

# 39th IUPAC General Assembly

**IUPAC General Assemblies are held in odd-numbered years. This year, the 39th General Assembly, will take place at the University of Geneva, Switzerland, 23–30 August. The General Assembly follows immediately after the 36th IUPAC Congress to allow participants to attend both events.**

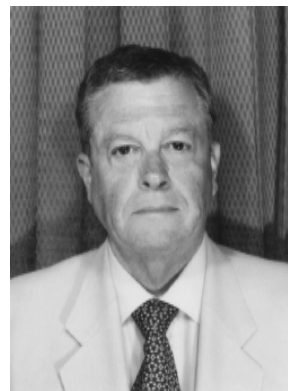
*Prof. Jacques Weber, Chairman of the local Organizing Committee in Switzerland, writes:*

The IUPAC General Assembly has little in common with a scientific conference or congress. It is indeed not open for general participation but restricted to Members of IUPAC Bodies that meet on this occasion. This is the case for practically all the IUPAC Committees and Commissions, which meet during the first half of the General Assembly, followed by the meeting of the IUPAC Council (see page 97).

The average attendance at these General Assemblies is 600–700 participants, the major problem being that the meeting of all the IUPAC Bodies may require the simultaneous use of up to 50 seminar rooms of various capacities (typically 10–30 seats) on the same site! In view of this constraint, it rapidly appeared that the University of Geneva was an ideal location for the General Assembly, especially as the modern Uni Mail Building offers very good facilities of that sort. Both Sciences II and Uni Mail Buildings will therefore share the venue of the General Assembly, with 26 meeting rooms re-

served in the first facility and 24 in the second. These buildings lie quite close to one another, at a 10-minute walking distance, which should not be a problem for the delegates. In addition, both buildings are modern with large open spaces, ample photocopying capacity, and availability of computer rooms and cafeterias.

The whole scientific programme of the General As-



**Prof. Jaques Weber**

sembly is prepared by IUPAC itself, the local organizers being in charge of the accommodation, administrative secretariat, meeting rooms, social programme and financing. Indeed, as far as the latter point is concerned, the rule is that the host country finances the General Assembly, IUPAC making a financial contribution towards the subsistence and travel expenses of its Titular Members.

The first IUPAC General Assembly was organized in Rome in 1920; the most recent took place in Guildford, UK, in 1995. The IUPAC General Assemblies have been held three times before in Switzerland (Lucerne/Zürich, 1936; Zürich, 1955; Davos, 1979). A local Organizing Committee for the IUPAC Congress and General Assembly was set up by the New Swiss Chemical Society (NSCS) in March 1995. This followed a visit to Geneva of several members of the Oxford IUPAC Secretariat who found adequate both the venues chosen for the events and the conditions of accommodation.

In May 1995, the decision was made by IUPAC to hold the 39th General Assembly in Geneva. The decision was made in July 1995 also to hold the 36th IUPAC Congress in Geneva. The organizers expect that the competence and enthusiasm of the volunteers (students and staff of the Section of Chemistry of the University of Geneva) will lead to a successful 39th IUPAC General Assembly.

Adapted from *Chimia* 1996, **50**(6).

## 39th IUPAC Council Meeting

University of Geneva, Switzerland  
29–30 August 1997

### Election of Officers and Bureau Members

According to Statute 5.401, Council must elect:

- (i) Officers of the Union
- (ii) Elected Members of the Bureau

Nominations for the various positions that fall vacant at the end of 1997 must be received by the Secretary General at the IUPAC Secretariat before 29 June 1997, i.e. two months before the start of the Council meeting (Bylaw 2.221). The situation for each position (as this issue went to press on 20 June) is set out on pages 98–104:

#### *President*

Prof. J. Jortner (Israel), Vice-President and President-Elect, becomes President on 1 January 1998 (Statute 4.2).

#### *Vice-President—Vacancy*

The Vice-President to be elected at the 39th Council Meeting will be President-Elect, and will become President on 1 January 2000.

## Council Agenda

- 
- 1 Introductory Remarks and Finalization of Agenda
  - 2 Approval of Minutes of 38th Council Meeting and Matters Arising
  - 3 Ratification of Decisions Taken by Bureau and Executive Committee since 38th General Assembly
  - 4 Announcement of Nominations for Union Officers and Bureau Members
  - 5 Announcement of Time of Elections
  - 6 Statutory Report of President on State of Union
  - 7 Report of Secretary General
  - 8 Biennial Report of Treasurer/Report of Finance Committee and Accounts for 1995–6/Appointment of Auditors for 1997–8
  - 9 Reports of Division Presidents (10 minutes each)
  - 10 Report of Committee on Printed and Electronic Publications (10 minutes only)
  - 11 Report of CHEMRAWN Committee (10 minutes only)
  - 12 Report of Committee on Chemistry and Industry (10 minutes only)
  - 13 Report of Committee on Teaching of Chemistry (10 minutes only)
  - 14 Report on and Review of Affiliate Membership Programme
  - 15 Proposed Changes to Statutes and Bylaws
  - 16 Continuation/Dissolution of Existing IUPAC Bodies, Proposals for New and Reconstituted Bodies/Terms of Reference
  - 17 Proposals Formally Received from National Adhering Organizations
  - 18 Ratification of Dates and Places of 40th General Assembly and 37th Congress (1999)
  - 19 Budget Proposal and National Subscriptions for 1998–9
  - 20 Election of Union Officers and Bureau Members and Approval of Elected Officers of Divisions
  - 21 Provisional Places of 41st General Assembly and 38th Congress (2001)
  - 22 Applications for Membership of IUPAC
  - 23 Applications for Associated Organization Status of IUPAC and Review of Existing Associated Organizations
  - 24 Adoption of Recommendations on Nomenclature and Symbols
  - 25 Important Matters Discussed by Bureau at 39th General Assembly Not Covered by Items on Council Agenda
  - 26 Any Other Business (discussion only)
-

Nominations for Vice-President received (as at 20 June 1997) are: Prof. P.S. Steyn (South Africa) and Dr A. Hayes (UK).

*Prof. Pieter S. Steyn (South Africa)*

Pieter Streicher Steyn was born on 5 January 1940 in Vryburg, Cape Province, Republic of South Africa. He is married with three children.

*Education and Career:* Prof. Steyn studied at the University of Stellenbosch, Stellenbosch: BSc, 1959; BSc (Hons), 1962; MSc (*cum laude*), 1963, and then at the University of South Africa: PhD, 1966. In 1967 he was awarded a Post-doctoral Fellowship at the School of Pharmacy of the University of Wisconsin, Madison, USA. He was appointed to the National Chemical Research Laboratory, CSIR in 1964 where he became Head of the Division of Organic Chemistry in 1983. From 1986 to 1987 he was Chief Director of the National Food Research Institute, CSIR, and from 1987 to 1992 he was Director of the Division of Food Science and Technology, CSIR. In December 1992, Prof. Steyn was appointed the first CSIR Fellow, this being the highest career position in science within the CSIR. In October 1993, he was appointed Head of the SASOL Centre for Chemistry, SASOL Professor of Chemistry and Director of the SASOL Centre of Separation Technology at the Potchefstroom University for Christian Higher Education.

*Research Interests:* Prof. Steyn's research career has been devoted to the isolation, analysis, structure elucidation, synthesis and biosynthesis of mycotoxins and, to some extent, other toxic and medicinal substances from plants. This research has been undertaken with numerous groups within South Africa and with research groups in Australia, Europe, Japan, New Zealand and the USA. Prof. Steyn has authored or co-authored 153 scientific papers and 20 reviews.

*Offices and Assignments:* These include: Elected one of 54 Founder Members of the Academy of Science of South Africa (1994-present); Vice-President of the

South African Joint Council of Scientific Societies (1985–86); President of the South African Joint Council of Scientific Societies (1986–87) and President of the International Association for Cereal Science and Technology, Vienna (1992–94).

Since 1967, Prof. Steyn has given lectures at the Conventions of the South African Chemical Institute, at the Specialist Conference on Organic Chemistry, and been invited to speak at numerous international meetings.

*IUPAC Activities:* Member of the South African National Committee for IUPAC (1973–present); Associate Member of the Food Contaminants Commission (1973–1978); Titular Member of the Food Chemistry Commission VI.1 (1979–1987); Vice-Chairman of the Food Chemistry Commission VI.1 (1983–1987); Member of the Applied Chemistry Division (1987–1997) and Vice-President (1989–1991); Member of the Bureau (1991–1995); President of the Applied Chemistry Division (1991–1995); Member of the Division Committee of the Division of Chemistry and the Environment (1996–1997); Elected Member of the Bureau and the Executive Committee (1996–1999); Member of the Editorial Advisory Board of Chemistry in the 21st Century (1991–present); Member of the Committee on Publications and Electronic Printing (1996–1999); Member of the Committee on the Teaching of Chemistry (1996–1999); Member of the International Scientific Advisory Committees for the IUPAC Mycotoxin Symposia held in Paris (1976), Lausanne (1979), Vienna (1982), Pretoria (1985), Tokyo (1988), Mexico City (1992) and Rome (1996); Chairman of scientific sessions at most of the IUPAC Mycotoxin Symposia; Member of the Organizing Committee of the 13th IUPAC Symposium on the Chemistry of Natural Products, Pretoria, August 1982, and Chairman of the Finance Committee; Chairman of the Organizing Committee of the Sixth IUPAC Symposium on Mycotoxins and Phycotoxins, Pretoria, 22–25 July 1985 and Chairman of the Finance Committee; Organizing Chairman of the IUPAC Symposium: A Sustainable Environment—National and International Perspectives, Pretoria, December 1996; Member of the South African Delegation to IUPAC Council Meetings at München, Germany (1973); Madrid, Spain (1975); Warsaw, Poland (1977); Davos, Switzerland (1979); Leuven, Belgium (1981); Lyngby, Denmark (1983); Lyon, France (1985); Boston, USA (1987); Lund, Sweden (1989); Hamburg, Germany (1991); Lisbon, Portugal (1993); Guildford, UK (1995) and Geneva, Switzerland (1997).

*Awards:* Raikes Gold Medal of the South African Chemical Institute (1975), Gold Medal of the South African Chemical Institute (1987), CSIR Merit Prize (1987)—top award of the CSIR, Havenga Gold Medal



**Prof. Pieter S. Steyn**

for Chemistry (1992) from *Die Suid-Afrikaanse Akademie vir Wetenskap en Kuns*, and Friedrich Schweizer Medal (1993) from the International Association for Cereal Science and Technology, Vienna.

*Dr Alan Hayes CBE DL BSc(Gen) BSc (Spec Chem) PhD*

Date of birth: 12 June 1930, Manchester, UK

Educated in the public system in Manchester including Technical School. Left school at 15 years of age and joined ICI in the Dyestuffs Division as a 'Lab Boy'.

Through study at evening and part time day classes at the Royal Technical College, Salford (now Salford University) obtained a BSc (Gen) 2nd Class and a BSc (Spec Chem) 1st Class, both London University External.

During this period, he had transferred to the Pharmaceutical Division of ICI and after National Service the company sent him to work in Lord Todd's Laboratory in Cambridge, where he obtained a PhD on the subject of 'Synthetic Approaches to Porphyrins and Corrins' after two years.

Dr Hayes returned to work in the Chemistry Research Department of the ICI Pharmaceuticals Division and after four years was appointed Senior Scientist, then transferred to Biochemical Pharmacology, where he became Section Manager and then Biochemistry Research Manager after which Manager of Pharmaceutical Formulation, Analytical Development Quality Assurance and Control.

In 1973 Dr Hayes was appointed to the Board of the Pharmaceutical business and after doing service and marketing jobs he was appointed Deputy Chairman with responsibility for all Research, Technical and Medical matters.

In 1979 Dr Hayes was appointed Chairman of the Plant Protection Division of ICI with responsibility for all aspects of Research, Development, Production, Distribution, Marketing and Sales worldwide. By the time he retired in 1992 this business was achieving sales of \$1.8bn and spending over \$160m on R&D. Dr Hayes



**Dr Alan Hayes**

was also instrumental in founding ICI's entry into the Seeds Business and the expansion of its bioscience research. For a spell of two years in the period 1983–85 Dr Hayes served as Chief Planner for ICI in its Head Office organization. During his time in Agrochemicals he served two years as the President of the international trade association GIFAP.

Since his retirement Dr Hayes has served as a non-executive Director on several Company Boards and also serves as Chairman of a local independent hospital. In addition, he is a member of the Council of the University of Surrey and of its Finance and Professional Training Committees. He is also Chairman of the Research Park Executive at Surrey University. He is Chairman of the Governing Body of the Chichester Institute of Higher Education.

Activity in scientific societies includes being a Fellow of the Royal Society of Chemistry and membership of the RSC's Science Affairs Board and its Finance Committee as well as being Chairman of Trustees of the Staff Pension Fund. Dr Hayes was President of the Society of Chemical Industry for 1994–96.

With regard to involvement in the affairs of IUPAC, this has largely been with the CHEMRAWN Committee and via that as an ex-officio member of the Bureau; Dr Hayes has also served as a member of the UK delegation to the General Assembly on several occasions.

Dr Hayes' first meeting with the Committee was immediately after CHEMRAWN III in the Hague, the Netherlands. Since then, he says, it has been 'a fascinating but at the same time a frustrating experience'. 'I have enjoyed immensely working with my colleagues on the Committee and I do feel that the whole CHEMRAWN enterprise has been well supported by the members of IUPAC and it has been good for the image of IUPAC. I am sure that in the next phase of its development it can go on to even greater achievements, especially if we can collaborate effectively with the international agencies and other international scientific unions. It has been a great privilege to serve as Deputy Chairman and latterly as Chairman of such a hard working and supportive group of colleagues.'

### **Past-President**

The retiring President, Prof. A.E. Fischli (Switzerland), will remain an Officer (Statute 6.1) and a member of the Bureau for a period of two years (Statute 7.2).

### **Secretary General—No vacancy**

Dr E.D. Becker (USA), the present Secretary General, is elected for the period 1996–1999.

### Treasurer—Vacancy

Prof. J.M. Ward (UK), the present Treasurer, completes six years (1992–1997) of service, but he has decided not to stand for a final two years (Statute 6.52).

No nomination for Treasurer had been received as at 20 June 1997.

### Bureau—Six vacancies (minimum)

According to Statute 7.2 the Bureau consists of the Officers, the Presidents of the Divisions/Sections, together with not less than ten other members elected by Council, who shall be known as 'Elected Members'. At the conclusion of the 38th Council in Guildford, there were ten Elected Members of the Bureau. At the 39th Council the Bureau will make recommendations to Council as to the number of Elected Members (ten or more), who should be on the Bureau for the succeeding two years.

Elected Members are elected for a period of four years, and they are eligible for election for a second period of four years.

No Adhering Organization shall have more than one Elected Member of the Bureau.

Statute 7.2 also states that 'the principle of fair geographic representation of Members shall be taken into account'.

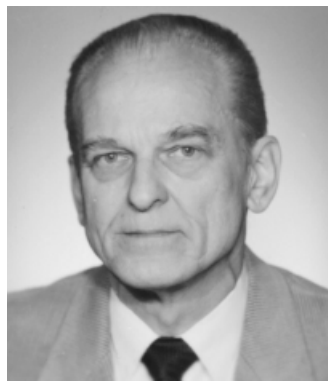
Nominations for Bureau received (as at 20 June 1997) are: Prof. P. Kratochvil (Czech Republic), Prof. G.J. Leigh (UK), Dr E.P. Przybylowicz (USA), Prof. L.K. Sydnes (Norway)—reappointment, and Prof. C.-H. Zhang (China)—reappointment.

#### *Prof. Pavel Kratochvil (Czech Republic)*

Prof. Pavel Kratochvil was born in Prague in 1930. Since 1990 he has been the Director of the Institute of Macromolecular Chemistry of the Academy of Sciences of the Czech Republic, one of the major institutes devoted to basic research in polymer science worldwide. He is also Professor of Macromolecular Chemistry at the Institute of Chemical Technology in Prague.

In 1953, he became a Master of Science in Chemical Engineering at the Institute of Chemical Technology in Prague. Until 1957 he was Lecturer on physico-chemical principles of technological processes at the Institute of Chemical Technology in Pardubice. In 1957, Kratochvil joined the Institute of Macromolecular Chemistry of the then Czechoslovak Academy of Sciences, where he has remained. In 1960, he obtained his PhD and in 1968 a DSc, both from the Academy. His main field of activity is the physical chemistry of polymers, particularly the investigation of solution properties of polymers and copolymers, and light scattering from polymer solutions.

Kratochvil is the author of more than 180 original



**Prof. Pavel Kratochvil**

communications in international journals, ten reviews, one monograph and five contributions to monographs. He has presented about 240 invited lectures and communications at international scientific meetings and lectures at foreign universities and research institutions.

Kratochvil is a Founding Member of the Learned Society of the Czech Republic, Fellow of the Royal Society of Chemistry, UK, and a member of numerous boards, both national and international, among others the Czech National Committee for UNESCO and editorial boards of international technical journals. He is the holder of the Czechoslovak National Prize for Science in 1970 and of the Prize of the Czechoslovak Academy of Sciences in 1977. He has spent his sabbatical leaves as a visiting scientist or visiting professor in Canada, Germany, India, Mexico, Russia, Sweden and the USA.

Within IUPAC, Kratochvil started his activities as an observer in the Commission on Macromolecular Nomenclature in 1977. He was elected a Titular Member of this Commission in 1979 and served as its Chairman from 1985 to 1991. In the years 1985–1995 he was a Member of the Interdivisional Committee on Nomenclature and Symbols. He became a Member of the Macromolecular Division Committee in 1994. He has been closely involved in various IUPAC-sponsored meetings in Prague, including the International Symposium on Macromolecules in 1965 and 1992, being the Chairman of the latter one, and most of the Prague Meetings on Macromolecules (Microsymposia and Discussion Conferences) over the last 30 years. He has acted as the IUPAC official representative at about ten meetings. Kratochvil serves as the Chairman of the Czech National Committee for Chemistry, the IUPAC National Adhering Organization of the Czech Republic.

#### *Prof. G. Jeffery Leigh (UK)*

Prof. Leigh was born on 4 September 1934, and is married with two children.

*Education and Career.* Studied at University of London, King's College, graduating as top student in 1956,

and taking his PhD in silicon chemistry three years later. Appointed Lecturer in Chemistry in the Faculty of the University of Manchester Institute of Science and Technology (UMIST) in 1959, where he remained for six years, though one was spent on a sabbatical year as a CIBA Fellow with Prof. E.O. Fischer at the University of Munich, Germany.

In 1965, he moved to the University of Sussex, to join the Nitrogen Fixation Unit recently established by Prof. Joseph Chatt. As a coordination chemist, he studied the complex chemistry of dinitrogen as a model for the chemistry of nitrogenases. Under his direct supervision the chemistry group at the Unit became the leading laboratory on dinitrogen chemistry, and Prof. Leigh has now published some 250 scientific papers and supervised about 25 doctoral students. He is probably the world's leading authority on dinitrogen complex chemistry. He left the Nitrogen Fixation Laboratory as Deputy Director in 1994, to become the first Professor of Environmental Science in the University of Sussex. His work has been widely recognized, not least by Her Majesty the Queen by the award of an OBE for services to science. He has lectured in universities and at conferences all over the world, in English or in French, German, or Spanish when appropriate.

*Related Professional Activities:* Prof. Leigh has been involved in editing and publishing for many years, and has acted as a Deputy Editor of the *Journal of Organometallic Chemistry*, and as Chairman of the Editorial Board of *Dalton Transactions*. He has also served on the Boards of *Inorganic Biochemistry*, *Inorganica Chimica Acta*, and *Reaction Kinetics and Catalysis Letters*. Within the Royal Society of Chemistry, Prof. Leigh was instrumental in setting up the current system of Editorial Boards, and was founder Chairman of the Inorganic Biochemistry Discussion Group. He has also been Vice-President of the Dalton Division of the Royal Society of Chemistry.

*IUPAC Record:* Prof. Leigh has been involved in IUPAC activities for about 25 years and has accumulated a wealth of experience at all levels of the organiza-

tion. He joined the Commission for the Nomenclature of Inorganic Chemistry in the late 1960s, and served as Associated and Titular Member before becoming Secretary for eight years. His major achievement was editing the 1990 version of the Nomenclature of Inorganic Chemistry. Subsequently, he moved to the Inorganic Division Committee, and has been Secretary and Vice-President for four year terms, and is currently finishing a two-year term as President. Not only is he editing an IUPAC book on the Principles of Nomenclature that will be published shortly, but he has also been very active in attempting to resolve the impasse over the names of the transfermium elements.

*Dr Edwin (Ed) P. Przybylowicz (USA)*

In 1991, after over 35 years with the Eastman Kodak Company, Dr Przybylowicz retired as Senior Vice-President and Director of Research. He joined Kodak as a Research Chemist in the Chemistry Division at the Research Laboratories in September 1956. During his career he had increasing technical and managerial responsibilities in the basic sciences, engineering, product development as well as the Clinical and Copy Products businesses. He became Assistant Director, Kodak Research Laboratories in 1983, was named Director of Research and elected a Senior Vice-President of the company in August 1985.

Dr Przybylowicz has been active in a number of programmes which are focused on the commercialization of technology and in stimulating closer working relationships between industry and academia. He is a Member of the Board of the New York State Science and Technology Foundation, a state foundation which has programmes designed to stimulate the transfer of technology between universities and industry. He is also a Commissioner of the US-Polish Joint Fund for Cooperation in Science and Engineering, a programme which fosters the collaboration of Polish and US scientists. Over the past three years he has co-chaired conferences and workshops on technology transfer in Poland, the Czech Republic and Russia.



Prof. G. Jeffery Leigh



Dr Edwin (Ed) P. Przybylowicz

From April 1994 to March 1996, Dr Przybylowicz was Director of the Chester F. Carlson Center for Imaging Science at the Rochester Institute of Technology. In March 1996 he became Assistant to the Dean, College of Science, Rochester Institute of Technology.

A native of Detroit, Michigan, Dr Przybylowicz received a BS degree in chemistry from the University of Michigan and a PhD degree in analytical chemistry from Massachusetts Institute of Technology. He has published over 20 technical articles and two books in the field of chemistry and photography and holds four patents in related fields.

Dr Przybylowicz was elected a Member of the National Academy of Engineering in 1990 and is active on a number of National Research Council committees. He is an Emeritus Member of the Industrial Research Institute. He also serves on a number of university visiting committees in engineering and the sciences.

Since 1993, Dr Przybylowicz has been a member of the IUPAC Finance Committee where he has helped to strengthen the financial condition of the Union through an improved investment strategy. IUPAC investments are used to keep the Union's operations stable and progressing towards the goals of the Divisions. His active participation in IUPAC affairs is another indicator of his international interests.

He is recipient of a number of awards. The Rochester Engineering Society awarded him the 1992 Leo East Award as 'Engineer of the Year'. In 1993 he was the recipient of the Greater Rochester Chamber of Commerce 'Civic Award in Science and Technology'; the 1994 recipient of the Distinguished Alumni Award from the University of Michigan, Department of Chemistry. In 1995 he was elected Honorary Member of the Society for Imaging Science and Technology for 'his life-long contributions to the advancement of imaging science and engineering, from his technical contributions at Kodak, to his work to enhance industry/university/government cooperation and to expand education in imaging'. In 1996, he was awarded the Malcolm E. Pruitt Award of the Council on Chemical Research for the promotion of university-industry relations.

He is married to the former Roberta Richardson of Owosso, Michigan, and they have eleven children, seven daughters and four sons. Roberta (Bobbi) has a degree in chemistry-biochemistry and was employed by Dow Chemical Company as well as the Arthur D. Little Company. She is currently a volunteer docent at the International Museum of Photography at the George Eastman House and at the Rochester Museum and Science Center in Rochester, NY. Ed and Bobbi's children work in professional fields ranging from healthcare and education to engineering and chemistry.

*Prof. Leiv K. Sydnes (Norway)*

Date of birth: 9 July 1948. Married, three children born in 1973, 1975 and 1977.

*Education:* Cand. mag., University of Oslo, December 1971; Cand. real., Organic Chemistry, University of Oslo, October 1974; Dr. philos., Organic Chemistry, University of Oslo, November 1978.

*Employment:* Research Associate, University of Oslo, 1974-1978; Postdoctoral Fellow, University of Western Ontario, Canada, 1978-1980; Associate Professor, University of Tromsø, 1980-1986; Visiting Professor, Iowa State University, USA, 1985-1986; Professor, University of Tromsø, 1987-1993; Adjunct Professor, University of Tromsø, 1993 to present; Professor, University of Bergen, 1993 to present.

*Research and Scientific Publications:* The MSc and Dr.philos. degrees were earned under the supervision of Prof. Lars Skattebøl, University of Oslo, on the basis of theses describing research in the field of gem-dihalocyclopropanes.

In Canada he worked with organic photochemistry in the research group of Prof. Paul de Mayo, Photochemistry Unit, University of Western Ontario.

The academic year 1985-86 was devoted to organometallic chemistry, which was employed to synthesize prostaglandin derivatives in the group of Prof. Richard Larock, Iowa State University.

The research is mainly concentrated on organic synthesis with emphasis on cyclopropane chemistry and photochemistry. Many of the problems currently investigated are related to the preparation of biologically active molecules. So far the research has resulted in 77 contributions in publications with a referee system. The research has also been presented in numerous lectures/poster presentations in Norway and abroad (more than 80 since 1987).

In his research Prof. Sydnes has so far enjoyed the cooperation of 34 graduate students, 11 PhD students and one postdoctoral student. Currently his research



**Prof. Leiv K. Sydnes**

group consists of eight graduate students, and five PhD students.

Over the years considerable financial support has been received from Norwegian research agencies and from Norwegian chemical companies (Norsk Hydro, Nycomed, Borregaard).

*Non-scientific Publishing:* Since 1976 Prof. Sydnes has also been involved in various kinds of non-scientific publishing related to chemistry. He has written more than 50 articles in national periodicals including book reviews of foreign scientific books, papers about chemistry topics for non-specialists, discussion papers about teaching etc. He has written three books covering laboratory work in introductory and intermediate organic chemistry at university level. He has published ten high-school textbooks in chemistry and two chemical textbooks for chemical colleges. He has contributed one or several chapters to 18 technical or more general scientific reports.

*Other Professional Activities:* In addition to having been and being involved in a large number of committees and boards at the University of Tromsø and now at the University of Bergen Prof. Sydnes has been engaged in professional activities as follows: Chairman, Division of Teaching, Norwegian Chemical Society 1976–78; Chairman, Northern Norway Section, Norwegian Chemical Society 1981–83; Vice-President, Norwegian Chemical Society 1989–92; President, Norwegian Chemical Society 1992–96. Bureau Member, IUPAC 1993 to present; Member, European Communities Chemistry Council (ECCC) 1994 to present; Member, European Communities Registration Board (ECRB) 1996 to present; Member of the COST D2 Management Committee (Selective Synthesis) 1992 to present; Member, INTAS Assessment Panel, Brussels 1994; Member of the Editorial Board, *Acta Chemica Scandinavica* 1989–1994; Member of the Editorial Board, Norwegian Journal of Chemistry (*Kjemi*) 1986 to present; Organizer of The National Organic Chemistry Meeting in 1988, 1992, 1996; Organizer of The Nordic Natural Product Meeting in Tromsø in 1982; Chairman, Organizing Committee, The National Laboratory and Chemical Fair 1992–93, 1994–95, 1996–97; Chairman of the Board, Unilab Analyse AS 1988–92; Member/Vice-Chairman of the Board, Tromsø Research Park AS 1990 to present.

*Awards:* Kyoto Institute of Technology Lectureship 1990 and The Thaulow Prize 1995.

*Prof. C.-H. Zhang (Chinese Chemical Society, Beijing)*

Prof. Cunhao Zhang was born in Tianjin, China, on 23 February 1928. He obtained his BSc from Central University, Nanjing in 1947, and MSc from the University of Michigan, USA, in 1950. He returned to China in No-



Prof. C.-H. Zhang

vember 1950 and has been with the Dalian Institute of Chemical Physics, Chinese Academy of Sciences since 1951, where he was an Assistant Professor from 1951–53, Associate Professor from 1953–62 and Professor of Chemistry from 1962. He was Deputy Director of the Institute during 1978–83, and Director from 1986–90. He was elected a Member of the Chinese Academy of Sciences (CAS), a title of the highest academic prestige in China, in 1980, became a Standing Member of the Chemistry Division of CAS by election in 1983, and was elected Chair of the Division in 1994, a position he still holds.

He became President of the National Natural Science Foundation of China in 1991. In 1992, he was elected a Fellow of the Third World Academy of Sciences.

Prof. Cunhao Zhang's research activities began in the early 1950s with heterogeneous catalysis. For five years, his group investigated the fluidized bed hydrogenation of carbon monoxide. This resulted in the development of a highly successful nitrated and alkaliized fused iron catalyst.

His major research accomplishments have also included valuable contributions to combustion and short wavelength chemical lasers, and to the chemistry of excited molecules, in particular for the development of double resonance multiphoton ionization spectroscopy in probing ultrashort-lived and/or high-lying rovibronic states and in the study of quantum-state specific energy transfer dynamics of excited molecular species.

Prof. Cunhao Zhang has been an invited speaker at various universities and research institutions throughout the world including Germany, Japan, Republic of Korea, the Netherlands and the USA. He has also presented lectures at various international conferences, notably the San Francisco IQEC in 1986 and the 13th ICCE, San Juan, in 1994. He was a CSCPRC Scholar sponsored by US NAS to MIT, UC Berkeley, USC and UCLA in 1985 and a Ho Sin Hang Professor of Chemis-



try at the Chinese University of Hong Kong in 1996.

He holds part-time professorships at universities in several Chinese cities including Beijing, Nanjing and Fudan and is on the Editorial Boards of several journals including *Spectrochimica Acta* and *Chem. Phys. Letters*.

Prof. Cunhao Zhang is an Associate Editor of *Science (China)*, *Chinese J. Chem. Physics* and *J. Molecular*

*Science (China)* and before 1994, a Standing Council Member of the Chinese Chemical Society. He is also a Member of the Optical Society of America and an Associate Member of the IUPAC Commission on Molecular Structure and Spectroscopy. He was elected Vice-President of the China Association for Science and Technology in 1991 and again in 1996.