



## G. Excerpts of Pacific Polymer Federation Newsletters

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## **Excerpts of Polymer Federation Newsletters**

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## Newsletter 1: Vogl's Presidency

### PACIFIC POLYMER FEDERATION NEWSLETTER No.1 October,1989

*Co-Editors: G.S. Ki'rshenbaum and K. Hatada Assistant Editor:  
J.C.Vogl*

Otto Vogl, (Polytechnic University, Brooklyn, NY, U.S.A.), **President**, Takeo Saegusa, (Kyoto University, Kyoto, Japan), **Vice President**, James H. O'Donnell, (University of Queensland, Brisbane, Australia), **Deputy Vice President**, Joseph C. Salamone, (University of Lowell, Lowell, MA, U.S.A.), **Secretary/Treasurer**

**Members of the Council:** Akihiro Abe (Tokyo, Japan), David J.T. Hill (Brisbane, Australia), Ramlee Karim (Kuala Lumpur, Malaysia), Chung Yup Kim (Seoul, Korea), Martin Navratil (Mississauga, Canada) Renyuan Qian (Beijing, China).

#### **President's Message: Otto Vogl**

THE PACIFIC POLYMER FEDERATION (PPF) was founded in October 1987 in Tokyo, Japan: it has now been in existence for two years. During this period the organization has started to function smoothly; several committees have been created; the most active committee initially was the Membership Committee which was responsible for the approach to and contact of potential new members for the organization.

During the last year, several polymer oriented organizations of the Pacific Basin have applied for membership in the PPF. At the Council Meeting in August of 1988 in Kyoto, Japan, the Macromolecular Science and Engineering Division, Chemical Institute of Canada; The Society of Polymer Science, Korea; the Polymer and Industrial Section, Malaysian Institute of Chemistry were admitted as new members. At the Council Meeting in Brisbane, Australia in February 1989, the Polymer Group, New Zealand Institute of Chemistry was admitted as a new member of the PPF. The Polymer Division, Chinese Chemical Society is now also a new member of PPF. The Polymer Society of Singapore and the Division of High Polymers, American Physical Society have also shown interest in joining PPF.

The most important activity of the PPF this year is the First Pacific Polymer Conference (PPC-1) which will be held at the Royal Lahaina Resort in Maui, Hawaii, December 12-15, 1989. It is the first Conference organized by PPF. The Conference Program will consist of 5 Key Note Speakers, 35 Invited Lecturers and 250 Contributed Papers, presented in Oral and Poster form. It is expected that about 500 scientists will participate in the Conference.

Maui, Hawaii was selected as the site of PPC-1 by the Council of PPF because of its geographical situation, its natural beauty and peaceful atmosphere. We believe these favorable conditions will promote the interaction of scientists, both industrial and academic, and will present the opportunity for them to meet with each other harmoniously, establish scientific cooperation and lasting friendships.

### **Member Organizations of PPF**

#### **Founding Members:**

The Society of Polymer Science, Japan;

The Division of Polymer Chemistry, American Chemical Society;

The Polymer Division, The Royal Australian Chemical Institute.

#### **Members:**

Macromolecular Science and Engineering Division, Chemical Institute of Canada;

The Society of Polymer Science, Korea;

Polymer and Industrial Section, Malaysian Institute of Chemistry;

The Polymer Group, New Zealand Institute of Chemistry;

Polymer Division, Chinese Chemical Society.

### **Committees of PPF**

**Membership:** J.H. O'Donnell, Chairman, T. Saegusa, Ramlee Karim

**Information:** G.S. Kirshenbaum, Chairman, K. Hatada, G.A. George, J.C. Vogl, T. Takahiko

**Publication:** B.C. Anderson, Y. Imanishi, Co-Chairmen, A. Logathetis, J.C. Vogl,

**Finance:** O. Vogl, Chairman, J. Nottke, Y. Furuyama.

**First Pacific Polymer Conference:** O. Vogl, Chairman, T. Saegusa, Vice-Chairman, J.H. O'Donnell, Vice-Chairman

**PPC-1 Organizing Committee:** J.C. Salamone, Chairman, A. Abe, D.J.T. Hill, B.C. Anderson, J.C. Vogl, S.C. Israel, A. Logathetis, J.C. Vogl, T. Takahiko.

The Pacific Polymer Federation gratefully acknowledges the generous **contributions** in support of the PPF of:

E.I. du Pont de Nemours & Co., Ford Motor Company, Exxon Chemical Company, Himont Incorporated, Merck & Co., Inc., BASF Corporation, Hoechst Celanese Research Division, The Proctor & Gamble Company, Rohm and Haas Company, Polaroid Corporation, The Dow Chemical Company, Allied Signal, PPG Industries, Inc., General Electric Company, Amoco Corporation,

International Business Machines

## **THE PACIFIC POLYMER FEDERATION**

The Constitution of the Pacific Polymer Federation was signed on October 19, 1987 in Tokyo, Japan at the International House in Roppongi, Tokyo by the Chairman of the Division of Polymer Chemistry, Inc. S.R. Eby, and the Chairman of the Foreign Affairs Committee, O. Vogl; by the President of the Society of Polymer Science Japan, M. Takayanagi; Chairman and Vice President for International Affairs, A. Abe. For the Polymer Division of the Royal Australian Institute of Chemistry, Chairman D.J.T. Hill and Chairman of the International Committee J.H. O'Donnell signed the Constitution.

PPF was created as an organization to advance and benefit polymer science and technology in the Pacific Basin; it has as its objectives to encourage and facilitate: i.)

Interaction between polymer organizations of the Pacific Basin; and ii.) Exchange of scientific knowledge, by participation in national meetings, and by visits of polymer scientists of the Pacific. The membership of PPF is open to all societies and associations of scientists and engineers which have at least part of their activities devoted to polymer science and/or technology.

The duly appointed Council met in the afternoon of October 19, 1987 in Tokyo for its so-called "zero" meeting. O. Vogl was elected the first President of PPF, T. Saegusa, Vice President, J.H. O'Donnell, Deputy Vice President and J.C. Salamone Secretary/Treasurer. The President was charged to set up PPF, and particularly, to organize the First Pacific Polymer Conference (PPC-1) in December 1989 in Maui, Hawaii.

It was very gratifying to see a regional organization involving the Polymer Scientists of the Pacific region come into being. Polymer Science is presently one of the fastest growing scientific and technological disciplines and the Pacific Basin is the fastest growing region scientifically, technologically and economically in the world today. It was only logical, that the organizations of the region found a mechanism of cooperation and also found a mechanism of facilitating the interaction of individual scientists. In the last year of interaction between the organizations and the Council members, representing the organizations, a great deal has been accomplished which promises that the original concept, the dream of a smoothly functioning regional cooperation in polymer science can be established.

The establishment of PPF had started with discussions of Saegusa, O'Donnell and Vogl at a meeting in Hawaii in December 1984; at that time the concept of a regional scientific organization was conceived. It was decided to explore with the parent organizations (which became the Founding Members) to determine if it were possible to devise a Constitution which could incorporate all the interests of the polymer oriented organizations of the Pacific Basin. Much of the individual writing was done prior to and during the U.S.-Japan Seminar in October 1985, and at the Annual Meeting of the Society of Polymer Science, Japan in May 1986, at which time all parties were present. In New York, in September 1987 and at the Annual Meeting of the Polymer Division of the Australian Institute of Chemistry in February 1987 the details of the Constitution and the subsequent understandings were worked out and final agreement to establish the Pacific Polymer Federation was reached. All these negotiations were done before the

benefits of Fax machines were available and much thought went into the preparation of the document. At the same time, the organizations and individuals involved in the negotiations had time to realize how important the development of PPF was for Polymer Science and for the interests of polymer oriented organizations and individuals of the Pacific region.

PPF has already become a healthy organization and I am convinced that it will grow during my term as President and during the term of my successors to an essential part of science and technology in the Pacific region.

### **Council Meetings**

The first Council Meeting of PPF was held in Kyoto on Saturday, July 31, 1988. It was attended by the 6 Councillors of PPF, Vogl, Saegusa, O'Donnell, Salamone, Hill and Abe. Also present were T. Takahiko and Jane C. Vogl representing the Business Offices of the SPSJ and the Division of Polymer Chemistry. At the meeting of the Council in Tokyo of 1987, which constituted the formation of PPF one of the most important tasks was to form a Federation truly representing the Pacific region. O'Donnell was appointed chairman of the Membership Committee. Key organizations in the Pacific region were contacted by O'Donnell and Vogl, an application form was designed and by the first Council meeting in Kyoto, 3 applications were on hand that could be handled by the Council. The Macromolecular Science and Engineering Division of the Chemical Institute of Canada, the Society of Polymer Science of Korea and the Malaysian Polymer Division were admitted and were invited to provide the Councillor for their admission date, January 1989.

During the Council Meeting other important decisions were made; an Information Committee, a Finance Committee, and a Publication Committee were established. The Information Committee was charged to prepare a Newsletter in early 1989, the Publication Committee to be responsible for the Pacific Polymer Preprints, the publication of the Maui Meeting. The President had started a fundraising campaign to support the operation of PPF and to have funds available for the preparation of the First Pacific Polymer Conference (PPC-1) in Maui.

The Secretary/Treasurer was made responsible for the incorporation of PPF and the establishment of an independent tax-free status of PPF, as PPF Inc.. As the Chairman of the Organizing Committee, he set in motion all the necessary activities in connection with

PPC-1 in Maui. Selection of the Hotel in Maui for PPC-1 was agreed on, as were the contract with the Hotel, the fee structure, time schedule and preparation of a First Circular; the effect of the First Flyer was discussed. Most of these responsibilities are in the hands of Jane C. Vogl, the Coordinator and Manager of the Maui Conference.

The second Meeting of the Council of the PPF was held near Brisbane, Queensland, Australia, February 35,1989. The time was selected after the Annual Meeting of the Polymer Division of the Royal Australian Institute of Chemistry at Griffith University in Brisbane. Present were Vogl, Saegusa, O'Donnell, Salamone, Abe, Hill and representing the new Members of the PPF, Karim from Malaysia, Edmonds from New Zealand and Chang (for Noh) from Korea. The most important decision of the Council Meeting was the admittance of China (based on an application by Qian Renyuan, the head of the Polymer Division of the Chinese Chemical Society into the PPF).

Much of the meeting was concerned with the organization of the Maui meeting: the arrangement of the Invited Speakers, nearly 150 contributed Papers and 100 Posters, and the Session Chairmen. It was considered essential, that the time schedule for the preparation of the meeting be rigorously followed. The Meeting will be held at the Royal Lahaina Resort in Maui and is expected to attract at least 400 participants. Vogl announced that Mrs. Glenn Ullyot (Barbara Hodsdon) was engaged to handle the registration in the U.S. for the Maui Meeting.

In addition it was agreed that some wording in the Constitution might have to be clarified and O'Donnell was charged to look into the matter. It was also found desirable to establish a separate committee with the responsibility to disseminate information of polymer activities, new development in polymer education etc. within the Pacific region.

Although the next formal Meeting of the Council of the PPF will be in Maui, December 1989, the President was authorized to call meetings that consist only of part of the Council members, when convenient, especially if it can be done in connection with an International meeting and in a country that has recently joined the PPF, June 1989 in Seoul, Korea and July 1990 in Montreal, Canada have been considered possible occasions.

MEET YOUR REPRESENTATIVES

**Otto Vogl**



Herman F. Mark Professor of Polymer Science, Polytechnic University

BORN: November 6, 1927 in Traiskirchen, Austria.

EDUCATION: University of Vienna, Ph.D. 1950. University of Jena, Dr. Sci., honoris causa 1983.

ACADEMY MEMBERSHIPS: Academy of Sciences of Austria, 1985; Academy of Sciences of the GDR, 1983.

POSITIONS HELD: instructor, University of Vienna, 1948-1953; Research Associate, University of Michigan, 1953-1955; Princeton University, 1955-1956; Research Chemist, E.I. du Pont de Nemours & Co., 1956-1970; Professor of Polymer Science and Engineering, University of Massachusetts, 1970-1982; Herman F. Mark Professor of Polymer Science, Polytechnic University, 1983-.

PROFESSIONAL ACTIVITIES: President, Pacific Polymer Federation 1987-; Chairman, Committee on Macromolecular Science, National Academy of Sciences, 1978-1982; Chairman, ACS Division of Polymer Chemistry, 1974, Chairman, Foreign Affairs Committee, 1974-; General Secretary, Macromolecular Secretariat, 1976; Chairman, Gordon Conference on Polymers, 1981.

HONORS: AIC Chemical Pioneer Award; ACS Award in Applied Polymer Chemistry; Distinguished Service Award, ACS Division of Polymer Chemistry; Alexander von Humboldt Prize; Senior Scientist Award, SPS Japan; Medal of Honor in Gold from the City of Vienna, Austria; Exner Medal, Austrian Trade Association; Mark Medal of the Austrian Plastics Institute; Medals of the City of Jassy, and various Universities.

EDITOR AND EDITORIAL BOARDS: Editor, Progress in Polymer Science, Editorial Boards of several scientific journals.

PUBLICATIONS: About 350 papers and about 40 U.S. and foreign patents, editor of 8 books.

RESEARCH INTERESTS: Polymer Synthesis and Characterization: Aldehyde polymerization, helical polymers and optical activity based on macromolecular asymmetry, configurational and conformational control in macromolecular synthesis, functional polymer and spacer effects in macromolecular structures.

## **Takeo Saegusa**

Professor, Kyoto University

BORN: October 18, 1927 in Senyan, China

EDUCATION: Kyoto University; Undergraduate, 1947-1950; Graduate, 1950-1955; Ph.D., 1956.

### POSITIONS HELD:

Kyoto University; Assistant Professor, 1957-1962; Associate Professor, 1962-1965; Full Professor (Department of Synthetic Chemistry) 1965-; University Council Member 1982-1984.

### PROFESSIONAL ACTIVITIES: IUPAC, Macromolecular

Division: Titular Member, 1979-; Vice President, 1981-1984; President, 1985-1989; Pacific Polymer Federation, Vice President, 1987-; The Society of Polymer Science, Japan; Vice President, 1980-1984; President, 1984-1986,

GOVERNMENT POSITION: Member of the Science Council, Japan (Appointed by the Prime Minister), 1985--

HONORS: Award of Society of Kinki Chemical Industries 1963. The G. Stafford Whitby Memorial Lecture, Akron, U.S.A. 1977. The Chemical Society of Japan Award, 1978. Toray Science and Technology Prize, 1979. Award of the Society of Polymer Science, Japan, 1989.

EDITOR AND EDITORIAL BOARD MEMBER: Polymer Bulletin, Editor; Editorial Board of several scientific journals.

PUBLICATIONS: about 450

RESEARCH INTERESTS: Polymer Synthesis: New polymerization reactions, new catalysts, functional polymers. Organic Synthesis: New synthetic reactions by metal complex catalysts.

## **James H. O'Donnell**

Professor of Physical Chemistry, University of Queensland, Brisbane

BORN: 1934 in Perth, Western Australia

EDUCATION: University of Western Australia BSc. 1954; University of Leeds; Ph.D. 1963, University of Leeds, DSc. 1986.

POSITIONS HELD: Development and Research Chemist, ICI Australia, 1955-58; Lecturer - Professor of Physical Chemistry, University of Queensland, 1964-;

PROFESSIONAL ACTIVITIES; Chairman, Polymer Division, Royal Australian Chemical Institute; Chairman, National Chemistry Week Committee, Royal Australian Chemical Institute; National President, Royal Australian Chemical Institute; Committee Member - New Materials Committee of the Australian Government; Deputy Vice President, Pacific Polymer Federation, 1987-;

EDITORIAL BOARDS: Member of the Editorial Advisory Board of a number of scientific journals.

HONORS: Battaerd Jordan Polymer Medal (RACI); H.G. Smith Medal; (RACI) Royal Society of Chemistry Lecturer in Australia.

RESEARCH INTERESTS: Mechanisms of free radical polymerization and copolymerization, solid state polymerization, NMR characterization of polymer and copolymer structure, ESR of radical reactions in polymers, and degradation of polymers by high energy radiation.

## **Joseph C. Salamone**

Professor of Chemistry and Distinguished Research Fellow, University of Lowell

BORN: 1939 in New York, NY U.S.A.

EDUCATION: Polytechnic Institute of Brooklyn, Ph.D. 1967; University of Liverpool, NIH Postdoctoral, Fellow, 1966-67; Horace H. Rackham Postdoctoral Fellow, University of Michigan, 1967-70.

POSITIONS HELD: Assistant Professor, 1970-72, Associate Professor, 1972-76, Professor of Chemistry, University of Lowell 1976-; Chairman, Department of Chemistry, 1975-78, Acting Dean, 1978-80; Dean, College of Pure & Applied Science, 1980-84, Distinguished Research Fellow 1984-; Co-founder and Director, Polymer Technology Corporation, Wilmington, MA 1971-83; Co-founder and President, Optimers Company, Lowell, MA, 1985-89; Co-founder and Director, Optimers, Inc., Lowell, MA, 1985 - present; Co-founder and Director, Rochal Industries, Inc., Boca Raton, FL, 1985 - present.

PROFESSIONAL ACTIVITIES: Secretary/Treasurer, Pacific Polymer Federation, 1987; Chairman, ACS Division of Polymer Chemistry, Inc., 1982; Treasurer, ACS Division of Polymer Chemistry, 1975-79.

HONORS: Distinguished Alumni Award, Polytechnic Institute of New York 1984, Distinguished Service Award, ACS Division of Polymer Chemistry, Medal of Kyoto University.

EDITORIAL BOARDS: of several scientific journals

PUBLICATIONS: 130 scientific articles and several U.S. and foreign patents.

RESEARCH INTERESTS: Synthesis and characterization of new monomers and polymers. Aqueous solution behavior of ionic and hydrophobic polymers. Mechanism of charge-transfer polymerization.

### **Akihiro Abe**

Professor, Tokyo Institute of Technology

BORN: March 9, 1934 in Shimane Prefecture, Japan.

EDUCATION: Graduated from Tokyo University 1958; Polytechnic Institute of Brooklyn, Ph.D. 1963.

POSITIONS HELD: Research Chemist, Showa Denko Company, 1958-1977; Research Associate, Stanford University, 1964-1965; Visiting Scholar, Stanford University, 1975; Associate Professor, Tokyo Institute of Technology, 1977-1981; Professor, Tokyo

Institute of Technology, 1981-; Visiting Scholar, Stanford University and IBM Research Laboratory, San Jose, 1982 and 1985.

PROFESSIONAL ACTIVITIES: Member, Chemical Society of Japan, 1960; American Chemical Society, 1980; Society of Polymer Science, Japan; 1959; Board of Directors for SPSJ, 1983-; Council Member, Pacific Polymer Federation, 1987-; IUPAC: Cooped Member, 1988-

HONORS: Award of the Society of Polymer Science, Japan, 1977; German-Japan Alexander von Humboldt Prize, 1989.

EDITOR AND EDITORIAL BOARDS: of several scientific journals

RESEARCH INTERESTS: Physical properties of polymers in relation to their spatial configuration.

### **David James Tunstall Hill**

Senior Lecturer, University of Queensland

BORN: December 31, 1938 in Manly, Brisbane, Australia.

EDUCATION: University of Queensland, BSc.1956-58; Honors

Degree (First Class),Physical Chemistry, 1959-1960; University of Queensland, Ph.D. 1965.

POSITIONS HELD: Postdoctoral Fellow, Indiana University, Indiana, U.S.A. 1965-1967; University of Queensland, 1967-; Visiting Professor, Cornell University, Ithaca, New York, USA 1975.

PROFESSIONAL ACTIVITIES: Member: Royal Australian Chemical Institute, Sigma Xi, New York Academy of Science, University of Queensland Chemical Society. RACI Queensland Branch Committee Member, 1982-1987; Polymer Group: Committee 1978-Secretary, 1981-1983, Chairman, 1984-1986, Treasurer, 1986-, RACI National Polymer Division Committee Member, 1982-, Secretary, 1986, Chairman Elect, 1987, Chairman, 1988; Pacific Polymer Federation Council, Member, 1988-.

PUBLICATIONS: Over 90 papers or chapters in books.

RESEARCH INTERESTS: Kinetics and mechanisms of polymerization reactions; effects of sequence distribution on polymer properties; radiation degradation of polymers, copolymers and blends; energy transfer in polymers, copolymers and blends.

**Chung Yup Kim**

Director, Korean Institute of Science and Technology

BORN:1937 in Ulsan, Korea

EDUCATION:Seoul National University, B. Eng., 1961, McGill University, Ph.D. 1971.

POSITIONS HELD: Research Scientist, National Industrial Research Institute, 1961-1966; Pulp and Paper Research Institute, Canada, 1970-1973; Professor of Polymer Science and Engineering, Inha University, 1973-1977, 1980-1981; Project Associate, Department of Chemistry, University of Wisconsin, 1977-1979; Principal Research Scientist, 1981-;

PROFESSIONAL ACTIVITIES: General Secretary, 1983-1984, Executive Manager 1985-1986, Member of the Board, 1987-, Society of Polymer Science, Korea; Member, American Chemical Society, 1966-; Member, Society of Polymer Science, Japan, 1982-;

EDITOR: Progress in Chemistry and Chemical Industry, Korean Chemical Society, 1976-

PUBLICATIONS: 30 scientific articles and about 50 reports on research projects

RESEARCH INTERESTS: Electrically conducting polymers, polymer blends and interfaces, polymer crystallization, carbon fibers and their precursors.

**Martin Navratil**

Vice-President R & D, Reichhold Ltd.

BORN: 1945 in Prague, Czechoslovakia

EDUCATION: Technical University Prague, Dipl. Eng. 1968; McGill University Montreal, Canada, Ph.D. 1973.

POSITIONS HELD: Research Chemist, Canadian Technical Tape 1973-1977, Manager; Research and Development, Borden Chemical (Canada) 1977-1985; Technical Director, Reichhold Limited 1985-1986; Vice-President, Research and Development, Reichhold Limited 1986-Present.

PROFESSIONAL ACTIVITIES: Vice-Chairman, Macromolecular Science and Engineering Division, Canadian Chemical Society; Canadian Chemical Producers' Association, R&D Committee; Conference Board of Canada, Council for the Management of Innovation and Technology; Chartered Chemist, Ontario Association of Professional Chemists.

PUBLICATIONS: 12 scientific articles and 5 patents.

RESEARCH INTERESTS: Thermosetting adhesives, formaldehyde based polymers, unsaturated polyesters and composites, polymers for coatings.

### **Ramlee Karim**

Manager, Petroleum Research Institute

BORN: March 18, 1945 in Melaka, Malaysia

POSITIONS HELD: Head of Chemistry Department, National University of Malaysia 1972-1975; Process Engineer, Esso Refinery, Malaysia; Project Engineer, Pernas Engineering, Malaysia 1974-1975; General Manager, Asean Chemical Fertilizer 1975-1980; Director/General Manager, Malaysia International Consultants 1980-1982; Plant Manager, National Petroleum Company 1982-1989.

PROFESSIONAL ACTIVITIES: Council Member, Pacific Polymer Federation; Council Member, Malaysian Institution of Chemical Engineers; Council Member and Fellow, Institution of Engineers, Malaysia; Council Member and Fellow, Malaysian Institute of Chemistry; Member, Advisory Council for Chemical Engineering at University of Technology, National University, MARA Institute of Technology; Fellow, Institution of Chemical Engineers, U.K.; Fellow, Institute of Petroleum, U.K.; Fellow, Institution of

Plant Engineers, U.K.; Fellow, British Institute of Management; Registration Chartered Engineer, U.K.II Professional Engineer, Malaysia; Registered Chemist, Malaysia.

PUBLICATIONS: About 80 technical papers

PROFESSIONAL INTERESTS: Management of plants and refineries

### **FIRST PACIFIC POLYMER CONFERENCE (PPF)-1**

**The Royal Lahaina Resort Maui, Hawaii, December 12-15, 1989**

*Symposium Topics: Polymer Synthesis: New Procedures, Synthetic Methods; Polymer Characterization, Characterization Methods, Structure/Property Relationships; High Performance Polymers: Polyimides, PEEK Type Polymers, Fibers, New Materials, Fluorocarbon Polymers and Silicones; Functional Polymers: Polymer Reactions, Polymer Properties; Solutions, Gels, Networks, Electro and Optically Active Polymers, Polymer Liquid Crystals: New Materials and Procedures, Structure/Property Relationships; Theory of Polymer Structures, Bio-Related Polymers: Natural Polymers, New Biomaterials, Biodegradable Polymers*



## Newsletter 2: Vogl's Presidency

**PACIFIC POLYMER FEDERATION NEWSLETTER No. 2** October, 1991

*Co-Editors: G.S. Ki'rshenbaum and K. Hatada Assistant Editor: J.C. Vogl*

Otto Vogl, (Polytechnic University, Brooklyn, NY, U.S.A.), **President**, Takeo Saegusa, (Kyoto University, Kyoto, Japan), **Vice President**, James H. O'Donnell, (University of Queensland, Brisbane, Australia), **Deputy Vice President**, Joseph C. Salamone, (University of Lowell, Lowell, MA, U.S.A.), **Secretary/Treasurer**

**Members of the Council:** Akihiro Abe (Tokyo, Japan), David J.T. Hill (Brisbane, Australia), Ramlee Karim (Kuala Lumpur, Malaysia), Chung Yup Kim (Seoul, Korea), Martin Navratil (Mississauga, Canada) Renyuan Qian (Beijing, P.R. China)

### **President's Message: Otto Vogl**

For almost 3 years I have had the honor of presiding over the activities of the Pacific Polymer Federation (PPF), an organization that coordinates and integrates the common interests of polymer oriented organizations of the Pacific Basin. PPF has grown from the original 3 Founding Member Organizations to 10 Member organizations. The last four organizations which became members of the PPF were the Polymer Division of the Chinese Chemical Society, the Polymer Group of the New Zealand Institute of Chemistry, the Singapore Plastics and Rubber Institute and the American Physical Society. Much of this rapid build-up of our membership is due to the activities of our Membership Committee, initially chaired by James H. O'Donnell and now by Chung Yup Kim.

The Council is now assisted by a number of Committees to handle the various needs of the PPF. The main function of the Information Committee chaired by G.S. Kirshenbaum, is to keep abreast of the activities of the member organizations of PPF and to collect information about other polymer related activities in the Pacific and other parts of the world. The Committee produced the First Pacific Polymer Newsletter in the Fall of 1989 and this Second Pacific Polymer Newsletter. The Publication Committee under Burton C. Anderson and Y. Imanishi produced the First Pacific Polymer Preprints. The first book

sponsored by the PPF based on the First Pacific Polymer Conference: "Progress in Pacific Polymer Science" will be published by Springer Verlag.

A By-Laws Committee was created with Ramlee Karim as the Chairman, a Conference Committee under Kenneth Wynne and an Awards Committee with James H. O'Donnell as the Chairman were established.

Two Council Meetings were held during the last year, the official Council Meeting in Maui, at PPC-1 in December 1989 and a well attended additional Council Meeting in Montreal in July 1990. In addition, several Mini-Council Meetings were held in Strasbourg, Oxford and twice in Vienna to check on all the activities of the PPF, especially the details of the preparations for the two Pacific Polymer Conferences.

Our next Council Meeting will be in Nagoya, Japan on October 20, 1990. This will be the last official activity of PPF under my tenure as president. The Presidency will pass to Takeo Saegusa, who will officially become President on January 1, 1991.

The most important activity of PPF was PPC-1 in Maui, December 1989.

In addition, PPF was co-sponsor of the Tutorial on "Advances of Chemical Synthesis," with the ACS Division of Polymer Chemistry, Inc. at the Miami ACS Meeting in September 1989.

For over 3 years, it has been a great pleasure for me to work with all the Officers, Council Members, Committee Members, as well as with the leadership of the Member Organizations of the PPF and many other colleagues of the Pacific Basin interested in polymer science. I am indebted to all of them for their cooperation, their many useful suggestions and helpful advice. One person has not been recognized in the past and I would like to recognize him now; Earl Tyner Esq., the attorney who checked the Constitution of PPF while it was drafted and gave his legal consent-all free of charge.

Otto Vogl, President

#### MEMBER ORGANIZATIONS OF PPF

##### **Founding Members:**

The Society of Polymer Science, Japan

The Division of Polymer Chemistry Inc., American Chemical Society

The Polymer Division, The Royal Australian Chemical Institute

**Members:**

Macromolecular Science and Engineering Division, Chemical Institute of Canada

The Society of Polymer Science, Korea

Polymer and Industrial Section, Malaysian Institute of Chemistry

The Polymer Group, New Zealand Institute of Chemistry

Polymer Division, Chinese Chemical Society

Singapore Plastics and Rubber Institute

American Physical Society

**Committees**

**Membership:** C.Y. Kim, Chairman; T. Saegusa, R. Karim

**Information:** G.S. Kirshenbaum, Chairman; K. Hatada, G.A. George, J.C. Vogl, T. Takahiko

**Publication:** B.C. Anderson, Y. Imanishi, Co-Chairmen; A. Logathetis, J.C. Vogl

**Finance:** J. Nottke, Chairman; O. Vogl, Y. Furuyama

**By-Laws:** R. Karim, Chairman; D.J.T. Hill

**Awards:** J.H. O'Donnell, Chairman; M. Navratil

**Conferences:** K. Wynne, Chairman; J.C. Salamone

**Second Pacific Polymer Conference:** T. Saegusa, Chairman, J.H. O'Donnell, J.C. Salamone, Vice Chairmen

## **First Pacific Polymer Conference**

The First Pacific Polymer Conference (PPC-1) was held in Maui, Hawaii from December 12 to 15, 1989. The Conference Committee consisted of O.Vogl, Chairman; T. Saegusa and J.H. O'Donnell, Vice Chairmen; it was organized by the Organizing Committee, J.C. Salamone, Chairman, with A. Abe, D.J.T. Hill, B.C. Anderson, S.C. Israel, J.C. Vogl and T. Takahiko as Committee Members. Jane C. Vogl was the Conference Manager and Barbara Hodsdon-Ullyot was the Conference Coordinator. PPC-1 was attended by 401 participants and 101 accompanying guests; 19 countries were represented. They came from over 100 Universities and colleges and from over 100 different companies.

PPC-1 was held at the Royal Lahaina Resort in Maui, Hawaii. It consisted of 5 key note addresses: two by the Nobel laureates of Chemistry in 1981: Kenichi Fukui, Institute of Fundamental Chemistry, Kyoto, Japan, and Roald Hoffman, Cornell University, Ithaca, NY, U.S.A.; and by Alexander MacLachlan, Senior Vice President, Technology, of the E.I. du Pont de Nemours & Co., Wilmington, DE U.S.A.; Burton Christensen, Senior Vice President, Merck, Sharpe and Dohme & Co., Rahway, NJ U.S.A.; and Y. Ito, Chairman of the Board of the Toray Co., Tokyo, Japan. The after dinner address was given by Norman Hackerman, the former President of Rice University, and Director of Research of the Welch Foundation in Houston, Texas. There were 35 invited and 120 Contributed Papers; 125 papers were presented in poster form.

The Conference covered the following topics: *Polymer Synthesis*: New Procedures, Synthetic Methods; *Polymer Characterization*: Characterization Methods, Structure/Property Relationships; *High Performance Polymers*: Polyimides, PEEK Type Polymers, New Materials, Fluorocarbon Polymers and Silicones; *Functional Polymers*: Polymer Reactions, Polymer Properties; *Solutions, Gels, Networks*; *Electroand Optically Active Polymers*; *Polymer Liquid Crystals*: New Materials and Procedures, Structure/Property Relationships; *Theory of Polymer Structures*: Bio-Related Polymers: Natural Polymers, New Biomaterials, Biodegradable Polymers.

One of the highlights of PPC-1 was the panel discussion on "Polymer Science and the Arts" (actually art restoration), with O. Vogl as the organizer and H. Hoecker as the Moderator. The discussions included Ceramics, Old Masters, Oriental Screens and Frescoes of the Silk Road in China, European Cathedrals and the preservation of ancient ships. The panel discussion was very successful and was covered by the Maui

Newspaper in great detail. The Committee concluded that a panel discussion on "Polymer Science and the Arts" should be included in subsequent Pacific Polymer Conferences.

The social events of the FPPC consisted of a Welcoming Party, a Banquet and a Farewell Party. The location of the meeting on Maui, in the Kaanapali Beach Resort Complex, allowed excellent interaction between the participants on a scientific and social basis and was considered a great success. The Pacific Polymer Preprints will become the first of a series; we expect that they will be abstracted by Chemical Abstracts. A book based on the keynote addresses and invited lectures as well as the transcripts of the panel discussion is being prepared "camera-ready" by the co-editors B.C. Anderson and Y. Imanishi; it will be published by Springer Verlag.

PPC-1 received excellent press coverage; two articles were written in Chemical and Engineering News, the official Journal of the American Chemical Society; reports were also written in the Newsletter of the ACS Division of Polymer Chemistry Inc., the home organization of PPC-1; in the Newsletter of the Australian Polymer Division, in the Newsletter of the Canadian Macromolecular Science and Engineering Division, and Kobunshi, the official journal of the Society of Polymer Science, Japan. In Polymer News, there was also an extensive article about the PPC-1.

Shortly after PPC-1 was concluded, planning began for the Second Pacific Polymer Conference (PPC-2) which will be held from November 26 to 29, 1991 in Shiga, Japan. In several Mini-Council Meetings, i.e., in Vienna and at the Council Meeting in Montreal, plans were outlined for PPC-2. The Third Pacific Polymer Conference (PPC-3) is considered for 1993 on the Gold Coast of Australia.

### **Council Meetings**

The third official meeting of the Council of the Pacific Polymer Federation was held in Maui, Hawaii on Saturday, December 16, 1989. It was attended by all 9 Councillors of PPF: Vogl, Saegusa, O'Donnell, Salamone, Abe, Hill, Kim, Karim and Navratil. Since January 1, 1990 the Polymer Division of the Chinese Chemical Society is also represented on the Council. F. Xi, the Deputy Director of the Institute of Chemistry in Beijing, represented the designated Council Member, R.Y. Qian, at the meeting.

Other people attending the meeting were: P. Adams from Singapore, S.C. Israel, the Chairman of the ACS Division of Polymer Chemistry, Inc., and E. Rizzardo, the

Chairman of the Australian Polymer Division, T. Takahiko, the general secretary of the SPSJ, and J.C. Vogl, Secretary to the President, Assistant Treasurer.

Of particular importance was the receipt of applications of three potential new member organizations. Two of the applicants were accepted as new members: the Singapore Plastics and Rubber Institute and the American Physical Society were admitted as new members of PPF. The application of the Plastics Institute of Vietnam was tabled with the understanding that, if the application of the Vietnamese group is pursued, it will be reconsidered as soon as we have some first hand knowledge of polymer science of Vietnam.

Much of the discussion at the Council Meeting centered on the analysis of the PPC-1 in Maui and the early planning for the PPC-2.

The Newsletter, the First Pacific Newsletter, prepared by G.S. Kirshenbaum, K. Hatada and J.C. Vogl with 8 pages was found very attractive. It was concluded that the style of the Newsletter should be retained in this form for future issues.

A By-Laws Committee was established to continue to examine the wording of the Constitution of PPF and to determine the necessity of additions or deletions when found necessary.

The establishment of a Conference Committee to consider assisting with or holding smaller meetings such as Workshops on special topics in polymer science, in addition to the PPF Conferences (PPC's), was proposed and approved. A possible Workshop in New Zealand was suggested. The Committee will also be asked to look into considering co-sponsorship of meetings in the Pacific Region under the PPF name. The first co-sponsored meeting was a tutorial Symposium of the ACS Division of Polymer Chemistry, Inc., in Miami, September 1989, entitled "Advances in Chemical Synthesis".

The creation of another Committee was proposed and approved by the Council; an Awards Committee. The purpose of a PPF Award would be to recognize outstanding contributions in polymer science and in International cooperation in polymer science in the Pacific Region.

The Secretary/Treasurer reported that the incorporation for the PPF in the U.S.A. has been accomplished and an independent tax-free status has been established for the PPF.Inc., in the U.S.A.

Another meeting of the Council of the PPF was held at the Le Grand Hotel in Montreal on July 8,1990. It was attended by 9 Councillors: Vogl, Saegusa, Salamone, George (officially representing O'Connell), Abe, Hill, C.Y. Kim, Navratil and Qian.

The most important business was the further planning for the Second Pacific Polymer Conference (PPC-2). PPC-2 will be held in Shiga at the Otsu Prince Hotel from November 26 to 29, 1991. The Conference fee was approved as \$300 or Y 45,000. The important Committees for the PPC-2 were approved: Organizing, Scientific Advisory and Local Organizing Committee. The Topics and the Schedule for the meeting were also approved. The principle of the Plenary and Invited Lectures was approved. It was also agreed that the Preprints will be a continuation of the Preprints of the PPC-1, but the decision of whether or not to publish the "Proceedings" of the PPC-2 in book form has not been reached.

Considerable time was spent discussing the first report of the Awards Committee. It appears that a PPF Award will be established but it will not be in effect until PPC-3. Some time is needed for obtaining a concensus from the member organizations, because there are different practices involved in establishing and administering awards.

Time was also spent in discussing the publication of the book: "Progress in Pacific Polymer Science". It appears that everything is on schedule, with the normal "terminal" problems associated with the publication of a camera-ready book.

We were also informed in some detail as to the general situation in China by the Councillor, R.Y. Qian. It appears that at this time a smaller meeting, perhaps in the form of a Workhop sponsored or co-sponsored by the PPF is the most feasible interaction with our Chinese colleagues.

We also had some comments from M. Raetzch, Dresden, as to the situation in Eastern Europe, and from A.C. Albertsson of Sweden, representing the European community.

The next official Council Meeting will be in Nagoya, Japan, on October 20, 1990, following the Annual Symposium of the SPSJ. Since many of our Councillors will be in

Melbourne, Australia next year, another Council meeting has been tentatively planned for February 9, 1991, in Melbourne.

## MEET YOUR REPRESENTATIVES

### **Renyuan Qian**

Professor, Academia Sinica

BORN: September 19, 1917

EDUCATION: Zhejiang University, B.S. 1939; University of Wisconsin, Madison, WI, U.S.A., Ph.D. 1947

POSITIONS HELD: Associate Professor, Xiamen University, 1948-49; Zhejiang University, 1949-51; Professor, Institute of Physical Chemistry, Academia Sinica, 1051-53; Institute of Organic Chemistry, Academia Sinica, 1953-56; Institute of Chemistry, Academia Sinica, 1956-present: Deputy Director, 1977-81; Director, 1981-85

PROFESSIONAL ACTIVITIES: Chinese Chemical Society: President, 1982-86; Polymer Division, Chairman, 1986-90, Chemistry Division, Academia Sinica, Member 1980-; Fellow, American Institute of Chemists, IUPAC Macromolecular Division, Associate Member, 1985-89; Phi Lambda Upsilon, Sigma Xi, U.S.A.

HONORS: Science Premium, Academia Sinica; Advanced Individual Award, Academia Sinica; Natural Science Award, Academia Sinica; Science Award, National Science Congress; State Invention Award; SINOPEC Science and Technology Progress Award; State Natural Science Award; State Science and Technology Progress Award.

PUBLICATIONS: Over 190 Papers; 2 Books; 2 Patents; over 30 Review Articles and Book Chapters.

RESEARCH INTERESTS: Polymer Characterization; Processing-Structure-Property Relationship of Polymers; Polymer Solution Properties and Condensed State; Conducting Polymers; Electrical and Photoconductivity in Organic Solids.



## **Neil Edmonds**

Senior Lecturer, Auckland Institute of Technology

BORN: May 13, 1947 in Tekuiti, New Zealand

EDUCATION: University of Auckland; BSc., MSc. 1972

POSITIONS HELD: Research Chemist, ICI Melborne 1971-1973; A.C. Hatrick (NZ) 1973-1975; Lecturer, Auckland Institute of Technology 1975-1983; Senior Lecturer 1984-

PROFESSIONAL ACTIVITIES: Polymer Group, New Zealand Institute of Chemistry; Chairman; New Zealand Institute of Chemistry, Member Committee, Auckland Branch; Committee, OCCA (NZ) Inc.; Convenor, NZCS Prescription Review Committee.

PUBLICATIONS: Supervisor, about 25 New Zealand Diploma Research Projects.

PROFESSIONAL INTERESTS: Synthetic Resins; Polymers for Coatings and Adhesives; Instrumental Techniques.

## **Burton C. Anderson**

Associate Director, Advanced Materials, E.I. du Pont de Nemours and Co.,

PPF PUBLICATION COMMITTEE, Chairman

BORN: October 8, 1930 in Kewanee, Illinois

EDUCATION: University of Illinois, A.B. 1952, M.I.T, Ph.D. 1955

POSITIONS HELD: E.I. du Pont de Nemours and Co.: Central Research Department, Research Chemist, 1955-1966; Elastomer Chemicals Department, 1967-1974; Division Head, Development Superintendent; Central Research and Development Department: Associate Director 1974-1979, Director, Polymer Science 1979-1981; Finishes and Fabricated Products Department: Assistant Director 1981-1985, Technical Director 1985-1989; Central Research and Development Department: Associate Director and Manager of Corporate Polymer Development 1989-

PROFESSIONAL ACTIVITIES: ACS Division of Polymer Chemistry: Executive Committee, Member-at-Large 1988-; Gordon Conference - Polymers: Chairman 1982; IUPAC, U.S. National Representatives 1984-87; National Bureau of Standards Evaluation Panel for Materials Science, 1983.

PUBLICATIONS: 15 U.S. Patents and over 20 Publications and a Number of Reviews

EDITORIAL BOARD: Macromolecules

RESEARCH INTERESTS: Synthesis, Characterization and Reactions of Polymers; Unusual Polymer Structures; Anionic Polymerization; Coordination Polymerization; Group Transfer Polymerization; Fluorine Containing Monomers and Polymers; Polymerization under Extreme Pressures; Chemistry of Organic Coatings

### **Gerald S. Kirshenbaum**

Manager Engineering Plastics Division Hoechst Celanese Corporation

PPF INFORMATION COMMITTEE, Chairman Co-editor Pacific Polymer Federation Newsletter

BORN: December 6, 1944 in New York City

EDUCATION: Case Institute of Technology, B.S. 1966; Brooklyn Polytechnic Institute, M.S. 1970; Ph.D. 1971

POSITIONS HELD: Research Chemist, Celanese Plastics Company, 1971-73; Sr. Chemist, Soltex, 1973-75; Sr. Chemist, Union Carbide, 1975-77; Hoechst Celanese Corporation, 1977-Sr. Research Chemist, Development Associate, Supervisor, Manager

PROFESSIONAL ACTIVITIES: ACS Division of Polymer Chemistry: Assistant Secretary, Editor Newsletter; ACS North Jersey Section: Secretary, Polymer Group; Pacific Polymer Federation, Co-Editor Newsletter

PROFESSIONAL INTERESTS: High Performance Polymers, Polyacetals, Polyolefins, Polyesters, Regulatory Affairs (FDA, UL), Packaging, Recycling, Thermal Stability and Flammability of Polymers

EDITOR: Polymer News

**Koichi Hatada**

Professor of Chemistry, Osaka University, Co-editor Pacific Polymer Federation Newsletter

BORN: December 5, 1934 in Osaka, Japan

EDUCATION: Osaka University, B.Sc. 1957; M.Sc. 1960; D.Sc. 1965

POSITIONS HELD: Daicel Co., Research Chemist, 1957-1964; Osaka University: Assistant Professor 1964-1967, Associate Professor 1967-1983, Professor 1983-

PROFESSIONAL ACTIVITIES: Chemical Society of Japan; American Chemical Society; Society of Polymer Science, Japan, Chairman, Kansai Section; IUPAC Commission on Macromolecular Nomenclature: Associate Member 1988-1990, Titular Member 1990-

EDITORIAL BOARDS: Several Scientific Journals

PUBLICATIONS: About 250 Papers

RESEARCH INTEREST: Mechanism of Polymerization Reaction, Synthesis of Polymers with Controlled Structure, Characterization of Polymers and Oligomers by NMR Spectroscopy

**ACS Division of Polymer Chemistry: 15th BIENNIAL SYMPOSIUM ADVANCES IN NEW MATERIALS Fort Lauderdale, FL Nov. 17-21, 1990**

This symposium will focus on new innovative chemistries in emerging polymer science fields. Invited papers and contributed poster sessions will include topics on high performance polymers, optical properties of polymers, polymers for electronic applications, electronically conductive polymers and new polymeric materials. Chair: Joseph C. Salamone.

**POLYMER '91, IUPAC INTERNATIONAL SYMPOSIUM**, 10-15 February, 1991, Melbourne, Australia

**POLYMER MATERIALS: PREPARATION, CHARACTERIZATION AND PROPERTIES"** 50 *International Review Lectures* by Invited Lecturers from 16 countries. Contributed Papers and Posters on all aspects of Polymer Materials.

*Workshops:* 1. "NMR of Polymers". 2. "Applications of Fourier Transform Infrared Spectroscopy". 3. "Thermal Analysis of Polymers". *IUPAC Seminar: "Future Directions in Polymer Science and Technology: The International View" '*

*DITA(-)RACI Seminar: "Future Directions in Polymer Science and Technology in Australia" Further Information from: POLYMER 91 Secretariat, Dept. of Chemistry, University of Queensland QLD 4072, Australia.*

### **POLYMER TECHNOLOGY CONFERENCE**

in honor of the 40th Anniversary of the founding of the Division of Polymer Chemistry, Inc. Wyndham Franklin Plaza, Philadelphia, PA **June 3-5, 1991**

Topical Areas: -Solvent Free Chemistry and Technology -100% Solids Coatings

-Water Born Coatings, -Melt Processing, -Enhancement of Polymer Properties Through Mechanical and Chemical Means, -High Performance Polymers, -Recyclable Polymers, - Polymers for Designed Applications, -Applications of Polymers for Biological Systems, - Barrier Polymers and Constructions, -Polymers for Hostile Environments.

General Chairman, J.C. Salamone. Co-Chairmen: N.G. Gaylord, B.C. Anderson, J.E. McGrath.

## Newsletter 3: Saegusa's Presidency

**PACIFIC POLYMER FEDERATION NEWSLETTER No. 3 November 1, 1991**

*Co-Editors: K. Hatada and G.S. Kirshenbaum*

*Assistant Editor: T. Takahiko*

Takeo Saegusa, (KRI International, Kyoto, Japan), **President**, James H. O'Donnell, (University of Queensland, Brisbane, Australia), **Vice President**, Joseph C. Salamone, (University of Lowell, Lowell, MA, U.S.A.), **Deputy Vice President**, Akihiro Abe, Tokyo Institute of Technology, Tokyo, Japan), **Secretary/Treasurer**

**Members of the Council:** Basil D. Fabis, Montréal, Canada), David J.T. Hill (Brisbane, Australia), Ramlee Karim (Kuala Lumpur, Malaysia), Chung Yup Kim (Seoul, Korea), James E. McGrath (Blacksburg, VA, USA), Renyuan Qian (Beijing, P.R. China)

### **President's Message: Takeo Saegusa**

The world is getting smaller and smaller. The interaction among scientists in various countries is being intensified. Polymers are becoming more and more important as commodity materials as well as advanced ones possessing specific functions and high performances. Under these circumstances, the Pacific Polymer Federation (PPF) signifies much to provide a forum for polymer scientists in the Pacific Basin. PPF was founded in October 1987, and the First Pacific Polymer Conference was held with a big success in Maui, Hawaii, U. S. A., in 1989.

The quintessence of conference in general is to hold the so-called 'face to face' discussion. The benefit of the exchange of ideas is to stimulate the front lobe of scientists. Researches on polymer science are indispensable for the development of advanced technologies. From the view point of the interdisciplinary character of polymer science, there is no doubt that mutual interactions of scientists

having different scientific backgrounds in different countries contribute greatly to its progress. In addition, science and industrial technology in the field of polymer are close to each other.

Corporation between scientists in academic institutions and those in industrial laboratories is essential.

As the President of the Pacific Polymer Federation, I do wish further development of the interaction among polymer scientists in the Pacific Basin.

## MEET YOUR REPRESENTATIVES

### **Takeo Saegusa**

Executive Vice President, KRI International Inc.

EDUCATION: Kyoto University; Undergraduate, 1947-1950; Graduate, 1950-1955; Ph.D. 1956.

POSITIONS HELD: Kyoto University; Assistant Professor, 1957-1962; Associate Professor, 1962-1965; Full Professor (Department of Synthetic Chemistry) 1965-1991; University Council Member 1982-1984. KRI International; Executive Vice President

RESEARCH INTERESTS: Polymer Synthesis: New polymerization reactions, new catalysts, functional polymers. Organic Synthesis: New synthetic reactions by metal complex catalysts.

### **James H. O'Donnell**

Professor, The University of Queensland

EDUCATION: University of Western Australia; Undergraduate, 1952-1955, University of Leeds, UK; Graduate, 1960-1962; Ph.D. 1963.

POSITIONS HELD: ICI Australia; Research Officer, 1956-1959; Brooklyn Polytechnic Institute, USA; Post Doctoral Fellow, 1963; The University of Queensland; Lecturer, 1964-1969; Senior Lecturer, 1979-1975; Reader, 1976-1985; Personal Professor, 1986 - 1987; Professor of Physical Chemistry, 1988 -.

RESEARCH INTERESTS: Mechanisms of free radical polymerization and co-polymerization; Effects of high energy and UV radiation on polymers; ESR of radical intermediates in polymer systems

### **Joseph C. Salamone**

Professor Emeritus, University of Massachusetts, Lowell

EDUCATION: B.S. Chemistry, 1961, Hofstra University; Ph.D. Chemistry, 1967, Polytechnic University; Postdoctoral Fellow, 1966-1967, University of Liverpool, Liverpool, England; Horace H. Rackham Postdoctoral Fellow, 1967-1970, University of Michigan.

POSITIONS HELD: University of Massachusetts, Lowell, Assistant Professor, 1970-72; Associate Professor, 1972-76; Professor, 1976-88; Chairman, Department of Chemistry, 1975-78; Dean, College of Pure & Applied Science, 1978-84; Distinguished Research Fellow, 1984-88; Professor Emeritus, 1988 present.

RESEARCH INTERESTS: Preparation of new monomers and polymers, particularly ionic systems of varying hydrophilic-hydrophobic character; properties of rigid rod, anisotropic polymers. Solution properties of polyampholytes.

### **Akihiro Abe**

Professor, Tokyo Institute of Technology

EDUCATION: Tokyo University: Undergraduate 1958; Polytechnic Institute of Brooklyn: Graduate 1963, Ph.D. 1963.

POSITIONS HELD: Showa Denko Ltd., Research, Chemist 1958-1977; Tokyo Institute of Technology, Associate Professor 1977-1981: Professor 1981--.

RESEARCH INTERESTS: Physical Properties of Polymers in Relation to Their Spatial Configuration.

### **David J. T. Hill**

Reader, The University of Queensland

EDUCATION: The University of Queensland; Undergraduate, 1956-60; Graduate 1961-64; Ph.D. 1965

POSITIONS HELD: Indiana University; Postdoctoral Fellow, 1965-67; The University of Queensland, Department of Chemistry, Senior Tutor, 1967-83; Senior Lecturer, 1984-90; Reader, 1991.

RESEARCH INTERESTS: Polymerization kinetics and mechanisms; high energy radiation chemistry of polymers ( $\gamma$ , e-beam, UV); polymers with biomedical applications.

**Ramlee B Karim**

Manager, Petroleum Research Institute, Kuala Lumpur, Malaysia

EDUCATION: Birmingham University, UK. B.Sc. 1968, Ph.D. 1971

POSITIONS HELD: Head of Department/Lecturer, National University 1972-1973, Process Engineer, Esso Refinery 1974, Project Engineer, Pernas Engineering 1974-1975 General Manager, Asean Fertilizer 1975-1980, General Manager, Minconsult 1980-1982, Manager, Petronas 1982 -

RESEARCH INTERESTS: Heat Transfer

**Chung Yup Kim**

Director, Division of Polymer Science and Engineering, Korea Institute of Technology

EDUCATION: B.S.: Seoul National University, Korea; Chemical

Engineering, 1956-1961; M.S.: Seoul National University, Korea; Industrial Organic Chemistry, 1963-1966; Ph.D. McGill University, Montreal, Canada; Polymer Physical Chemistry, 1966-1970

POSITIONS HELD: 1989 -:Director, Division of Polymer Science and Engineering, Korea Institute of Technology; 1981-1989: Head, Polymer Materials Laboratory, Korea Applied Institute of Technology;

1980-1981: Professor, Inha University, Korea

RESEARCH INTERESTS: Electrical Conducting Polymers, Polymer Electrolytes, Polymer Crystallization, PET



## **James E. McGrath**

Ethyl Chaired Professor of Chemistry and Director, NSF Science and Technology Center:  
High Performance Polymeric Adhesives and Composites

EDUCATION: B.S. Chemistry, 1956, St. Bernadine of. Siena College; M.S. Chemistry,  
1964, University of Akron; Ph. D. Polymer Science, 1967, University of Akron

POSITIONS HELD: Rayonier, Inc., 1956-1959; Goodyear Tire & Rubber Co., 1959-  
1965; Akron University 1965-1967; Union Carbide Corporation, 1967-1975; Director,  
Materials Institute, 1987-1989.

RESEARCH INTERESTS: Novel polymer synthesis; Mechanism and Kinetics of  
Polymerization reactions; Siloxane modified thermoplastics and thermosets; Fluorine-  
and phosphorus containing polymers; Poly(amide)s and Poly(aramide)s; Liquid  
crystalline polymers; small particle generation for powder

## **Renyuan Qian**

Professor, institute of Chemistry, Academia Sinica

EDUCATION: B.S. Zhejiang University, 1939; Postgraduate Studies,

University of Wisconsin, 1944-47

POSITIONS HELD: Associate Professor, Zhejiang University, 1949-51; Professor,  
Academia Sinica, 1951-; Director, Institute of Chemistry, Academia Sinica, 1981-85;  
President, Chinese Chemical

Society, 1982-86; Chairman, Polymer Division, Chinese Chemical Society, 1986-93

RESEARCH INTERESTS: Polymer characterization; Processing-structure-property  
interrelations of polymers; Polymer solution properties; Macromolecular condensed state;  
Conducting polymers; Conduction and photo-conduction inorganic solids

## **Philip Adams**

Regional Manager, UFE Inc., *Representative of Singapore*

EDUCATION: B.Sc .Polytechnic Southbank, London, 1972; M.Sc. University of Manchester 1974; Ph.D. University of Manchester 1975.

POSITIONS HELD: Chairman, Plastics and Rubber Institute, Singapore 1979 - 1991: Plastics Consultant, GE (USA) Asia 1977 - 85: Technical Manager, Dexter Asia Pacific 1986 - 89: General Manager, Nycosa (Singapore) 1989 - 90. Fellow Plastics and Rubber Institute, Fellow Royal Society of Chemistry, Fellow Singapore National Institute of Chemistry, Senior Member Society of Plastics Engineers.

RESEARCH INTERESTS: Mechanical behavior and processing of plastics and composites.

**Neil R. Edmonds**

Principal Lecturer Auckland Institute of Technology

*Representative of New Zealand*

EDUCATION: University of Auckland 1966- 1; M.Sc., 1972 ICI Melbourne

POSITIONS HELD: AC Hatricks (NZ) Ltd. Principal Lecturer, Auckland Institute of Technology

RESEARCH INTERESTS: Synthetic Resins, Coatings & Adhesives Instrumental Techniques

**Yukio Imanishi**

Professor, Kyoto University

*Publication Committee*

EDUCATION: Kyoto University; Undergraduate, 1953-1957; Graduate, 1957-1961; Ph. D., 1965.

POSITIONS HELD: Kyoto University; Assistant Professor, 1961-1971; Associate Professor, 1971 -1978; Professor of Chemistry (Department of Polymer Chemistry) 1978

-.

RESEARCH INTERESTS: Polymer Synthesis; Polymer Reactions; Functional Polymers; Biofunctional Materials; Biomedical Materials; Protein Engineering; Membrane-Active Peptides.

**Anestis L. Logothetis**

Research Scientist, Du Pont

*Publication Committee*

EDUCATION: Grinnel College, Undergraduate 1952-1955; Graduate 1955-1958; Ph.D. 1958 in Organic Chemistry

POSITIONS HELD: Du Pont; Research Chemist, 1958 -1972; Research Supervisor, 1972-1976; Research Manager, 1976-1983; Research Fellow, 1983 to present.

RESEARCH INTERESTS: Polymer Synthesis:

Fluoropolymers, fluoroelastomers, crosslinking and curing of elastomers, high performance composites.

**Council Meetings**

The official meeting of the Council of the PPF was held at the Nagoya Tokyu Hotel in Nagoya, Japan, on October 20, 1990. It was attended by seven Councilors of PPF: Saegusa, O'Donnell, Salamone, Abe, Karim Kim, Vogl, the past President of PPF and four observers: Seko (Korea), Hatada, Fujii and Takahiko (Japan)

The activities of Publication Committee (B. C. Anderson and Y. Imanishi) were reported by Vogl. He stated that the book "Progress in Pacific Polymer Science" would be coming out in a timely manner. It was agreed to ask Anderson, coeditor of the book, to contact member representatives of PPF and request that they publish advertisement of the book in their respective periodicals.

C.Y. Kim reported Membership Committee's effort to contact with polymer oriented organizations 'in Thailand, Taiwan and Indonesia. Although new memberships have not

been established, the policy of membership of PPF was discussed among council members in this occasion.

The preparation and distribution of Newsletter of the PPF, the main activity of Information Committee, was discussed. The first Newsletter was reprinted (1,000 copies) to be distributed also at the IUPAC Symposium in Singapore.

Saegusa presented the blue flyer, announcing the details of the next major PPF conference, the Second PPC to be held in Shiga at the Otsu Prince Hotel from November 26 to 29, 1991. It was agreed that the Honorary Advisory Committee have the following names added: S. Okamura, Y. Ito, T Tsuruta, R. Ottenbrite, E. Pearce, D. H. Napper, and I. Cho. Publication of the Proceedings was also discussed. It will be in the form of Book "Progress in Pacific Polymer Science - Proceedings of the Second Pacific Polymer Conference" by Springer-Verlag.

The date of PPC-3, planned to be held in Australia was discussed and the Council agreed to have O'Donnell arrange the hotel on the Gold Coast or December 1993. The Sequence of up-coming major PPC, the fourth and the fifth, was also discussed.

Many discussions were made on the importance and possibility of the smaller PPF sponsored meetings. China and New Zealand were suggested for the meeting places.

Finally, Saegusa expressed thanks to Vogl who will be the first past president after Saegusa succeeds the chair.

An informal Meeting of the PPF Council was held in Melbourne, Australia on February 13, 1991 in conjunction with the IUPAC International Symposium, POLYMER 91, on "Polymer Materials: Preparation, Characterization and Properties". The Meeting was chaired by the Vice-President, Professor O'Donnell, in the absence of the President, Professor Saegusa.

The main purpose of this Meeting was for the representatives from the member countries of PPF to discuss the state of development of various PPF activities. In particular, the possible arrangements for the 3rd Pacific Polymer Conference to be held in Australia in December 1993 were discussed. The desirability of attracting students to future PPC was considered.

The next official Council Meeting will be in Otsu, Japan, on November 25, 1991, on the occasion of the PPC-2.

*Pacific Polymer Federation Member Organizations*

*Division of Polymer Science, Inc., American Chemical Society*

Chairman: Raphael M. Ottenbrite

Number of Individual Members 8,200

*Polymer Division of Royal Australian Chemical Institute*

Chairman: Grant Ferguson

Number of Individual Members 400

*Macromolecular Science and Engineering, Division of the Chemical Institute of Canada*

Chairman: Basil D. Favis

Number of individual Members 350

*Polymer Division of, Chinese Chemical Society*

President: Renyuan Qian

Number of Members: 2,500

*The Society of Polymer Science, Japan*

President: Itaru Mita

Number of Individual Members 11,700

*The Polymer Society of Korea*

President: Iwhan Cho

Number of individual Members 3,200

*Polymer and Industrial Section, Malaysian Institute of Chemistry*

President: Ong Soon-Hock Augustine

Number of individual Members: 80

*Polymer Group, New Zealand Institute of Chemistry*

Chairman: Neil Edmonds

Number of Members: 120

*Singapore Plastics and Rubber Institute*

Chairman: Philip Adams

Number of individual Members: = 250

## Newsletter 4: Saegusa's Presidency

**PACIFIC POLYMER FEDERATION NEWSLETTER No. 4, December, 1992**

*Co-Editors: K. Hatada and G.S. Kirshenbaum*

*Assistant Editor: T. Takahiko*

Takeo Saegusa, (KRI International, Kyoto, Japan), **President**, James H. O'Donnell, (University of Queensland, Brisbane, Australia), **Vice President**, Joseph C. Salamone, (University of Lowell, Lowell, MA, U.S.A.), **Deputy Vice President**, Akihiro Abe, Tokyo Institute of Technology, Tokyo, Japan), **Secretary/Treasurer**

**Members of the Council:** Basil D. Fabis, (Montréal, Canada), David J.T. Hill (Brisbane, Australia), Ramlee B. Karim (Kuala Lumpur, Malaysia), Chung Yup Kim (Seoul, Korea), James E. McGrath (Blacksburg, VA, USA), Renyuan Qian (Beijing, P.R. China)

### **President's Message: Takeo Saegusa**

Polymer science has been expanding its scope and deepening its interests. Polymer industry increases its importance as an indispensable basis in supporting modern life. Pacific Polymer Federation (PPF) has been growing as a forum for exchange of polymer science and technologies in the Pacific Basin.

The prime function of PPF is to organize 'Pacific Polymer Conferences' (PPC) in sequence of every two years. In November of last year, the second PPC was held in Otsu, a town on a shore of Lake Biwa, Japan, very successfully with 378 participants from 20 countries. The proceedings book, 'Proceedings of Pacific Polymer Science, Vol. 2', was published 6 months later by the effort of Prof. Y. Imanishi, which has been a valuable addition of the library of world polymer science.

Malaysia 92 (PPS Malaysia 92)', which was organized by

Dr. Ramlee Karim, a Council Member of PPF. It was held in Kuala Lumpur, November 17-18, in the framework of the Malaysian Silver Jubilee Chemical Congress.

Although PPS Malavsia was of a character of a local meeting, quite a number of polymer scientists of Southeast Asian countries participated in it, which resulted in a big success fitting the aim of PPF.

In this coming year of 1993, '3rd PPC' is to be organized by our Australian colleagues in December 13 - 17 in the Gold Coast, Australia.

Another function of PPF is to cultivate the society-to-society interactions among different countries with various cultural backgrounds. We can find a similitude in composite materials, blends of different elements of materials, in which unique properties are generated when the interaction at the interface between heterogeneous phases is adequately strengthened. PPF assumes a role of reinforcing the interactions among the societies of polymer science in the Pacific Basin.

in the two years of 1991 and 1992, I have had a great honor and responsibility of the presidency of PPF. It has been a big pleasure for me to work for PPF with colleagues. At the end of my term, I wish to express my sincere thanks to the Council Members, Committee Members as well as the executive officers of the Member Societies. I look forward to meeting many Pacific polymer scientists in sunny summer of December 1993 in the Gold Coast.

Takeo Saegusa, President of PPF

## **MINUTES OF THE COUNCIL MEETING**

***Orsu Prince Hotel, Otsu, Japan, November 25, 1991. Part 1: 14:00-17:00***

Present were: T. Saegusa, J. H. O'Donnell, J. C. Salamone, A. Abe, D. J. T. Hill, R. Karim, C. Y. Kim, R. Quin, R. Prud'homme (for B. D. Favis), and eleven observers: G. A. George, S. H. Goh, K. Hatada, M. Hertel, H. Hu, Y. Imanishi, S. J. Israel, T. Ogawa, P. J. Pomery, J. C. Vogl, O. Vogl, T. Takahiko.

*Welcoming Remarks, T. Saegusa, President:* The meeting was called to order at 14:10 pm and Saegusa welcomed all those present. He mentioned that both sessions 1 and 2 were planned in an open style, and if any topics which require special discussions came up, we would be ready to have a closed session as well.

*Introduction of the Members:* Each attendant was asked to give a brief selfintroduction.



*Subjects Discussed:*

- a.) Approval of the Nagoya Minutes. The minutes were approved as presented. An abstract of the Minutes was reported in the latest Newsletter.
- b.) Confirmation of the PPF Organization. A list of the current PPF Councilors and Representatives of the member societies were distributed and confirmed.
- c.) Publication Report. Hertel made a comment on the first edition of 'Progress in Pacific Polymer Science'. Springer printed 300 copies. The sales would have been better if the manuscripts were obtained much earlier. Imanishi explained the present status of the second edition. All invited lecturers should submit the manuscript at the conference site. The manuscripts collected will be sent to the Springer office by the end of February, 1992.

*Committee Reports.*

- a.) Membership. The chairman of the Committee, Kim read his report on the recent activities. Kim had made contact with two Vietnamese scientists, Profs. V. L. Dang and H. Ly Pham. They expressed their interests in joining PPF, but no detailed informations were submitted. Saegusa concluded that we should wait until someone from Vietnam attends the PPF Council Meeting to explain their desire. Prud'homme pointed out that we should send PPF Newsletters to the candidate countries such as Vietnam.

Kim mentioned his recent correspondence with A. T. Hu, Vice-President of Industrial Technology Institute (ITRI), Taiwan. Saegusa raised a question regarding the mutual relation between ITRI and the Chemical Society of Taiwan. Kim promised to clarify the point. Kim reported that Thailand would join the PPF after the polymer association of Thailand will be founded in a few years. Nothing to report on Indonesia.

- b.) By-Laws. Karim reported there have been no problems requiring revisions on the constitution.
- c.) Awards. O'Donnell reported that there have been no activities in the committee.
- d.) Information: Hatada explained the content of the latest Newsletter (issued in November 1991).

e.) Small Conferences. Hill was appointed for the new chairman of the Committee. Karim explained a plan of the International Conference sponsored by the National Society (September - October, 1992: Kuala Lumpur, Malaysia), and asked a possibility of obtaining the co-sponsorship from the PPF. The final decision will be made by Hill and Saegusa after some written application documents are submitted.

Goh also asked the co-sponsorship for an International Meeting scheduled in Republic of Singapore in 1993. The action will be taken through Hill's Committee.

A letter from New Zealand was read. Edmonds asked the PPF President to recommend speakers for their International Meeting. Hill will look into this matter.

Hertel (Springer Verlag) added that advertisement of small meetings may be accepted in Polymer Bulletin (Springer).

f.) Future Council Meetings: After some discussions, the council agreed to have the next formal meeting in Malaysia in 1992. Karim will make arrangements for the meeting in conjunction with their International Conference scheduled in September-November of next year.

g.) Others. Ogawa explained the size and activities of the Polymer Society of Mexico, and expressed their interest in joining the PPF. Saegusa asked Kim to take close contact with Ogawa (Mexico).

Saegusa reported approximate numbers of attendants from the individual member countries at the second PPC in Otsu.

Meeting was adjourned to resume at 17:00.

Part 2 17:00-21:00

Present were: T. Saegusa, J.H. O'Donnell, J.C. Salamone, A. Abe, D.J.T. Hill, Ramlee B. Karim, C.Y. Kim, R. Quin, R. Prud'homme (for B. D. Favis), S.J. Israel, (for J.E. McGrath),

Twelve observers: G.A. George, S.H. Goh, K. Hatada, M. Hertel, H. Hu, Y. Imanishi, J.E. Nottke, T. Ogawa, P.J. Pomery, J.C. Vogl, O. Vogl, T. Takahiko.

### **I. The Third PPC 'Australia' (PPC-3).**

President Saegusa asked O'Donnell to explain the scope of the third PPC currently in preparation. The outline of the plan approved by the Council is as follows:

Date: December 13-17, 1993

Site: Hotel Conrad, Gold Coast, Queensland, Australia (1 40AU\$ = 109US\$). Number of Expected Participants: 400+100 (150 domestic). Registration Fee: 400AU\$ = 312US\$  
Conference Style: Multitopic

Distribution of Invited Lecturers (Proposed tentatively). USA (10), Japan (10), Australia (5), Korea (5), Canada (5), China (2+2), Malaysia (1), Singapore (1), New Zealand (1), and 5 Key Note Lectures.

*Schedule:* The each member society should submit their recommendation of Invited Lecturer(s) to O'Donnell by January 15, 1992.

First Circular: March 1992; Second Circular, March 1993, Abstract, June 1, 1993.  
Registration September 1, 1993

*Publication:* "Progress in Pacific Polymer Science" 3rd edition will be published from Springer-Verlag. Hertel agreed. Contributed papers (up to 15) may be included in the book by recommendation of the PPC scientific committee. All IL's should be strongly advised to submit 10 page manuscript at the conference site.

### **II The Fourth PPC "USA" (PPC-4).**

Salamone and Israel proposed a plan for the PPC-4:

Date: December 1995, (one week preceding the Pacific Chem Meeting)

*Site:* An island in Hawaii other than Oahu and Maui

*Approved by the Council:*.

Dinner was served during the Council Meeting. The session was adjourned at 21:00..

### **The Second Pacific Polymer Conference: PPC-2**

The Second Pacific Polymer Conference organized by the Society of Polymer Science, Japan was held at the Otsu Prince Hotel in Otsu, Shiga, Japan from November 26 to 29, 1991. The Chairman of Organizing Committee was T. Saegusa and the CoChairmen J. C. Salamone and J. H. O'Donnell. The Scientific Program Committee with 13 members was chaired by Y. Imanishi, and the Local Committee with 21 members by K. Hatada.

The Conference consisted of five keynote lectures, 34 invited main lectures and 228 contributed papers, including 70 posters. A special session was held on *Polymer Science and the Arts*. The conference was attended by 378 participants from 20 countries including Japan (250), the US (46), Korea (35), China (15), Australia (12), and other countries.

The Opening Ceremony was held in the morning of November 26. It began with the opening address by T. Saegusa, the President of PPF, after the short enjoyment of 'Koto' music performance. The addresses were also given by I. Mita, the President of the Society of Polymer Science, Japan, W. H. Daly, the Representative of the Division of Polymer Chemistry, the American Chemical Society, and J. H. O'Donnell, the Representative of Polymer Division of Royal Australian Chemical Institute.

The keynote lectures were of general nature and had as a special flavor the development of polymer science in the industrial world. The first keynote lecture was presented by Motowo Takayanagi, Professor Emeritus of Kyushu University, from Kyushu Sangyo University, Fukuoka, Japan and was entitled 'Microcomposite Formation of p-Aramid with Inorganic Glass and Conductive Poly-mers'. David H. Solomon, The University of Melbourne, Australia described "Recent Developments in Free Radical Polymerization". 'Changing demands on the R & D Organization in an Inter-national Cooperation' was discussed by J.P. Riggs from Hoechst Celanese Corp. (U.S.A.). Yotaro Nishida, Senior Managing Director of Ube Industries, Tokyo, Japan, presented his talk on the 'Key Issues for Japan's Chemical Industries Toward the 21st Century'. "The Next 30 Years - Will it Fulfill Our Expectations ?" was presented by Robert M. Nowak, Vice President and Director of Corporated Research of the Dow Chemical Company, Midland, Michigan.

The invited lectures and contributed papers were organized in six sessions. The invited speakers in each session were as follows.

(1) *Polymer Synthesis and Reaction*; W. Heitz (F.R.G.), T. Otsu (Japan), B.E. Smart (U. S.A.), S. Nakahama (Japan), H.R. Allcock (U.S.A.), R.G. Davidson (Australia), and P.J. Pomery (Australia):

(2) *Polymer Characterization*; L.A. Belfiori (U.S.A.), R.E. Prud'homme (Canada), T. Nishi (Japan), Z.H. Stachurski (Australia), and K. Hikichi (Japan).

(3) *Structure Property Relationship*: T. Hashimoto (Japan), G.C. Berry (U. S.A.), I. Noda (Japan), and R. Cheng (China):

(4) *High Performance Polymers*; T. Inoue (Japan), T. Okada (Japan), J.-I. Jin (Korea), M. Jiang (China), and R.P. Burford (Australia):

(5) *Functional Polymers*; R.H. Baughman (U. S. A.), M. Soga (Japan), D.Y. Yoon (U.S.A.), M. Isogai (Japan), and D.N. Schulz (U.S.A.):

(6) *Bio-Related Polymers*; Y. Sakurai (Japan), G.F. Meijs (Australia), D.A. Tirrell (U. S.A.), J. Sunamoto (Japan), W.H. Daly (U.S.A.), and Y.H. Kim (Korea).

Following the successful panel discussion in Maui at the first PPC in 1989, a special session was reserved for *Polymer Science and the Arts*. While the first one focussed on art restoration, the session at Otsu was the place to discuss the interaction of science and technology with human sensibility (*Kansei in Japanese*). Five lectures were presented as follows: Seizo Okamura, a Professor Emeritus of Kyoto University, Japan discussed "The New Trend of Polymer Science and Technology for Humanity". Elizabeth McCullough (invited), Kansas State University discussed "Liquid Barriers and Thermal Comfort Properties of Surgical Gowns". Toshimitsu Musha (invited), Tokyo institute of Technology, presented his work on "Fluctuations, Disorder and Beauty". Miyoshi Okamoto from Toray industries, Inc. Otsu, Japan described "Polymer Materials which Appeal to Kansei (sensibility)". Shinji Yamaguchi of Kuraray Co., Ltd. described "Learning Through Nature for the Creation of New Textile Fabrics". *Polymer Science and the Arts* was an interesting session and the description of beauty and music by Dr. Musha, a contributor outside polymer society, was especially very exciting.

The proceedings of PPC-2, "Progress in Pacific Polymer Science 2" edited by Y. Imanishi was published, from Springer-Verlag (1992), which includes 5 key note lectures and 27 invited lectures.

PPC-2 in Otsu began with a preconference tour which brought some of the participants by chartered bus to Matsushita Electric Company Ltd., Osaka, and to Toray Industries Inc., Otsu. On Monday, November 25, a Welcoming Reception was held at the Otsu Prince Hotel in the style of a traditional opening reception of an international conference organized by the Society of Polymer Science, Japan. It gave the participants of PPC-2 the opportunity to meet and to get acquainted with each other. On Wednesday, November 27, the official Conference Banquet was held at the Otsu Prince Hotel.

The organizers had planned for excursions on November 28 to the Hikone Castle and the Saimyoji Temple, which are among the national treasures of Japan. The Sayonara Party at the Otsu Prince Hotel provided a fitting conclusion for PPC-2

## MEET YOUR REPRESENTATIVES

### **Basil D. Favis**

Professor, Ecole Polytechnique de Montréal

EDUCATION: McGill University, Undergraduate, 1976; McGill University, Ph.D. Polymer Physical Chemistry, 1981.

POSITIONS HELD: Research Associate, National Research Council of Canada, 1981-1983; Group Leader, Johnson and Johnson Inc., 1983-1985; Program Manager, National Research Council of Canada, 1985-1990; Professor, Ecole Polytechnique de Montréal, 1990 - present.

RESEARCH INTERESTS: Processing-Morphology Properties Relationships in Immiscible Polymer Blends; Reactive Processing; Interfacial Modification in Polymer Blends.

### **Koichi Hatada**

Professor of Chemistry, Osaka University

EDUCATION: Osaka University, B.Sc. 1957; M.Sc. 1960; D.Sc. 1965

POSITIONS HELD: Research Chemist, Daicel Co., 1957 -

1964; Osaka University: Assistant Professor 1964-1967, Associate Professor 1967-1983, Professor 1983 --

RESEARCH INTERESTS: Mechanism of Polymerization Reaction, Synthesis of Polymers with Controlled Structure, Characterization of Polymers and Oligomers by NMR Spectroscopy.

**Gerald S. Kirshenbaum**

Manager, Hoechst Celanese Corporation

EDUCATION: Case Institute of Technology, B.S. 1966; Brooklyn Polytechnic Institute, M.S. 1970; Ph.D. 1971.

POSITIONS HELD: Research Chemist, Celanese Plastics Company, 1971-73; Sr.Chemist, Soltex, 1973-75; Sr. Chemist, Union Carbide, 1975-77; Hoechst Celanese Corporation, 1977 --, Sr. Research Chemist, Development Associate, Supervisor, Regulatory Affairs, Manager, Product Stewardship.

RESEARCH INTERESTS: Health and Safety Issues of Polymeric Materials, High Performance Polymers, Polyacetals, Polyesters, LCP'S, End-use Regulatory Issues (FDA, UL, etc.), Packaging, Flammability, Thermal Stability, Recycling.

MEETING CALENDAR

3rd International Forum on New Aspects of Nonlinear Optics and Optical Processings

March 10-12, 1993 Otsu, Japan

Japan international Symposium on Advanced infrared Spectroscopy

Development and Application of Time-Resolved and Two Dimensional Infrared Spectroscopy

March 23-25, 1993 Tokyo, Japan

ACS Meeting, Denver, CO U.S.A.

March 28-April 2, 1993

International Forum on Polyurethane

May 10-13, 1993 Nagoya, Japan

IUPAC-Workshop on Safety in Chemical Production

May 31-June 4, 1993 Yokohama, Japan

2nd International Symposium on Bioorganic Chemistry

June 6 - 10, 1993 Fukuoka, Japan

International Conference on Synthetic Metals

July 25-29, 1993 Seoul, Korea

34th IUPAC Congress

August 5-20, 1993 Beijing, China

ACS Meeting

August 22-27, 1993 Chicago, IL U.S.A.

Joint Symposium on Polymer Gels and Networks (SPGN)

August 31-September 3, 1993 Tsukuba, Japan

International Conference on Computer-Assisted Materials Design and Process Simulation

September 6-9, 1993 Tokyo, Japan

International Symposium on Polymers (POLYMEX-93)

November 1-5, 1993 Quintana Roo, Mexico

International Symposium on Polymers for Microelectronics (PME'93)

November 15-19, 1993 Kanagawa, Japan



Asia Pacific Workshop on Intelligent Materials "The Role of Polymers

December 6-8,1993 South Coast, Australia

**3rd Pacific Polymer Conference (PPC-3), 13-17, December 1993, Gold Coast, Australia**

*Organized by the Polymer Division of The Royal Australian Chemical Institute for the Pacific Polymer Federation*

The 3rd Pacific Polymer Conference will be held at the Hotel Conrad (Hilton) on the Gold Coast, near Brisbane, in South-East Queensland, Australia from 13 - 17 December 1993.

Contributions from all areas of polymer chemistry, physics, materials, technology and engineering, including fundamental and applied aspects will be welcome in the program.

42 Eminent polymer scientists from the member societies of the Pacific Polymer Federation have been invited to present Invited Lectures on a wide range of topics.

*CALL FOR PAPERS* Contributions of papers as oral presentations or posters for the program of the conference in any area of polymers are now being sought. The time allowed for oral presentations will be a total of 20 minutes, including introduction and 5 minutes for discussion.

To contribute a paper as an oral presentation or poster: submit the Title on the Preliminary Registration Form before 1 st June 1993.

Contributions may be either research reports or reviews. There will be a limit of one oral presentation per participant. The PPC-3 Secretariat reserves the right to schedule contributions of oral papers as posters if necessary.

*Language:* The official language of the Conference will be English. Translation facilities will not be available.

*Registration Fees*

The Registration Fees for participants include entry to all scientific sessions, morning and afternoon tea/coffee, lunch on Monday and Friday, the Preprints and Program books, the Receptions on Monday and Tuesday evening, and the Conference

Banquet. Participant: AU D \$465; 1 AU D \$ = US \$0.75

*DEADLINES*

Titles of Papers: June, 1, 1993; Abstracts of Papers: September 1, 1993; Registration: September 1, 1993

## Newsletter 5: Salamone's Presidency

### PACIFIC POLYMER FEDERATION NEWSLETTER No. 5 December, 1995

*Co-Editors: James E. McGrath and Laurie S. Good*

*Assistant Editor: Joyce Moser*

Joseph C. Salamone (University of Lowell, Lowell, MA, USA) **President**, Chung Yup Kim (Korea Institute of Science and Technology, Seoul, Korea) **Vice President**, James E. McGrath (Virginia Institute of Technology and State University, Blacksburg, VA, USA) **Secretary/Treasurer**

**Members of the Council:** Akihiro Abe (Japan), Kazuyuki Horie (Japan), David J. T. Hill (Australia), Graeme George (Australia), Chung Yup Kim (Korea), Sung Chul Kim (Korea), Fosong Wang (China), Yu-Der Lee (Taiwan, China), Supawan Tantayanon (Thailand), Noer Surdia (Indonesia), Almeria Natansohn (Canada), Dang Van Luyen (Vietnam), Jeffrey T. Koberstein (U.S.A.), Chee-Chong Ho (Malaysia), Neil Edmonds (New Zealand), Hardy Chan (Singapore), Takeshi Ogawa (Mexico).

#### **President's Message: Joseph C. Salamone**

In October, 1987 the Pacific Polymer Federation was created at a meeting in Tokyo, Japan. The three Founding Organizations were the Polymer Division of the Royal Australian Chemical Institute, The Society of Polymer Science, Japan, and The Division of Polymer Chemistry, Inc., of the American Chemical Society. The first President of the Federation was Otto Vogl of the United States ACS Division of Polymer Chemistry; the second was Professor Takeo Saegusa of Japan; and the third was James H. O'Donnell of Australia. Unfortunately, the PPF and polymer science worldwide suffered a great loss this year with the death of our friend and colleague, J.H. O'Donnell.

As part of the vision of the three founding persons working in conjunction with the Membership Committee of the PPF Council and the Council as a whole, membership in the PPF has risen dramatically to include a total of fifteen polymer oriented societies in the Pacific. In addition to the three founding societies, PPF membership now includes The Macromolecular Science and Engineering Division of the Chemical Institute of Canada; The Polymer Division of the Chinese Chemical Society; The Indonesian

Polymer Association; The Polymer Society of Korea; The Polymer and Industrial Section of the Institute of Chemistry of Malaysia; Division of Polymers and Organic Materials, Mexican Academy of Materials Sciences; The Polymer Group of the New Zealand Institute of Chemistry; The Plastics and Rubber Institute of Singapore; The Polymer Society of Taipei, Taiwan, Republic of China; The Polymer Society of Thailand; Division of High Polymer Physics, The American Physical Society USA; and Division of Polymer Science, Chemical Society of Vietnam.

This year the PPF has organized the Fourth Pacific Polymer Conference in Kauai, Hawaii, December 12-16, 1995. The large program includes plenary lectures of J.A. Miller of the USA, T. Tachi of Japan, and Y. S. Kim of Korea in conjunction with approximately 592 oral papers and posters.

Indeed, since its inception the PPF has shown tremendous growth and vitality. The organization looks forward to continued and improved interaction of all polymer oriented scientists and engineers in the Pacific region.

#### **Fourth Pacific Polymer Conference (PPC-4)**

The Fourth Pacific Polymer Conference was held on December 12-16, 1995 in Kauai, Hawaii. The location of the meeting was the Hyatt Regency Resort which overlooks the beautiful blue Pacific Ocean. The ambiance was wonderful and set the tone for the outstanding scientific program that was held.

There were almost 600 papers presented, which is a record number for the Confederation. The meeting was based around 12 major symposium topics in polymer chemistry, which included: *Adhesion Science: Surfaces and Interfaces, Enhancement of Polymer Properties, Biorelated Polymers, Emulsion, Suspension and Dispersion Polymerizations, Mechanical Behavior of Polymer Blends, Membrane Technology, New Polymer Synthesis, Olefin and Diolefin Catalysis, Polymer Degradation and Stabilization, Polymers for advanced Optical applications, Water-Borne Coatings, Multifunctional and Smart Materials*. These symposia were organized by the outstanding polymer scientists in these specific areas of research. In addition, there were *Poster Sessions and General Oral Papers* presented.

The meeting was opened on Tuesday afternoon, December 12, with remarks by the President of PPF, Joseph C. Salamone. His remarks were followed by Otto Vogl, who

introduced Joseph A. Miller, Executive Senior Vice President of DuPont USA, the first of three plenary speakers, who spoke on "Polymers for the Twenty First Century-An Industrial Perspective" He was followed by Tadasu Tachi of Japan who discussed "My Life at Kaneka Corporation". The final plenary speaker, Youn Sik Kim, reported on "The Prospects of Polymer Industries in Korea". The session convened to a grand welcoming social in the verdant tropical gardens.

Six concurrent symposia sessions were held on the mornings of Wednesday through Saturday. In addition, on Wednesday and Friday afternoons six concurrent oral sessions were organized on general topics which included areas related to the symposia. The poster sessions were conducted on Wednesday and Friday evenings, during which time refreshments were served, making the program a wonderful scientific event with a pleasant social atmosphere.

On Thursday evening a delicious Luau was held as the banquet ceremony The dinner included native foods and entertainment, which was greatly enjoyed by all the attendants. In addition to this wonderful evening, other events such as tours of the beautiful island of Kauai were enjoyed by the conferees, including Discover Kauai and Alluring Hanalei. The program ended on Saturday after the morning session of scientific meetings. *(Contributed by Ray Ottenbrite)*

### **Fifth Pacific Polymer Conference (PPC-5)**

**October 26-30,1997, Kyongju, Korea**

*Organized by the Polymer Society of Korea for the Pacific Polymer Federation*

#### *Invitation*

The Organizing Committee is pleased to invite all individuals who are interested in the most recent progress in polymer science and engineering to participate in the 5th Pacific Polymer Conference.-the Conference will take place on October 26-30,1997 at Hotel Hyundai in Kyongju, Korea. We believe the Conference will give you an opportunity to share and discuss ideas and perspectives on polymer research and development.

*Organizing Committee:* Chairman: Chung Yup Kim, *Program Committee:* Chairman: Jin Chu, Jung, *Secretariat:* Sung Chul Kim

*Scientific Sessions: 1. Polymer Synthesis and Reactions, Novel Synthesis and Reactions, Polymerization Catalysts; 2. Polymer Blends and High Performance Polymers, Polymer Blends, Polymer Composites, Liquid Crystalline Polymers, 3. Functional Polymers: Membranes, Polymers for Electronics/Photonics; 4. Biorelated Polymers: Biodegradable Polymers, Biomedical Polymers, 5. Physical Polymer Science, Polymer Solutions and Gels, Polymer Surfaces and Interfaces, Structure-Properties of Polymers; 6. Modification of Commercial Polymers*

*Venue: Hotel Kyondai*

Kyongju was the capital of the ancient Shilla Dynas which had lasted for 1,000 years (57 B.C.-935 A.D.). A the center of that golden period in Korean culture Kyongju has many royal tombs, pagodas, statures temples and other historical ruins which all bear wit ness to the grandeur of the Shilia culture.

### **Pacific Polymer Federation**

The Pacific Polymer Federation (PPF) was founded in 1987 to encourage and facilitate interactions between polymer organizations involving the Pacific. Current members are associations of Australia, Canada, China, Indonesia, Japan, Korea, Malaysia, Mexico, New Zealand, Singapore, Taiwan, Thailand, Vietnam, and the United States. Since its foundation, four conferences were successfully held in Maui, USA (1989), Otsu, Japan (1991), Gold Coast, Australia (1993), and Kauai, USA (1995). The next conference (PPC-5) will be held in Kyongju, Korea, 1997.

## **Newsletter 6: Kim's Presidency**

**PACIFIC POLYMER FEDERATION NEWSLETTER No. 6 August, 1996**

*Editor: Sung Chul Kim*

Chung Yup Kim, **President** (Korea Institute of Science and Technology, Seoul, Korea),  
Fosong Wang, **Vice President** (Chinese Academy of Sciences, Beijing, China), Sung  
Chul Kim, **Secretary/Treasurer** (Korea Advanced Institute of Science and  
Technology, Taejeon, Korea)

### **Members of the Council**

A. Abe, H. Chan, W.H. Daly, N. Edmonds, G.A. George, C.C. Ho, K. Horie, M. Jiang, J.  
Koberstein, Y. Lee, Dang V. Luyen, J. E. McGrath, T. Ogawa, E. Rizzardo, M. Sugandi-  
Ratulangi, M. Suwalsky, S. Tantayanon, K.C. Tin, F. Winnik

### **President's Message: Chung Yup Kim**

Polymers are vital materials in the present society by being applied to numerous areas, creating jobs and requiring research in science and technology. The Pacific Polymer Federation (PPF) has demonstrated through the activities since its foundation in 1987 that the Federation fits the polymer community in the Pacific Basin. The Federation has grown from the three Foundation Member Organizations to 17 Member Organizations and held four Conferences (PPC's). There were more than 700 presentations at the last Conference in Kauai in December, 1995. PPF already moved to the second stage in progress. The presidency has shifted from the founding member associations to the non-founding member association. There are only a few polymer associations in the Pacific Basin which have not joined the Federation.

The direction of the activities of the Federation has been laid down through the Conferences and Council Meetings. Much efforts will be put on promoting scientific activities among the scientists and engineers in the Federation by exchanging research personnels and students

As the president of the Pacific Polymer Federation, I wish all the individuals successes in their fields.

**MINUTES OF THE COUNCIL MEETING, December 14, 1995**

## **Hyatt Regency Hotel, Kauai, Hawaii**

**Attendees:** D.J.T. Hill, G.A. George, N. Surdia, Dang van Luyen, S.H. Goh, Yu Der Lee, F. Wang, M. Jiang, C.Y. Kim, S.C. Kim, J.C

Salamone, J. McGrath, S. Bualek, T. Ogawa, A. Abe, K. Horie, F. Winnik

**Guests:** O. Vogl, J.C. Vogl, B.C. Anderson, R. Ottenbrite, W.H. Daly, D. Radic, L. Leung, T. Takahiko, H. Suzuki, K. Shida, S. P. Nunes, J.C. Jung

Call to Order: The meeting was called to order by J.C. Salamone, President, PPF, at 1:00 p.m. He welcomed all of the attendees and asked each to give his/her name and affiliation. The minutes from the previous PPF Council meeting were distributed as well as other materials pertinent to the meeting.

**Minutes of Akron Council Meeting:** D.J.T. Hill pointed out that there was an error in the minutes from the July 10, 1994, PPF Council meeting in Akron. Regarding Section 8 Committee Reports-discussion for change in Constitution. He thought that the proposals he took to the meeting were all accepted except for one. The minutes indicated discussion; but, he said the Council accepted all proposed changes except for 8.a i regarding "*The proposed idea of electing a deputy vice-president and having it written into the Constitution was dropped*".

Section 3.5.i."The President shall be elected by the FEDERATION Council as stated in Section 3.2.iii. The President shall be the chairman of the Council". It was decided to replace the word *chairman* with the word *chair*.

A motion was made for the minutes to be amended to read "accepted" rather than "discussed," and for the word *Chairman* to be replaced by *Chair*. The minutes were accepted with the amendment.

### **Committee Reports:**

*A. Program Committee:* R. Ottenbrite, Program Chair of PPC-4, welcomed everyone and hoped that they were enjoying the meeting. A brief report of the symposium was presented.



*B.Treasurer'*: W.E. Daly, Treasurer, reported the number of papers that B.C. Anderson put together regarding the PPF meeting. At the time of the Council Meeting, there were 515 participants, 46 students and 85 guests, which amounted to well over 600 attendees.

This reflected the quality of the meeting.

Regarding finances for the American Chemical Society for running the conference, the final numbers are not currently available, but he was optimistic that they will balance out satisfactorily. B.C. Anderson pointed out that the number of participants does not accurately reflect the number of papers presented. Several people presented more than one paper. J.C. Salamone remarked that PPC-4 seems to be the largest meeting of the Pacific Polymer Conference.

:

*PPC-5*: C.Y. Kim congratulated the organizing committee for PPC-4. Korea is the site for PPC-5 in October 1997. He estimated that the budget for this meeting will be around \$250,000(US). This includes an approximate registration fee of \$400. The total registration fees will make up about 60% of the total budget. He has decided that there will be approximately 60 invited speakers for this meeting. On Friday evening he showed information on the site for PPC-5.

*PPC-6*: F.S. Wang said that the Republic of China would be honored to hold PPC-6 in their country. He proposed either October 1999 in Shanghai, or December 1999 in Guangzhou. He has not been able at this time to get enough support to have PPC-6 in China and requested help with financial support from the PPF. J. Salamone said that the PPF cannot help financially. Each country must be able to support the meeting on their own. He suggested that there be three items to consider: 1) Can China do PPC-6 in 1999? 2) Should their sponsorship be moved to another year? 3) Should the event held in China be something other than the PPC-6? C. Y. Kim said potential sponsoring countries must be very careful because the PPC costs a lot of money which cannot be raised easily. The sponsoring country must be able to support the meeting. O. Vogl pointed out that individual participants need to be attracted to come to these meetings and pay their own way. F.S. Wang said that the Chinese Chemical Society has experience in organizing meetings such as this and in meeting the requirements for sponsoring such events, and that they wished to sponsor PPC-6. J.C. Salamone said that the Council will presume The Polymer Division of the Chinese Chemical Society will go ahead with PPC-6 in October

or December 1999. Discussion was held on which month was best and the academic people felt that December would be more convenient. Hong Kong as the site was also discussed and it was decided the PPC-6 would be held in December either in Guangzhou or Hong Kong.

PPC-7: F. Winnik announced that Canada will not be able to do PPC-7. However, she emphasized that Canada wanted to hold the meeting at some point.

Mexico as a site was discussed for PPC-7 possibly in Acapulco - but, it was too early to determine an exact location for the meeting.

*PPC Style:* The style of the Pacific Polymer Conferences was discussed. The PPC is an international meeting that is to be held in a relaxed atmosphere, which is equipped with recreational facilities close by and good meeting facilities.

*Workshops:* J.C. Salamone suggested that there need to be more symposia workshops organized by countries in the PPF that are -held jointly with other countries.

D.J.T. Hill said there had been symposia done in the past successfully. He has requested a PPF sponsored symposia report from previous symposia organizers, which he wanted to present at this meeting, but to date he has not received anything.

D.J.T. Hill reported that on January 27-28, 1995, the Polymer Society of Vietnam had an inaugural meeting - first International Conference on Chemistry. The meeting was successful with 22 foreign delegates and 60 Vietnamese delegates attending. Japan and several other countries were well-represented. The symposium was held in Hanoi. A number of the papers presented at the symposium will be published. This indicates that other countries should promote more of these symposia. The December *Polymer* has a report on the symposia.

Dang van Luyen of Vietnam thanked everyone for their help in organizing the successful symposium.

*Newsletter:* J.C. Salamone said the Newsletter was very brief this year because of the cost of printing. A. Abe said we need the Newsletter earlier than it was received this time. It could still be simple but with reports and information that is sent out when all of this information is still relevant.

J.C. Salamone said that it did not make sense to have thousands printed as in the past. If anyone wants a computer disk with the newsletter on it, call J.E. McGrath.

*Membership:* C.Y. Kim reported that Chile and Hong

Kong had submitted applications for membership in the PPF.

D. Radic from Chile discussed the chemical society of Chile and the polymer community there. A vote was taken and passed unanimously that Chile be accepted into the PPF. J.C. Salamone announced that Macromolecular Division of the Chemical Society of Chile will become the 16th member of the PPF as of January 1996.

L. Leung from Hong Kong discussed The Hong Kong Chemical Society and the polymer activity there. He said they are just really getting started in the polymer organization. J.C. Salamone said that since Hong Kong will be in the Republic of China soon, that will make two societies in China.

The Coucilors voted unanimously to admit The Hong Kong Chemical Society to become a member of the PPF. This makes them the 17th member of the PPF as of January 1996. The Pacific Polymer Federation was organized in October 1987 and consisted of three members. There are now 17 member societies in this organization.

*Constitution:* There was much discussion on the proposed Constitutional changes for the PPF and much disagreement on how and what was to be done. A. Abe said he was appointed Chairman of the Constitution Committee and was not included in any action taken. He said the Council must finalize the Constitution amended and approved in the Australian Meeting, December 1993, and then make changes.

D.J.T. Hill said there seemed to be some confusion. At the Gold Coast meeting in 1993, he was asked to bring information to the next meeting of the Council in Akron on the Constitution. The minutes of the Akron meeting have been discussed. It is his understanding that following that meeting, a new Constitution would be printed which reflected changes made in Akron. J.C. Salamone said there were two choices:

1) Give the whole thing back to the Constitution Committee: or, 2) Take any action at this time and appoint a new committee to deal with it. There are actually three documents - 1) The original Constitution, 2) J.E. McGrath draft, 3) A. Abe draft. O. Vogl pointed out

that at this time, the only valid Constitution is the original one. No vote was taken on this. J.C. Salamone said that until a new Constitution is developed and approved, we go by the Constitution, and the changes approved at this Council Meeting by ratification of the minutes of the Akron Council Meeting. Further discussion and action on the Constitution was tabled.

*Election of Officers* There will be no more a Deputy Vice President. The new slate of officers voted and approved by the Council for terms of 1996-97 are:

President: Chung Yup Kim, Korea, Vice President: Fosong Wang, China;  
Secretary/Treasurer, Sung Chul Kim, Korea

J.C. Salamone said that an amendment should be considered for the Constitution which would provide a procedure to follow on voting for new officers in the event a country withdraws from having the PPC meeting in their country.

#### New Business

*Possible Amendments to the Constitution to cover the following:*

- a. A quorum currently consists of 50% +1 of elected Councilors. If a PPC meeting is not well-attended, this could be a problem because there may not be a quorum of Councilors at a valid Council Meeting.
- b. Officers of the Council should be allowed to vote by mail or proxy if they cannot attend a meeting.
- c. Ex-Officio non-voting status be given to Past Presidents of the PPF on the Council.

*Associate Members:* J.C. Salamone discussed the concept of Associate Membership in the PPF for countries in the "vicinity" of the Pacific. A. Abe said the PPC meetings are open to every country, but every country should not be eligible for membership. C.Y. Kim said that technically the PPF cannot have a membership that is too large because it is just too expensive.

D.J.T. Hill asked what status of Associate Membership would be? Would Associate Members be able to invite speakers and have all of the benefits of the member countries? J.C. Salamone pointed out that the Council needed to decide whether to have Associate

Membership or not; and, if accepted, then the Council could decide on rights, etc. The Constitution does not definitely specify what "in or near" the Pacific means in regard to membership.

B.C. Anderson said that the IUPAC includes everyone and he does not think that the PPF should do that. D.J.T. Hill recommended welcoming all; but, be very specific on what being an associate member would include. G.A. George believed membership should be based strictly on location around the Pacific. He does not want the PPF to be too big. He thinks anyone can observe or maybe participate, but there should be no big change in PPF design.

N. Surdia said that at the Australian meeting there was discussion of Russia becoming a member of the PPF. There should be a definition of what "in or near" the Pacific is and to set borders. J.C. Salamone said the issue was too controversial and should be addressed at a later time with more thought being given to the subject.

*Closing:* J.C. Salamone, outgoing President, thanked everyone he has been involved with in the PPF for approximately the last ten years and indicated that the late James H. O'Donnell would be proud of how the PPF has grown from three to 17 members. He turned over the chair to Chung Yup Kim, new Council Chair for 1996/97.

C.Y. Kim said that the PPF contributes strongly to the dissemination of polymer science, because there are so many opportunities for the Pacific Rim countries to show their work. He said he will do his best to have a good conference in 1997 in Korea. The next Council meeting will be in Seoul, 5:00 p.m., Tuesday, August 6, 1996 (during the IUPAC Meeting there). The Constitution will be addressed at that time. He thanked everyone for being excellent participants.

A new list of Council members will be prepared and sent to all members. J.C. Salamone mentioned that the book, a collection of papers from invited speakers for the PPC-3 did not sell well and would not be printed again for PPC-4.

J.C. Vogl asked if there will be a session at the PPC-6 on Polymer Sciences and their relationship to the Arts. C.Y. Kim said this issue will be discussed and considered. He said he has not had much experience in running an organization such as this and needs all the advices he can get. He is looking forward to seeing everyone in Korea in 1997.

C.Y. Kim adjourned the meeting at 3:30 p.m.

(Minutes prepared by J.E. McGrath)

## **PPF MEMBER ORGANIZATIONS**

### **Founding Members:**

Division of Polymer Chemistry Inc., American Chemical Society

The Society of Polymer Science, Japan

The Polymer Division, The Royal Australian Chemical Institute

### **Members:**

The Macromolecular Science & Engineering Division of the Chemical Institute of Canada

Macromolecular Division of the Chemical Society of Chile

The Polymer Division of the Chinese Chemical Society

Hong Kong Chemical Society

Indonesia Polymer Association

The Polymer Society of Korea

The Polymer and Industrial Section of the Institute of Chemistry of Malaysia

Division of Polymers and Organic Materials, Mexican Academy of Materials of Sciences

The Polymer Group of the New Zealand Institute of Chemistry

The Plastics and Rubber Institute of Singapore

The Polymer Society of Taipei

The Polymer Society of Thailand

Division of High Polymer Physics, The American Physical Society

Division of Polymer Science, Chemical Society of Vietnam

## **PPF CONSTITUTION**

### **1. NAME AND OBJECTIVE**

1.1 The name of the organization shall be the Pacific Polymer Federation, hereafter called the FEDERATION; it shall be an organization to advance and benefit polymer science and technology.

1.2 The objectives of the FEDERATION shall be to encourage and facilitate:

- i. Interaction between polymer organizations involving the Pacific.
- ii. Exchange of scientific knowledge, participation in national polymer meetings, and visits by polymer scientists the Pacific.

### **2. MEMBERSHIP OF THE FEDERATION**

2.1 The foundation members of the FEDERATION shall be; (i) The society of Polymer Science, Japan; (ii) The Division of Polymer Chemistry, Inc., American Chemical Society; (iii) The Polymer Division of the Royal Australian Chemical Institute.

2.2 Membership of the FEDERATION shall be open to all societies and associations of scientists and engineers, geographically situated in, of near, the Pacific Basin, which have at least part of their activities devoted to polymer science and / or technology.

2.3 Member organizations shall not be committed by any action in conflict with their charters, constitutions, or bylaws or those of their parent organizations.

2.4 Other societies or associations, meeting the requirements of Section 2.2, shall be

encouraged to join the FEDERATION. The societies or associations may apply to join the FEDERATION by sending its application to Council (defined by Section 3.2). The organization will be admitted by a vote of at least two-thirds of the Council. The membership will become effective on January 1, following the vote of admission.

2.5 There shall be no regular annual subscription required of member organizations.

2.6 A member organization may resign from the FEDERATION by submitting its resignation in writing to the President of the FEDERATION at least one year in advance.

### **3. ORGANIZATION AND ADMINISTRATION**

3.1 The operating year shall be from January 1 through December 31.

### 3.2 Council

i. The FEDERATION shall be administered

by a Council.

ii. Each of the founding organizations shall have two representatives, the organization responsible for the next Pacific Polymer Conference and the organization responsible for the Conference following that shall have the representatives respectively, and each of the other member organizations shall have one representative on the Council.

iii. The Council shall elect a President, a Vice-President and a Secretary-Treasurer for a term of two year. One reelection shall be permitted.

iv. The Council shall appoint all committees and committee members to conduct such matters as may be delegated to them.

### 3.3 Duties of the Council

i. The Council shall conduct all the business of the FEDERATION.

ii. Decisions of the Council must be by a majority vote, with a minimum of one half of the total Council members constituting a quorum for the vote.

iii. No Council decisions requiring a specific course of action by a participating organization shall be valid without the approval of the members or proxy delegates of that organization.

iv. Expenses of the Council members incurred through participation in Council meetings may be provided by the treasury of the FEDERATION or the member organization.

### 3.4 Officers

The officers of the FEDERATION shall be the President, the Vice-President, and the SecretaryTreasurer.

### 3.5 President

i. The President shall be elected by the FEDERATION Council as stated in Section

3.2. iii The President shall be the chair of the Council.

ii. The duties of the president shall be to coordinate the activities of the FEDERATION and to maintain contact with the member organization through their representatives on the Council. The President shall prepare an annual report on the activities of the FEDERATION.



iii. In the case of President's inability to serve, his duties shall be assumed by the Vice President until a new President is elected by the Council.

### 3.6 Vice-President

The Vice-President shall be elected by the FEDERATION Council from its members as stated in Section 3.2.iii. In the absence of the President, the duties of that office shall be assumed by the Vice-President.

### 3.7 Secretary-Treasurer

The Secretary-Treasurer shall be elected by the FEDERATION Council from its members as stated in Section 3.2.iii.

### 3.8 Committees

All Committees and committee chairs shall be appointed by the Council. Expenses incurred in performing their duties will be borne when possible by the organizations to which the individual members belong.

## 4. FINANCIAL BUSINESS

The FEDERATION shall cover its activities through the support by external funds. Such funds may be used for attendance of representatives at Council meetings, and/or to sponsor FEDERATION activities. The President shall report the financial status of the FEDERATION at every Council meeting. The extent of the activities of the FEDERATION shall be determined annually by the Council of the FEDERATION.

## 5. OPERATION OF THE FEDERATION

5.1 The Council of the FEDERATION shall be operated by regularly scheduled meetings and by correspondence. A Council meeting shall be held at each Pacific Polymer Conference and at such other times as determined by a majority of Council members or by the President of the Federation. A member organization may appoint properly qualified proxy delegate(s), who will have voting right(s), to attend meetings of the Council.

5.2 The FEDERATION may organize international meetings or conferences on any aspect of polymer science and technology. The organization of conferences may involve all or some of the member organizations of the FEDERATION. These may be of the following types:

i. Meetings of international standing and interest organized by national bodies of the meeting must be submitted to the President of the FEDERATION for consideration by the Council, which may suggest modifications before approval is given. The financial management of the meeting shall be the responsibility of the organizing national body. Members of all national bodies affiliated to the FEDERATION who wish to attend a meeting sponsored by the FEDERATION shall be treated as if they were members of the organizing national body.

ii. Meeting-of international interest, conceived and promoted by the Council. Although the initiative of such meetings shall reside with the Council, the organization of such meetings shall be delegated to the Council members of the chosen country of venue. The financing of the meetings, together with the acceptance of any profit or loss, may be accepted by the participating body or bodies of the hosting country. Alternatively, the financing may be organized by the Council through external funding.

iii. The Council shall organize the Pacific Polymer Conference every two years according to Section 5.2.ii.

5.3 The policy of the FEDERATION toward publication of the proceedings of any of its meetings shall be determined principally by the publication policy of the organizing national body or bodies. Prominent recognition of the FEDERATION sponsorship shall accompany all such publications.

5.4 The FEDERATION may produce a bulletin (or other forms of information) for distribution to members and other interested organizations

5.5 The Council may plan and execute other activities of interest to FEDERATION.

**6. AMENDMENTS OF THE CONSTITUTION** Any member organizations of the FEDERATION may propose an amendment to the Constitution of the FEDERATION by submitting it in writing -to the President of the FEDERATION. Adoption of an amendment to the Constitution shall require an affirmative vote of two-third of the Council.

**7. DISSOLUTION OF THE FEDERATION** The FEDERATION may be dissolved only by a unanimous vote of the Council of the FEDERATION. Prior to dissolution of the FEDERATION all debts of the FEDERATION must be discharged and all its affairs settled.

**Established:** October 19, 1987 (Tokyo, Japan)

**Amended:** December 14, 1993 (Gold Coast, Australia)

### **Fourth Pacific Polymer Conference December 12-16, 1995**

#### **Kauai, Hawaii, U.S.A.**

PPC-4 was successfully held in Kauai, Hawaii, last December with 630 participants from 31 countries. There were 232 participants from U.S.A, 195 from Japan, 65 from Korea, 25 from Australia, 19 from Germany, 17 from Canada, 15 from Taiwan, 14 from Mexico, etc. The total number of papers presented were 592 papers including 384 oral presentations.

### **5th Pacific Polymer Conference October 26-30, 1997,**

#### **Kyongju, Korea**

(organized by the Polymer Society of Korea for PPF)

Organizing Committee: Chairman: Chung Yup Kim

Finance Committee: Chairman: Hyoung-Soo Han

Program Committee: Chairman: Jin Chul Jung

Secretariat: Sung Chul Kim

Active Participant: US\$ 450 Accompanying Person US\$ 150

Hotel Hyundai, Shinpyong-dong, Kyongju, Korea

**Scientific Sessions:** *Polymer Synthesis and Reactions:* Novel Synthesis and Reactions, Polymerization Catalysts; *Polymer Blends and High Performance Polymers* Polymer Blends, Polymer Composites, Liquid Crystalline Polymers; *Functional Polymers:* Membranes, Polymers for Electronics/Photonics; *Bio-related Polymers:* Biodegradable Polymers, Biomedical Polymers, *Physical Polymer Science:* Polymer Solution & Gels, Polymer Surfaces & Interfaces, Structure-Properties of Polymers; *Modification of Commercial Polymers*

**6th Pacific Polymer Conference: December, 1999 Guangzhou, China**

(organized by the the Polymer Division, Chinese Chemical Society for PPF)

Organizing Committee: Chairman: Fosong Wang, Vice-Chairman: Mao Xu. The Chinese Academy of Science

## **Newsletter 7: Kim's Presidency**

**PACIFIC POLYMER FEDERATION NEWSLETTER No. 7 October 27, 1997**

*Editor: Dong Young Kim, Sung Chul Kim*

Chung Yup Kim, (Korea Institute of Science and Technology, Seoul, Korea), **President**  
Fosong Wang, (Chinese Academy of Sciences, Beijing, China), **Vice President**, Sung  
Chul Kim, (Korea Advanced Institute of Science and Technology, Taejon, Korea),  
**Secretary/ Treasurer**

### **Members of the Council**

A. Abe, H. Chan, W.H. Daly, G.A. George, C.C. Ho, K. Horie, M. Jiang, T. Lodge, Y.  
Lee, Dang V. Luyen, J. E. McGrath, D. Officer, T. Ogawa, E. Rizzardo, M. Sugandi-  
Ratulangi, D. Radic, S. Tantayanon, K.C. Tin, F. Winnik

### **President's Message: Chung Yul Kim**

It is a great pleasure to welcome all the participants to PPC-5 at Kyungju, Korea. I am encouraged to note that the number of the participants exceed 800 and every member association has its members registered at the meeting. The presentations at the Conference cover research works on all fields of polymer science and engineering.

The Conference, as the Constitution of the Federation anticipates, becomes a plaza for all scientists and engineers in the Pacific Basin to exchange ideas and to plan collaborations between them. It is expected that new friendship will be established between the participants and exchanges of scientists and engineers will also be realized between laboratories. The activities of the PPF will promote not only a progress in academia and polymer industries in the region but mutual understanding of people, which, I hope, develops lasting peace in the region for coming years.

I like to express my gratitude toward the Council Members for their precious in preparation of the Conference. My deep appreciation goes to the Korean companies and the foreign institutes which have balanced the budget. The Conference would not be possible without strong efforts of all the members in the Organizing Committee and I like to share all the credit with them.

I hope all the participants have a good time in Korea and wish you successes in your works.

Sincerely Yours,

Chung Yup Kim President, of PPF

### **Professor Otto Vogl 70 Years Old**

Otto Vogl was born 70 Years ago in Traiskirchen, Austria. and received his Ph.D. from the University of Vienna in 1950. In the early period of a scientific career of 50 years he worked on natural products, steroids alkaloids, purines and pyridines. Vogl pursued stereochemistry and chirality throughout his career, which also included the synthesis of the simplest pentatomic molecule: chiral fluorochlorobromomethane; it also included chiral crystallization.

In 1956 Otto Vogl began devoting his work to polymer science and technology; one year later he discovered the polymerization of higher aldehydes. For the next 40 years, Vogl worked on aldehyde polymerization, especially the polymerization of trihaloacetaldehyde, with special emphasis on chiral. initiation with chiral anions or chiral counter cations produced polychloral whose optical activity is based on macromolecular asymmetry. The genesis of this polymerization was worked out by subjecting the individual chloral oligomers to rigorous single crystal x-ray analysis.

Otto Vogl also investigated polymerizable and polymer-bound stabilizers, most prominently, UV stabilizers, head to head polymers of commodity plastics, the polymerization of  $\alpha$ -olefins and epoxides with functional groups, polycations as bile acid (cholesterol) sequestering agents and polymerization under extreme pressures. In recent years, Vogl became interested in "Polymer Science and the Arts", the restoration of "Old Masters", and Oriental Lacquers.

Vogl also made significant contributions to instrumental characterization of polymers. In 1964 he found that NMR spectroscopy could be used to describe higher order stereochemistry in polymers (pentads). He also showed that the optical activity of chiral polymers could be measured in suspension and established the derivative mode of recording TGA results of polymer degradations, he also carried out the first thermal degradation of polymer blends.

What is here described as the work of Otto Vogl is actually the work of about 100 co-workers under his supervision and cooperative efforts with over a dozen laboratories from throughout the world. Nearly 600 articles, including original scientific papers, science related publications and patents testify for his scientific achievements. Otto Vogl was also active in professional societies; he served as Chairman of the Division of Polymer Chemistry of the American Chemical Society (ACS) , and helped create the Macromolecular Secretariat of the ACS. Internationally, Vogl was very active in promoting the interaction of polymer scientists and polymer science oriented organizations in Europe and the Orient.

In 1984 Vogl began to explore the possibility of creating a Pacific Polymer Federation (PPF). Polymer science was and is one of the fastest growing disciplines of science and the Pacific Basin the fastest developing region in the world. Vogl believed and still believes that regional cooperation is the most effective way of scientific and technological interactions. Together with Takeo Saegusa (Japan) and James O'Donnell (Australia), the PPF was organized and began to function in 1987; PPF was soon joined by the Korean polymer community. The PPF has now, after 10 years of operation, 16 member organizations from the Pacific region.

Otto Vogl was and is also very involved in scientific publication. He is or was on the Editorial Boards of virtually every polymer related journal and is now the Editor of Progress in Polymer Science, the International Review journal.

## **Forty Eight Years in Polymer Science Research**

### **Takeo Saegusa**

I am going to attain my 70th birthday in this October. In Japan, we have special events for birth years of 60th, 70th, 77th, 80th, 88th, 99th, and 100th. The 70th birthday is called the "Koki" which is based on a Chinese old poem saying "it is extraordinarily happy for a person to celebrate his 70th birthday". On this occasion, I would like to look back in brief to my research life in polymer science.

The birth time of polymer science, on the other hand, may be assigned to the period of 1923-1928 when the concept of "Macromolecules" was established by H. Staudinger, in Freiburg, Germany. Therefore the length of history of polymer science is to be estimated at around-70 years, too. I myself started polymer science research in 1949 at Kyoto

University, Japan. Thus, the length of my career as a polymer scientist now amounts 48 years, i.e., it is about two thirds of the total length of the history of polymer science. I feel myself quite fortunate in spending all my research life in an important period of a big progress of polymer science.

Concerning the way of exploration of a new field of research, I believe, after 48-years research life, the combination of two or more different fields is quite useful. The first research work of mine was concerned with the synthesis of polymers consisting of polyacrylate backbone and polystyrene branches, which was published in 1954. The new polymer I prepared is to be simply expressed by a word 'graft polymer' according to the terminology proposed by H.F. Mark. The lengthy title of the paper was due to the fact that my manuscript was prepared prior to the publication of the proposal of Professor Mark. I have been proud to find that the concept of "graft polymer" emerged simultaneously, and, of course, independently in Japan and in the United States. I am much indebted to the late Professor Ryohei Oda, my thesis advisor, who suggested me the above research topic. The synthetic method was based on polyacrylate whose methyl ester group had partially been converted to a "per-ester".

I had two valuable experiences at the beginning of my research life. First, I had to learn a lot about organic chemistry of per-ester. I should be careful enough about the explosive nature of per-ester. The second one was an interesting observation which taught me a remarkable difference of the solution (viscosity) property of the newly synthesized polymer in comparison with that of the parent backbone polymer.

Discovery of polymerization of acetaldehyde by alumina was the second exciting event in my research life. Before my discovery many papers had reported that the freezing of monomer (by liquid air, freezing point  $-121^{\circ}\text{C}$ ) was indispensable for the occurrence of the polymerization. The so-called freezing polymerization, which had been assumed to occur only at interface between monomer crystal and monomer liquid during the freezing of monomer, interested many scientists. I speculated by intuition that the adsorption of monomer onto a solid surface such as alumina might have an effect somewhat similar to the freezing of monomer, and I could discover the polymerization of acetaldehyde by alumina catalyst at the Dry Ice temperature without the freezing of monomer. The polymer was an elastic material, whose molecular structure was an atactic one.

In the period of 1950s, the polymerization of acetaldehyde became much interesting from two standpoints. First, it is one higher homologue of formaldehyde whose polymerization had been commercialized under the name of "polyacetal resin". The second point is rather a matter of curiosity on the basis of the formality of the apparent analogy of chemical structure between propylene and acetaldehyde.



The polymerization of propylene involves the opening of propylene of C=C double bond, whereas that of acetaldehyde C=O double bond. In conformity with the stereoregulation in the polymerization of propylene, we could discover the isotactic polymerization of acetaldehyde by the catalysts of organometallic compounds and of metal alkoxides. Professor G. Natta in Europe and Prof. O. Vogl in the United States attained similar results independently and coincidentally in the same period, although the details of the results were a little different among those of three research groups. It is of interest to note that a similar conception was generated separately in three different laboratories without any mutual communication.

The unintended coincidence of research with Otto Vogl has brought me a lasting friendship on research as well as on a personal bases.

My efforts of exploration of the catalysts for the polymerization of acetaldehyde were extended to the ring-opening polymerization of cyclic ethers, three-, four-, five- and seven-membered ones. Discoveries of several new catalyst systems were based on organometallics, for which deep understanding of chemistry of organometallics was necessary.

"No catalyst alternating copolymerization via zwitterion intermediates" was another exciting exploration, in which two different monomers, one monomer possesses a nucleophilic reactivity, the other an electrophilic reactivity, react with each other spontaneously to produce a 1:1 adduct of zwitterion intermediate. Molecular designing of monomers as well as the analyses of the generations of the zwitterion and their reactions largely depended upon the chemistry of organic reactions. On the basis of a general principle, I could explore over 50 new types of copolymerization reactions.



Organic-inorganic polymer hybrids is a group of new transparent materials in which organic polymer molecule is being mixed with inorganic metal oxide at a level of molecular dispersion. The key of our new preparative method is to secure the strong hydrogen bond interaction at the interface between the metal-OH group of metal oxide and the carboxylic amide group of the organic polymer component. The prototypal procedure is rather simple in which the corresponding metal alkoxide, the precursor of metal oxide, is subjected to the sol-gel procedure in the presence of the above polymer component in solution.

Organic-inorganic polymer hybrids are promising materials, which have a lot of potential applications. Improvement and modification of the hybrid materials require thorough understanding of many branches of material science.

At school, the discipline of chemistry is afforded according to a traditional way in which it is being lectured separately in several elements of chemistry, i.e., analytical, physical, inorganic, and organic chemistry. This way of education is useful to impart to students the fundamental understanding of chemistry. However, in exploratory research seeking for new materials it is recommended to eliminate the traditional classification of the fundamental elements of chemistry. We know polymer science is by nature an interdisciplinary field of research. (September 30, 1997)

#### *PPC-5 Sponsoring Organizations*

The Ministry of Science and Technology, Korea; The Korea Federation of Science and Technology Societies; U.S. Army Research Office; Center for Advanced Functional Polymers, KAIST; Korea Petrochemical Industry Association; Saehan Industry Co., Ltd.; SKC, Ltd.; Dongiin Chemical Industry Co., Ltd.; Dongsung Chemical Industry Co., Ltd.; Hankook Caprolactam Co., Ltd.;

Hanwha BASF Co., Ltd.; Hyosung BASF Co., Ltd.; Kolon, Ltd.;

LG Petrochemical Co., Ltd.; Samsung General Chemicals, Ltd.;

Samyang Co., Ltd..

**Minutes of Council Meeting, August, 6, 1996**

**Hotel Intercontinental, Seoul, Korea**

Attendees: C.Y. Kim, S.C. Kim, J.E. McGrath, W.H. Daly, E. Amis, A. Abe, K. Horie, E. Rizzardo, G.A George, J. Lee, M. Jiang, S. Tantayanon, N. Surdia, Dang Van Luyen, C.C. Ho, T. Ogawa, D. Radic,

Guests: T. Takahiko, K. Shida, L. Radiman, J.C. Jung, D.Y. Kim

*Welcoming Remarks:* The meeting was called to order by C.Y. Kim, President, PPF, at 18:00. He welcomed all of the attendees and asked each to give his/her name and affiliation. The minutes from the previous PPF Council meeting were distributed as well as other materials pertinent to the meeting with PPF Newsletter No. 6.

*Approval of Minutes* The minutes from the previous PPF Council meeting (at Kauai, Hawaii, on December 14, 1995) prepared by J.E. McGrath was approved with a few corrections.

*PPC-5:* S.C. Kim reported the progress in preparation of PPC-5, Kyongju, Korea. He announced that 10,000 copies of the first circular were distributed over sixteen countries and the second circulars were ready to be mailed. C.Y. Kim informed that the number of invited speakers for each country were decided based on the number of its attendees at PPC-4, Kauai. The United States were counted as one unit for ACS and APS. He also asked a half of the invited speakers selected from industries. S.C. Kim added that the number of invited speakers can be doubled, but the extra financial support will not be provided. He asked for the list of invited speakers by October 31, 1996.

*PPC-6:* M. Jiang announced that the location of PPC-6 was set at Guangzhou, in the first week of December, 1999. He said that the organizing committee was setting up for PPC-6, and the weather will be *fine* at the as an average temperature around 20°C.

*PPC-7:* Mexico was discussed again for the site of PPC-7 as done in Kauai. But there was no conclusion because it was too early to be decided.

*PPF - Newsletter:* S.C. Kim reported that 1,000 copies were printed. Some information in the section of the PPF member was corrected at the meeting.

*Committee Reports:* A. Abe proposed to finalize the revised PPF Constitution as discussed in Kauai. J.E. McGrath suggested a vote for approval of the constitution. The proposed constitution was approved unanimously.

*Appointment of New Committee Chairman:* A. Abe was appointed as the chair of the Constitution Committee, G.A. George for the Membership Committee, and S.C. Kim for the Awards Committee.

*Old Business/New Business:*

It was discussed if the regional meeting could be supported by PPF or not. It would be encouraged without a financial support And K.

Horie announced International Polymer Conference (IPC97) and distributed the circulars.

*Next Council Meeting* C.Y. Kim announced that the next council meeting would be held in Kyongju, 1997 during PPC-5.

C.Y. Kim adjourned the meeting at 20:00 (Minutes prepared by S.C. Kim)

## **PPF MEMBER ORGANIZATIONS**

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The Society of Polymer Science, Japan

The Polymer Division, The Royal Australian Chemical Institute

### **Members:**

The Macromolecular Science & Engineering Division of the Chemical Institute of Canada

Macromolecular Division of the Chemical Society of Chile

The Polymer Division of Chinese Chemical Society

Hong Kong Chemical Society

Indonesia Polymer Association

The Polymer Society of Korea

The Polymer and Industrial Section of the Institute of Chemistry of Malaysia

Division of Polymers and Organic Materials, Mexican Academy of Materials of Science

The Polymer Group of the New Zealand Institute of Chemistry

The Plastics and Rubber Institute of Singapore

The Polymer Society of Taipei

The Polymer Society of Thailand

Division of High Polymer Physics, The American Physical Society

Division of Polymer Science, Chemical Society of Vietnam

**Council Members:**

Ezio Rizzardo, Fosong Wang, Graeme A. George, Ming Jiang, Francoise Winnik, K.C. Tin, M. Sugandi-Ratulangi, Deodato Radic,

Akihiro Abe, Kazuyuki Horie, Chung Yup Kim, Sung Chul Kim, Chee-Cheong Ho, Takeshi Ogawa, David Officer, Hardy Chan, Yu-Der Lee, Supawan Tantayanon, James E. McGrath, William H. Daly, Tim Lodge, Dang Van Luyen

**5th Pacific Polymer Conference (PPC-5), October 26-30, 1997**

**Kyongju, Korea**

Registration: Total: 820 from 23 countries

Abstracts: Total 587

Plenary: Lectures: 5, Oral: Presentations: 250 Posters: 330

**6th Pacific Polymer Conference, October 26-30, 1999**

**Guangzhou, China**

*Organized by the Polymer Division, Chinese Chemical Society, and South China University*

PPC-6, The 6th Pacific Polymer Conference, will be held in Guangzhou, China, from 7th-11th December, 1999. The Organizing Committee is pleased to invite you to participate in this important

event for world polymer community. The Conference will provide an international forum for the communication and discussion of new ideas, results and perspective for polymer science and technology.

*Organizing Committee:* Chairman: Fosong Wang, Vice Chairmen: Huanbin Liu, Mao Xu

*Program Committee:* Chairman: Mao Xu

*Local Committee:* Chairman: Demin Jia

*Secretariat:* Secretary General: Xigao Jin

#### *Scientific Sessions*

*Synthesis and Reactions of Polymers;* Precision Polymerization and Polymer Reactions, Structural Modification of Macromolecules, Fine-designed Polymers, New Progress of Olefin and Vinyl Polymerization

*Structure and Properties of Polymers,* Polymer Structure and Morphology Structure-Property Relationship, Molecular Simulation and Design Characterization of Polymers

*Polymer Blends and Composites* Multicomponent Polymer Systems, Polymer Surface and Inter-faces, High Performance Polymer, Composites, Organic/Inorganic Hybrids

*Functional Polymers;* Conductive and Photo-active Polymers, Liquid Crystal Polymers, Polymer Membranes, Polymers for Electronics

*Bio-and Medical Polymers:* Biodegradable and Environmental Friendship Polymers, Polymer Solutions and Gels, Polymers for Medical Uses, Natural Polymers

*Polymer Engineering and Processing :* Rheology and Processing, Novel Processing Technology, Recycling of Polymers

### *Venue*

Guangzhou (Canton) is the biggest trading, industrial and tourist city in South China. As an ancient city, it has a history of more than 2800 years. Guangzhou is lush and green all the year around with flowers blooming in all seasons, thus to be named as *'Tower City'*. It has a warm winter with an average temperature around 20°C in December. Guangzhou is also very famous for its Cantonese cuisine and food. It is a major entrance to South China, a lot of direct flights to Guangzhou are available from Hong Kong, Osaka, Seoul, Los Angeles, Sydney, Melbourne, Brisbane, Singapore, Jakarta, Manila, Bangkok, Kuala Lumpur, Ho Chi Minh, etc.

*Mailing Address:* Xigao Jin

## Newsletter 8: Wang's Presidency

**PACIFIC POLYMER FEDERATION NEWSLETTER No. 8 June 30, 1997**

*Editor: Ming Jiang*

Fosong Wang, (Chinese Academy of Science, Beijing, China) **President**, Takeshi Ogawa (Universidad Nacional Autonoma de Mexico, Mexico) **Vice President**, Ming Jiang (Fudan University, Shanghai, China) **Secretary/Treasurer**

### **Members of the Council**

H. Chan (Singapore), W.H. Daly (USA), G.A. George (Australia), R. Guerrero (Mexico), C.C. Ho (Malaysia), K. Horie (Japan), T. Kajiyama (Japan), S.C. Kim (Korea), Y.D. Lee, (Taiwan, China). Louis M.L. Leung (Hong Kong, China), T. Lodge (USA), Dang Van.Luyen (Vietnam), J.E. McGrath (USA), D. Officer (New Zealand), F. Rabagliati (Chile), E. Rizzardo (Australia), M. Sugandi-Ratulangi.(Indonesia), S. Tantayanon (Thailand), F. Winnik (Canada).

### **President's Message: Fosong Wang**

Pacific Polymer Federation, PPF, has been growing up in the past ten years since its foundation in 1987. PPF is now composed of 17 member organizations, which are the most active and important polymer oriented societies or organizations in the Pacific Basin. The objective of PPF is to encourage and facilitate the interaction between our member organizations and the scientific exchange among polymer scientists and engineers in the Pacific region. All the activities of PPF have demonstrated its important role, not only in the science aspects, but also in promoting the mutual understanding and friendship among peoples.

The prime function of PPF is to organize Pacific Polymer Conference, PPC, in sequence of every two years. We have already five PPC's since 1989 in Maui (USA), Otsu (Japan), Gold Coast (Australia), Kauai (USA) and Kyongju (Korea), respectively. The 6th PPC is to be organized by Polymer Division, Chinese Chemical Society in December,

1999 in Guangzhou, China. We are very pleased to note that due to the effort of all the member organizations, PPC is now well known as one of the important events for world polymer community.

As the president of the Council of PPF I sincerely welcome you to attend the 6th Pacific Polymer Conference, an international forum for communication and discussion of new ideas and results and perspective for polymer science and technology on the Eve of the New Century.

Sincerely Yours

Fosong Wang, President of PPF

### **Minutes of PPF Council Meeting, October 27, 1997**

#### **Hotel Hyundai, Kyongju, Korea**

Attendees: C.Y. Kim, F.S. Wang, S. C. Kim, A. Abe, H. Chan, W. H. Daly, G.A. George, C.C. Ho, K. Horie, M. Jiang, Y. Lee, T. Lodge, J.E.McGrath, D. Officer, T. Ogawa, E. Rizzardo, M. Sugandi-Ratulangi, D. Radic, S. Tantayanon, K.C. Tin

Guests: O. Vogl, T. Saegusa, S. Israel, H. Liu, R. Ottenbrite, J. C. Salamone, M. Xu, K. Shida, T. Takahiko

*Welcoming Remarks:* The meeting was called to order by C.Y. Kim, president of PPF at 17:00. Among 22 Council Members, 20 members attended and the quorum was met. He welcomed all of the attendees and asked each to introduce himself/herself.

*Approval of Minutes:* The minutes of the previous PPF Council Meeting which was held on August 6, 1996, in Seoul, Korea prepared by S.C. Kim was approved with the following corrections.

*Corrections made:* Add M. Xu in the list of guests attended. Change M. Jiang to F.Wang in IV. PPC-6 first line.

*Committee Reports:* G.A. Georage (Chairman, Membership Committee) reported that currently 17 Societies are members of PPF and no new membership applications were received since the last PPF Council Meeting.



*Constitutions Committee:* A. Abe, Chairman, reported that the final revised version of the Constitution of PPF was written in the PPF Newsletter No. 7.

*Awards Committee:* S.C. Kim, Chairman, had nothing to report.

*Report on PPC-5:* S.C. Kim (Secretary General, PPC-5) reported that the number of pre-registered participants were 820 from 23 countries and 587 abstracts were received which included 5 plenary lectures, 250 oral presentations and 330 poster presentations. The detail of the pre-registration and abstract submission statistics appeared in the last page, of PPF Newsletter No. 7.

*PPF Newsletter No. 7:* S.C. Kim explained the contents of PPF Newsletter No. 7. The Newsletter had two articles from O. Vogl, the first president of PPF and T. Saegusa, the second president of PPF who coincidentally had their 70th birthday one week before (Oct. 18 for Saegusa) and one week after (Nov. 6 for Vogl) the PPC-5 period. The Newsletter also listed the addresses of the Council Members.

*PPC-6:* F. Wang mentioned that he was impressed about the organization of PPC-5 and thanked the organizer of PPC-5 for reducing the registration fee for participants from developing countries. He reported that the organizing committee of PPC-6 decided to hold the Conference in Guangzhou from December 7-11, 1999.

M. Xu PPC-8 reported that the Chairman of the Organizing Committee was F. Wang, Vice Chairman H. Liu and M. Xu, Program Committee Chairman M. Xu, Local Committee Chairman D. Jia, Secretarist X. Jin. He stated that the PPF Council members would form the International Advisory Committee. The first circular was prepared and distributed during the 6th SPSJ International Polymer Conference and PPC-5 and would be distributed during the IUPAC Macro Meeting (Macro 98) in Australia. He introduced Guangzhou as an old city (2800 years old) but currently the biggest trading and industrial city in south China. We could visit many historical sites around the city and the weather in December would be fine and warm. He hoped to meet all the members of the Council in Guangzhou.

*PPC-7:* T. Ogawa proposed to have the PPC-7 in Mexico in the year 2001 and the resolution of having PPC-7 in Mexico was passed with 18 votes in favor. He reported that the Conference would be held in a Monastery built around 1550 and later converted to a Conference Center in the City of Oaxaca which was located in the south of Mexico

facing the Pacific and 500 km from Mexico City. It would be held in November and the temperature in November would be around 25°C. He also mentioned that the Oaxaca is a colonial city with many ancient ruins around the city.

*PPC-8:* S. Tantayanon proposed Thailand, A. Abe said Japan is always ready as the founding member and C.C. Ho proposed Singapore. It was decided to discuss PPC-8 in the next PPF Council Meeting in Australia and C.Y. Kim asked those who had interest in organizing the Conference to prepare a written proposal.

*Old Business/New Business:* The proposed collaboration with the European Polymer Federation would be discussed in the Council Meeting. G.A. George mentioned that Stanley Penczek would come to Macro 98 and considered a good opportunity to discuss. O. Vogl suggested to consider having a *Polymer Science and the Arts* Session in PPC-6. C.Y. Kim discussed about promoting more participation in PPC and asked the Council Members to put more effort. T. Saegusa suggested to invite the opinion leaders of the polymer industry as the invited speakers. J.E. McGrath introduced the Biennial Meeting of the Polymer Chemistry Division of ACS which would be held in the year 2000 in December one week before the Pacifichem 2000.

*Election of New President/Vice President:* F. Wang and T. Ogawa were elected as the President and Vice President of the PPF unanimously. The term will begin Jan. 1, 1998.

*Next Council Meeting:* The next Council Meeting will be held on July 13 (Monday), 1998 on the Gold Coast, Australia. G.A. George mentioned that there would be a registration support for the Council Members.

C.Y. Kim adjourned the meeting at 19:00. (Minutes prepared by S.C. Kim)

## **PPF MEMBER ORGANIZATIONS**

### **Founding Members:**

Division of Polymer Chemistry Inc., American Chemical Society

The Society of Polymer Science, Japan

The Polymer Division, The Royal Australian Chemical Institute

**Members:**

The Macromolecular Science & Engineering Division of the Chemical Institute of Canada

Macromolecular Division of the Chemical Society of Chile

The Polymer Division of Chinese Chemical Society

Hong Kong Chemical Society

Indonesia Polymer Association

The Polymer Society of Korea

The Polymer and Industrial Section of the Institute of Chemistry of Malaysia

Division of Polymers and Organic Materials, Mexican Academy of Materials of Science

The Polymer Group of the New Zealand Institute of Chemistry

The Plastics and Rubber Institute of Singapore

The Polymer Society of Taipei

The Polymer Society of Thailand

Division of High Polymer Physics, The American Physical Society

Division of Polymer Science, Chemical Society of Vietnam

**Council Members:**

Ezio Rizzardo, Françoise Winnik, Graeme A. George, Franco Rabagliati, Fosong Wang, Sung Chul Kim, Ming Jiang, Chee-Cheong Ho, K.C. Tin, Takeshi Ogawa, M. Sugandi-Ratulangi, Ramiro Guerrero, Kazuyuki Horie, David Officer, Tisato Kajiyama, Hardy Chan, William H. Daly, James. E. McGrath, Yu-Der Lee, Tim Lodge, Supawan Tantayanon, Dang Van Luyen.

**6th Pacific Polymer Conference, December 7-11, 1999**

**Guangzhou, China**

*(Organized by: The Polymer Division, Chinese Chemical Society)*

Mailing Address: Xigao Jin

## **Newsletter 9: Wang's Presidency**

**PACIFIC POLYMER FEDERATION NEWSLETTER No. 9 November 1, 1999**

*Editor: Ming Jiang*

Fosong Wang, (Chinese Academy of Science, Beijing, China) **President**, Takeshi Ogawa (Universidad Nacional Autonoma de Mexico, Mexico) **Vice President**, Ming Jiang (Fudan University, Shanghai, China) **Secretary/Treasurer**

### **Members of the Council**

H. Chan (Singapore), Wayne D. Cook (Australia), W.H. Daly (USA), R. Guerrero (Mexico), C.C. Ho, C.C. (Malaysia), K. Horie (Japan), T. Kajiyama (Japan), Sung Chul Kim (Korea), Y.D. Lee (Taiwan, China), Louis M.L. Leung (Hong Kong, China) T. Lodge (USA), Dang van Luyen (Vietnam) J.E. McGrath (USA), D. Officer. (New Zealand), F. Rabagliati (Chile), E. Rizzardo (Australia), M. Sugandi-Ratulangi (Indonesia), S. Tantayanon (Thailand), F. Winnik, (Canada)

### **President's Message: Fosong Wang**

As the Council President of PPF and the Chairman of the Organizing Committee of Sixth Pacific Polymer Conference (PPC-6), it is my great pleasure to welcome all the participants of PPC-6 coming from the Pacific Basin area and other countries all over the world.

Organizing the PPC is the most important part of the activities of PPF. We've successfully held five PPC's since the establishment of PPF in 1987. From January 1998, I was elected the PPF Council President, and I must say that I feel things went on smoothly. Thanks to all the thrust and cooperation from every dear member of PPF Council.

During our council meeting at Cold Coast of Australia last year on 15. July, we've discussed the detailed preparation works of the imminent PPC-6 and also PPC-7 which

will be held in Mexico in 2001. The time and venue of PPC-8 has also been conceded in Thailand in 2003. At the same time, the Council has appointed three committee chairmen, i.e. T. Kajiyama for the Constitution Committee, G.A. George for the Membership Committee and S.C. Kim for the Awards Committee.

Finally, I sincerely hope that PPC's shall have great achievements and a grand future in the coming Century.

Sincerely Yours

Fosong Wang, President of PPF

**Minutes of the PPF Council Meeting, 15:00-17:00, July 15, 1998**

**Conrad Jupiter's, Gold Coast, Australia**

Attendees: H. Chan, W.H. Daly, G.A. George, R. Guerrero, C.C. Ho,

K. Horie, M. Jiang, T. Kajiyama, S.C. Kim, D. Officer, T. Ogawa,

F. Rabagliati, E. Rizzardo, S. Tantayanon, F.S. Wang

Guests: A. Abe, X.G. Jin, CY. Kim, S. Nakahama, R. Ottenbrite, K. Shida, M. Xu

*Welcoming Remarks*

F.S. Wang, President of PPF Council, welcomed all the attendees and guests of the meeting and outlined the agenda. The Council members and guests then introduced themselves in turns. The minutes of the previous PPF Council Meeting, which was shown in PPF Newsletter No. 8, as well as the Second Circular of PPC-6 were distributed.

*Approval of Minutes:* The minutes prepared by S.C. Kim of the previous PPF Council Meeting which was held on October 27, 1997, in Kyongju, Korea was approved with a few corrections.

*Report on PPC-6:* F. S. Wang and M. Xu reported the progress in organizing PPC-6 in Guangzhou, China, December 7-12. Many valuable suggestions were raised during the discussion, e.g. the poster presentation was emphasized by some Council Members.

*Membership:* G.A. George reported that the Mexican Polymer Society has submitted an application for the PPF membership.

There was much discussion on that application, as the Division of Polymers of the Mexican Academy of Material Science is the current member from Mexico. T. Ogawa discussed the polymer community in Mexico and the structure and relationship among three polymer-related societies there. It was finally concluded that the Mexican Polymer Society may replace the Division of Polymer of the Mexican Academy of Material Science as a new PPF member. However, the Polymer Division shall require the change in written form for its formal approval.

*Appointments of New Committee Chairmen:* T. Kajiyama was appointed as the Chairman of the Constitution Committee, G.A. George, the Membership Committee and S.C. Kim, the Awards Committee.

*PPC-7 and PPC-8* T. Ogawa noted that PPC-7 would be held either at the end of November or at the beginning of December, 2001 in the city of Oaxaca, Mexico. The conference will be organized by the Mexican Polymer Society, the Division of Polymeric Materials of the Mexican Academy of Material Science and the Division of Polymer Chemistry of Mexican Chemistry Society. He introduced Oaxaca as a quiet town which is rich in Spanish colonial architecture and would be easily reached from Mexico City.

S. Tantayanon expressed the interests of the Polymer Society of Thailand in organizing PPC-8 in Bangkok, Thailand in December, 2003. This suggestion was supported by many members including H. Chan, from Singapore, and was uniformly agreed..

C.Y. Kim suggested that the venues for conferences following PPC-8 should return to the founding member countries.

*Next Council Meeting:* The next Council Meeting would be held in Guangzhou during PPC-6.

*Closing*

F.S. Wang adjourned the meeting at 17:00 (Prepared by M Jiang)

PPF MEMBER ORGANIZATIONS

**Founding Members:**

Division of Polymer Chemistry Inc., American Chemical Society

The Society of Polymer Science, Japan

The Polymer Division, The Royal Australian Chemical Institute

**Members:**

The Macromolecular Science & Engineering Division of the Chemical Institute of  
Canada Macromolecular Division of

the Chemical Society of Chile

The Polymer Division of Chinese Chemical Society

Hong Kong Chemical Society

Indonesia Polymer Association

The Polymer Society of Korea

The Polymer and Industrial Section of the Institute of Chemistry of Malaysia

Division of Polymers and Organic Materials, Mexican Academy of Materials of Science

The Polymer Group of the New Zealand Institute of Chemistry

The Plastics and Rubber Institute of Singapore

The Polymer Society of Taipei

The Polymer Society of Thailand

Division of High Polymer Physics, The American Physical Society

Division of Polymer Science, Chemical Society of Vietnam

**Council Members:**



Ezio Rizzardo, Françoise Winnik, Wayne D. Cook, Franco Rabagliati, Fosong Wang, Tisato Kajiyama, Ming Jiang, Sung Chul Kim, Louis Man Lay Leung, Chee-Cheong Ho, M. Sugandi-Ratulangi, Takeshi Ogawa, Kazuyuki Horie, Ramiro Guerrero, James. E. McGrath, David Officer, William H. Daly, Hardy Chan, Tim Lodge,

Yu-Der Lee, Dang Van Luyen, Supawan Tantayanon.

6th PACIFIC POLYMER CONFERENCE (PPC-6), *December 7 -11, 1999*  
*Guangzhou, China*

7th Polymer Conference (PPC-7), *December 4-9, 2001*

*Oaxaca, Mexico.*

The Seventh Pacific Polymer Conference will be held on December 4-9, 2001 in the City of Oaxaca, a southern state on the Pacific Coast of the Mexican Republic. The Conference will be organized by the Mexican Polymer Society under the auspices of the Pacific Polymer Federation. The Conference will include almost every field of polymer science and technology with plenary and invited lectures together with oral and poster presentations, and we aim to have a conference of the highest scientific level with the most up to date information on polymer science and technology of the 21st Century.

The City of Oaxaca is a quiet town with Spanish colonial architecture and can be reached by a 40 minute flight from Mexico City. Oaxaca has easy access to famous prehispanic ruins, such as Monte Alban and Mitla, and also some Pacific Coast resorts, such as Huatulco, where one can enjoy unspoiled beaches as well as golfing and deep sea fishing. The climate of the City of Oaxaca is mild in December, with dry weather, lots of sunshine (about 25-30°C daytime) but very comfortable in night (10-15°C).

Although the Conference is of the Pacific Basin countries, participants from other regions are also very welcome. A Second circular will be issued at the beginning of 2000.

## Newsletter 10: Ogawa's Presidency

**PACIFIC POLYMER FEDERATION NEWSLETTER No.10 November, 2000**

*Editor: Miriam F. Beristain*

Takeshi Ogawa, **President**, Supawan Tantayanon, **Vice President**, Guillermo Burillo, **Secretary/Treasurer**.

**Members of the Council:** Ezio Rizzardo (Australia), Wayne D. Cook- (Australia), Fraticoise Winnik (Canada) Franco Rabagliati (Chile), Fosong Wang (China), Louis M.L.Leung (Hong Kong), M.S. Sugandi-Ratulang (Indonesia), Kazuyuki Horie (Japan), Tisato Kajiyama (Japan), Sung Ctiul Kim (Korea), Chee-Cheong Ho (Malasia), Ramiro Guerrero (Mexico), David Officer (New Zealand), Hardy Chan (Singapore), Yu-Der Lee (Taiwan), James E MacGrath (USA), William H. Daly (USA), Tim Lodge (USA), Dang van Luyen (Vietnam).

### **President's Message: Takeshi Ogawa**

Polymers have been the most important materials for the tremendous technological development achieved during the last century, and they will continue to be even more important for the 21st Century, especially as materials for high technology. It was a great pleasure to all of us that the Nobel Prize in Chemistry of 2000 was given to polymer scientists who worked on electrically conductive polymers. This gives us a hope that more Nobel Prizes in Chemistry will be given to polymer scientists in the future, in part because there are so many important polymeric materials yet to be developed for the benefit of mankind.

The Pacific Polymer Federation was formed in 1987 by the three founding organizations from USA, Japan and Australia, and since then the number of polymer organizations from countries of the Pacific Rim has increased to 16, and 6 Pacific Polymer Conferences have been celebrated.

The 7th Conference is going to be held for the first time in Latin America. I would like to express my sincere thanks to all council members of the past and present who supported the decision that the 7th PPC is going to be held in Mexico. Personally I would like to thank Professors O. Vogl, T. Saegusa and the late J.H. O'Donnell who

invited me to attend the council meeting as a observer at 1991 during the PPC-2 in Otsu, Japan

The PPC-7 will be held in the City of Oaxaca (pronounced *oahaka*) in December 3-7, 2001. The conference site was selected for its comfortable climate, tranquillity, various historical instruments (both colonial and pre-Columbian) and the excellent hospitality of the people of Oaxaca. I am sure that those who will attend PPC-7 will be satisfied, and we are looking forward to meeting many polymer scientists not only from the pacific membership countries but also from other regions of the world.

I send my sincere greetings to all polymer scientists and wish them success in their research and development work.

Sincerely yours,

Takeshi Ogawa, President of PPF

**Minutes of PPF Council Meeting, 8th December 1999, Garden Hotel, Guangzhou, China**

**Attendees:** H. Chan, W Cook, R Guerrero, C.C. Ho, K. Horie, M. Jiang, T. Kajiyama, S C Kim, L.M. Leung, Dang V. Luyen, T. Ogawa, F. Rabaliari, E. Rizzardo, S. Tantanon, F S Wang.

Guests: A. Abe, G. Burillo, F.C Chang, S Nakahama, K Shida, O. Vogl, J.C. Vogl, M. Xu.

*Welcoming Remarks:* F.S. Wang, President of PPF and Chairman of PPF Council, welcomed all the attendees at 15:00 and guests of the meeting and outlined the agenda. The Council Members and guests introduced then introduced themselves in turn. The minutes of the previous PPF Council meeting, held on the Gold Coast of Australia, July 15, 1998 were distributed.

*Approval of Minutes:* The minutes prepared by M Jiang of the previous PPF Council Meeting was approved with a few corrections. Changes in telephone, fax numbers and e-mail addresses of some Council Members were added.

*Member Organizations:* The Council discussed the replacement of the membership of the Division of Polymers and Organic Materials by the Mexican Polymer Society. T. Ogawa briefly explained the situation of polymer groups in Mexico. The three attendees from Mexico agreed that the Mexican Polymer Society is the sole representative from Mexico.

*PPC-6:* M. Xu of the Program Committee of PPC-6, presented the report of PPC-6. There were more than 530 participants including 130 students. The participants came from 25 countries and areas. 550 abstracts were collected in the conference reprints.

*PPC-7:* T. Ogawa reported that the contract with the venue hotels was already made. The details will be distributed through Internet web site by the end of 2000.

*PPC-8 and PPC-9:* S. Tantayanon briefly reported the preliminary plan of organizing PPC-8 in November 2003 in Bangkok. Regarding to PPC-9 in 2005, K. Horie said that Japan is always ready to organize the Pacific Polymer Conference unless another member organization has a strong interest. Some attendees suggested that PPC-9 could be held in Hawaii in 2005.

*President Election:* T. Ogawa and S. Tantayanon were unanimously elected as the President and Vice-President of PPF, respectively. Their term will begin in January 1, 2000 and terminate in December 2001.

#### *Committee Chairman*

As G.A. George is no longer a Council Member, the Council appointed E. Rizzardo as the Chairman of the Membership Committee.

*Next Council Meeting:* The next Council meeting was suggested to be held in December 2000 in Hawaii during the Pacific Chem. Conference. The Council President will host the meeting. The Chairman of the Council closed the Meeting at 19:00.

*Mexican Polymer Society:* Established in 1985.

President (2000-2001): Guillermina Burillo, Instituto de Ciencias Nucleares, UNAM.,  
President Elect (2002-2003): Angel Licea, Inst. Tec. Cd. Tijuana, Mexico.

### **PPF MEMBER ORGANIZATIONS**

**Founding Members:**

Division of Polymer Chemistry Inc., American Chemical Society

The Society of Polymer Science, Japan

The Polymer Division, The Royal Australian Chemical Institute

**Members:**

The Macromolecular Science & Engineering Division of the Chemical Institute of Canada

Macromolecular Division of the Chemical Society of Chile

The Polymer Division of the Chinese Chemical Society

Hong Kong Chemical Society

Indonesia Polymer Association

The Polymer Society of Korea

The Polymer and Industrial Section of the Institute of Chemistry of Malaysia

Division of Polymers and Organic Materials, Mexican Academy of Materials of Sciences

The Polymer Group of the New Zealand Institute of Chemistry

The Plastics and Rubber Institute of Singapore

The Polymer Society of Taipei

The Polymer Society of Thailand

Division of High Polymer Physics, The American Physical Society

Division of Polymer Science, Chemical Society of Vietnam

**7th Pacific Polymer Conference (PPC-7), December 3-7, 2001**

## **Oaxaca, Mexico.**

PPC-7 will be celebrated at Oaxaca City which is located in the south central region of Mexico, and founded in 16th Century by the Spanish *Conquistadores*. Therefore the city center consists of colonial architectures from the 16th century. The city is also in the center of precolumbian Zapoteca civilization, and various famous ruins such as Monte Alban, Mitla, and others are found around the city. The climate in Oaxaca in December is very comfortable neither hot nor cold. There are frequent flights (1 hr) from Mexico City by Aeromexico and Mexicana.

The conference includes every aspect of polymer science, including (1) Polymerization Chemistry and Technology, (2) Functional Polymers and Nanocomposites for Advanced Technology, (3) Natural and Biological Polymers (4) Polymer Characterization, and (5) Physical Properties and Processing Technology.

Several microsymbosia on special topics within the above fields will be organized.

The Hotel Mision de Los Angeles was chosen as the conference site and venue hotel, and the nearby Holiday Inn Express is also reserved for the conference. Camino Real Hotel, built in the 16th century as monastery, in the center of the city is also available for the participants interested in sleeping at ancient rooms.

Pre- and post-conference tours will be arranged, including Playas Huatulco (Pacific coast) and/or Chiapas (Maya ruins and jungle).

## **Newsletter 11: Ogawa's Presidency**

**PACIFIC POLYMER FEDERATION NEWSLETTER No. 11 December, 2001**

*Editor: Miriam F. Beristain*

Takeshi Ogawa (Universidad Nacional Autonoma de Mexico (Mexico), **President**  
Supawan Tantayanon (Chulalongkorn University Bangkok, Thailand) **Vice President**,  
Guillermina Burillo (Universidad Nacional Autonoma de Mexico, Mexico) **Secretary/  
Treasurer**

### **Members of the Council:**

Ezio Rizzardo (Australia), Wayne D. Cook (Australia), Francoise Winnik (Canada),  
Franco Rabagliati (Chile), Fosong Wang (China), Louis M.L. Leung (Hong Kong), M.  
Sugandi-Ratulangi (Indonesia), Kazuyuki Horie (Japan), Tisato Kajiyama (Japan), Sung  
Chul Kim (Korea), Chee-Cheong Ho (Malaysia), Ramiro Guerrero (Mexico), David  
Officer (New Zealand), Hardy Chan (Singapore), Yu-Der Lee (Taiwan), James E.  
McGrath (USA), William H. Daly (USA), Tim Lodge (USA), Dang Van Luyen  
(Vietnam)

### **President's Message: Takeshi Ogawa**

It is a great pleasure to welcome all the participants to the PPC-7 at Oaxaca, Mexico. For the first time, the Pacific Polymer Conference is being celebrated in Latin America, which has a very different culture from North America and Asia. We have chosen Oaxaca as the conference site because the organizers can provide the participants with a taste of its unique mixture of pre-Columbian civilization, Spanish colonial culture and typical provincial Mexican life. We chose a country style hotel as the venue for a change as all the last Pacific Polymer Conferences have been held in huge modern skyscraper hotels.

The polymer community in Mexico has been slowly but steadily developing over the last decades, and is presenting 115 papers from every institution in Mexico. This figure is below the numbers presented by host countries at the last Pacific Polymer Conferences held in countries with huge numbers of polymer scientists, such as Japan, USA, Korea and China, however, we believe that we have done our best to organize this important polymer congress.

The atrocity of September 11 has significantly changed the situation of this event. Cancellations have been received due to the fear of possible terrorism and anthrax, with people hesitating to go to Mexico through the USA even if their journey involves only a stay of a few hours at a US airport for a connection. Very unfortunately, many participants have had to give up their participation due to the recently imposed visa restrictions, and we feel very sorry for them. Fortunately, we have nearly about 400 papers being presented and these cancellations have not damaged the conference significantly.

I would like to express my sincere thanks to the Society of Polymer Science, Japan, the American Chemical Society, the Korean Polymer Society, the Chinese Polymer Society, for their efforts in trying to send us many participants, and for recommending invited speakers from their societies. We are very grateful also to those invited speakers who accepted our invitation without any financial assistance. Without them it would not be possible to achieve the high academic standard of this Pacific Polymer Conference.

I should mention also our sincere gratitude to the Instituto de Investigaciones en Materiales of the Universidad Nacional Autonoma de Mexico. (UNAM) for the sole economic assistance to this event, and the Instituto de Ciencias Nucleares of UNAM for providing us with the human resources necessary for the preparation of this event.

The organizers are very grateful to all the participants attending this meeting in spite of the turmoil since September 11. We want you to enjoy the meeting and your stay in Oaxaca.

Finally, my wish is that the relationships between the polymer societies of Latin America and the rest of the Pacific Basin societies become strengthened in future.

Sincerely yours,

Takeshi Ogawa, President. of PPF.

### **Cancellations**

The organizers of the previous Pacific Polymer Conferences probably did not have so many problems caused by cancellations at a time so close to the meeting as in this PPC-7. The majority of cancellations were received after the technical program had been



composed and after the Abstract Book had been edited and sent to the printer. The organizers had to change the program each time new cancellations arrived, and notices of cancellations continued until several days before the conference was going to begin. Therefore, the Abstract Book became complete unusual with so many cancellations stamps.

The participants from the countries, whose citizens are required to have Mexican visa, had a terrible time, and many of them had to cancel their participation, due to visa problems. Usually, the Mexican government issues visitors a visa on the basis of a letter of acceptance of a paper or a letter of invitation from the organizer. Since the atrocity of September 11, this simple system has been changed. Under the new system, the organizers have to submit visa petitions for the participants from certain countries here in Mexico through the Instituto Nacional de Inmigracion, who examine them and then advise the corresponding Mexican Embassy to authorize visa emission. You can imagine how long this process takes. Then if the participants do not have a US visa, they cannot come to Mexico through US airport. The only flight, which does not stop over at a US airport, is the direct flight

JAL 012 from Narita (Japan) to Mexico City, which stops over at Vancouver for refueling, with the passengers having to remain in the transit area of the airport. Now, the Canadian authorities have decided to impose a Canadian Transit visa for citizens of some countries. They were told that it would take 2 weeks to obtain the transit visa.

**Number of Participants:** 386, (324)

Cancellations Included cancellations of foreign nationals with problem of visa to Mexico. Participation that depended on visas to Mexico and USA, and Canadian Transit visa.

360 papers were scheduled on November 20, 2001.

Many participants from South Asia and China did not know about this change, nor did we the organizers, and when they started their visa applications it was already too late. The organizers of PPF-7 tried their best to help them so that they could visit Mexico. We received cancellations with sad letters from some of them who had given up due to this difficulty in obtaining the visa. At the time of writing this, various participants are still anxiously awaiting their visas. We sincerely hope that they will obtain their visas in

time, but if not, we express our thanks for their intention of participation, and hope they can visit our beautiful country in the near future.

The numbers of the cancellations after September 11 were over 60. The majority of them were received by the organizers during October and November. The principal reason given for the cancellations was the fear of terrorism in the USA, They were probably afraid of Bin Laden crashing Mexicana airplane on the Monte Alban ruins in Oaxaca. It is interesting to note the differences in the cancellations among the different nations.

### **Future Meetings in the Pacific Region**

- 1 American Chemical Society. Orlando, Florida, USA. April 7 - 11. 2002.
2. IUPAC World Polymer Congress 2002. 39th International Symposium on Macromolecules, July 7-12,2002 Beijing, China.
3. American Chemical Society, Boston, MA. USA August 18-22. 2002
4. XXX Congreso Latinamericano de Quimica.  
Sociedad Quimica de Mexico, September 22-26, 2002. Cancun, QR, Mexico.
5. 2nd Korea-Mexico Bilateral Polymer Forum.  
UNAM, Mexico City, November 16-20, 2002.  
Sociedad Polimerica de Mexico.
6. Simposio Latinoamericano de Polimeros. (SLAP 2002) Noviembre 10-15, 2002, Acapulco, Mexico. Sociedad Polimerica de Mexico.
7. IUPAC Polymer Conference on the Mission and Challenges of Polymer Science and Technology. (IUPAC-PC2002) December 2-5, 2002. The Society of Polymer Science, Japan.

**Sociedad Polimerica de Mexico.** Mexican Polymer Society.

Established in 1985, President (2000 - 2001) Guillermina Burillo,

Instituto de Ciencias Nucleares, Universidad Nacional Autonoma de Mexico.

## Newsletter 12: Tantayanon's Presidency

### PACIFIC POLYMER FEDERATION NEWSLETTER No. 12 July, 2002

*Editor: Pitt Supaphol*

Supawan Tantayanon (Chulalongkom University, Bangkok, Thailand), **President**, James E. McGrath (Virginia Polytechnic Institute & State University, USA.) **Vice President**, Vipavee P. Hoven (Chulalongkom University, Bangkok, Thailand), **Secretary**, Pranee Phinyocheep (Mahidol University, Bangkok, Thailand), **Treasurer**

**Members of the Council:** Ezio Rizzardo (Australia), Kazuyuki Horie (Japan), Hardy Chan (Singapore), Wayne D. Cook (Australia), Tisato Kajiyama (Japan), Yu-Der Lee (Taiwan), Francoise Winnik (Canada), Sung Chul Kim (Korea), James E. McGrath (U.S.A.), Franco Rabagliati (Chile), Chee-Cheong Ho (Malaysia), William H. Daly (U.S.A.), Fosong Wang (China), Takeshi Ogawa (Mexico), Tim Lodge (U.S.A.), Louis Man Lay Leung (China), Ramiro Guerrero (Mexico), Dang Van Luyen (Vietnam), M. Sugandi-Ratulangi (Indonesia), David Officer (New Zealand)

#### **President's Message: Supawan Tantayanon**

The former Pacific Polymer Conferences (7 total) were all very successful. They offered timely and highly practical technical information and knowledge on various aspects of Polymer Science and Technology. Such event provides a stimulating environment for individual scientist to professionally and socially mingle with hundreds of colleagues from the Pacific Polymer network. The 8th Pacific Polymer Conference (PPC-8) will be held during November 24-27 2003, in Bangkok, Thailand.

Thailand, despite of being a small country of approximately 61 millions population, is full of graceful places, ancient traditions and exotic flavors of unique cultures blend together with modern life styles of the 21th Century. Thailand is located at the heart of the South East region of Asia. Bangkok is the capital and the largest city with a population of about 10 million inhabitants. The PPC-8 will be held at one of Bangkok's fantastic and modern convention facilities.

PPC-8 will be jointly organized by the Polymer Society of Thailand and three well-known local institutions: Chulalongkom University, Mahidol University and

Rajamangala Institute of Technology. I can assure you that you will once again be very impressed at what we will have prepared for you for PPC-8.

There are many more challenges to meet, many opportunities to seize, and a lot more to learn from each other. Together we can build a unique and powerful Pacific Polymer Community based on

cooperative effort weaving together new knowledge, common interests, new values and dreams.

On behalf of the PPF, I cordially invite all of you to participate in PPC-8. I look forward to welcoming you to Bangkok, Thailand in November 2003.

Sincerely yours

Supawan Tantayanon, President of PPF

### **Minutes of PPF Council Meeting, December 4, 2001**

#### **Oaxaca, Mexico**

**Attendees:** T. Ogawa, G. Burillo, R. Ramio, T. Lodge, W.H. Daly, J.E. McGrath, T. Kajiyama, K. Horie, F. Rabagliati, E. Kumacheva, D.J. Liaw, W. Cook, D.J.T. Hill.

**Guests:** A. Abe, K. Shida, X. Mao, C. Linaya, J. Nakamatsu.

*Welcoming Remarks:* T. Ogawa, President of PPF Council, welcomed all the attendees and guests of the meeting at 19:00 and outlined the agenda. The Council Members and guests, then introduced themselves in turn. It was noted that the Council Members from Vietnam, Malaysia and New Zealand apologized for not being at this meeting. The first announcement for PPC-8 was presented.

*Approval of Minutes* .The minutes of the previous PPF Council meeting which was held on December 8,1999, in Guangzhou, China, was approved.

*Report on PPC-7:* T. Ogawa reported that the atrocity of September 11 had significantly changed the situation of this event. Cancellations had been received due to the fear of

possible terrorism and anthrax, with people hesitating to come to Mexico through the USA even if their journey involved only a stay of a few hours in a US airport for a connections. Very unfortunately, many participants had to give up their participation due to the recently imposed visa restriction, even though the organizers of PPF-7 had tried their best to help them on issued visa. There were 386 participants registered before September 11, but only about 320 participated at the conference. However, nearly 400 papers were presented. Consequently the cancellations had not damaged the conference significantly.

*Report on PPC-8:* S.Tantayanon noted that PPC-8 would be held in

Bangkok in November, 2003. The conference will be organized by the Polymer Society of Thailand and co-organized by Chulalongkorn University, Mahidol University and Rajamangara Institute of Technology. She introduced Bangkok as the fascinating city and full of graceful places as well as ancient tradition and culture.

*PPC-9 and PPC-10:* J.E. McGrath and W. Daly together announced that in the USA part of PPF would be ready to organize PPC-9 in Hawaii in 2005. D.J. Liaw expressed the interest of the Polymer Society of Taipei in organizing PPC-10. T. Kajiyama also expressed that the Polymer Society of Japan would like to hold PPC-10. Many members raised that next conference should return to the founding member countries as suggested in the previous meeting. After deliberation, the meeting unanimously agreed to hold PPC-9 in Hawaii in 2005 and the next host for PPC-10 would be discussed again in Beijing.

*President Election:* S.Tantayanon and J.E. McGrath were unanimously elected as the President and Vice-President of PPF, respectively. Their turn would begin in January 1, 2002 and terminate in December 31, 2003

*Next Council Meeting:* The next Council Meeting was suggested to be held in July, 2002 in Beijing during the IUPAC World Polymer Congress 2002. The Polymer Division, Chinese Chemical Society would host the meeting.

*Others:* The question on whether it was an agreement that the PPC organizer should provide the honorarium for the invited lecturers nominated from each society, had been raised. The meeting understood that there was no such agreement and it should be up to each organizer to handle.

*Closing:* T. Ogawa adjourned the meeting at 20:00; the minutes were recorded by Pitt Supaphol.

## Newsletter 13: Tantayanon's Presidency

### PACIFIC POLYMER FEDERATION NEWSLETTER No. 13

November 24-27, 2003

*Editor: Varawut Tangpasutadol*

Supawan Tantayanon (Chulalongkom University, Bangkok, Thailand), **President**, James E. McGrath (Virginia Polytechnic Institute & State University, USA.) **Vice President**, Vipavee P. Hoven (Chulalongkom University, Bangkok, Thailand), **Secretary**, Pranee Phinyocheep (Mahidol University, Bangkok, Thailand), **Treasurer**

**Members of the Council:** Graeme Moad (Australia), Mitsuo Sawamoto (Japan), Hardy Chan (Singapore), Wayne D. Cook (Australia), Tisato Kajiyama (Japan), Yu-Der Lee (Taiwan), Francoise Winnik (Canada), Sung Chul Kim (Korea), William H. Daly (U.S.A.), Franco Rabagliati (Chile), Chee-Cheong Ho (Malaysia), Fosong Wang (China), Takeshi Ogawa (Mexico), Tim Lodge (U.S.A.), Louis Man Lay Leung (China), Ramiro Guerrero (Mexico), Dang Van Luyen (Vietnam), M. Sugandi-Ratulangi (Indonesia), David Officer (New Zealand)

#### **President's Message: Supawan Tantayanon**

In the present rapidly changing world, there must need more cooperation and collaboration in sharing knowledge and information. Part of the long-term strategy of the Pacific Polymer Federation to foster and develop excellence in polymer science and technology in Pacific Basin is through the biennial Pacific Polymer Conference. As the past 7 successful conferences, it has been proved the vital role of the Federation on building the Pacific Polymer Community. They offered timely and highly practical technical information and knowledge on various aspects of polymer science and technology.

The 8th Pacific Polymer Conference (PPC-8) is not only being held for the first time in Thailand but also in South East Asia. This opportunity provides a stimulating environment for individual scientist as well as the young scientists in this region to professionally and socially mingle with hundreds of colleagues from the Pacific Basin polymer network and the other region of the world. You will find PPC-8 to be one of the most comprehensive and diverse technical programs in a



stimulating and broadening friendly environment through cross-disciplinary mix of vast culture and scientific interest.

On behalf of The Pacific Polymer Federation, I wish all of you successes in your fields, prosperities and good health.

Supawan Tantayanon, President of PPF

**Minutes of PPF Council Meeting, Beijing International Convention Center Beijing, China, 17.00 - 19.00, July 8, 2002**

**Attendees:** S. Tantayanon, C.C. Ho, D. Officer, F. Wang, F. Rabagliati, G.A. George, H. Chan, K. Horie, M. Sawamoto, S.C. Kim, T. Ogawa, V.P. Hoven, T. Kajiyama

**Guests:** A. Abe, C. Y. Kim, R. Quijada, K. Kenshida

*Welcoming Remarks:* S. Tantayanon, the President of PPF welcomed the Council Members and guests at 19:00 on July 8 2002. The council members and guests then introduced themselves in turn. S. Tantayanon as the chairperson outlined the meeting agenda and made a remark that there were no representatives from Canada, USA, Indonesia and Vietnam at the Meeting.

*Approval of Minutes:* The previous PPF Council Meeting held on December 4, 2001 in Oaxaca, Mexico was sought for approval. After minor corrections of two name spellings, J.E. McGrath and W.H. Daly, the minutes were approved by the Council Members.

*Report on PPC-8 and PPC-9:* V.P. Hoven reported that the organizing committee of PPC-8 has finalized the conference schedule and the venue. The conference was scheduled to be held on November 24-27, 2003 at Queen Sirikit National Convention Center, Bangkok, Thailand. There would be four microsymbioses organized concurrently with the main scientific sessions. Details were listed in the second announcement. S. Tantayanon as the Chairperson of PPC-8 Organizing Committee suggested that each member country should propose the list of invited speakers and submit it to the Organizing Committee by the end of September to be in time for the publication of the third announcement.

Since there were no representatives from USA, no information was updated on the status of PPC-9 organization.

*Election of PPC-10 host:* M. Sawamoto announced that Japan was ready and would be honored to organize PPC-10. Nara was proposed as an alternatively attractive site to hold the conference, besides the renowned cities as Tokyo, Kyoto, Osaka. Since Nara located in a close vicinity of other large cities such as Tokyo, Kyoto and Osaka, it would be conveniently accessible via express train and JR. Nara, one, the oldest capital of Japan was fully decorated by magnificent historical architectures as well as preserved nature. It was then a perfect location for both scientific and non-scientific activities. An overview of Nara-Ken new Public Hall as a tentative venue was briefly presented. Two-story and one roof building could accommodate a medium-sized conference with up to 500 people. A relatively large hall was appropriate for Opening/Closing ceremony and plenary lecture. There were a number of medium-sized rooms suitable for small meeting and poster presentation. It was also very close to shopping area and hotels. After deliberation, the meeting unanimously voted Japan as a host for PPC-10 and agreed to hold PPC-10 in Nara in 2007.

Representatives from Australia, Taiwan (China), Chile and Korea all expressed their interest to hold PPC-11 in 2009. After extensive discussion, it was suggested that it is too early to decide on which member country should be the host for these PPC Conferences. The Council Meeting agreed to postpone the decision on the issue regarding the host of PPC-11 until the next Council Meeting in Bangkok during PPC-8 in November, 2003.

*Next Council Meeting:* The next council meeting was scheduled to be held in November, 2003 in Bangkok during PPC-8. The Polymer Society of Thailand will be the host of the meeting.

*Others:* S. Tantayanon announced that PPF will co-host the symposium entitled "Macromolecules in the 21st Century" which will be held in Vienna, Austria on October 7-9, 2002. The symposium is under the auspices of Austrian Trade Association and Society of the Chemical Industry (Austria).

The issue related to the revision of PPF constitution on a number of aspects was raised by several council members. A. Abe suggested that the constitution was lastly updated during PPC-5 when he was the president. M. Sawamoto and S.C. Kim offered to bring an original constitution and an updated constitution from PPC-5, respectively to the next Council Meeting. There should be also a subcommittee responsible for the revision. The meeting agreed to discuss about this issue in the next Council Meeting in Bangkok.

Several Council Members also commented that there was some wrong information and spelling in the list of Council Members. S. Tantayanon suggested that each country member should send the correct information in order to make a revised official list. D. Officer requested PPF to endorse The International Polymer Symposium which would be held in Australia, a week before.

## **PPF CONSTITUTION, up-date**

### **1. NAME AND OBJECTIVE**

*The name of the organization shall be the Pacific Polymer Federation, hereafter called the FEDERATION; it shall be an organization to advance and benefit polymer science and technology.*

- 1.2 The objectives of the FEDERATION shall be to encourage and facilitate; (i) Interaction between polymer organizations involving the Pacific; (ii) Exchange of scientific knowledge, participation in national polymer meetings, and visits by polymer scientists of the Pacific.*

### **2. MEMBERSHIP OF THE FEDERATION**

- 2.1 The founding members of the FEDERATION shall be; (i) The Society of Polymer Science, Japan; (ii) The Division of Polymer Chemistry, Inc., American Chemical Society; (iii) The Polymer Division of the Royal Australian Chemical Institute.*
- 2.2 Membership of the FEDERATION shall be open to all societies and associations of scientists and engineers, geographically situated in, or near, the Pacific Basin, which have at least part of their activities devoted to polymer science and / or technology.*
- 2.3 Member of organizations shall not be committed by any action in conflict with their charters, constitutions, or bylaws or those of their parent organizations.*
- 2.4 Other societies or associations, meeting the requirements of Sections 2.2, shall be encouraged to join the FEDERATION. These societies or associations may apply to join the FEDERATION by sending its application to the Council (defined by Section 3.2). The organization will be admitted by a vote of at least two-thirds of the Council. The membership will become effective on January 1, following the vote of admission.*
- 2.5 There shall be no regular annual subscription required of member organizations,*
- 2.6 A member organization may resign from the FEDERATION by submitting its resignation in writing to the President of the FEDERATION at least one year in advance.*

### **3. ORGANIZATION AND ADMINISTRATION**

- 3.1 The operating year shall be from January 1 through December 31.*

### 3.2 Council

*i. The FEDERATION shall be administered by a Council. ii. Each of the founding organizations shall have two representatives, the organization responsible for the next Pacific Polymer Conference and the organization responsible for the Conference following that shall have two*

*representatives respectively, and each of the other member organizations shall have one representative on the Council. iii. The Council shall elect a President, a Vice-President and a Secretary-Treasurer for a term of two years. One reelection shall be permitted.*

*iv. The Council shall appoint all committees and committee members to conduct such matters as may be delegated to them.*

### 3.3 Duties of the Council

*i. The Council shall conduct all the business of the FEDERATION.*

*ii. Decisions of the Council must be by a majority vote, with a minimum of one half the total Council members constituting a quorum for the vote.*

*iii. No Council decisions requiring a specific course of action by a participating organization shall be valid without the approval of the members or proxy delegates of that organization. iv. Expenses of the Council members incurred through participation in Council meetings may be provided by the treasury of the FEDERATION or the member organization.*

### 3.4 Officers

*The officers of the FEDERATION shall be the President, the Vice-President, and the Secretary-Treasurer.*

### 3.5 President

*i. The President shall be elected by the FEDERATION Council as stated in Section 3.2. The President shall be the chair of the Council.*

*The duties of the President shall be to coordinate the activities of the FEDERATION and to maintain contact with the member organization through their representatives on the Council. The President shall prepare an annual report on the activities of the FEDERATION.*

*iii. In the case of President's inability to serve, his duties shall be assumed by the Vice-President until a new President is elected by the Council.*

*3.6 Vice-President The Vice-President shall be elected by the FEDERATION Council from its members as stated in Section 3.2.iii. In the absence of the President, the duties of the office shall be assumed by the Vice-President.*

### 3.7 Secretary-Treasurer

*The Secretary-Treasurer shall be elected by the FEDERATION Council from its members as stated in Section 3.2.iii.*

### 3.8 Committees

*All Committees and committee chairs shall be appointed by the Council. Expenses incurred in performing their duties will be home when possible by the organizations to which the individual members belong.*

## 4. FINANCIAL BUSINESS

*ne FEDERATION shall cover its activities through the support by external funds. Such funds may be used for attendance of representatives at Council meetings, and/or to sponsor FEDERATION activities. The President shall report the financial status of the FEDERATION at every Council meeting. The extent of the activities of the FEDERATION shall be determined annually by the Council of the FEDERATION.*

## 5. OPERATION OF THE FEDERATION

5.1 *The Council of the FEDERATION shall be operated by regularly scheduled meetings and bycorrespondence. A council meeting shall be held at each Pacific Polymer Conference and at such other times as determined by a majority of Council members or by the President of the FEDERATION. A member organization may appoint properly qualified proxy delegate(s), who will have voting right(s), to attend meetings of the Council.*

5.2 *The FEDERATION may organize international meetings or conferences on any aspect of polymer science and technology. The organization of conferences may involve all or some of the member organization of the FEDERATION.*

*These may be of the following types:*

*i.Meetings of the international standing and interest Organized by national bodies and sponsored by the FEDERATION. To achieve FEDERATION sponsorship, a plan of the meeting must be submitted to the President of the FEDERATION for consideration by the Council, which may suggest modifications bt'-tore approval is given. The financial management of the meeting shall be the responsibility of the organizing national body. Members of all national bodies affiliated to the FEDERATION who wish to attend a meeting sponsored by the FEDERATION shall be treated as if they were members of the organizing national body,*

*ii.Meetings of international interest, conceived and promoted by the Council. Although the initiative of such meetings shall reside with the Council, the organization of such meetings shall be delegated to the Council members of the chosen country of venue. The financing of the meetings, together with the acceptance of any profit or loss, may be accepted by the participating body or bodies of the hosting country.*

*Alternatively, the financing may be organized by the Council through external funding.*

*iii. The Council shall organize the Pacific Polymer Conference every two years according to Section 5.2,ii.*

- 5.3 *The policy of the FEDERATION toward publication of the proceedings of any of its meetings shall be determined principally by the publication policy of the organizing national body or bodies. Prominent recognition of the FEDERATION sponsorship shall accompany all such publications.*
- 5.4 *The FEDERATION may produce a bulletin (or other forms of information) for distribution to members and other interested organizations.*
- 5.5 *The Council may plan and execute other activities of interest to the FEDERATION.*

## **6. AMENDMENTS OF THE CONSTITUTION**

*Any member organizations of the FEDERATION may propose an amendment to the Constitution of the FEDERATION by submitting it in Writing to the President of the FEDERATION. Adoption of an amendment to the Constitution shall require an affirmative vote of two-thirds of the Council.*

## **7. DISSOLUTION OF THE FEDERATION**

*The FEDERATION may be dissolved only by a unanimous vote of the Council of the FEDERATION prior to dissolution of the FEDERATION. All debts of the FEDERATION must be discharged and all its affairs settled.*

*Established: October 19, 1987 (Tokyo, Japan)*

*Amended: December 14, 1993 (GOLD Coast, Australia)*

*Amended: August 6, 1996 (Seoul, Korea)*

## **PACIFIC POLYMER CONFERENCE - PPF-8**

November 24-27, 2003 in Bangkok, Thailand:

Pre-registration: 30 countries, Expected Attendance 400 plus 390 Thai.

