

Biographies

His Excellency **Tagelsir Mohamed Abbas** studied at the University of Khartoum and Columbia University, New York, and joined the Sudanese Ministry of Foreign Affairs in 1961. Since then, he has represented his country in Egypt, Belgrade, Nigeria, Romania, China, Djibouti, and Uganda, most recently directed the Africa Department of the Ministry of Foreign Affairs, and is currently the Ambassador of the Sudan to the Hellenic Republic.

His Excellency Mr. **Gunduz Aktan** graduated from the Faculty of Political Sciences of Ankara University and served at the Turkish Ministries of the Interior and Foreign Affairs. He has served at the Turkish Delegation to the OECD (Paris), the Turkish Embassy in Nairobi and the Turkish permanent mission to the United Nations. Mr. Aktan worked at the United Nations headquarters as director for the north-south dialogue and directed the Gulf Department and the Department of International Economic Organisations of the Ministry of Foreign Affairs. He was posted as first counsellor of the Turkish Embassy in Berne, returned to Turkey to be Advisor to the Prime Minister for foreign affairs and, while continuing to serve as Advisor, was appointed as director general of multilateral economic relations at the Ministry of Foreign Affairs, responsible also for Turkey's relations with the EC. Presently, he is Turkey's Ambassador to Greece.

Professor **Athanasios Angelopoulos** studied the ecclesiastic and political history of the Balkans and theology. His field of specialisation has been the cultural and external relations of Greece with other Balkan countries. He studied at the University of Belgrade and is presently teaching theology at the University of Thessaloniki. He has participated in numerous international conferences and has published articles concerning his research on historical archives.

Professor **Edna Aphek** has been Associate Professor at the David Yellin Seminary for Teachers in Jerusalem, since 1991. Her wide ranging career includes publications, presentations, seminars and workshops, specialising in areas including the teaching of Hebrew language and literature, the development of thinking skills and the methodology of language teaching. She is currently working as a consultant with the Education Department and the Pedagogic Secretariat, in the Ministry of Education, Jerusalem. She was previously a consultant for Curriculum Development in Carmel College, UK, and Winnipeg, Canada, for the Jewish Board of Education. Her recent books include *Thinking for Youth*, co-authored by Tamar Gilo, for the Open University and the Branko Weiss Institute.

Dr. Agni Vlavianos-Arvanitis founded the Biopolitics International Organisation (B.I.O.) in 1985, after having dedicated over 20 years to teaching and research in biology. In 1990, she launched the International University for the Bio-Environment (I.U.B.E.) and, in 1992, a campaign for Bios Prizes and cease-fire during the Olympics. A recipient of many high distinctions, she was elected, along with M. Gorbachev, N. Mandela and M. Strong, Honorary President for Life by the UNA of Sri Lanka, and is also an Abdi Ipekci Peace and Friendship Prize laureate. She is Vice President of the International Bio-Ethics Society, Member of the Journal of Cleaner Production Advisory Board, Vice President of the UNESCO-MAB Hellenic National Committee, Commissioner on the Global Commission to Fund the UN, Corresponding Member of the Pontifical Academy for Life, Member of the Board of the Euro-Arab Co-operation Centre, Member of the Board of Trustees of the Uganda National Foundation for Research and Development, Founding Member of the Balkan Academy of Sciences, New Culture and Sustainable Development, and Member of the New York Academy of Sciences, the International Academy of Ecology, Human and Nature Safety Sciences, the Hellenic Philosophical Society and the National Society of Greek Writers.

Author of poetry books, she is also Honorary Professor of St. Petersburg State University for Plant Polymers and has an Honorary Doctorate from Mendeleyev University.

Professor **Nicholas Ashford** teaches courses in regulatory law and policy at the Massachusetts Institute of Technology (M.I.T.). He is a faculty associate of both the Centre for Technology, Policy and Industrial Development in the School of Engineering and the Industrial Relations Section of the Sloan School of Management. He holds a Ph.D. in chemistry and a law degree from the University of Chicago. For several years, he had been public member and chairman of the National Advisory Committee on Occupational Safety and Health, and has also served on the EPA Science Advisory Board. Professor Ashford is a fellow of the American Association for the Advancement of Science and has also served as Vice-Chairman of the Committee on Innovation and Economics of the EPA National Advisory Council for Environmental Technology Transfer. Author of *Crisis in the Workplace: Occupational Disease and Injury*, his research interests include regulatory law and economics, the design of government policies for encouraging technological innovation and improvements in health, safety and environmental quality, labour's participation in technological change and the role of information in political processes.

Mike Awua-Asamoah, Secretary-General of the UN Association of Ghana is currently with the School of Peace Studies, University of Bradford, England, researching into questions of "Peace Perspectives in Africa", a work to be published. Since early 1990, he has been directing the African Peace Research Institute in Lagos, Nigeria, and was selected by the United Nations Institute for Disarmament and Research (UNDIR) as researcher and participant in the Conference of African Peace Researchers and Institutes on African Position on Disarmament, held in Algiers in March, 1990.

Ambassador **Eduardo Barajas** graduated with a doctorate in jurisprudence from Rosario University of Bogota, Colombia, and obtained degrees in political science from England and in public administration from France. His career in the public service of Colombia has included tenures as secretary-general of the Ministry of Government, adviser to the Secretary of Public Administration, deputy director and interim manager of the regional planning corporation of the area of Bogota, and directing the Office for the Organisation of Public Administration at the Presidency of the Republic. He was secretary to the commission in charge of the reform of the code of commerce, rector of the Pedagogic and Technologic University of Colombia, and has served as adviser and board-member on many different public enterprises, governmental commissions on administrative policy and reform, and private companies.

Captain **Krzysztof Baranowski** is the president of the International Class Afloat Foundation. He has travelled the world's oceans with teams of young students on educational voyages, most recently on behalf of the United Nations.

The late **Constantinos Bonis**, former President of the Academy of Athens and President of the Archaeological Society of Greece, has been a Professor of Theology at the Universities of Athens and Salonica. He has published numerous books and articles and has received high distinctions both nationally and internationally.

Professor **Gyula Bora** graduated from the Budapest University of Economics. He was a Candidate for Science in Geography, and was sponsored by the Ford Foundation for his postdoctoral fellowship at the University of Chicago. He also studied US environmental policy on a WHO fellowship. Professor Bora works in the Department of Economic Geography at the Budapest University of Economics where he has also held the position of Vice Dean of the Faculty of Commerce and Vice Rector for Scientific and International affairs. His scientific activities include regional studies, industrial plant location, consulting

for regional organisation and research on environmental protection model building. He has been involved in several national and international research projects, and has been Acting President of the Hungarian UN Association and President of the Hungarian Geographic Society.

Dr. **Efthimios Bouloutas** studied at the National Technical University of Athens and Stanford, and obtained his Ph.D. in civil engineering and environmental science from M.I.T. A recipient of several academic honors and awards, he is interested in surface and subsurface water quality modeling, computational methods, environmental fluid dynamics, and supercomputing in engineering science, as well as environmental and energy management and policy.

Professor **Stephen Boyden** is professorial research fellow in human ecology at the Centre for Resource and Environmental Studies at the Australian National University. For almost twenty years he did research in immunology at the University of Cambridge, the Rockefeller Institute, the Pasteur Institute, the Tuberculosis Immunisation Research Centre in Copenhagen and the John Curtin School at the Australian National University. Since 1965, he has researched and written in human ecology and biohistory at the Australian National University, while also serving as director for the Hong Kong Ecology Programme, a UNESCO Man and the Biosphere Project, from 1972 to 1977. He was also a UNESCO Consultant for the MAB Program from 1974 to 1990, and has been leading the Fundamental Questions Program, Center for Research and Environment Studies at Australian National University since 1988. Professor Boyden's main research interests are biohistory and the patterns of interplay between physical and cultural systems, past and present, on which he has recently written books. A member of several international learned societies, he has been distinguished by receiving fellowships from the Australian Academy of Sciences and the Royal Society of Arts.

Philippe de Braeckelaer graduated from the University of Paris IV in biology of populations and organisms (vegetal physiology). Attached to general management of the Centre de Valorisation Agro-Industriel, he is responsible for the development and prospective unit specialising in the introduction of new crops and the preservation of rural social economy.

Professor **Andrew Brennan** holds degrees in philosophy from the Universities of Saint Andrews, Calgary and Oxford. He joined the Stirling Philosophical Department in 1970, and since then has been a visiting fellow in philosophy at Princeton University and visiting Professor at Calgary. He presently edits the Scots Philosophical Monograph Series and the MacMillan Studies in Contemporary Philosophy. Analysis, Nus, Enquiry, Synthese, and other philosophical and educational journals, have featured his articles. Conditions of Identity and Thinking about Nature are two of his books which were published in 1988. He was recently awarded a grant from the Carnegie Trust for research into comparative educational practice and theory in Zimbabwe.

B.J.I. ten Brink is with the tidal waters division of the Ministry of Transport and Public Works, the Netherlands. He holds a Master's degree in marine biology and environmental ecology with physical planning, environmental law and scientific journalism from the University of Leiden. He is the author of Policy and Management for the Biesbosch National Park, Environmental Policy in Policy Development for Road Infrastructure and the project leader of Nature Conservation in Water Management of the Third National Policy Document on Water Management, and of the Aquatic Outlook for the national government of the Netherlands.

William J. Cairns is the founder and Chief Executive Officer of W.J. Cairns and Partners. Educated at the University of Durham and M.I.T., he is a fellow of the Landscape Institute

and the International Society of City and Regional Planners, he holds a Master's degree in city planning, and a Diploma in landscape architecture. Mr. Cairns has directed major planning and environmental projects in the U.K. and overseas and is an adviser to government departments and private corporations. He is an internationally recognised expert on environmental assessment and was responsible for directing the first environmental impact assessment in the U.K. in 1973 and 1974 for Occidental's Flotta Oil handling terminal in the Orkney Islands. He also directed the first environmental impact assessment carried out by the British government at the Clyde Nuclear Submarine Base at Faslane and the Royal Naval Armament Depot at Coulport on Loch Long, Scotland for the Trident Missile Programme. He has recently been appointed President of the International Professional Association for Environmental Affairs, Brussels, and Rapporteur General of the XXVI World Congress on Planning, Warsaw. He is also a member of the international steering committee for Globe '90, Vancouver, and editor-in-chief of a forthcoming book on the environmental impact of developing North Sea oil and gas reserves.

Professor **John Carroll** is Professor of Environmental Conservation, University of New Hampshire, and chairman of the Environmental Conservation Program. He received his Ph.D. at Michigan State University in resource development (A.B., M.A., geography), and is active in many fields. A member of advisory boards in the U.S. and Canada, his activities in resource protection are worldwide, and he has published five books and numerous articles on environmental issues.

Since 1987, **Nikki Malet de Carteret** has been a freelance publicity and public relations consultant, journalist and reporter working for the BBC World Service. She received a B.A. from the University of Calgary, Canada and an M.A. from the University of Sorbonne in France. She has acted as assistant producer and researcher on many BBC television programmes and during 1986 was the international coordinator of The Million Minutes of Peace Appeal for the United Nations. She is currently the international coordinator for Global Cooperation for a Better World and developed the first peace messenger initiative dedicated to the United Nations.

Professor **Costas A. Cassios**, M.Sc., Ph.D., was educated at the University of Thessaloniki. In 1965 he received a B.Sc. in forestry from the University of Thessaloniki and in 1969 graduated from the Industrial School of Piraeus with an M.Sc. in statistics. He received an M.Sc. in landscape architecture-forestry and a Ph.D. in regional planning for outdoor creation and environment protection at the University of Wisconsin, Madison. Currently Professor of physical geography at the National Technical University of Athens (NTU) in the Department of Surveying and Rural Planning, he is also Adjunct Professor in the Department of Landscape Architecture, School of Environmental Science and Forestry, Syracuse University of New York. He has been head of national parks for the Greek Ministry of Agriculture, was a member of the Reforestation Section FAO Program and of the Outdoor Recreation and Landscape Architecture Section for the Forest Research Institute, Ministry of Agriculture. He became an expert and chairman of the Council of the European Committee of Nature and Environmental Protection, and in charge of the planning of more than 20 parks for the forest service of Greece. He was a member-monitor for the Balkan Peninsula for IUCN and a Member of the MAB Greek National Committee. He has acted as landscape architecture consultant for projects in Libya, Saudi Arabia and Bahrain, and has published over 40 scientific publications and articles on landscape architecture and environmental planning and protection.

Professor Chee Seong Tham is a world expert on sociology and anthropology, with special reference to the Malay-Indonesian culture. He is currently teaching at the National University of Singapore's Department of Malay Studies, of which he was Departmental Head from 1989 to 1997. Other positions previously held include membership of the Board of Trustees at the

Institute of Southeast Asian Studies from 1971 to 1974 and from 1979 to 1995, of the Board of Advisers at the Singapore National Library from 1971 to 1979, of the Board of Advisers at the Ford Foundation Regional Advisory Committee on Southeast Asian Studies from 1971 to 1983, and of the MENDAKI Social and Cultural Affairs Committee, in 1990. Furthermore, he was Vice-Chairman of the UNESCO Advisory Committee on the Study of Southeast Asian Cultures from 1981 to 1983, Vice-President of the Singapore Association for the Advancement of Science as from 1983, and President of the UN Association of Singapore from 1980 onwards. He has seen several of his articles, papers and book reviews published in international journals, and has himself been Editor of the Review of Southeast Asian Studies from 1969 to 1975, and a Member of the Regional Advisory Board at the Southeast Asian Journal of Social Change (SOJOURN) from 1985 onwards. He has published widely on the topic of the Malay and Singapore societies and has been a member of the International Board of Trustees of the Biopolitics International Organisation from 1987 to this day

Dr. **David John Chivers** was awarded his Ph.D. in 1972 by the Department of Physical Anthropology, Sidney Sussex College, Cambridge, for his study on the ecology and behaviour of gibbons in Malaysia. Since then he has organised research on the ecology and behaviour of rain-forest primates in Malaysia, Indonesia, India, Bangladesh and Brasil, with special reference to conservation, and taught anatomy to veterinary students and primate biology to anthropology students. Since 1977 he has been a University Lecturer in Veterinary Anatomy, Department of Anatomy, University of Cambridge, and since 1989 a Fellow and Tutor of Selwyn College. He has spent a total of 50 months in the field, mostly in the countries mentioned, attended numerous conferences, and supervised the theses of 20 research students. He has published extensively on the subject of primates and is a member of many learned international societies.

Professor **Stephan L. Chorover** is Professor of Psychology at M.I.T. and Adjunct Professor of physiological psychology at the Massachusetts School of Professional Psychology. His main research interests continue to focus on the problem of understanding relations between the organization and development of the central nervous system and the organization and development of mental activity. His current work is aimed at developing an epistemological, axiological and methodological framework for studying how psychological phenomena are related to their neurobiological roots and sociocultural branches. A founding member of the Society for Neuroscience, Professor Chorover belongs to many learned societies, has been awarded numerous academic and research grants, and has published extensively on science and society, neuropsychology, and human ecology.

F. Colijn is with the Tidal Waters Division of the Ministry of Transport and Public Works, the Netherlands.

Alexis Coscoros is Student in Athens College and member of the European Youth Parliament.

Professor **E.E. Creppy** is a toxicologist and heads the Department of Toxicology of the University of Bordeaux.

Professor Juraj Cuth studied law at Comenius University in the Slovak Republic. He became Professor of International Law and Politics at Bratislava University, as well as Dean of the Faculty of Law. He is currently President of the Court of Arbitration of the Slovak Chamber of Commerce and Industry, and a member of the European Arbitration Group of the International Court of Arbitration of the International Chamber of Commerce. His many publications include papers on various aspects of law as well as studies on the environmental and peace movements.

Born in Austria, **Michael Davakis** received his B.A. in philosophy, economics and German from the University of Pennsylvania, U.S.A. and assumed editorial responsibilities in the publication of this volume. His interest in international relations and diplomacy, as well as journalism and editing has grown out of his multicultural background and his extensive experience in languages.

Professor **Climis A. Davos** is Professor of Environmental Choice Theory and Management and Associate Dean for Student Affairs of the School of Public Health at the University of California, Los Angeles. His research interests are in developing a new environmental choice theory and research agenda based on multiattribute and multiple-interest analysis as well as on the principles of codetermination. He has developed an approach for integrating environmental assessment within a global context, a pollution theory of value, and a participatory approach to public value analysis and conflict management referred to as the priority-tradeoff-scanning (PTS) approach. He is also responsible for a principle for integrating public values known as codeterminative environmental decision making as well as the computer program AGORA which enables the management of conflicts among the values of large numbers of diverse interests through coalitional and solidarity analyses.

The late **Michael F. Dearing**, M.I.Env.Sc., Assistant Professor of Psychology at Deree, the American College of Greece, has worked at Southern Illinois University, Denison University, the Laboratory of Experimental Psychology, Sussex University (U.K.), the American Summer School in London, and the Oakwood Psychiatric Hospital. He was a member of the Association of the British Psychological Society, CHEIRON (International Society for the History of Behavioral and Social Sciences), the Institution of Environmental Sciences, and the International Association for the Study of People and their Physical Surroundings. He produced a number of publications relating to psychology.

Andreas Demetropoulos studied marine biology and oceanography at the University College of North Wales, and is now the director of the Department of Fisheries of the Ministry of Agriculture in Cyprus. He was vice-President and then President of the General Fisheries Council of the Mediterranean (FAO). He is the National Coordinator for the Marine Pollution Monitoring Programme (MED-POL) of the Mediterranean Action Plan for Cyprus, and since 1987 has been a member of the Commission of Ecology of IUCN. He was a founding member and the first President of the Cyprus Wildlife Society, a position he still holds. He has been elected to UNEP's Global 500 Honours List for campaigning for the protection of turtle beaches and the creation of Akamas National Park. He has published many papers and articles on fisheries, turtles, pollution, conservation and wildlife.

Theodore Demopoulos graduated from the Department of Political Science and Economics of the Law School of Athens University. He studied economics, mathematics and statistics at the University of Stockholm and completed post-graduate studies in economics at the same University. He taught economics from 1970-1980 at the University of Stockholm, Royal Polytechnic School of Stockholm and the Institute of Communications. In 1981, he was appointed special economic advisor to the Alternate Minister of National Economy. As representative of Greece, he served as the President of the high-level committees of the OECD and EEC for the North-South talks. In 1983, he coordinated a team of economists in connection with the formulation of the budget and was responsible for the five-year economic and social development plan for the Ministry of the National Economy. He directed the International Institute of Post-Graduate Agricultural Studies (Mediterranean Agronomic Institute) in Chania under the aegis of the OECD and the Council of Europe, and was appointed governor of the Agricultural Bank of Greece. As Professor at the Bank of Greece Center of Advanced Studies, he organized and taught a series of seminars on specialized subjects in economics and has published a significant number of articles and studies.

Professor **Michel Despax** is the Honorary President of the University of the Social Sciences of Toulouse. He is also on the Faculty of Law of the University, having previously also served as President from 1978 to 1983. Director of the Institute for the Juridical Studies of Urbanism and Construction, he founded and directs the *Revue Droit et Ville*, and is a member of the European Council of Environmental Law. He has engaged in numerous teaching and conference missions overseas and is president of the Mid-Pyrenees French Society for Environmental Law, a field in which he has published extensively. He has been awarded the Elizabeth Haub Prize by the University of Brussels, and has been decorated as Officer of the Academic Palms, Chevalier of the National Order of Merit, and Chevalier of the Legion of Honor.

Professor **Jan W. Dobrowolski** is Professor in the Faculty of Mining Surveying and Environmental Engineering at the University of Mining and Metallurgy, Krakow, Poland. After a Ph.D. in Environmental Physiology and Experimental Embryology, his career has included serving as a visiting professor in Belgium, Germany, Hungary, Greece, India, Japan, UK, and Turkey. As an invited speaker he has presented papers at many international conferences, more recently on "Our Common Future - Human Environment" (Krakow, 1991), and co-chaired the International Conference on the Training of Experts for Environmental Co-operation in Europe (Krakow, 1993). He has authored numerous articles in national and international journals, as well as five monographs, and is a member of several national and international scientific societies. He is also Tutor of the Inter-University Students' Club of Environmental Management in Poland and the Open University "Technology and the Human Environment" course, Krakow.

Dr. **Terence Duffy** is Director of Peace Studies at the University of Ulster, Magee College, in Northern Ireland. His academic career has included senior course tutor at the same institution, visiting professor at the University of Massachusetts, associate research fellow of Queen Elizabeth House, Oxford University and research associate at the Queen's University of Belfast. He has published many articles in the field of ethnic relations and education and is particularly interested in the role of bios in peace studies. He has also prepared a major comprehensive study of the developments in the peace studies curriculum.

Professor **H.S.I. El Ebied** is Vice President of the University of Cairo.

Professor **Richard Eells** received A.B., M.A. and LL.D. degrees from Whitman College and Princeton University and is presently Professor of Business (Emeritus) at Columbia University, and Special Advisor to the President of Columbia University; also Special Advisor to the President of the New York Botanical Garden. During his past 15 years service at Columbia University he was Director of Studies of the Modern Corporation, Adjunct Professor of Business, and Councillor to the Dean of Graduate School of Business. Previously, Manager of Public Policy Research, General Electric Company (NYC) for ten years. Field Director, Near East College Association (AUB and others). Following military service in the USAF, he was Chief of the Division of Aeronautics and Holder of the Guggenheim Chair of Aeronautics, The Library of Congress (Washington, D.C.). He has received grants from the Rockefeller Foundation and Sloan Foundation and has served as consultant to IBM, GE, Rockefeller Bros. Fund, and others. He is the author and co-author of fifteen books on corporate social policy matters and the editor of thirty-five volumes on business matters.

Christos Efthymiopoulos is a physicist currently completing a Ph.D. in Astronomy at the University of Athens, and working on a research project at the Department of Astronomy and Applied Mathematics of the Academy of Athens. He has received a full scholarship award by the Foundation of State Scholarships of Greece. An active member of the Biopolitics

International Organisation since 1988, he is also a Junior Member of the Hellenic Astronomical Society and of the United Nations Association of Greece.

Ambassador **Ahmed El-Zant** received his B.A. and M.A. from Cairo University and took a Diploma in International Relations from the Institute of Social Studies of the Hague. He participated in many rounds of negotiations between Egypt and the Soviet Union from 1968 to 1976, served as member of the peace committee between Egypt and Israel, on the Egyptian delegation in United Nations sessions and to the Organisation of African Unity and a member of the American Academy of Political Sciences. He has served as DCM in Sudan, Italy, Lebanon, the Soviet Union and the United States, and as Ambassador in Ethiopia and Greece.

The Right Honourable Lord **David Ennals** was educated in the U.K. and the U.S.A. He has held ministerial posts in the Home Office, the Foreign Office, and the Ministries of Defence, Health and Social Security. During the late 1970s he was member of the British Cabinet and became a member of the House of Lords in 1983. He is presently the Chairman of the UN Association of the UK, the Ockelden Venture for refugees, the National Association for Mental Health, the Parliamentary Food and Health Forum, the Children's Medical Charity, and the Asian Committee of the British Refugee Council, and President of the College of Occupational Therapy and the National Society of Non-Smokers.

Professor **Zafer Erturk**, Ph.D., M.S., M.A., graduated in architecture and received a Master's degree in Economics at LUT, England and a Ph.D. in building science from ITU, Istanbul. He is presently the Dean of the Faculty of Business Administration and Economics at the Black Sea Technical University in Trabzon, Turkey. He serves as Professor in architectural design in the Department of Architecture of the same university, and is also a designer of different kinds of buildings in Turkey, particularly of university campuses. The scope of his numerous publications includes those involving environmental problems, economics, Anatolian architecture and the theory of design activity and design techniques.

Professor **Hunay Evliya** received a Ph.D. in industrial chemistry in Turkey and went on to do post-doctorate work in Germany, on an Alexander von Humboldt Foundation fellowship. She is now Director of the Centre for Environmental Research at Cukurova University, Turkey, and Head of the Organic Chemistry Department. Her research focuses on air and water pollution, in relation to municipal and industrial wastes.

Retired Ambassador **Achilles Exarchos** has studied Law at the University of Salonica and did post-graduate studies in public administration and management at the U.S. Bureau of the Budget, as well as in economics and public finance at American University and at the University of Rome. As Ambassador, he has represented Greece in Nigeria and has served as permanent representative of Greece at the UN\FAO, WFP, and WFC in addition to being the governor for Greece for the International Monetary Fund for Agricultural Development. He has been decorated as Commander of the Greek Order of the Phoenix, as Commander of the Bulgarian Order of the Knight of Madara, as Knight of the Italian Order of Merit, and with the Cross 1st Class of the Rumanian Order of Theodore Vladimirescu.

Professor **Megas L. Farantos** studied theology and philosophy at the Universities of Athens and Bonn, and teaches philosophy at the University of Bonn and theology at the University of Athens. He became Full Professor in the Department of Dogmatic and Christian Ethics at the Theological Faculty of the University of Athens and has written numerous books and studies on the themes of Christian dogmatics and ethics, and philosophy.

Peter H. Feeg, Director of WFUNA in Vienna studied economics, history, law, and political sciences at the Universities of Vienna, Cracow, Zagreb, and Michigan State. He has been deputy editor-in-chief of the periodical *Osterreich und die Vereinten Nationen*, and

coordinator of projects in social fields, such as care for the disabled, youth problems, the status of women, and narcotic abuse. He has been the Secretary-General and President of UNSAA, vice-President of the Austrian Association of UN and UNESCO Clubs, Chairman of the Vienna NGO Committee on Narcotic Drugs and Psychotropic Substances, and advisor to the Indian Social Research Institute.

Dr. **Ulrich Fegeler** studied medicine in the Universities of Bonn and Berlin, and obtained a Doctor of Medicine degree from the Free University of Berlin. As pediatrician at the Red Cross Rittburg Hospital for children he specialised in pediatric cardiology and became Assistant Medical Director in 1985. His publications deal with the effect of air pollution and its role on respiratory diseases in children.

Kumaran Fernando is Founder and Secretary General of the United Nations Association of Sri Lanka and has represented the UNA at conferences all over the world. Founder and Chairman of the Flag Research Centre of Sri Lanka, the only one of its kind in Asia and Africa, he has been a member of many professional organisations including the Audubon Society of America, and is an honorary member of the UN Associations of the UK and the USA, as well as the Sagala Trust and the VASLA Flag Society.

Professor **Lev Fishelson's** areas of expertise include zoology, marine biology, parasitology and botany, on which he has published extensively. A recipient of many academic and professional awards, he has held academic posts in Israel and the USA and currently teaches at Tel Aviv University. A long-standing member of the International Ecological Society, the Israel Ecological and Zoological Societies, the European Union of Ichthyologists and the Japanese Ichthyology Society, Professor Fishelson is also founding member of "Life and Environment," an umbrella organisation of NGO's. He has been advisor to the Israeli government and member of the Environmental Quality Steering Committee to the Prime Minister.

John Malcolm Forbes obtained his B. A. at Harvard and his M.S. at the University of Wisconsin at Madison, with a concentration in American history. He helped establish and currently co-chairs the board of directors of the Center for American Studies at Concord which offers seminars to U.S. and international educators, corporate executives, and college students about Concord's history. His occupational interests include the advocacy of policies concerning international relations in the pursuit of world order and human ecology, and he holds a certificate of advanced study from the Harvard School of Graduate Education.

Dr. **Miguel Dino Fortes** holds a Ph.D. in Marine Plant Ecology from the University of the Philippines, where he is currently Associate Professor of Marine Science. He has directed numerous national, regional and international field projects, conducted environmental impact studies and published numerous articles on a variety of topics involving the aquatic environment. A member of the International Phycological Society, Dr. Fortes specialises in the establishment of a database on the ecological basis of national and ASEAN marine plant resources, and is actively involved in coastal restoration and rehabilitation projects.

Mayer Gabay, Esq., is Commissioner of the Civil Service of the Government of Israel and Chairman of the Patent and Copyright Law Revision Committee. He holds a Master's degree in Comparative Law from Columbia University, New York. Mr. Gabay was Director General of the Ministry of Justice for 11 years, President of the UN Association of Israel, a member of the council of the Israeli Bar Association and a lecturer at the Universities of Jerusalem and Tel Aviv. He has been involved in negotiations with Egypt under the Camp David Accords, has been designated as member of the World Bank pool of arbitrators, and was engaged in negotiating the Free Trade Agreement between the United States and Israel.

Dr. Gloria C. Gatchalian holds a Ph.D. in Education and is project director at the Eulogio Amang Rodriguez Institute of Science and Technology in the Philippines. A recipient of many scholarships and awards, she is member of various scientific organisations and has also been a UNESCO and IFS International Conference delegate in many countries.

Professor **Samir I. Ghabbour** is chairman of Soil Biology of the Department of Natural Resources, Institute of African Research and Studies, Cairo University, and author of more than 75 publications on soil fauna and ecology, natural resources, conservation, and environmental protection. He is the secretary of the Committee for Priorities of Environmental Research of the Supreme Council of Universities of Egypt's Ministry of Higher Education, and member of the Committee of Suez Canal University responsible for establishing the Faculty of Agricultural and Environmental Sciences at El-Arish. In addition to his teaching responsibilities and dissertation supervisions, Professor Ghabbour has organised national, regional and international seminars, symposia, colloquia, and conferences, and collaborated with and consulted the UN and UNESCO on various projects. A member of several learned international societies, he co-edits five European scientific journals, and has received many international honors and awards.

His Excellency, Ambassador **Moshe Gilboa**, the former Ambassador of Israel to Greece, was educated at the Hebrew University of Jerusalem and served as director of information for the World Zionist Organization and led the Entebbe Fund. He has engaged in Israeli diplomatic missions in Atlanta and Chicago, and Tehran, and served as Israel's Ambassador to Zambia. He advised minister Shimon Peres on international affairs, directed the World Jewish Affairs Division of the Ministry of Foreign Affairs in Jerusalem, the Israeli Foreign Ministry and in 1986, he was promoted to Advisor to the Minister of Foreign Affairs. He has published articles and essays, mainly on international, Middle Eastern and Jewish affairs in Israel and in international periodicals, publications and newspapers, and was invited to lecture in various countries, communities and universities in the U.S.A., Europe, Canada, Africa, and Australia.

Dr. **Boris A. Gontarev** is President and Academic Dean of the Academy of World Civilisations for the U.S.S.R. branch of the World Laboratory. Having received his Ph.D. in theoretical chemistry, he is an expert in technology and has conducted research in comparative education, higher education management and quality control, educology, the humanitarisation of engineering schools, perestroika in Soviet science and education, and the renewal of religion education in the U.S.S.R. Author of Technical University, U.S.A., Dr. Gontarev is responsible for all entries on the American universities in the forthcoming edition of the Encyclopaedia Sovjetica and has published numerous major articles on higher education in the Soviet Union.

Pawel Graniewski holds a Master's degree in international law from Warsaw University and has done post-graduate work at the Political Science Academy, Moscow. He is, at present, Secretary-General of the UN Association of Poland and WFUNA Youth Programme coordinator, having held many posts in international organisations since 1975. He has taken part in over 80 international conferences and has recently been involved in national housing cooperations in Poland. He has written over 30 publications on international relations and housing problems.

Professor **Andreas Grohmann** is with the Institute for Water, Soil and Air Hygiene of the Federal Health Office, Berlin, Germany.

Professor **Michali Gusev** is Dean of the Faculty of Biology of the Moscow State University.

Professor **Elias P. Gyftopoulos** is Ford Professor of Mechanical and Nuclear Engineering at M.I.T. He is a member of the National Academy of Engineering, the American Academy of

Arts and Sciences, and the American Society of Mechanical Engineers. He is vice-President of the board of trustees of Anatolia College in Salonica, Greece, Director of Thermo Electron Corporation, Thermo Instrument Systems Corporation and chairman of the board of the Mercantile Bank of Boston. He is interested in the foundations of quantum mechanics and thermodynamics and cost-effective energy utilisation.

Dr. **Josef A. Haber** teaches at the Institute of Social Sciences in the Technical University of Silesia in Poland. He received his Master's degree in Economics from the Silesian University in Katowice in 1968. He is an expert on ecological security at the Ministry of Foreign Affairs, and has presented papers on this subject at many international conferences and seminars. He has held the post of research fellow of the Institute of Socialist Countries at the Polish Academy of Sciences, was vice-President of the UN Association and has been vice-Chairman of that organisation since 1986. He has published numerous papers on ecological security and international relations.

Senator Dr. **Huberte Hanquet**, studied philosophy and religion, political and social sciences. Since 1984, she has been President of the National Council of Belgian Women and is a member of the International Sociology, Gerontology and Demographic Society. She has worked on different committees of the Parliament of Belgium with special dedication to programmes concerning the role of women in modern society, as well as the international co-operation on health and social security. She has developed an outstanding parliamentary action and has participated in numerous conferences and also published various articles on feminism, health and bio-ethics.

Professor **Rom Harre**, born in New Zealand, obtained a B.Sc. in engineering and mathematics, and an M.A. in philosophy and anthropology from the University of Auckland. He has been a lecturer of physics and mathematics at King's College, Auckland, and the University of Punjab, and a lecturer in philosophy of science in the University of Leicester and Oxford University. He has written the following books: *An Introduction to the Logic of Science, Matter and Method, The Anticipation of Nature, The Principles of Scientific Thinking, The Philosophies of Science, and Great Experiments.*

John Hartland is Special Advisor to the Secretary General of the Council of Europe's 43-country Parliamentary Assembly. A graduate of Cambridge University, he worked in the electronics industry and then in the diplomatic service for Britain's second campaign to join the European Communities. In 1969, he was appointed to a senior research fellowship in science and technology policy and initiated a science/literature/society course of teaching in the Science Faculty of Manchester University. He joined the Council of Europe in 1971, as Secretary of its ministerial conference on education. He has been First Secretary to several committees of the Parliamentary Assembly - science and technology; social, health and family affairs; political - and, from 1975 to 1985, was Executive Secretary to the Council of Europe's parliamentary and scientific conferences. In 1997, he became First Secretary of a new committee to monitor the agreed commitments to legal reform, democracy and human rights entered into upon accession to the Council of Europe by the 20 countries which have joined the Organisation since 1990. Prior to his current appointment, he was Head of Division for three parliamentary committees - economic affairs and development; environment, regional planning and local authorities; agriculture, rural development and food - and directed the unit for analysis, research and communication in the Secretariat of the Parliamentary Assembly. He has written and lectured on science and technology policy and, more recently, on international observation of elections in the context of transitions to democracy and on market economics in the OSCE area. He has acted as a consultant to the United Nations University and to the International Institute for Democracy and Electoral Assistance (I-IDEA), and has contributed to the teaching programme of Strasbourg University's science/society research group (GERSULP).

Jordan A. Horvath, Esq., is a practising lawyer in New York. He obtained his Master's degree in law from Harvard University, with further studies at Princeton. As a student he was greatly involved in the United Nations project, Model United Nations as a co-ordinator and WFUNA in Switzerland. He has been a contributor and editor on United Nations publications, including the Teacher's Guide to Model United Nations.

Albert Th. Ten Houten, an M.Sc. graduate in Chemical Engineering, is the owner and general manager of ATHMO, a Dutch firm specialising in the management of environmental projects, impact assessments and decision-making processes. Since 1993, he has been Chairman of the Board of de Straat Environmental Consultancy, and Vice Chairman of the Verifying Committee, Dutch Environmental Education. He has also been a partner of CEC-International, Environmental Consultants, Edinburgh, Scotland since 1992. Other activities have included involvement with the PRISMA project in Holland, working for the Indian Ministry of the Environment (GEOPLAN-team) in India, and assistance with information for industrial start-ups in Berenschot, White Plains, New York. His publications include co-authorship of the book *What is Environment* and he is editor-in-chief of the handbook *Recycling of Industrial Wastes* (1991).

Professor **Donald Huisigh** is currently Professor of Environmental Sciences at Erasmus University in Rotterdam. He has led and directed interdisciplinary research teams and fact-finding task forces in his effort to implement preventative approaches to environmental quality improvement. Dedicated to the development of integrated approaches for the solution of societal problems, Professor Huisigh has collaborated with industrialists, political leaders, academicians and students alike in coordinating educational and research mechanisms capable of accomplishing such holistic, system-wide approaches. A recipient of numerous grants and awards, he is the author of more than 90 publications, most recently on hazardous waste reduction and pollution prevention. Professor Huisigh is currently also assisting the United Nations Environmental Office in the Development of a Global Information Network on Concepts, Policies and Technologies on Low and Non-Waste Technologies.

Dr. **Cleanthis J. Israelidis**, presently Professor of Biology at Southeastern College in Athens, studied at the University of Thessaloniki. He continued his studies with a Fulbright scholarship at the University of Oregon where he received his M.S. and Ph.D. In post-doctoral work he continued his research in biotechnology at M.I.T. and the University of Canterbury. Presently, he works as a consultant to the Greek Ministry of Agriculture in food technology programs, as well as to the Ministry of Research and Technology and has published papers on animal feed technology.

Edward Kamienski, an engineer architect, received his M.Sc. from the Technical University of Cracow, Poland. In 1988 he founded the Center for Building Biology and Environmental Energy Action (BIOSKALA), Cracow, where he is now Director. He has won prizes in numerous architectural competitions organised by the Polish Architecture Association, and has experience in designing abroad. He has participated in international conferences in Poland and abroad. Among his more important designs are districts for 7,000 inhabitants in the city of Cracow, a sanatorium, schools and geo-biophysical research for houses and districts.

Professor Dusan Kanazir, former President of the Serbian Academy of Sciences and Arts, and former Minister of Science and Technology for the Government of the Republic of Serbia, studied medicine in Paris and received a Ph.D. in physiological sciences from Université Libre de Bruxelles. He has been Professor of Biochemistry on the Faculty of Sciences at Belgrade University and Scientific Counsellor at the Boris Kidric Institute. He has taught in the USA, Japan, Belgium and Argentina, and has been inducted in numerous learned societies, academies and boards. Appointed Commandeur de la Légion d'Honneur by the French government, Professor Kanazir has also earned the Decoration of Merit for the

Yugoslav Peoples – Gold Star – the Plaque of the Institute for Nuclear Energy Application in Agriculture, Veterinary Science and Forestry, and the Decoration for Work – Red Flag – on two occasions.

His Excellency **Kazuo Kaneko**, former Ambassador of Japan in Greece, is a founding member of the Biopolitics International Organisation International University for the Bio-Environment.

Orhan Karakullukcu was born in Trabzon, Turkey in 1937 and is presently a mechanical engineer at the Istanbul Technical University. He has also worked for the State Highways Department and the cement factory of Trabzon, taught at Karadeniz (Black Sea) Technical University, and has been employed as an industrialist, before serving as Mayor of the city of Trabzon.

His Eminence the Metropolitan of Philadelphia Dr. **Meliton Karas** is currently the Chief Secretary of the Holy Synod of the Ecumenical Patriarchate. He was born in Imvros, Turkey in 1951. He was graduated from the School of Theology of the University of Thessaloniki, and continued his studies in France and again at the University of Thessaloniki (Ph.D.). Ordained a Deacon in 1974, Metropolitan Meliton served the Holy Synod of the Ecumenical Patriarchate as Under-Secretary (from 1984) and Chief Secretary (from 1987). During the first 16 years of his ministry he was the personal secretary to His Eminence Meliton, the Elder Metropolitan of Chalcedon, where he represented the Ecumenical Patriarchate. From 1987 to 1989, he accompanied His All Holiness, Ecumenical Patriarch Dimitrios on his official visits to Orthodox Patriarchates and Christian Churches. Ordained to the episcopacy in 1990, he is a member of numerous Synodical Committees of the Ecumenical Patriarchate.

A. Henry Karunaratne received his M.Sc. in Economics in London. A Senior Life-Member of the UN Associations, he presently chairs the Executive Committee of the UNA of Sri Lanka.

Professor Rusen Keles is Director of Environmental Studies on the Faculty of Political Science at Ankara University. He has served as President of the United Nations Association of Turkey and, in addition to providing advisory services to local government agencies, he has also been a consultant to the Council of Europe and the United Nations. Recipient of the Abdi Ipekci Prize for Peace and Friendship, he has published more than 30 books and reports and is a member of a number of national and international organisations, including B.I.O. trustee

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Professor **Aykut Kence** chairs the Department of Biology at Middle East Technical University in Ankara and has been awarded the International Insect Physiology and Ecology Associateship for 1988-1994 by the Third World Academy of Sciences. He teaches and has repeatedly received grants by the Research Council of Turkey for his work on the housefly *Musca Domestica* and has written on evolution, species differentiation, biological diversity, and the genetic effects of radiation.

Professor **Jaanus Kiili** is Assistant Professor in the Tallinn Teachers Training Institute. He graduated cum laude from the Faculty of Biology of Tartu University in 1981, where he was a research scientist at the Department of Zoology. He took his Ph.D. in animal ecology from the

Institute of Evolutionary Morphology and Ecology of Animals, Soviet Academy of Sciences, in 1990. He has written on animal ecology, environmental education, and the history and philosophy of biology and ecology.

Professor Baruch Kimor's life-time work has been dedicated to Mediterranean Planktonology, for which he was awarded the Tregouboff Prize by the French Academy of Sciences, in 1991. Born in Romania but living in Israel, his career has included teaching at the Israel Institute of Technology (where he was one of the founding members of the Lowdermilk Faculty of Agricultural Engineering), the Department of Oceanography at the Hebrew University of Jerusalem, and at the Interuniversity Institute in Eilat, The Red Sea. On an international level, he has frequently worked on behalf of UNESCO and SCOR (Special Committee for Oceanic Research), serving as first chairman for the UNESCO- sponsored Advisory Council for all oceanographic sorting centres in the world. He has also served as a member of the Group of Experts on the Preservation of Materials in the Marine Environment, sponsored by the OECD. He has also undertaken extensive research both in California and Germany. He has published widely and frequently spoken at international conferences, recently on the topic of the Impact of Man-Induced Perturbation on Marine Ecosystems.

Dr. Ing. **Gunther Klein**, in addition to being a concert singer, and chairman of the Committee for Freedom and Responsibility of Scientific Work in the German Society of Chemists, he has been active in environmental research related to marine biology, aquatic chemistry, lake restoration. As head of the Biological Laboratory of the Drinking Water Hygiene Department of the Federal Health Office of Germany in Berlin, he has advised engineering societies for water supply and treatment systems in developing countries.

Dr. **Stefan Klein** is a practicing medical doctor in Belgium. Since World War II, he has been involved in environmental affairs, such as WHO and CEC. In 1965 he became the founder and president of the Belgian Society for Protection of Life and in 1973 of the Society for Research on Civilization Diseases and on Environment in Luxembourg. He has published many papers on medicine and related subjects.

Haim Klugman, Esq., director general of the Ministry of Justice and Chief Judge of the Disciplinary Tribunal of the Israel Broadcasting Authority, has been chairman of the Interministerial Committee for Ecology, the Government Lawyers Association, and a member of the Central Committee of the Israel Bar Association.

Bert Koh is a member of the board of directors of the UN Association of Singapore.

Professor Jiro Kondo is Director General of the Research Laboratory of Innovative Technology for the Earth (RITE). His is also Professor at the University of Tokyo and Dean of the Engineering School, as well as Professor of Mathematics at the Chiba University. Professor Kondo directs the National Institute of Environmental Studies and has also served as President of the Science Council of Japan, as well as President of the Central Council for Environmental Pollution Control. He has been awarded the Ouchi Medal, the Deming Medal, the Purple Ribbon Medal and the Grand Cordon of the Order of the Sacred Treasure.

Dr. **Krzysztof Korzeniewski**, a former vice-Rector of the Pedagogical University of Slupsk, is presently Professor of Marine Chemistry and Marine Environmental Protection at the University of Gdansk, and chairman of the Polish National Committee on Oceanic Research. He was principal investigator for many research projects, and has written four books and published over 100 papers on the topics of air pollution, chemical oceanography and environmental protection. He serves as a member in several professional societies and organisations some of which are: Societas Internationalis Limnologiae, the Polish Chemical

Society, the Polish National Agency of Environmental Protection and the Polish Hydrobiological Society.

Bernard K. Kuma is the chairman and managing director of a Ghanaian textile company. He was the former special advisor and chairman of the Supreme Military Council and Head of State in Ghana. He has been a member of the Ghana National Development Commission, and is, at present, the honorary President and chairman of the board of trustees of the UN Association of Ghana and WFUNA.

Kitty P. Kyriacopoulos, Honorary Chairman of the Board of Silver and Baryte Ores Mining Co., was born in Romania and received her basic education in England and France. She is a graduate of Mount Holyoke College, USA, with degrees in physics and mathematics, and pursued graduate studies at Columbia University. From 1970 to 1980 she was the President and Managing Director of the Eliopoulou-Kyriacopoulou Mining Complex - presently the Silver and Baryte Ores Mining Co. - and served as Chairman of the Board from 1986 to 2000, when she handed over the management to her son.

Ambassador **Abdelaziz Laabi** graduated from the Economics and Finance section of the Moroccan School of Administration in Rabat and the National School of Administration in Paris, and began his diplomatic career at the Ministry of Foreign Affairs in 1975 as chief of the General Administration Department. He has been director of the Cabinet and Secretary-General of the Ministry of Information and is, since 1985, Ambassador and director for Administrative Affairs at the Ministry of Foreign Affairs and Cooperation. He is the recipient of several orders, the last being the Chevalier de l'Ordre du TrAne and also a writer and a painter of modern art whose work has been exhibited in Rabat and Athens.

Dr. **Christian Karl Leipert** graduated from the University of Hamburg in economics and law. After studying economics and sociology at the Free University of Berlin, he became a research assistant at the Faculty of Economic and Social Science of the University of Augsburg, Bavaria, later receiving his Ph.D. and Dr. Rer. Pol. in Inadequacies of the GNP as a Welfare Measure. Since 1983 he has been a fellow of the International Institute of Environment and Society, at the Science Center, Berlin.

Dr. **Colin D. Levings** is research scientist for the Department of Fisheries and Oceans of the West Vancouver Laboratory, British Columbia, Canada, associate editor of the Canadian Journal of Fisheries and Aquatic Sciences. Author of 136 scientific papers and reports and co-editor of two books, Dr. Levings is also a member of the Canadian Society of Zoologists, the Pacific Estuarine Research Society, the Estuarine Research Federation, and the Norwegian Association of Oceanographers. He enjoys permanent status as a research associate in the Department of Zoology at the University of British Columbia, and regularly lectures in benthic ecology in the Department of Oceanography.

Professor Frederic A. Lints is Director of Studies at the European Association for Society, Science and Technology in Louvain, Belgium. He is currently President of the Association of Engineers of the Faculty of Agronomic Sciences at the Catholic University of Louvain. He has also been President of the Royal Federation of Belgian Association of Civil and Agronomic Engineering. His wide teaching experience includes the University of Wales, Rabat (Morocco) and Burundi. For his many accomplishments, Professor Lints was made an Officer of the Order of Leopold and was awarded the Joseph Schepkens prize by the Royal Academy of Belgium. In 1992, he received the Civil Medal, First Class. Since 1991 he has been a member of the editorial boards of the magazine Louvain, and the Journal of Engineering, as well as President of the Commission of Publications for the Royal Federation of Belgian Association of Civil and Agronomic Engineering.

Haris Livas, former head of the Athens News Agency Feature Service is, at present, the director of International Relations at the Ministry of National Economy in Greece. She obtained a B.A. at Syracuse University and M.Litt. from the University of Pittsburgh with Ph.D. work undertaken at the University of Munich. As Deputy Director of Doxiadis Associates she was the first woman in Greece to hold a top executive/creative position in an international company. She has been a university lecturer for 14 years and as a professional journalist has contributed to many local and international publications. She has worked in radio and television and as a professional copywriter. She is a member of many organisations and has spoken at national and international forums.

Dr. **Phillip S. Lobel**, received his B.A. in Zoology from the University of Hawaii and a Ph.D. in Biology from Harvard University. He is presently assistant scientist at the Woods Hole Oceanographic Institute and associate in oceanography, Center for Earth and Planetary Physics, Harvard University, co-chairman of the Biology Working Group and a Steering Committee member, he is involved in the Hawaiian Oceanographic Experiment and is author of numerous articles on the topics of oceanography and ichthyology. He is a recipient of many academic and research awards.

Professor **Horst Malberg**, from the Federal Republic of Germany, was awarded the Diploma in meteorology and climatology in 1965. He received a Ph.D. in the same field and became a Professor in 1970. Since then, he has been the acting Director at the Institute of Meteorology at the Berlin Free University and has carried out research in the fields of air pollution, synoptic meteorology, satellite meteorology and urban climate.

Commissioned in the Cavalry in 1950, His Excellency, the Ambassador of Pakistan **Muzaffar Khan Malik** held various Command Staff and Instructional appointments in the Pakistan Army (1950-1974). On retirement from the Army as Brigadier General he was appointed as Secretary in the Federal Government and thereafter served as Chief Secretary of the Province of Punjab. He also served with the United Nations Temporary Executive Authority (UNTEA) in Netherlands New Guinea now West Irian. He was Ambassador of Pakistan to Greece from 1981 to 1986 and again from 1989-1991. He holds an Honours Degree from Punjab University, is a graduate from the United States Army Armour School Fort Knox, was mentioned in despatches for his war services and was awarded a Golden Stripe for being critically wounded in action.

Professor Mikhail N. Manakov is currently Director of the Institute of Food Substances of the Russian Academy of Science, and Head of the Chair of Industrial Biotechnology at the Mendeleev University of Chemical Technology. Author of more than 200 scientific papers and patents in the field of chemical technology and biotechnology, his current interests are in the microbiological synthesis of biologically active substances, food chemistry and biotechnology and ecological problems in industry.

Professor **George M. Maniatis** obtained his M.D. and Med.Sci. from the University of Athens Medical School, and a Ph.D. in biochemistry from M.I.T. A former Rector of the University of Patras and visiting Professor to M.I.T., he is presently the President of the Hellenic Society for Human Genetics, and Professor and Director of Biology at the University of Patras Medical School. He is a recipient of the "Medical Foundation Fellow", and the "J.T. Hirschl Career Scientist" awards.

Dr. **Aldo Manos** is a senior official of the United Nations. He holds degrees in international law and political science from the University of Genoa. He joined the United Nations in New York in 1962 and later, in Thailand, became responsible for the United Nations regional projects for Asia and the Far East. He was on the staff of the United Nations Conference on the Human Environment in Stockholm which approved a global plan for environmental

protection and recommended the creation of the United Nations Environment Programme. Dr. Manos joined the new organisation in Nairobi, Kenya, as Chief of Programme Management and later became Deputy Director of the United Nations Environment Fund. In 1980 he was appointed as the first co-ordinator of the Mediterranean Action Plan in Geneva, at the same time acting as UNEP Director for Europe.

Professor **Emmanuel E. Marcoglou** received his B.A. in government and international relations, and M.A. in international relations, from the University of Connecticut, and his Ph.D. from New York University, Government Department-Area Studies Program, Middle Eastern and African Section. He is presently a Professor at Deree, the American College of Greece, and is Division Manager and advisor of the American Life Insurance Company, and a Scholarship Trustee of the Hellenic Canadian Association. He has published many articles on American-Greek relations, and has served as former Foreign Editor of the Athenian weekly, the Greek-American review "Ellinika Chronika".

Professor **Uri Marinov** is Director General of the Ministry of the Environment of Israel and Professor of the Environmental Sciences Division, Hebrew University and the Faculty of Architecture and Town Planning, Israel Institute of Technology. Educated in the United States, he is a member of many national and international councils and societies in the areas of environmental management and education, resource management and environmental development. He received the UNEP global 500 Award for Environmental Achievement in 1989 and has published extensively on the environment in Israel, environmental planning, coastal management, and environmental quality.

Georges Martin is a leading expert in the area of arid zone agricultural projects in developing countries, now residing in Paris. His scientific training as an Ingenieur IAN is in agronomic engineering. He is also a consultant in international co-operation in agriculture, and has worked as director of agricultural missions and agronomic research, publishing numerous articles on the exploitation of agrarian systems. In recognition of his work, he has been appointed Chevalier de l' Ordre National du Merite. He is also a founding member of the Biopolitics International Organisation International University for the Bio-Environment (I.U.B.E.).

Dr. **Vaclav Mejstrik**, botanist and ecologist, graduated from the Agricultural University of Prague with a degree in agronomy and has also received a degree in natural science and biology from Charles University. He obtained his Ph.D. and D.Sc. at the Czechoslovak Academy of Science. Dr. Mejstrik continued his studies at the University of Canterbury in New Zealand, at the University of New Brunswick in Canada and at the Institute of Soil Microbiology at the Academy of Sciences in the former U.S.S.R. In the course of studying and researching his fields of interest, Dr. Mejstrik has travelled to twenty-five different countries. He has also published close to four hundred different scholarly titles as well as several books. Dr. Mejstrik, currently Director of the Institute of Landscape Ecology of the Czech Academy of Sciences, was formerly also the Director of Technical Management for the South Bohemia Biological Centre in Ceske Bodejovice.

Dr. **Pia Elena Mihnea** holds a Ph.D. in biological sciences and is a researcher in marine biology at the Romanian Marine Research Institute. Author of seven books and 47 scientific papers on the effects of pollution on the Black Sea, Dr. Mihnea specializes in ecophysiology-ecotoxicology and natural marine monitoring against pollution. She contributed six chapters to the Algological Treatise being edited for the first time in Romania, for whose elaboration she received the Emanoil Teodorescu Prize in 1983. She is a member of the International Commission for the Scientific Exploration of the Mediterranean, a member of the Biological Society of Romania, and the vice-President of the Society for cellular Biology and Pathology.

Professor Dr. **Andreja Miletic** graduated from the Faculty of Law, University of Belgrade, and received a Diplome d'Etudes Superieures Europeennes, Centre Europeen Universitaire, Universite de Nancy, France. He obtained a Ph.D. in Political Sciences from the Faculty of Political Sciences, Belgrade, where he now works as Professor of International Relations. He is President of the UN Association of Yugoslavia and a member of the Executive Committee of the World Federation of United Nations. He has written two books and many articles on the Theory of International Relations, United Nations, Security and Disarmament.

Professor **Terence John Mills** earned his Ed.D. at Indiana University and is now a member of the faculty of Oklahoma State University. His areas of expertise are science education and environmental

Professor **Terence John Mills** earned his Ed.D. at Indiana University and is now a member of the faculty of Oklahoma State University. His areas of expertise are science education and environmental education on which he has published 38 articles, and has received extensive funding in his efforts to promote environmental research. He also directs the board of the Alliance for Environmental Education.

Professor **Anton Moser** is Chairman of the Institute of Biotechnology of the Technical University of Graz and President of the Austrian Association of Bioprocess Technology (UGBPT). His main interests lie in bioprocess technology and he has undertaken teaching and research missions as Visiting Professor at Universities in Europe and Canada and has written more than 120 scientific papers. Professor Moser belongs to the editorial boards of several journals and international organisations.

Professor Nicholas Moussiopoulos is the Director of the Laboratory of Heat Transfer and Environmental Engineering at Aristotle University, in Thessaloniki, Greece, as well as a lecturer in Mechanical Engineering at the same university and Honorary Professor of Karlsruhe University in Germany. As head of a 30-strong member scientific team, Professor **James P. Muldoon Jr.** received a B.A. from St. Louis University and an M.A. in Political Science from Miami University, Ohio. He earned a Certificate as a Specialist of European Community Operations. He joined the White House as a Correspondence Analyst, and later the American Enterprise Institution where he worked as research assistant for AEI scholar Michael Novak. He is now Assistant Field Director of the UNA-USA and responsible for the Model UN and the Youth Department.

Moussiopoulos has conducted countless research programmes, the majority of which have been funded by the EU. He has also acted as advisor to the Greek Minister for the Environment and Public Works and represents Greece at the International Scientific Committee of the EUROTRAC-2 programme, which co-ordinates European research into atmospheric pollution. He is actively involved in the European Environmental Organisation's Centre for Atmosphere and Climatic Change, as well as being a regular member of the National Experts' Research Committee. He is also Co-ordinator of the Environment Committee of the Aristotle University of Thessaloniki. Professor Moussiopoulos' research work centres on the protection and conservation of the environment, as well as on the correct and responsible use of energy.

Professor **Evangelos A. Moutsopoulos** studied at the Universities of Athens (M.A.) and Paris (Doctorat d'Etat). He has lectured and held the post of visiting Professor and research fellow at numerous universities and research institutions in Europe and the U.S.A. A member or honorary member of numerous national and international societies, Dr. Moutsopoulos has presented papers to more than 200 international meetings on philosophy and organised several of them. He is President of the Foundation for Research and Editions of Neohellenic Philosophy, director and editor of the Corpus Philosopharum Graecorum Recentiorum, and

also director and editor of the international philosophical review *Diotima*. He has written some 40 volumes and 400 articles on ontology, axiology, aesthetics, the philosophy of history and the history of philosophy.

Paul Ng is a member of the Board of Directors of the UN Association of Singapore.

Lala Nicolis studied history and archeology at the University of Athens, and continued with graduate studies at the Universities of Paris, Colorado and Michigan State. She is a founding member of International East Club of the Greek Soroptimist Union, General Secretary of the Greek Soroptimist Union (1986-88), a Coordinator of Education (1988-90), has participated in many conferences and meetings, and is involved in many projects concerning family psychology.

Professor Yaman Ors, M.D. is Professor of Medical Ethics in Ankara University Medical Faculty, and has been teaching on the methodology and conceptual aspects of life sciences at the Biology Department of Middle East Technical University (METU), Ankara. He received diplomas in pathology and medical history and deontology, and recently obtained a Ph.D. in the philosophy of Science at METU. His main interests are the methodology of philosophy, bioethics, medicine and history; theoretical aspects of pathology and biology; the concept of evolution; and the ethical aspects of man-nature relationship. He has been abroad for various purposes and for different periods of time, spending the 1987-1988 academic year as a Fulbright scholar in the United States. He is currently a member of CAHBI, Comite Ad Hoc d'Experts sur la Bioethique, in the Council of Europe.

Dr. Frederick So. Pada is the President of the Technological University of the Philippines in Manila. He received his B.Sc. and M.A. degrees in the same university and his Ed.D. at Centro Escolar University. He has had many years of experience in government service in scientific, technological and educational fields. He is a member of numerous committees on local and international topics and has also won awards for his activities in the field of education. He is the author of *Vocational Education: New Directions and Imperatives*, published in 1974, and has attended conferences and seminars in the Philippines and abroad, and presented papers on educational topics.

Professor **Basil C. Papadias** has been Professor of the Chair of Electric Energy Systems at the National Technical University of Athens since 1975. His M.A. and Doctorate in engineering, were awarded by the Ransselear Polytechnic Institute, Troy, USA. His current research includes dynamic analysis of power systems, transient stability and renewable energy sources. He is author or co-author of numerous research papers and several text books; he has also participated in, and chaired, numerous international meetings and scientific conferences. Memberships include CIGRE (Conference Internationale des Grands Reseaux Electriques), Study Committee 13 CIGRE, and the Administrative Council of CIGRE. He is currently Chairman of the European IEEE Chapter Co-ordinating Committee.

Dr. Michael D. Papagiannis is Professor of the Department of Astronomy of Boston University and trustee of the Hellenic College/Holy Cross School of Theology, Brookline, Massachusetts. He has taught at the Universities of Athens and Crete as visiting Professor of Astrophysics and holds many national and international distinctions. His areas of teaching and research include space physics, radio astronomy, infra-red studies of asteroids with the IRAS satellite and bioastronomy. His works, which he has published prolifically, have been translated into eight languages and he has continuously been awarded research grants since 1965. Professor Papagiannis is a member of several learned societies and is listed in *Who's Who in the World*.

Professor John Papaioannou's long and varied career has encompassed widely differing elements. As a practising musician, he has given numerous keyboard recitals in Greece and abroad, he has lectured and written on music extensively, and was co-founder at the Studio of New Music at the Athens Goethe Institute, in 1962. He is General Secretary of the Hellenic Association for Contemporary Music, and was Vice President of the Executive Council of the International Society for Contemporary Music Education in Greece. After the Second World War he was involved, with C.A. Doxiadis, in the evolution of the new science of Ekistics, to reconstruct the urban settlements damaged by war. In 1951 he became Head of the Department for the Economic Reconstruction of Greece, being responsible for all branches of economic activity involved. In 1964 he became Director of Research at the new Athens Centre of Ekistics. Since 1975, he has acted as their adviser. He was also President at the World Society of Ekistics from 1991 to 1993.

Hilkka M. Pietila received her M.Sc. in Nutrition, from the University of Helsinki. She has been a member of the Executive Committee of WFUNA, a member of the Finnish National Commission for UNESCO, the International Foundation for Development Alternatives Council, the Association of Home Economists in Finland and is now vice-President of WFUNA. She has published articles in a great number of international conferences and for her feminist ideas and activities.

Professor **Giulio Pontecorvo** teaches Economics at the Graduate School of Business, Columbia University. He has served on the Department of State Advisory Committee on the Law of the Sea, several National Academy of Science committees and the Advisory Committee on Economics for the Food and Agricultural Organisation. Currently, Professor Pontecorvo is Director of the Center for Business and Government Studies, which includes the Center for Food Policy Studies and the Center for International Business Cycle Research, at Columbia University. He is chairman of the Senior Advisory Committee for the Program in Marine Affairs at Woods Hole Oceanographic Institution, and serves on the Executive Board of the Law of the Sea Institute, and the Advisory Committee of the Lamont-Doherty Geological Observatory. He has published widely on the economics of fisheries and marine resources.

Dr. **Amram Pruginin** is Deputy Director General of the Israeli Ministry of the Environment and an active participant in the National Focal Point for Mediterranean Action Plan (MAP) and its related activities. He has lectured at the Departments of Political Science at Hebrew University and the University of Tel Aviv on environmental management and planning and the evaluation of environmental impact analyses. He has written books, studies, reports and articles on local and regional environmental quality and pollution and is responsible for the administrative aspects, budget preparation, and organisational structure of the Ministry of the Environment.

Dr. **Stanislaw Radwan** completed his doctorate at the University Mariae Curie Skłodowska and commenced his professional career at the Academy of Agriculture in Lublin, Poland, where he has been full Professor since 1989. He has specialised in the ecology of water animals, especially invertebrates, and the human impact on the protection of inland waters, about which he has published 60 original scientific papers and 35 scientific articles. Professor Radwan has been participating in many international, limnological congresses and has organised national hydrobiological meetings, conferences and seminars.

Dr. **V. D. Ramamurthy** is Joint Director of the Marine Products Export Development Authority of India. He has represented the Indian Economic Mission to the EEC and presently attends to technical matters pertaining to marine pollution while coordinating the Authority's activity with national institutes and international bodies for developmental activities. He has

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Felicitas Richter is the Secretary General of the UN Association of Germany and has served as vice-President of WFUNA.

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Professor **Michael J. Scoullos** obtained an M.Sc. and D.Sc. from the University of Athens and later received a Ph.D. in Oceanography from the University of Liverpool, and a Professorship of Environmental and Marine Chemistry from the University of Athens. He is President of the Greek National Committee of the University of Athens and the Greek National Committee of the European Environment Bureau, and the E.E.B., and a member of the Mediterranean Scientific Association for Environmental Protection, the European Association for Marine Sciences and Technology, the Greek National Commission for UNESCO, and the Environment Group of the Society of Chemical Industry in the United Kingdom.

Professor **Constantinos Sekeris**, a specialist in biochemistry, cell and molecular biology, is currently Director of the Biological Research Center, Professor of Biochemistry at the University of Athens and Honorary Professor of Heidelberg. He has published extensively in the fields of hormone action, eukaryotic, molecular and cell biology, and insect developmental biology. He is a member of several professional societies and organisations, some of which are: the Hellenic Bio-Chemical and Biophysical Society, the German Society of Biological Chemistry, the Biochemical Society of the UK, EMBO, and the Hellenic Society of Biological Research.

Dr. Liduvina R. Senora holds a Ph.D. in educational management and supervision. She is Executive Secretary of the UN Association of the Philippines, president of the National Federation of UNESCO Clubs and Associated Schools in the Philippines, and vice-president of the Asian Federation of UNESCO Clubs and Associations in Tokyo, Japan. She has published several books dealing with education and social studies and has been a member of

the Executive Committee of the World Federation of UNESCO Clubs and Associations. In recognition of her efforts for the realisation of world peace, international understanding and co-operation, Dr. Senora has received many national honorary awards.

Dr. **Guy Sergheraert** received his Ph.D. in Pharmacology from the University of Lille, France. He has been Director-General for Quality Control and Production Director for Groupes Pharmaceutiques. Presently, he directs the Centre de Valorisation des Glucides et Produits Naturels in Amiens, France, whose aim is to enlarge the dimensions of biotechnology and to enhance greater respect of the bio-environment.

Professor **Necdet Serin** was born in Izmir in 1933. He graduated from the Faculty of Political Science, Ankara University in 1957, becoming a Full Professor in 1976 and Dean of the Faculty of Political Science from 1982 to 1987. Professor Serin is the President of the Turkish Economic Society and the Turkish Economic Society Foundation, council member of the International Economic Association, member of the administrative board of the European Community Society and member of the administrative board of the Public Administration Institute for Turkey and the Middle East. He is also a founder member of the Turkish Marketing Foundation. He has represented Turkey in many meetings as head of the Turkish delegation. He has published numerous articles and four books on Turkey's economic development and foreign trade.

David W. Shapiro is an adjunct faculty member in the graduate program in communications at Simmons College, Boston. A former public school teacher in a variety of multi-cultural settings, he is an educational media producer presently researching Mankind-Media-The Natural World. He is a doctoral candidate in Educational Media and Technology at Boston University.

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Dr. Nadezhda Shulenina holds a Ph.D. from the Faculty of Philosophy, Moscow University. A specialist in "Ecology and the Human Future," her interests also include philosophical aspects and analyses of bios and its preservation, ecological consciousness, culture and tradition.

Professor Udo Simonis is a research professor in environmental policy at the Science Centre Berlin and former member of the German Advisory Council on Global Environment Change. He studied economics at the University of Mainz and the University of Freiburg, and received a Ph.D. from the University of Kiel. His previous positions include Personal Advisor to the President of Zambia, Research Fellow at the University of Tokyo, Professor of Economics at the Technical University of Berlin, Visiting Professor at the Chinese University of Hong Kong and Director of the International Institute for Environment and Society at the Science Centre Berlin. Professor Simonis is the Chairman of the Association of German Scientists and a member of the Advisory Committee of the Development and Peace Foundation.

Dr. **V.L. Souponitsky** graduated from Moscow State University in 1968 (biological faculty, department of biophysics), and has been working there, first at the laboratory of bionics where he examined problems of sensory physiology and modelling of receptors' functions, and later at the department of hydrobiology, where he headed a research team charged with

monitoring of aquatic ecosystems. He is doctor of biophysics and has 60 scientific publications and 12 patents to his credit. In 1982, V.L. Souponitsky was awarded the USSR Council of Ministers Prize for research into ecology of aquatic ecosystems. He participated in complex expeditions to the Pacific, Indian, Atlantic and Arctic oceans, and in research programmes carried out by research vessels and various underwater devices. At the present, Dr. Souponitsky heads a laboratory of complex ecological investigations and ecological expertise and is General Director of the consortium EcoAqua.

Professor **Antonio Manuel de Sousa Otto** teaches at the University of Algarve. As Director General Adjoint for Development in Mozambique, and as General Director of the Ministry of Industry and Trade in Portugal, he has had numerous responsibilities relating to industrial and environmental development both in Portugal and in Mozambique. He has published articles on land survey and agronomy.

Peter Stavroulakis obtained a Ph.D. in Electrical Engineering from New York University. He has worked at Bell Laboratories on new telecommunications services. He spent three years at Oakland University and two years at the University of Athens. He has been managing director of ATT International (Greece) Ltd., and is presently marketing the entire NYNEX product/services portfolio in Europe. He serves on the Board of Editors of the Journal of the Society for Machine Intelligence. He has prepared and edited two special issues in the Benchmark Book series and co-edited a special issue of the Journal of the Franklin Institute. His publications include a book on satellite intersystem interference and numerous technical papers and journals.

Dr. Jaroslav Stoklasa, member of the Czech Academy of Sciences, Honorary Advisor to the Czech Minister of Environment and member of the Steering Committee of the Society for Sustainable Living, has also held the post of Vice-Director for Economy and Management at the Czech Institute for Biology and Genetics and was involved in research at the Institute for Architecture, Human Environment and Landscape Ecology. During his tenure at the latter institute, he developed the principle of "anthropoecology" and later became head of the Department of Anthropoecology. Dr. Stoklasa has been very active in non-governmental environmental movements, prior to the velvet revolution, and published classified information on the state of the environment. A working member of the ECO Group at the Vienna Centre, he has also co-operated with the IIASA in Laxenberg, Austria, and served as Advisor to the Minister of Environment and Member of the Czech Commission for Co-operation with the IIASA. Author of over 150 papers and articles and guest lecturer of many European Universities, Dr. Stoklasa is currently retired and works as a private environmental consultant.

Professor **Charles Susanne** is Professor of Human Genetics and Dean of the Faculty of Sciences at the Free University, Brussels. He is President of the European Association of Faculties of Sciences, Director of the Erasmus and Tempus Programme Biology, President of the European Association of Human Ecology, Secretary General of the European Anthropological Association, Director of the Centre of Bioethics (VUB), Member of the Belgian Academy of Overseas Sciences and associate editor of the American Journal of Human Biology and the International Journal of Anthropology. He is also a member of numerous international learned societies and has been involved as referee and editor in the publication of many newsletters and journals on human evolution, anthropology and human biology. He has organised congresses and colloquia, presented papers and participated in conferences all over the world.

Dr. **Erich Taubert** studied biology, pedagogics and psychology at the Universities of Vienna, Jena and Leipzig. He is currently a Professor of Physiology and Health Education at the Teachers Training College at Erfurt, an active member of the UNA, and a leading member of the National Health Education Committee.

Dr. **Robert T. Taylor** is the British Council representative in Greece. He holds a B.A., M.A. and D.Phil. from Oxford University. He has been a research associate and Fulbright Scholar at the University of Michigan, and ICI Research Fellow at the University of Liverpool. He has travelled to India, Spain and Mexico as the British Council representative, has contributed to Chambers Encyclopaedia and has published many papers in scientific journals.

Alexis Theodossiadis studied Architecture and Planning at the Politecnico di Milano, Italy, and later became assistant lecturer in Architecture at the Faculty of Civil Engineering. He is currently vice-President of the Association for the Protection of the Cyprus Environment. He was appointed by the Environment Office of the European Economic Committee to chair the working sessions of the International Conference for the Protection of the Mediterranean Sea and is also a founding member and Secretary of the Association for the Protection of Old Nicosia. He served as board member for Tourist Planning and was recently appointed member of the Planning Board in Cyprus.

Professor **Spyros Troianos** studied law in Athens and Byzantine history and philology in Munich. He collaborated with the Bavarian Academy of the Sciences and with the Center for Research of the History of Greek Law at the Academy of Athens and served as General Director of Religious Affairs for the Greek Ministry of Education. Professor Troianos became lecturer, Associate and Full Professor of the University of Athens and, since 1984, a member of the Board of Administration of Ionian University. He is primarily concerned with Byzantine law, in Athens as well as in Frankfurt, as permanent collaborateur of the research programme for the re-publication of Byzantine legal sources. Professor Troianos publishes the scientific series *Forschungen zur Byzantinischen Rechtsgeschichte* Athenere Reihe. He has authored approximately ten books and 100 studies in Greek and foreign periodicals, honorary tomes of conferences.

The principal Administrative Officer in the Federal Civil Service of Nigeria, **Justina Nkiru Uwechue** is a barrister-at-law of the Supreme Court of Nigeria. She is also Vice-President of the UN Association of Nigeria, a member of the Nigerian Institute of International Affairs, and an ex-member of the Board of Trustees of Southern Africa Relief Fund (SARF).

His Eminence the Metropolitan of Chalcedon Mr **Vartholomeos** was born on the island of Imvros, Turkey, in 1940. In 1961, he graduated from the Theological School of Halki. Soon later he was ordained to the Holy Diaconate. He continued his studies at the Pontifical Oriental Institute of Rome (Ph.D), the Ecumenical Institute of Bossey, Geneva and the University of Munich. From 1968 to 1971 he served as Assistant to the Dean of the Theological School of Halki. He was ordained to the Holy Priesthood in October 1969 and was elevated to the rank of archimandrite four months later. In 1972, he was appointed administrator of the newly established Patriarchal Office by His All Holiness Ecumenical Patriarch Dimitrios. He maintained this position until elected Senior Metropolitan of Chalcedon, in January 1990. As member of the Holy Synod, he participated in numerous Synodical Commissions. He is one of the founders of the Society of Canon Law in the Oriental Churches. He participated in the Official Theological Dialogue with the Roman Catholic Church, the 4th, 6th and 7th General Assembly of the World Council of Churches. He has been called to represent the Ecumenical Patriarchate in various delegations.

Androulla Vassiliou, barrister-at-law, has studied law and international relations at the Middle Temple Inn of Court and University College London. She has organised numerous UN meetings in Cyprus, and served as vice-Chairperson of the Executive Committee of WFUNA and as Secretary-General of the UNA of Cyprus. She is a member of the Cyprus Association for Equal Rights and Duties for Men and Women and vice-Chairperson of the Committee for the Restoration of Human Rights Throughout Cyprus.

Melchior Wathelet, Vice-Prime Minister of Belgium and Minister of Justice, former Minister-President in charge of New Technologies and External Relations for the Walloon Government (Belgium), received Economic and law degrees from the University of Liege, and a Master of Law from Harvard University. He has been a City Council member, a member of the Belgian Parliament and a guest Professor at the Catholic University of Louvain.

Dr. **David Watts**, Dean of the School of Earth Resources at the University of Hull, is the founder-editor and chairman, Board of Advisors, of the Journal of Biogeography. He is chairman of the First International Congress of Biogeography (1989) and has published articles and books, including: *Man's Influence on the Vegetation of Barbados*, *Principles of Biogeography and Development*, *Culture and Environmental Change in the West Indies*. He is currently a Consultant for the Seeds of Change Program at the Smithsonian Institution, Washington D.C.

Professor **David R. Weinberg**, Director of the Montessori Teacher Education Center, received his Master's degree from Columbia University and his Ph.D. in comparative literature from Michigan State University. He is a translator of Modern Greek literature, publishing criticism on Alexandros Papadiamandis and is currently translating the scholarly essays of Nikos Kazantzakis. He is a board member of the Hellenic Heritage Foundation, New York, and co-founder and board member of the American-Hellenic Alliance in Washington D.C.

Professor Dr. **Ernst Ulrich von Weizsaecker** is the Director of the Institute for European Environmental Policy, with branches in Bonn, Paris and London. He has received the Diploma of Hamburg University for his studies in Chemistry and Physics, and the Dr. rer. nat. from Freiburg University in Biology. He continued with interdisciplinary research in Heidelberg, and served as Full Professor for Interdisciplinary Biology at Essen University. He was Founding President of the University of Kassel, and Director at the United Nations Centre for Science and Technology for Development. His numerous publications are in the fields of environmental policy, the theory of open systems, technology policy and university education.

Stef Wertheimer has devoted much of his time to upgrading technical education by co-founding the apprentice training school Zur and chairing the board of Bosmat Technical High School, affiliated with the Technion, for eight years, and the Education Committee of the Nahariya Municipality for two. Apprenticed in optics and fine mechanics and having worked in the military industry, he has been involved in the establishment of manufacturing plants for aeronautic devices. He was a member of the 9th Knesset and is heading the project to establish Israeli industrial parks, and is responsible for the actualisation of the concept of planned residential living in Israel with the creation of Rose Town in Western Galilee.

Dr. **Georg Winter** is a member of the Board of Management of Ernst Winter & Sohn (GmbH & Co), where the integrated system of environmental management (Winter Model) was developed and on which the book *Business and the Environment* is based. He is also a founding member and Chairman of the Board of the Bundesdeutscher Arbeitskreis für Umweltbewusstes Management (B.A.U.M.), the German Environmental Management Association. He belongs to the environmental committees of the Federation of German Chambers of Industry and Commerce (DIHT) and the German Machinery and Plant Manufacturers' Association, and also sits on the jury for decision on the "European Better Environment Awards" of the EC Commission.

Dr. **Richard Witt** read classics at Trinity College, Cambridge, undertook post-graduate studies at the Bibliotheque Nationale in Paris and earned his doctorate for a dissertation on

ancient Greek music at the University of Reading. He has done post-doctoral research at the University of Birmingham and has worked for the Classics Department of King's College, Wimbledon. Dr. Witt is also a consultant on rare books and special collections.

Lin Chun Yu took a degree in Chemistry at Heilongjiang University, China. He directed the Chemistry Department of the Anshan Iron and Steel Research Institute in China, served as assistant pollution control officer at the Environmental Health Department of the City Council of Sheffield, U.K., and was deputy director and senior engineer on environment protection for the Environmental Protection Agency of the Anshan Municipal Government. Currently, he is deputy director of the Pollution Control Department of the National Environment Protection Agency of China.