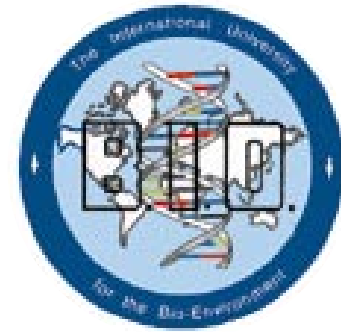


# Bio News

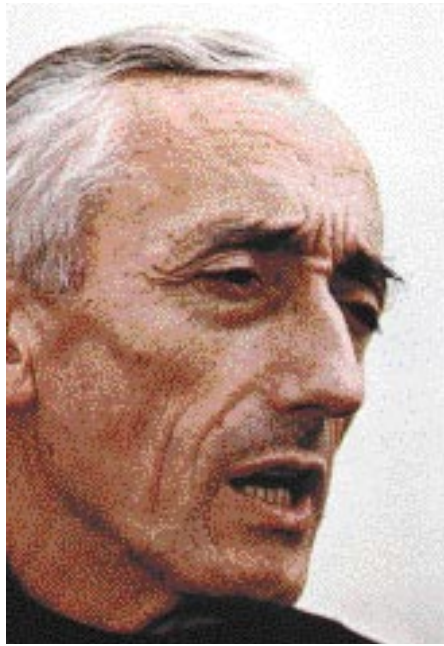


No. 6 - April, 1996

A newspaper for the appreciation and protection of the bio-environment, a shift from an anthropocentric to a biocentric vision

## Jacques-Yves Cousteau

### Awarded First Bios Prize



explore the limitless biodiversity of the planet's oceans and raise awareness of the most important task of protecting and preserving this biodiversity. Commander Cousteau explains that : "Humans exist because, our planet, the earth, is the only planet where life can exist. And the reason life exists is because our planet is a 'hydroplanet'. Water is as scarce in the universe as life

oceans are the driving forces, allowed life to originate. Ocean means LIFE."

We are not only witnessing the turn of the century, but we are on the doorstep of a new millennium. In order to welcome this new millennium with a vision of hope and acquire strength for facing the challenges ahead, it is essential to acknowledge and promote positive contributions that can uplift our spirit and guide us towards a constructive and productive future. Commander Cousteau is one of the few people whose accomplishments can help promote this positive vision. He has worked tirelessly to further the idea of protecting life on our planet and, through groundbreaking research, has continuously offered unique information on the intricacies and beauty of bios. As the century is drawing to a close, his achievements represent one of the most positive contributions to humanity. By awarding the First Bios Prize to Commander Cousteau, the B.I.O. hopes to set the pace for a millennium of hope, understanding and harmonious co-existence of all forms of life.

**" In view of the upcoming Olympic Games, maybe it is time to re-evaluate what the Olympic Spirit should be all about "**

On the occasion of the last Olympic Games of the century and in recognition of outstanding achievement, the Biopolitics International Organisation proudly announces the award of the First Bios Prize to Commander Jacques-Yves Cousteau, as an acknowledgement of his invaluable contribution to the comprehension and appreciation of the bio-environment.

Commander Cousteau was the first to

is, and perhaps we could say that water is synonymous with life. But water is not only rare and valuable, it is also unique, with many exclusive physical and chemical properties. This unique nature, accompanied by dynamic interactions of many elements in the universal 'hydrosystem', of which the sun and the

## Eleven Years of Biopolitics



### a "wake up call" for the bio-environment

Over the course of its 11 year history, the Biopolitics International Organisation (B.I.O.), has laboured to curb environmental destruction and place appreciation of the bio-environment at the core of every human endeavour. In the search for new models for the future, the bio-environment can provide necessary unifying dimensions for the promotion of international cooperation and understanding.

With Greece as its operating base, the B.I.O. has gained international acclaim, with leading representative from 85 countries currently supporting its ideals and dedicated to the world-wide furtherance of its goals.

B.I.O. has held 7 international conferences and many symposia that have significantly contributed to the development of new strategies to secure bio-environmental protection as a primary societal aim. The International University for the Bio-Environment (I.U.B.E.), a Nobel nomination, the Environmental Olympics campaign, Internet and many other projects and accomplishments continue to contribute to the good of the bio-environment. This special edition of *BioNews* highlights the progress made over the past 11 years which will hopefully lead us into a future of "bios-rights."

Although there were many behind the scenes activities, in which the B.I.O. participated, we would like to celebrate 11 years of achievement by highlighting some of the major events.

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## B.I.O. Bank of Ideas

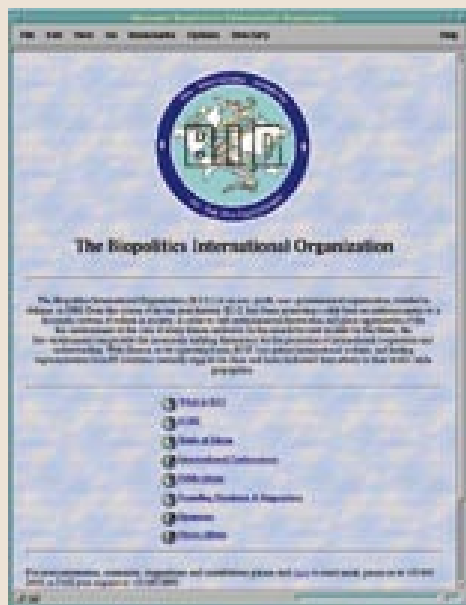
### Mapping the Evolution of Environmental Awareness

The rapid growth of information technology opens up new pathways of knowledge and expands the boundaries of human thought. However, the current environmental crisis is shaking the very foundations of both the private and public sectors. Ethical values, societal structure, and national and international issues have to be re-examined with reference to the new perspectives of

modern society. Bios and the bio-environment can therefore become the new focal points for a re-evaluation of priorities in society and the development of new models and new thinking for the future.

Up to now, only a privileged few had the opportunity of making their reflections and ideas available on a wider basis, and valuable contributions from less prominent individuals are forever gone. Humanity has documented the experiences of historical figures, political and spiritual leaders, scientists and intellectuals, but the wisdom of the general public is not known. Are we aware of mainstream thinking in antiquity? Are we aware of societal norms in the Middle Ages? Certain scholars have recorded general trends, in specific geographic regions, but, we do not have concrete or global documentation of what was widely accepted by ordinary citizens, around the world, or what they considered important.

In order to allow for every individual to express and document their thoughts, B.I.O. has, since 1985, been promoting the establishment of a computerised Bank of Ideas in which any interested party, may deposit their thoughts on environmental issues and create a rich source of information and reflections on bios and



The B.I.O. WWW Home Page <http://www.hol.gr/bio>

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# Sponsors

## that made eleven years of B.I.O. achievement possible

### 1987

Agricultural Bank of Greece; National Bank of Greece; Ministry of Culture; Kitty Kyriacopoulos; A.G. Leventis Foundation; Cipico; N. Frangos; M. Martinos; N. Pateras; Vivechrom; Rank Xerox; Olympic Airways.

### 1988

Ministry of Foreign Affairs - Council of Europe European Public Campaign on North-South Interdependence and Solidarity; Rank Xerox Hellas S.A.; A.G. Leventis Foundation; National Bank of Greece; Ministry of Culture; Olympic Airways; National Tourism Organisation; Interamerican; Thrace Paper Mills (DIANA); G. Petsalis; N. Frangos; M. Hadji-Dai; Agricultural Bank of Greece; Hellenic Industrial Development Bank; M. Martinou; N. Kouvaras; EKO S.A.; General Bank of Greece; G. Vassilopoulos; American Express Bank; Ministry of Culture.

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### 1990

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A. G. Leventis Foundation; Kitty Kyriacopoulos; Ministry of Foreign Affairs; General Secretariat for Youth, Ministry of Culture; Olympic Airways; N. Frangos; G. Vassilopoulos; E. Gatzonis; The British Council; Electra Hotel; Barclays Bank Plc.; Rank Xerox Hellas S.A.; D. Kourtakis; D. Goulandris; A. Potamianos; ELAIS S.A.; G Demakos; Sun Alliance Insurance Hellas S.A.; Cibar Software Technologies, Europe S.A.; Infoware; A. Tombros; Meton S.A.; AEGEK S.A.; Hellenic Bottling Company S.A.; Veitsiluoto Oy, Finland; Hellenic Industrial Development Bank; Lonza Ltd; Vianex S.A.; S. Economidis.

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### 1996

Kitty Kyriacopoulos; I.F. Kostopoulos Foundation; Hellenic Bottling Company S.A.; A.G. Leventis Foundation; Zeneca Hellas S.A.; DUNI AB; Athens Chamber of Commerce and Industry.

## EDITORIAL

### Biopolitics - the Bio-Environment A Vision for the 21st Century

The key word in Biopolitics is Bios - Life. Biopolitics is based on the acknowledgement of the gift of bios as the most precious possession on our planet. However, this precious possession is often overlooked and taken for granted. We may progress towards a more harmonious and productive society if we all recognise the importance of protecting life on our planet and build a new framework for international co-operation based on the appreciation of bios and the bio-environment.



Dr. Agni Vlavianos-Arvanitis, B.I.O. President and Founder

Today, we are witnessing an environmental crisis, jeopardising the very existence of future generations. It is therefore essential to re-evaluate priorities in society, with reference to new biocentric principles, and place environmental preservation at the core of every action and thought. Biopolitics advocates a thorough "bio-assessment of technology," whereby every human endeavour will be oriented towards the protection of bios, in hopes of reversing current destructive trends and escaping misguided technological progress. In Greek mythology, misguided progress is portrayed in the story of the sun god, Helios, and his son Phaethon. Phaethon's precarious driving of the sun-chariot brought him to his own demise. Technological progress currently resembles Phaethon's misguided chariot, charging towards destruction. A long-term bio-assessment of technology may contribute towards alleviating incompatibilities between technological progress and environmental protection and offer new opportunities for prosperity and growth.

Biopolitics has a new vision for the third millennium, a vision based on the harmonious co-existence of all forms of life. Present anthropocentric behaviours have caused society to resemble an inverted pyramid, ready to topple over because it is trying to balance on its unstable tip. If we "re-invert" the pyramid and place the rights of bios as the flat, stable base of the structure, then we can build a harmonious society for the future, where human rights and bios rights will be complementary in the struggle for a better quality of life.

To reach a new state of the world, education is key. In 1990, the B.I.O. founded the International University for the Bio-Environment (I.U.B.E.), in order to provide a comprehensive, biocentric education, outside the confines of conventional environmental science, and achieve environmentally literate global citizens. Within the I.U.B.E. framework, the B.I.O. promotes new concepts including bio-diplomacy, bio-legislation, bio-economics, bio-architecture, bio-history, bio-communications, bio-energetics and bio-arts, with the goal to incorporate environmental dimensions into every academic discipline.

Furthermore, in order to re-enforce incentives for environmental protection on a world-wide basis, the B.I.O. launched, in 1992, an international Environmental Olympics Campaign, with the aim of awarding multidisciplinary Bios Prizes to individuals or institutions that have promoted environmental protection in their activities. The First Bios Prize, which represents a millennium achievement, will be awarded to Commander Jacques-Yves Cousteau, in recognition of his invaluable contribution to the preservation and better understanding of the bio-environment.

Threats to bios are international problems that recognise no boundaries and cannot distinguish between developed or developing countries. Solutions to these global threats require international co-operation, as well as a new approach to economic development and a re-assessment of the concept of profit. This concept should evolve to include qualitative dimensions, such as health, happiness and "internal wealth," which constitute a genuine, diachronic gain for society. Compromising our planet in the name of short-term economic prosperity cannot improve our quality of life. A critical evaluation of assumptions is essential in order to face the challenges ahead.

The wonder and beauty of bios are a source of joy and inspiration. The bio-environment can provide all the necessary dimensions for a harmonious and peaceful future society. It also defines what all peoples of the world have in common and can, therefore, serve as a lever to uplift the spirit of humanity from its current crisis of values and promote co-operation among all human beings. When founding the Biopolitics International Organisation, in 1985, the wish was to share these concepts with the rest of the world. Today, after 11 years of hard work and with the friendship and support of dedicated individuals in 85 countries world-wide, the Biopolitics International Organisation can offer a vision of harmony and hope for the 21st century.



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## Biopolitics International Organisation Goals

**INTERNATIONAL CO-OPERATION** for the better understanding and appreciation of bios (life) and the bio-environment. The bio-environment recognises no ideological or geographical boundaries, no East-West, North-South or developed-developing countries. Bios provides the unifying force for the harmonious co-existence of all forms of life, leading to a new era of bio-diplomacy.

**INTERNATIONAL LEGISLATION ON BIOS RIGHTS.** It is important to protect all forms of life, by enacting rules that prevent the deterioration of the bio-environment, and ensure the fundamental right to a clean environment and to a better quality of life.

**BIO-CULTURE - BIO-ENVIRONMENT.** Two essential dimensions for building new societal values for the next millennium.

**PROMOTION OF BIO-EDUCATION** through the International University for the Bio-Environment. The International University for the Bio-Environment was launched in order to reform education worldwide, and promote a bio-centric curriculum for every educational level.

**BIO-ASSESSMENT OF TECHNOLOGY.** a diachronic search for new societal values that will channel technological progress in a direction that leads to a better quality of life through the appreciation of the bio-environment.

**SENSITISATION OF PUBLIC OPINION** to the ramifications of the biological sciences in order for more people to realise that progress in the biological sciences relates to their own area of interest. This acknowledgement may lead to new fields of human endeavour, such as bio-legislation, bio-ethics, bio-arts, bio-linguistics, bio-economics, bio-athletics, bio-communication, bio-history, bio-education and bio-diplomacy.

**INTERNATIONAL CAMPAIGN FOR ENVIRONMENTAL OLYMPICS AND BIOS PRIZES.** The Biopolitics International Organisation has been proposing the introduction of cease-fire during the Olympic Games, a proposal which was recently passed as a United Nations Resolution. In order to promote the bio-assessment of technology and a global bio-culture in the new millennium, B.I.O. proposes the establishment of international committees in every field of human endeavour, assigned with the responsibility to assess progress in their respective fields. Bios Prizes in every discipline will be awarded every four years, at the time the Olympic Flame is lit, to individuals or institutions that "have contributed to the preservation and better understanding of the bio-environment".

*In addition to a theoretical search of values, action is essential, in order to help preserve the bio-environment:*

- develop a bio-syllabus and new curricula for every level of education, as well as audio-visual materials on issues related to bios and the bio-environment.
- introduce a positive feeling of self-respect in the unemployed by paying a Green Salary instead of benefits, with the commitment to work for the protection of the bio-environment (tree planting, recycling, city cleanup etc.).
- encourage the creation of a clearing-house to provide, through the use of computer link-ups, a network of people wishing to co-operate on issues pertaining to the promotion and appreciation of bios.
- generate environmental action groups drawing both from the enthusiasm of the young and the experience of senior citizens, to tackle local issues.
- encourage a bios-supporting economic strategy to replace destructive policies
- promote the establishment of an international computerised Bank of Ideas in order to create a rich depository of information and reflections on bios;
- organise a World Referendum to allow for people throughout the world to express their willingness to preserve bios on our planet.

## Environmental Olympics - Bios Prizes Athlos as an Intellectual Achievement

In the quest for new societal values for the next millennium, revival of the ancient Olympic spirit can contribute the necessary dimensions of unity and harmony to the development of every aspect of human endeavour. The Olympic Games, held in Greece for over ten centuries, constituted important political and cultural events, promoting a unifying vision of peace, kinsmanship and reconciliation.

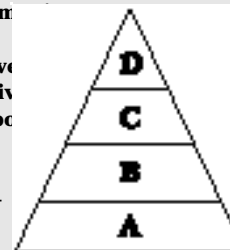
Currently, the Olympic Games, a beacon of world peace and hope, award medals only for physical prowess. Moreover, the concept of athletics is synonymous with sports and feats of the body. Yet we should be reminded that the term athletics comes from the Greek word athlos, meaning achievement. Therefore, athletics encompasses all possible achievements of humanity, whether physical or spiritual. It is thus important that the concept of athletics regains its original significance and becomes redefined, on the basis of a new system of values.

The bios theory embraces the spirit of harmonious development, both mental and physical. People should not confine themselves to striving for excellence in sporting events only. In order to promote the bio-assessment of technology and a global bio-culture for the new millennium, the Biopolitics International Organisation has been proposing the creation of multidisciplinary international committees, assigned with the responsibility of assessing progress and awarding Bios Prizes to individuals, or institutions, that have significantly contributed to the preservation and appreciation of the bio-environment.

At present, international competitions take place in various fields, such as music, poetry, theatre and scientific research. However, these competitions represent a fragmented view of human achievements. In order to re-establish the harmony and unity behind all expressions of human creativity, an overall recognition and award of achievement in sports, arts, and science may be carried out simultaneously,

### Example: Bio-Legislation

- Global legislative committee nominate candidates
- Court justices and university law professors to receive nominations and propose up to 150 candidates
- Elected 30 member International Committee to select 15 nominations
- 3 member International Committee to award 3 Bios Prizes.



every four years, on the occasion of the Olympic Games. For example, legislators could be awarded for developing new legislation regarding bios rights; architects, for having worked in the construction of "biopolis" models; corporate leaders, for including environmental protection in their business activities. Prizes could be awarded in several disciplines, such as ethics, legislation, economics, business, theology, architecture, diplomacy, or philosophy, with the hope to eventually include all human accomplishments.

The Olympiads should be periods of world peace and occasions for all citizens of the world to celebrate the unifying concepts brought forth by the Olympic spirit. At the same time, the global community can be sensitised to the value of a harmonious co-existence as a vehicle for achieving a better quality of life. Within the spirit of bio-culture, the B.I.O. has been proposing the revival of the ancient ideal of cease-fire during the Olympics. The hope is that the bio-environment will act as a unifying force for peace, leading to a new social structure, where respect for bios will be at the core of every action and thought.

## B.I.O. Bank of Ideas

(Continued from page 1)

the bio-environment. This depository would be available to future generations, in order to serve as a treasury of material for the development of society in the years to come. Furthermore, this Bank of Ideas would reflect the evolution in thinking and morality, continuously taking place all over the world.

Not too long ago, environmental problems were not even acknowledged, let alone seriously addressed. With the current environmental crisis, we have witnessed a shift in public opinion, as well as an increased awareness of the gravity of the situation and of the urgent need to take action against destructive trends. This turn of events demonstrates an evolution in our ability to perceive and define priorities in society, according to the challenges we face. The trajectory of this evolution, going from ignorance to awareness to sensitisation and, finally, to active participation could serve as a valuable tool for pin-pointing societal progress and could aid our efforts to counter environmental abuse, on a world-wide level. With the establishment of a Bank of Ideas, we would acquire a concrete record of this trajectory and would thus be able to determine all the parameters of change, making the processes of taking action easier and more effective.

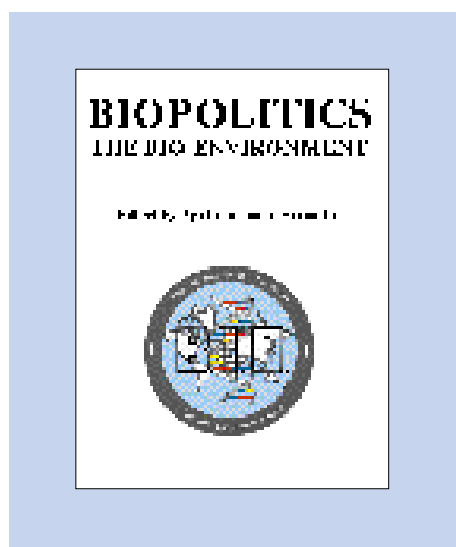
The evolution of human thought is a dynamic process and its potential lies in the continuous emergence of new variables. Determining the constant and variable elements can lead to a new appreciation of priorities in society, as well as a critical evaluation of the future. An interactive Bank of Ideas can serve as documentation of the evolution and transition in human thought for present and future generations. Information technology and faster communications will carry us into the third millennium. It is essential to apply this technology to capture the wisdom of humanity and make it available to the entire world.

In order to exit inflexible thinking processes, which have led to disastrous situations, immediate action is crucial. Solving environmental problems requires a dynamic approach, combining past experience and present opportunities to establish new, enriched models for the future. The challenge is to calibrate growth with reference to biocentric parameters and expand our vision for the coming millennium. We live on a small and fragile planet. The continuation of the chain of life on this planet is the most essential task for all.

### The Changing Role of Telecommunications

Communication technology has a most crucial social impact. Of the many factors responsible for shaping modern society, Media and Communications are perhaps the most potent. As a result, communication technology can become the vehicle with which to inseminate society with new biocentric thinking, and provide a world-wide multidisciplinary exchange of information promoting appreciation of the bio-environment as the core component of every human endeavour.

We are moving into a truly interdependent world, where communication is vital to development. Information technology can bring the world together and this power should be applied to guarantee peace and international cooperation, eliminating isolation and division. It also has the potential to raise the necessary global awareness of the urgent need to take action against environmental destruction and abuse. International bio-education through satellite communication and the Internet can be one of the many ways of applying this potential, in order to achieve environmentally literate global citizens. Such projects, in addition to providing direct and efficient exchange of information, can allow for world-wide simultaneous participation in the attempt to preserve bios on our planet. Meanwhile, as a more immediate plan of action, the B.I.O. has been proposing the introduction of a news bulletin on the bio-environment, as a regular item on news programs, in the same way that weather and stock-market reports already are.



# BIOPOLITICS THE BIO-ENVIRONMENT VOLUME I

*Proceedings from the First B.I.O. International Conference held in Athens, May 1987*

## Philosophy

**Greece:** Dimensions of Biopolitics, Dr. *Agni Vlavianos-Arvanitis*, President and Founder, Biopolitics International Organisation

**U.K.:** Philosophical Problems of Biopolitics, Professor *Rom Harre*, University of Oxford; Ways of Thinking About the Bio-Environment, Professor *Andrew A. Brennan*, University of Stirling; Biopolitics and the Philosophy of Evolution, Dr. *Thomas S. Kemp*, Zoological University Museum, Oxford

**Yugoslavia:** Philosophical Aspects of the Bio-Environment, Professor *Adreja Miletic*, Faculty of Political Sciences, Belgrade University

**Sri Lanka:** Man as an Evolutionary Phenomenon, *Henry D.A.H.P. Karunaratne*, Chairman, Executive Committee, UNA Sri Lanka

## Management Models

**Canada:** Explorers of Transition - Organisations, *Dolores Schell*, Consultant, Department of External Affairs, Ottawa

**Greece:** Public Policy Engineering - Operations Research in Decision Making, Dr. *Achilles C. Kanellopoulos*, Dean and Director of Studies, Southeastern College

## Social Implications

**Greece:** The Tragedy of the Commons, Professor *Michael Dearing*, Psychologist, Deree College

**Finland:** The Creative Impact of Feminism on Biopolitics, *Hilkka Pietila*, Secretary General UNA Finland, Vice-President, WFUNA

**U.S.A.:** Biopolitics and Youth, *James Muldoon Jr.*, Assistant Field Director, UNA United States of America

## International Cooperation

**U.K.:** The Bio-Environment - Policy Recommendations, The Right Honourable *Lord Ennals*, Member, House of Lords, former Cabinet Minister

**Singapore:** Strategies for the Protection, Maintenance and Enhancement of Bios, Professor *Tham Seong Chee*, University of Singapore, President, UNA

**Cyprus:** The Bio-Environment - An Issue for Development and Foreign Policy, *Androulla Vassiliou*, Barrister-at-Law, International Affairs, Vice Chairman, Executive Committee, WFUNA

**Austria:** The Role of the United Nations in Preserving the Bio-Environment, *Peter H. Feeg*, Director, WFUNA, Vienna

**Sri Lanka:** Preservation of the Bio-Environment, *Kumaran Fernando*, Secretary, General, UNA Sri Lanka

**Philippines:** The Bio-Environment: - Protection and Improvement of Life, Dr. *Liduvina R. Senora*, Executive Secretary, UNA

**Nigeria:** The Bio-Environment - African Dimensions, *Tina Uwechue*, Barrister-at-Law, Vice-President, UNA

## Politics, Education and Economics

**Portugal:** Biopolitics - Regional and Interregional Perspectives, Professor *Antonio Manuel de Sousa Otto*, Director, Ministry of Industry and Commerce, Algarves

**Greece:** Biopolitical Science, Professor *Emmanuel E. Marcoglou*, Deree College

**G.D.R.:** The Bio-Environment and Education, Professor *Erich Taubert*, University of Weimar

## Technological Dimensions

### -Pollution

**U.S.A.:** Global Warming and Sea Level Rise, Professor *Giulio Pontecorvo*, Columbia University

**F.R.G.:** Lake Restoration in Berlin, Professor *Gunther Klein*, Institute for Water, Soil and Air Hygiene, Federal Office, Berlin; Chemical and Engineering Aspects of Phosphate Elimination, Professor *Andreas Grohmann*, Institute for Water, Soil and Air Hygiene, Federal Health Office, Berlin

**Greece:** Transfer Factors of Heavy Metals in Aquatic Organisms of Different Trophic Levels, *Konstantina Akrida*, Food Chemistry Laboratory, University of Ioannina Dr. *Vassiliki Kalfakakou*, Faculty of Medicine, University of Ioannina; Bio-Environmental



**Hungary:** The Bio-Environment - Economic Dimensions, Professor *Gyula Bora*, Vice-Rector, Karl Marx University

**F.R.G.:** Ecology and Economic Policy, Professor *Udo E. Simonis*, Director, International Institute for Environment and Society, Science Centre of Berlin

## Legal Implications

**C.S.S.R.:** Preservation and International Law, Professor *Juraj Cuth*, President of the Slovak Peace Council

**Turkey:** Urban Planning and Bio-Environmental Policy, Professor *Rusen Keles*, Director, Center for Urban Studies, Faculty of Political Sciences, Ankara University, President, UNA Turkey

**Israel:** Biopolitics - Legal Dimensions, *Haim Klugman*, Director General to the Ministry of Justice, Mag. Jur. Advocate

**F.R.G.:** International Environmental Problems and the Role of Legislators, Professor *Udo E. Simonis*, Director, International Institute for Environment and Society, Science Center of Berlin

Protection, Materials Recovery and Cost Saving: The Case of Flotation, Dr. *Anastasios I. Zoumboulis*, Department of Chemistry, Aristotelian University, Thessaloniki and Professor *Francis A. Batzias*, Piraeus Graduate School of Industrial Studies

### -Health

**Greece.:** Bio-Engineering - Medical Dimensions, Professor *George M. Maniatis*, University of Patras Medical School; Nutrition - Single Cell Protein Twenty Years Later, Professor *Cleanthis J. Israelidis*, Food Technology Institute, Southeastern College

**F.R.G.:** Long-Term Air Pollution Effects and Health, Professor *Horst Malberg*, Free University, Berlin; Influences of Air Pollution and Weather on Croup Syndrome and Cbstructive Respiratory Tract Disease of Children in Berlin, Dr. *Med. Ulrich Fegeler*, Meteorology Institute, University of Berlin

### -New Perspectives

**France:** Biotechnology, Man and the Bio-Environment, Dr. *Guy Sergheraert*,

Centre de Valorisation des Glucides  
**Greece:** Comments on Biotechnology Professor *Constantinos Sekeris*, University of Athens, Director of Biology Research, National Research Center; Biotechnology and the Environment, Professor *Michael Scoullas*, President, European Environmental Bureau  
**Switzerland:** Telecommunications Science and Its Relation to Bios, Dr. *Peter Stavroulakis*, Manager, NYNEX International, Geneva

**U.S.A.:** Biotechnology and Fisheries Oceanography Dr. *Philip Lobel*, Research Scientist, Woods Hole Oceanographic Institute and Associate in Oceanography, Center for Earth and Planetary Physics, Harvard University

**U.K.:** Technology and Change in the Bio-Environment: Some Contributions to the Process Theory, Dr. *David Watts*, University of Hull

## RESOLUTIONS

At the end of the First B.I.O. International Conference held in Athens in May 1987, the B.I.O. goals were accepted unanimously by participants, and the following recommendations were made: promote and initiate awareness of and a deep sense of responsibility by all peoples for the dangers arising from actual or possible direct interventions of man into his own and all other forms of bio-psychological substance by means of genetic and other medico-biological processes; promote and initiate regional cooperation for the development of the bio-environment and its protection against technically avoidable pollution among all relevant organisations and groups, including recording and publicising channels of information feedback; promote and initiate efforts aimed at minimising resource depletion as well as exploiting the use of recycled materials of all forms for the protection of the bio-environment; promote and initiate the widespread collection and flow of information and data relevant to the protection and development of the bio-environment, in both specialist institutions and public media; promote and initiate the incorporation of environmental education programs in national educational systems; and finally proposes for consideration: the need for a Universal Declaration in light of previous UN and UNEP declarations on the environment comparable to the Declaration of Human Rights or other internationally agreed conventions; work out rules and laws to facilitate the imposition of legal and moral sanctions on states and organisations failing to protect the environment; submit the issue of the bio-environment and its protection for debate and deliberation in the forthcoming 31st Plenary Session of WFUNA to be held in Ottawa in August 1987, and its regional conferences in 1988; create national groups to be affiliated to the Biopolitics International Organisation. Participants in this conference expressed their deep gratitude to the organisers and supporters of the conference held in Greece, which is recommended as the ideal meeting place for people from all specialties to assess progress and values.

**Theology, Ethics and Philosophy**

**Greece:** Biopolitics - the Bios Theory Dr. *Agri Vlavianos-Arvanitis*, President and Founder, Biopolitics International Organisation; Views on Biopolitics Professor *Constantinos Bonis*, Former President, Academy of Athens; Church - Theology - Bio-Environment Prof. *Athanasios Angelopoulos*, School of Theology, Aristotle University of Thessaloniki; Man's Historical Presence in the World Professor *Evangelos A. Moutsopoulos*, Faculty of Philosophy, University of Athens, Member, Academy of Athens; Mythos - an Aspect of Bios *Lala Nicoli*, General Secretary, Greek Soroptimist Union

**Belgium:** Genetic Engineering - Ethical Dimensions Professor *Charles Susanne*, Director, Centre of Bioethics, Free University of Brussels

**U.S.A.:** The Ethics of Secrecy, Professor *Richard Eells*, Columbia University; The Need for Biopolitics *F.T. Liu*, Former Assistant Secretary General, United Nations Bios and Literature; The Role of Literature in the March Toward Biopolitical Sanity Professor *David R. Weinberg*, Michigan State University

**U.K.:** Ecological Humanism Prof. *Andrew A. Brennan*, University of Stirling



**Yugoslavia:** Bios and Technology Philosophical Controversies Professor *Andreja Miletic*, Faculty of Political Sciences, Belgrade University

**Bios and Youth**

**U.S.A.:** The Future of Bios and Youth *James Muldoon, Jr.*, Assistant Field Director, UNA and *Jordan A. Horvath*, New York State Bar

**France:** Bio-Ethics and Youth, Dr. *Guy Sergheraert*, Center for the Exploitation of Glucides; Bios and Youth Responsibility, *Philippe de Braeckelaer*, Centre de Valorisation Agro-Industriel

**Singapore:** The Role of Youth, *Bert Koh*, Board of Directors, UNA Singapore and *Paul Ng*, Board of Directors, UNA Singapore

**U.K.:** Global Cooperation - a New Vision for Youth, *Nikki Malet de Carteret*, Consultant, Global Cooperation for a Better World

**Poland:** International Youth Movement and Bios, *Pawel Graniewski*, Secretary General, UNA

**Greece:** Development vs Environmental Order, *Hercules Roupas*, Financial Consultant

**Bios and the Role of Women**

**Belgium:** Women and Biopolitics, Dr. *Huberte Hanquet*, Senator, President of the Council of Belgian Women

**Finland:** Women and Bios, *Hilkka Pietila*, Secretary General UNA, Vice-President, WFUNA

**Technology and Health**

**U.S.A.:** In Praise of Technology's

**BIOPOLITICS  
THE BIO-ENVIRONMENT  
VOLUME II**

*Proceedings from the Second B.I.O. International Conference held in Athens, October 1988*

Humanity, Professor *Elias P. Gyftopoulos*, Ford Professor of Nuclear Engineering, M.I.T.

**Greece:** The Progress of Biological Sciences and the Future of Bios, Professor *George M. Maniatis*, Biology Department, University of Patras

**France:** Biotechnology in the Service of Agriculture - Arid Zones *George Martin*, Ingenieur I.A.N.

**Philippines:** The Future of Science and Technology in Asia Dr. *Frederick So Pada*, President, Technological University of the Philippines; Relevance and Responsiveness of Technology Transfer Dr. *Gloria C. Gatchalian*, Director, Special Science High School, Eulogio Rodriguez Institute of Science and Technology

**Switzerland:** Bios and the Use of

of Ekistics, Professor *John G. Papaioannou*, Advisor, Ekistics Centre

**Turkey:** Bios and Urban Planning - Dimensions for the Future, Professor *Rusen Keles*, Director, Centre for Urban Studies, Faculty of Political Sciences, Ankara University, President UNA; The Golden Horn Project, Professor *Ahmet Samsunlu*, Istanbul Technical University

**Poland:** Bios and Modern Cities, *Pawel Graniewski*, Secretary General, UNA; Bio-Environment Evaluation, *Edward Kamienski*, Director, Center for Building Biology and Environmental Energy Action, "BIOSKALA"

**Cyprus:** Tradition - A Contribution to Civilization, *Alexis Theodossiadis*, Architect and Planner

**Bio-Environment and International Co-operation**

**Belgium:** Biocycle - Man - Environment, Dr. *Stefan Klein*, President, International Society for Research on Civilization Diseases and on Environment

**Philippines:** Perspectives for the Improvement of Bios in Asia, Dr. *Liduvina R. Senora*, Executive Secretary, UNA

**G.D.R.:** Bios and International Cooperation Felicitas Richter, Secretary General, UNA

**Sri Lanka:** The Future of Bios - Asian Dimension, *Kumaran Fernando*, Secretary General, UNA

**Poland:** Man and Environment, Dr. *Jan W. Dobrowolski*, Science Secretary, Committee for the Protection of Public Health, Polish Academy of Sciences

**Cyprus:** Rehabilitation of Habitats and Management of Resources, *Andreas Demetropoulos*, National Coordinator, Marine Pollution Monitoring Programme

**Greece:** The Role of the Environment, Dr. *Aldo Manos*, Coordinator, United Nations Environment Programme, Unit for the Mediterranean Action Plan

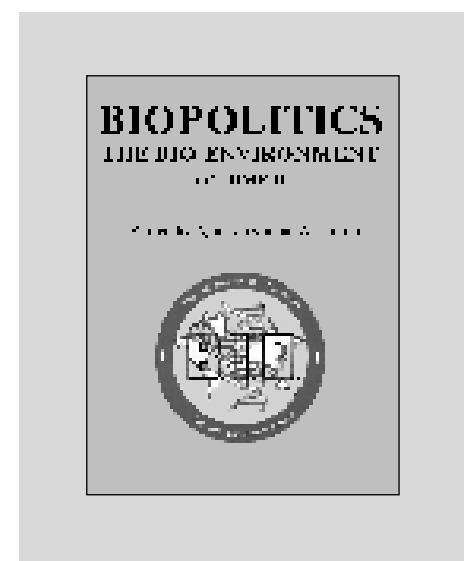
**U.S.A.:** Destruction of the Amazon and the Preservation of Bios, Professor *John Carroll*, Forest Resources, University of New Hampshire

**U.K.:** The Role of Animals in Forest Regeneration and the Economics of Rain Forest Conservation in Southeast Asia Dr. *David J. Chivers*, Cambridge University

**Senegal:** The Protection of Nature, *Moctar Kebe*, Minister for the Protection of Nature

**F.R.G.:** Internalizing External Costs, An Ecological Tax Reform, Professor *Ernst U. von Weizsaecker*, Director, Institute for European Environmental Policy; Environment Protection Expenditures - the German Example, *Professor Udo E. Simonis*, Director, International Institute for Environment and Society, Science Center of Berlin Dr. *Christian Leipert*, Science Center of Berlin; Industrial Restructuring for Sustainable Development - Three Strategic Elements, Professor *Udo E. Simonis*, Director, International Institute for Environment and Society, Science Center of Berlin

**Hungary:** Economic Factors and the



Environment, Professor *Gyula Bora*, Vice-Rector, K. Marx Economic University

**Netherlands:** Good Environmental Practices Good Business Practices, Professor *Donald Huisingsh*, Environmental Consultant

**Ghana:** Bios in Africa Mr. *Bennard K. Kuma*, Honorary President, WFUNA; The Future of Bios in Africa, *Mike Awua-Asamoah*, Secretary General, UNA

**Nigeria:** The Future of Bios - African Dimension, *Tina Uwechue*, Barrister-at-Law, Vice-President, UNA

**Bio-Diplomacy and Culture**

**U.S.A.:** Policy Issues Related to the Transfer of Technology to Developing Countries, Professor *Nicholas A. Ashford*, Department of Technology and Policy, M.I.T.

**U.K.:** Cultural Attitude Assessment: A Lost Dimension in the Technology Environment Equation, Dr. *David Watts*, University of Hull; Cultural Diplomacy - the Future Dr. *Robert T. Taylor*, Representative, British Council

**Singapore:** Bios and Culture in Asia Professor *Tham Seong Chee*, National University of Singapore, President, UNA

**RESOLUTIONS**

The conference participants, in addition to fully supporting all B.I.O. goals, resolved to:

- design, construct and implement an all-embracing educational strategy both to create consciousness regarding bios, as well as to provide feasible follow-up action plans for the achievement of B.I.O. objectives
- design, construct and implement a comprehensive syllabus on bios and all its ramifications for schools, colleges and universities
- mobilise media resources and use satellites to inform, educate and sensitise the public on bios and its future
- mobilise the expertise and energies of scholars, professionals and creative artists to give purpose and direction in the promotion of bios
- encourage educational institutions to initiate programs of teaching and research relating to bios
- promote cultural development and exchange to enhance both human understanding and the promotion of bios
- develop and disseminate a bibliography on writings pertaining to bios, including literary writings in the form of novels, short stories, poetry and philosophical tracts.

Efforts to promote bios through education should remove ignorance and fear, give hope and add new moral-ethical boundaries capable of sustaining and promoting bios in the next millennium.

## THIRD B.I.O. INTERNATIONAL CONFERENCE

*Biopolitics  
Curriculum Revision  
Athens, June, 1989  
A Blueprint for Bios in the  
Next Millennium*

The following participants contributed their viewpoints:

- Greece:** Dr. *Agni Vlavianos-Arvanitis*, President and Founder, Biopolitics International Organisation
- Singapore:** Professor *Tham Seong Chee*, National University of Singapore, UNA President
- Turkey:** Professor *Rusen Keles*, Director, Center for Urban Studies, Faculty of Political Sciences, Ankara University, President, United Nations Association
- USA:** Professor *Nicholas A. Ashford*, Policy Center for Technology, Massachusetts Institute of Technology
- Greece:** Professor *Constantinos Bonis*, former President, Academy of Athens
- Greece:** Professor *Costas A. Cassios*, Technical University of Athens
- U.K.:** *Terence Duffy*, University of Ulster
- USA:** *John Malcolm Forbes*, Founder, Teachers' Center for Global Education, and Chairman, Center for American Studies at Concord
- Israel:** *Mayer Gabay*, Civil Service Commissioner, and Former Director, General, Ministry of Justice
- Israel:** H.E. Ambassador of Israel *Mr. Moshe Gilboa*
- UK:** Professor *Rom Harre*, Department of Philosophy, Oxford University
- Turkey:** The Very Reverend *Meliton Karas*, Secretary of the Holy Synod Ecumenical Patriarchate
- Greece:** Professor *George Maniatis*, School of Biology, University of Patras
- Greece:** Dr. *Aldo Manos*, Coordinator, United Nations Environmental Program, Plan of Action for the Mediterranean
- Greece:** Professor *John G. Papaioannou*, Athens Center of Ekistics
- USA:** Professor *Giulio Pontecorvo*, Director, Center for Business and Government Studies, Columbia University
- Greece:** Dr. *Panayis Psomopoulos*, President, Athens Center of Ekistics
- U.K.:** Dr. *Robert T. Taylor*, Representative, British Council
- Greece:** Professor *Constantinos Voudouris*, Department of Philosophy, University of Athens

# Proposals for a Biocentric Curriculum

Decision-makers met for the Third B.I.O. International Conference on Biopolitics - Curriculum Revision in order to initiate a worldwide bio-syllabus. It was acknowledged that there is an urgent need to incorporate the values of appreciation and a better understanding of bios (life) at all levels of education and that efforts would be to incorporate the progress of the biological sciences in fields such as theology, philosophy, diplomacy, economics, law, media, since technology may be viewed as a pathway leading to a better future.

While setting the long-range philosophy of bio-education, immediate changes need to be incorporated in primary, secondary and university education. Public opinion is changing from day to day and the demands for the preservation and appreciation of bios are of utmost importance.

The fruitful outcome of this important meeting was the proposal for a bio-syllabus. Statement of Justification Maintaining and promoting bios (life) has, in general, become the most complex and urgent task facing humanity. Progress in technology has given hope for a more abundant and satisfying future. The horizons of human thought and understanding seem unlimited. Yet, at the same time, technology is also seen as life-threatening, challenging humanity's cherished beliefs, creating in its wake immense moral dilemmas as well as legal concerns. To ensure that bios remains at the center of human concern, it is imperative that technology be guided by appropriate values.

An important recommendation adopted at the First B.I.O. International Conference held in May 1987 was the preparation and promotion of bios-oriented educational programmes in national educational systems. This recommendation was subsequently reaffirmed at the Second B.I.O. International Conference in October 1988 where it was proposed that a bios curriculum for pre-school, secondary and tertiary educational institutions be formulated. The Third B.I.O. International Conference held in June 1989 addressed itself to this task.

### The Bio-Syllabus

The bio-syllabus proposed by the Third B.I.O. International Conference stresses the need for a unified approach to understanding life and its multifaceted manifestations and processes. More than just the concern for the protection of the environment, it envisages not only the identification, promotion and institutionalisation of values and attitudes that are necessary for the maintenance of bios but also the protection of vital ecosystems by the intelligent application of technological know-how for the enrichment of life. Bios, on one hand, and bio-technological development, on the other, constitute two interacting components whose relationship with each other must be guided by appropriate values or principles of action to achieve desirable outcomes. A bio-syllabus, then, is both cognitive emphasising knowledge about bios and evaluational emphasising right values or attitudes towards bio-assessment.

### Elementary Level

Appreciation of bios can assume many forms - in the manner bios is presented as a manifestation or in the incorporation of bios topics in teaching subjects such as history, literature, geography, social studies, civics, music and elementary science. In doing so, pupils should be provided with sound basic simplified knowledge of bios and at the same time, learn to relate to bios with sensitivity, understanding and intelligence.

### Methods and Procedures

To realise the broad aims presented, considerations should be given to assisting students to acquire an appreciation of nature, its rhythms and processes. This could be achieved by cultivating their powers of observation through sharpening their senses to sight, sound, smell, feeling and touch. Two sets of procedures could be followed: the purely didactic involving telling/explaining, shocking, informing and subject focus teaching and the less didactic involving individual research, information-handling, values clarification, motivating and decision-making skills. In addition to pure teaching, students could be encouraged to develop practical applications protecting the bio-environment. Teachers should encourage students to raise moral, ethical, religious, political, economic and other questions to assist them in arriving at appropriate value decisions.

### Secondary Level

At this level, the study of bios can be more focused either in terms of themes or subjects. The presentation of bios topics can be done through the relevant subjects taught at the secondary schools. Though teaching at this level tends to be disciplined or subject-oriented, e.g. language, literature, history, biology, physics, chemistry, mathematics, etc., the need to deal with bios and bio-related topics as a unified area of knowledge and values should be recognised. However, it is important that students gradually come to realise that ecosystems are governed by common laws whether physical, biological or chemical and in the case of human beings, by values and norms.

### Aims

The overall aim at this level should be to develop the students ability both to observe and inquire about bios thus deepening their understanding of the relationship between human beings and the bio-environment. In addition, students can be helped to seek problems pertaining to bios and in the process learn to imbibe the process of inquiry and the scientific ethos. At the more advanced level (grades 10-12 or upper secondary), the aims of the bio-syllabus should include inter alia:

1. teaching students how to discover regularities or underlying principles in the bio-environment;
2. assisting students in identifying and analysing causes pertaining to bios and natural phenomena so as to develop unified ways of viewing and thinking;
3. helping students to understand that there is harmony despite diversity and variety in bios;
4. teaching students that all natural phe-

nomena have a history governed largely by their habitat thereby heightening interest in the preservation of biotic forms;

5. helping students to understand that human life is maintained by dynamic balance in the bio-environment;

6. deepening students' knowledge regarding the action of man and its impact on the bio-environment stressing the role of culture and values. Methods and Procedures

The focus at this level of study should not only be the appreciation of bios but also consciousness of bios in all its varied forms and manifestations. To realise this as an objective, a variety of activities and approaches may be attempted. To help students develop an appreciation of bios, various experiences should be provided through field studies; the use of audio-visual materials; the setting-up of laboratory experiments and the organisation of talks, debates and discussions on bios. Other more innovative methods may also be attempted such as simulation dramatic presentations of bios, record-keeping and bios reportage.

**“ A bio-syllabus is cognitive, emphasising knowledge about bios, and evaluational, emphasising right values or attitudes towards bio-assessment.”**

### The Bio-Syllabus (Secondary Level)

Both the cognitive understanding of bios and the values pertaining to bios should constitute the basis for the structuring of the bio-syllabus at the secondary level. This means that science subjects should attempt to teach knowledge about bios as well as sensitise students to appropriate values pertaining to the promotion of bios. Subjects of a humanistic or social science orientation such as history, geography, social studies and music, should help to develop the sensitivity of students to and appreciation of values including the rhythms of life. The contents of the bio-syllabus should include:

1. a firm understanding of the chemical basis of life - the development of organic living things from organic matter;
2. an understanding of cellular structure and function;
3. a knowledge of heredity and genetics including the interaction of heredity and envi-



**“ We need to incorporate the progress of the biological sciences in fields such as theology, philosophy, diplomacy, economics, law, media, since bio-education can serve as a pathway leading to a better future.”**

ronment in determining behavioural outcomes;

4. an understanding of viruses and their role in relation to disease;

5. an appreciation of the evolutionary sequence, the development of primordial life to the present;

6. an understanding of the biology of man and its various systems viz., circulatory, skeletal, digestive, nervous, reproductive, excretory and endocrine;

7. a knowledge of the invertebrates and their behavioral characteristics;

8. a knowledge of flowerless plants such as algae, phytoplankton, fungi, mosses and ferns and their evolutionary significance;

9. an appreciation of ecological relationships including the structure and diversity of ecological communities;

10. an appreciation of biotic and abiotic factors in an ecosystem;

11. an understanding of population growth, regulation and interaction including the concept of mutation as the ultimate source of genetic change.

As in the case of elementary schools, teachers at the secondary schools should endeavor to engage students in dialogue sessions on the various problems pertaining to bios and its maintenance. Such dialogue sessions could be issue or subject-oriented. The key concern should be the creation of a balanced and morally-sensitive perspective regarding bios. Given the diversity of cultural traditions and the unique existential circumstances underlying human societies, it is imperative that the approaches proposed to promote bios through education be modified and adapted according to the availability of resources and the perception of needs. It is important that students have both the intellectual and emotional maturity to engage actively in organised efforts to promote the objectives of bios both at the school and community levels.

#### **Tertiary/University Level**

Because of the great variety of disciplines and teaching programmes at the undergraduate level, it would not be possible to propose a detailed systematic bio-syllabus suitable for all students. However, it is assumed that students at this point of their learning experience would have absorbed the spirit of scientific inquiry and at the same time, deepened their understanding of the bio-environment as it relates to human societies. Similarly, it is assumed that they would have developed appropriate concerns and attitudes towards bios in general guided at the same time by a sense of service and responsibility.

Since university undergraduates are the potential leaders and decision-makers of society, it is necessary that they possess the requisite knowledge and public sense to discharge their responsibilities in the interest of bios. In an industrial capital-oriented society, certain categories of professional expertise play greater roles or exercise greater influence in determining decisions affecting bios. In this connection, tertiary educational institutions are encouraged to make available the following bios or bios-related courses at the undergraduate level on an urgent and formal basis. In doing so, it might

be necessary to provide built-in incentive systems to ensure that the students adopt a serious attitude toward the concerns of the courses. The department or the faculty must regard these courses as integral to the overall professional education of the undergraduates.

1. Science, architecture and engineering undergraduates: A compulsory course on Bio-Assessment and Bio-Design .

2. Business accountancy and economics undergraduates: A compulsory course covering subjects on Production and Production-related Damage to the Bio-Environment .

3. Law undergraduates: A compulsory course on Law as an Instrument for Social Control over Science and Technology or alternatively, under a broader rubric The Sociology of Law .

4. Undergraduates of disciplines centering on Bio-technology as a professional course: A compulsory course on Bio-assessment and Bio-design .

5. Undergraduates or students undergoing training in the environment or environment-related science courses: A compulsory course on Reactive versus Pro-Active Approaches in Bio-environmental Management .

6. Undergraduates in the Humanities and Social Sciences: A compulsory course on the role of values and attitudes in the conservation and management of bio-systems. The proposed course of study should be supplemented by field experience and multi-disciplinary evaluation of real or contrived bio-technological issues. In doing so, students should be sensitised to the multidimensional nature of bios differentiating the practical or rational demands from the legal, moral and political. As in the other educational levels, universities should adjust or design bio-oriented teaching programmes in accordance with their practical needs and urgency.

In conducting such courses, departmental or faculty staff may bear in mind the following guiding principles:

1. the need to develop appropriate and value-oriented technology, one that advances sustainable development;

2. the need to utilise resources equitably, fairly and efficiently;

3. the need to ensure viable interdependencies between the bio-environment and economic needs;

4. the need to maximise biological diversity by judicious strategies; and

5. the need to monitor population growth to ensure the effective implementation of economic and bio-environment programmes.

#### **Implementation**

Educational institutions promoting bios through the adoption of a bio-syllabus should endeavor to engage all forms of media (satellite broadcasts, newspapers, magazines both at the popular and professional levels and advertisements) to create and generate public awareness and support for bios and bios-related programmes and initiatives. Bios and its enhancement, in this regard, should be promoted as a total commitment, a way of acting, thinking and feeling which gives a new dimension to life as a global manifestation. In this connection, institutions of higher learning with the requisite resources and commitment should provide the lead in implementing programmes of study and research whether at degree level or in the form of short courses and learning modules on understanding bios. Universities and colleges with law faculties in collaboration with relevant professional organisations should endeavor to formulate model laws dealing with the fundamental concepts and specific issues pertaining to the impact of biotechnological research on bios. If necessary, relevant international organisations and agencies within or without the U.N. system should be consulted and their assistance sought.

## Bio-Syllabus

The Third B.I.O. International Conference, held in 1989, raised awareness of the urgent need for global bio-educational reforms and resulted in the formulation of a bio-syllabus outline to be used for the implementation of biocentric concepts in all academic disciplines. Following the success of this outline, a comprehensive *Bio-Syllabus* was published by the B.I.O. in 1992. The B.I.O. *Bio-Syllabus* is used as a major textbook in many universities around the world and is available in English, Russian and Greek.



### **The Quest for Bio-Ethical Values**

#### **Bio-Ethics**

- Bio-Environmental Rights
- Bios Rights as Related to Bio-Ethics
- Animal Research and Bio-Ethics
- Human Embryo/Fetus: Bio-Ethical Implications
- Bio-Ethics in Relation to Artificial insemination and Fertilisation
- Death and Euthanasia
- Human Organs and Tissue in Terms of Bio-Ethics

#### **Bio-Legislation**

- Bios Rights
- Bio-Environment and the Enactment of Bios Rights
- Cleaner Production Concepts
- Pollution Prevention: Impact on Legislation
- Making the Polluter Pay
- Long Term Thinking in Relation to the Bio-Environment
- Legislation on Genetic Engineering and Bio-Medical Issues
- Impact of Biotechnology
- The Distinction Between Environmental Law and the Biopolitics Approach

#### **Bio-Business**

- Establishing World-Wide Economic Stability
- Introducing Environmentally Friendly Industry
- Sustainability Concept
- Improving Agriculture for the Benefit of the Bio-Environment
- Establishing Waste-Free Production Cycles
- Introducing Ethical Dimensions in Bio-Business
- New Lifestyle and Bio-Business
- Addressing the Public at Large

#### **Bio-Technology**

- Methods of Bio-Technology
- Applications of Bio-Technology
- Genetic Engineering
- Human Genome Project
- Ecosystem Bio-Technology
- Bio-Technology and Biopolitics Centres
- The Interface of Biological Science and Business
- Impact of Bio-Technology on Economic Infrastructure
- Biopolitical Dimensions of Bio-Technology

#### **Bio-Energy**

- Bio-Energetics and Bio-Energy
- Methods of Technical Bio-Energetics
- Application of Ecosystem Bio-Technology for Bio-Energy Production

#### **Bio-Communications**

- Developing Computer Based Idea Banks on Biopolitics
- Promoting Biopolitics through Mass Media
- Use of Satellites in Bio-Communication
- Bio-Sensors

- Bio-Computers
- Imitating Sense Organs in Technology

#### **Bio-Theology**

- Bios as the Sacred Gift
- Religion and the Unity of Bios
- The Relationship between Biopolitics and Religion
- The Buddhist Attitude
- The Hinduist Attitude
- The Muslim Attitude
- The Hebrew Attitude
- The Christian Attitude

### **The Quest for Bio-Cultural Values**

#### **Bio-Culture**

- The Meaning of Culture from a Biopolitical Perspective
- Bio-Aesthetics
- Bio-Literature
- Bio-Culture and Creativity

#### **Bio-History**

- Bio-Environment Humankind Interactions in History
- Biological Influences in Human Society
- Bio-History and Educational Reforms

#### **Bio-Architecture**

- Bios Patterns and Images in Architecture and Design
- The Biological Basis of Aesthetics: New Dimensions in Architecture
- Employment of Bio-Materials
- Urban Design and Global Planning

#### **Bio-Mathematics**

- Macrocosmos and Microcosmos
- Bio-Mathematics and Bio-Education
- Methodology of Bio-Mathematical Models
- The Bio-Environment as a Dynamic System
- Probability and the Bio-Environment: Dynamic Equilibrium and Evolution
- Limits of Bio-Mathematics

#### **Bio-Athletics**

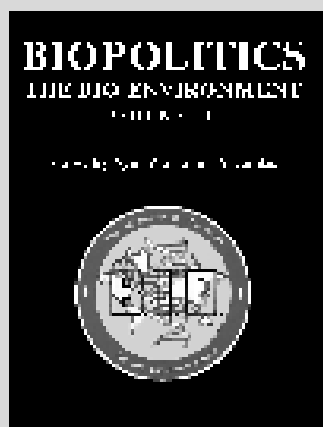
- Sports Involving Bios
- Reorganisation of the Olympics on the Basis of Bios Values

#### **Bio-Diplomacy**

- Main Bio-Environmental Issues in Bio-Diplomacy
- Organisational Matters Relevant to Bio-Diplomacy
- Importance of Long-Term Thinking in Bio-Diplomacy
- Body of Humanity - Body of Bios

#### **Fundamentals of Biology**

- The Fundamentals of Biological Knowledge
- Classification of Living Organisms
- Chemicals
- Nucleic Acids and Genetic Information
- Cells
- Multicellular Organisms
- Ecology
- Evolution



A volume dedicated to the preservation of biodiversity in the Amazon and promoting a global model bio-education for the new millennium. A bio-assessment of technology, leading to necessary educational reforms, consists of shifting from anthropocentric to biocentric values and preserving the harmony of the bio-environment. (\* denotes contributions from the Third International Conference)

**Bio-Education as a Pathway to Bio-Culture**

**Greece:** International University for the Bio-Environment - a New Vision, Dr. *Agni Vlavianos-Arvanitis*, President and Founder, Biopolitics International Organisation  
**Singapore:** Higher Education and the Bio-environmental Challenge, Professor *Tham Seong Chee*, University of Singapore  
**Turkey:** Towards an International University for the Bio-Environment, Professor *Necdet Serin*, President, Ankara University  
**U.S.A.:** Environmental Codetermination: From the Biopolitics Thesis to Praxis, Professor *Climis A. Davos*, Associate Dean for Student Affairs, School of Public Health, UCLA  
**Belgium:** Man-Education-Industry, Dr. *Stefan Klein*, President, International Society for Research on Civilisation Diseases and on Environment  
**Romania:** How to Educate People for a Better Attitude Regarding the Bio-Environment, Dr. *Pia Elena Mihnea*, Romanian Marine Research Institute  
**USSR:** Environmental Education in Modern Society, Professor *Jaanus Killi*, Tallinn Teachers Training Institute, Estonia; Equilibrium Between Natura and Homo - the Leading Role of the I.U.B.E., *Andrew Belkovsky*, Centre of Human Sciences, Presidium of the Academy of Sciences  
**Australia:** Education for Survival and a Better World, Professor *Stephen Boyden*, Centre for Resource and Environmental Studies, Australian National University

**Bio-Culture, from Mythos to the Present**

**Turkey:** Biospherical Anthropocentrism: Persisting Development of the Most Advanced Species, Professor *Yaman Ors*, M.D., Medical Faculty, Ankara University  
**Greece:** Ideologies and Ecological Crisis, Professor *Megas L. Farantos*, University of Athens; Some Approaches to Environmental Issues in Societies of the Past, Dr. *Richard Witt*, New York College, Athens  
**UK:** Environment East - Environment West: Choices for an Environment Syllabus, Dr. *David Watts*, Dean, School of Geography and Earth Resources, University of Hull

**BIOPOLITICS  
THE BIO-ENVIRONMENT  
VOLUME III**

*International University for the Bio-Environment  
Bios in the Next Millennium. The Need for Educational Reforms.  
Proceedings from the Fourth B.I.O. International Conference,  
Athens, January 1991*

**Sri Lanka:** The Formulation of a Societal Value System for Bios in the Next Millennium, *Kumaran Fernando*, Secretary General, UNA

**The Philosophical Quest**

**UK:** Environmental Competence: The New Educational Challenge, Professor *Andrew Brennan*, Philosophy Department, University of Stirling; The Problem of the Definition of Bios\*, Professor *Rom Harre*, Department of Philosophy, Oxford University  
**USSR:** Russian Culture and the Synthesis of Ecological Thought, *Maxim V. Provotorov*, Medical Institute of the Soviet Union; Bios and the Metamorphosis of Human Consciousness, Dr. *Nadezhda Shulenina*, Philosophy Department, Lomonosov University, Moscow  
**Greece:** Space, Time and Kairos, Professor *Evanghelos A. Moutsopoulos*, Department of Philosophy, University of Athens, Member Academy of Athens

**The Quest for Bio-Ethics**

**Belgium:** Bioethics, Professor *Frederic A. Lints*, Faculty of Sciences, Catholic University of Louvain  
**France:** How Far to go in Genetic

Biology, Moscow State University  
 Professor *Vitaly Samuilov*, Deputy Dean, Department of Biology, Moscow State University  
 Dr. *A. V. Oleskin*, Department of Biology, Moscow State University  
**Austria:** Biosociety - a Sustainable Society Using Technical Bioprocessing in Natural Cycles, Professor *Anton Moser*, Technical University of Graz  
**Poland:** Biomedical and Ecological Conditions in the Creation of Bio-Environment, *Edward Kamienski*, Director, Centre for Building Biology and Environmental Energy Action

**Bio-Legislation - Past and Present Challenges**

**Greece:** The Embryo in Byzantine Canon Law, Professor *Spyros Troianos*, Faculty of Law, University of Athens  
**Israel:** The Protection of Biotechnological Inventions, *Mayer Gabay*, Civil Service Commissioner, Former Director General, Ministry of Justice

**Bios and Business**

**Germany:** Towards a "World Budget." Thoughts on a World Resource Tax, Professor *Udo E. Simonis*, Director, International Institute for the



Engineering and Genetic Manipulation, Professor *E.E. Creppy*, Laboratory of Toxicology and Applied Hygiene, University of Bordeaux II  
**Belgium:** The Bio-Environment - a Gift to be Managed, Dr. *Huberte Hanquet*, Senator, President of the Commission of Foreign Affairs  
**Turkey:** The Meaning of Life from the Christian Point of View\*, His Eminence the Metropolitan of Philadelphia, Dr. *Meliton Karas*, Secretary of the Holy Synod, Ecumenical Patriarchate

**The Biotechnological Challenge**

**USSR:** Industrial Biotechnology and Biopolitical Problems, Professor *Michail N. Manakov*, Moscow Mendeleev Chemico-Technological Institute Professor *N.B. Gradova*, Moscow Mendeleev Chemico-Technological Institute; Supraorganismic Biological Structures in Biopolitical Terms, Professor *Mikhail V. Gusev*, Dean, Faculty of

Environment and Society, Science Centre Berlin; Motivation of Personnel for more Environmental Protection in Practice, Dr. *Georg Winter*, Chairman of the Board, B.A.U.M. Environmental Management Association  
**Greece:** Bios and Business, *Kitty P. Kyriacopoulos*, Chairman of the Board, Bauxites Parnasse Mining Company S.A.  
**Turkey:** Bios and Developing Economies, *Orhan Karakullukcu*, Industrialist, f. Mayor of Trabzon

**Maintaining Bio-Diversity**

**UK:** Tropical Rainforests and Sustainable Use: The Need for Global Education, Dr. *David J. Chivers*, Scientific Director, Department of Veterinary Anatomy; The I.U.B.E., An International Awareness Centre, *William J. Cairns*, Chairman, W.J. Cairns and Partners  
 Belgium Views on the I.U.B.E. Structure, Dr. *Rene van Essche*, Director, Scientific and Regulatory

Affairs for the EEC  
**Turkey:** Bio-Diversity in Turkey, Professor *Aykut Kence*, Chairman, Department of Biology, Middle East Technical University  
**Canada:** Restoration of the Coast: Positive Technology at Work, Dr. *Colin D. Levings*, Research Scientist, West Vancouver Laboratory  
**Philippines:** ASEAN Coastal Management: Paradox Emerging from the Philosophy of Need, Dr. *Miguel D. Fortes*, Marine Science Institute, University of the Philippines  
**Netherlands:** A Quantitative Method for the Description and Assessment of Ecosystems: The AMOEBa Approach, *B.J.I. ten Brink and F. Colijn*, Tidal Waters Division, Ministry of Transport and Public Works  
**Israel:** Perturbations in the Marine Environment and their Impact on Living Resources, Professor *Baruch Kimor*, Faculty of Agricultural Engineering, Technion Israel Institute of Technology  
**CSSR:** The Oceans: Exploitation of Resources and Pollution, Professor *Vaclav K. Mejstrik*, Director, Environmental Ecology Institute, Czechoslovak Academy of Sciences  
**USSR:** Ecological Monitoring of Seas and Oceans The Eco-Aqua Project, Dr. *Vladislav Souponitsky*, General Director of the Eco-Aqua Consortium, Structure of the International University for the Bio-Environment  
**France:** Has the Time Come for the I.U.B.E.?, *Georges Martin*, Engineer, Agronomist-Consultant  
**Greece:** I.U.B.E. Financial Structure, H.E. Ambassador *Achilles Exarchos*; The Role of the International University for the Bio-Environment, Professor *Basil C. Papadias*, National Technical University of Athens  
**France:** Remarks on the Conditions for the Creation of the I.U.B.E., Professor *Michel Despax*, Honorary President, University of Social Sciences of Toulouse  
**Ghana:** The Structure of the I.U.B.E., *Mike Awua-Asamoah*, Director, Deputy Secretary General, WFUNA Africa Regional Office  
**Poland:** Sailing University, Captain *Krzysztof Baranowski*, International Class Afloat Foundation  
**USA:** A Strategic Approach for Environmental Education, Professor *Nicholas A. Ashford*, M.I.T.  
**Turkey:** The I.U.B.E.: Its Goals and Clients, Professor *Rusen Keles*, Director, Centre for Environmental Studies, Ankara University  
**Portugal:** The I.U.B.E.: Education and Behaviour, Professor *Antonio Manuel de Sousa Otto*, Director, Ministry of Industry and Commerce

**The Framework of the I.U.B.E.**

**Ghana:** Re-directing Societal Values and Attitudes to the Respect of the Bio-Environment *Bernard Kwami Kuma*, Honorary President, WFUNA  
**Israel:** The Strategy Behind Environmental Education, Professor *Lev Fishelson*, University of Tel Aviv  
**Belgium:** Human Ecology as an Example of Interdisciplinary Cooperation, Professor *Charles Susanne*, Laboratory of Human Genetics, Free University of Brussels  
**Turkey:** Some Views on the I.U.B.E., Professor *Ahmet Samsunlu*, Istanbul Technical University  
**Greece:** Priorities and Urgency of Environmental Problems\*, Professor *John Papaioannou*, Adviser, Athens



Centre of Ekistics

**UK:** The B.I.O. and the International University for the Bio-Environment, Professor *Andrew A. Brennan*, Department of Philosophy, University of Stirling

**Germany:** Think Globally, Act Locally Professor *Erich Taubert*, Member of the Board of the UNA

**USA:** Systems Human Ecology: Towards a new Paradigm, Professor *Stephen L. Chorover*, Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology

**Turkey:** Establishment of the I.U.B.E. to Provide Global Cooperation Professor *Hunay Evliya*, Cukurova University

**Poland:** The Conception of the I.U.B.E. Bio-Environment, Professor *Jan W. Dobrowolski*, Deputy Dean, Institute of Management and Protection of the Environment, Polish Academy of Sciences

**Netherlands:** The Sum of Billions of Individual Decisions Can Mean Change, *Albert T.H. Ten Houten*, Member of the Dutch National Advisory Council for Research on Nature and Environment

**Sri Lanka:** B.I.O. and the I.U.B.E., Observations on Goals and Objectives, *Kumaran Fernando*, Secretary General, UNA

**Philippines:** The I.U.B.E. - Goals and Priorities, Dr. *Liduvina R. Senora*, Executive Secretary, UNA

**The Views of Youth**

**Greece:** I.U.B.E. - the Involvement of Youth, *Christos Efthimiopoulos*, University of Athens and *Alexis Coscoros*, Athens College

**The Role of the Media**

**USA:** The Alliance Network for Environmental Education, Professor *Terence John Mills*, Director, Centre for Environmental Education, Oklahoma State University; The Importance of Context: Environmental Education in the United States, Dr. *David W. Shapiro*, Media Specialist

**Bio-Syllabus Recommendations**

**U.K.:** Study of Environmental Science at British Universities\*, Dr. *Robert T. Taylor*, British Council, Athens; Biopolitics and the Peace Studies Curriculum\*, *Terence Duffy*, Senior Tutor in Peace Studies, University of Ulster

**U.S.A.:** One Week Programme in Bio-Habitability\*, Professor *Giulio Pontecorvo*, Director, Centre for Business and Government Studies, Columbia University

**Netherlands:** A Bio-Syllabus: Cleaner Production - Theory, Concepts, Practice, Professor *Donald Huisingh*, Erasmus Centre for Environmental Studies, Erasmus University

**Israel:** The B.I.O. Curriculum: The "Beyond" Curriculum, Professor *Edna Aphek*, The Seminary of Judaic Studies

**Hungary:** Bio-Environment Courses in the Economics University Professor *Gyula Bora*, Rector, Budapest University of Economics

**Turkey:** The I.U.B.E. - A Special Subject Model, Professor *Zafer Erturk*, Dean, Technical University Karadeniz

**USSR:** On the Problem of Anthropocentrism and Biocentrism, Professor *Mikhail V. Gusev*, Dean, Faculty of Biology, Moscow State University; Majoring in Biopolitics in the I.U.B.E., Dr. *Boris A. Gontarev*, President, Academy of World

Civilizations, Moscow

**Israel:** Curriculum Format of the I.U.B.E., Dr. *Uri Marinov*, Director General, Ministry of the Environment

**Philippines:** Global Environmental Scenario a Concern of the I.U.B.E., *Gloria Castro Gatchalian*, Project Director, Eulogio Amang Rodriguez Institute of Science and Technology

**Bio-Diplomacy**

**Turkey:** Bio-Diplomacy and the Bio-Environment H.E., Ambassador *Gunduz Aktan*

**Colombia:** Bio-Diplomacy: The Colombian Dimension H.E., Ambassador *Eduardo Barajas*

**Morocco:** Aspects of Environmental Policy in Morocco H.E., Ambassador *Abdelaziz Laabi*

**Sudan:** The African Dimension, H.E. Ambassador *Tagelsir Mohamed Abbas*

**Israel:** The Challenge of Protecting the Bio-Environment\*, H.E. Ambassador *Moshe Gilboa*

**Egypt:** Egyptian Policy, Environmental Protection and International Co-operation, H.E. Ambassador *Ahmed Shaban El-Zant*

**Bio-Policy**

**USA:** Educational and Political Outreach by the I.U.B.E., *Jordan A. Horvath*, Board of Directors, UNA and *James P. Muldoon, Jr*, Director, Model UN and Youth, UNA

**Nigeria:** The Bio-Syllabus African Dimension: The Need for International Education, *Tina Uwechue*, Barrister at Law, Vice-President, UNA

**China:** A Quick Glance at a Developing Country's Bio-Environmental Education, *Liu Chun Yu*, Deputy Director, Pollution Control Department, Environmental Protection Agency

**Japan:** Approach to Global Environmental Issues, Professor *Jiro Kondo*, President, Science Council of Japan, Director, Research Institute of Innovative Technology for the Earth

**Israel:** The Israeli Environmental Scenario for the Year 2025, Dr. *Amram Pruginin*, Deputy Director General, Ministry of the Environment,

**Poland:** Ecodevelopment-Education-Politics, Professor *Stanislaw Radwan*, Academy of Agriculture, Institute of Physical Planning; Bio-Environmental Protection, the Present and New Vision, Professor *Krzysztof Korzeniewski*,

Institute of Oceanography, University of Gdansk and Professor *Janina Ewert*, Faculty of Mathematics and Sciences, Pedagogical University, Slupsk

**USSR:** Protection of the Environment - a Part of the Soviet Union's Science Policy, Professor *Y. Karabasov* and Professor *A. Shlikov*, State Committee for Science and Technology

**Germany:** Ecological Urban Restructuring, Professor *Udo E. Simonis*, Director, International Institute for the Environment and Society, Science Centre Berlin and Dr. *Ekhart Hahn*, Research Fellow, Science Centre of Berlin

**CSSR:** Political Decisions on Ecological Problems: Anthro-ecological Approach, Dr. *Jaroslav Stoklasa*, Chairman of the Federal Committee for the Environment, Academy of Sciences

**Yugoslavia:** Environment, Survival and Bioethics: The Drama of Contemporary Civilization, Professor *Dusan Kanazir*, President, Serbian Academy of Sciences and Arts.

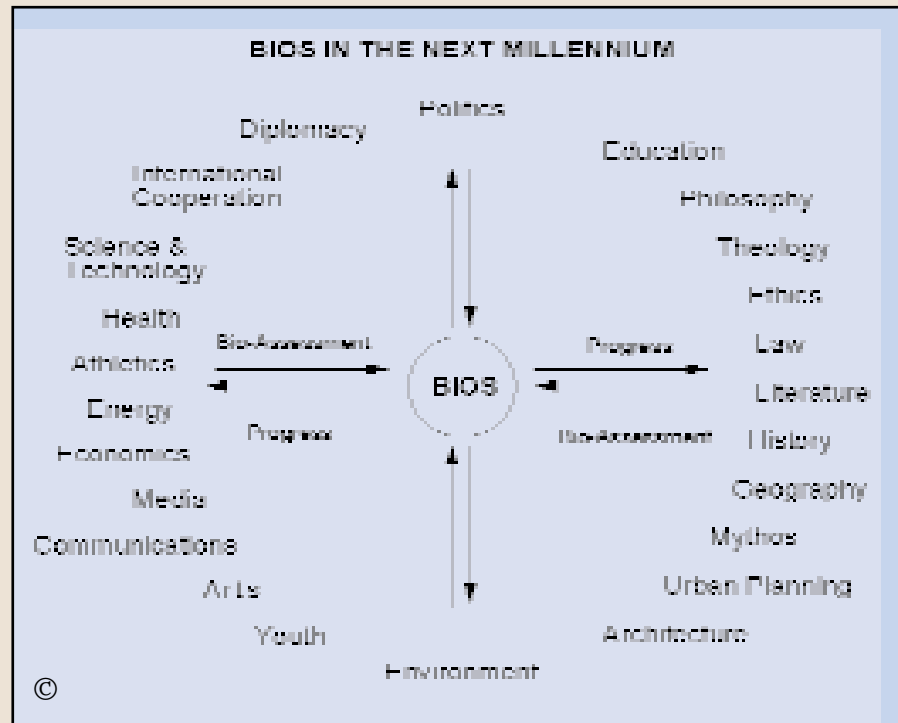


The International University for the Bio-Environment Rodini Centre, donated to the B.I.O. by the Municipality of Rhodes, was inaugurated October 29, 1995

**Bio-Education for a Global Responsibility**

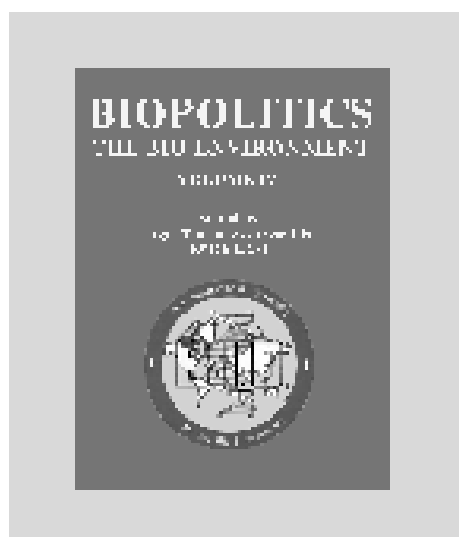
In the search for new models and a new vision for the future, an integrated biocentric education, that secures lifelong environmental literacy for every citizen in the world, is a necessary vehicle for the successful furtherance of a global appreciation of bios. Bearing in mind that universities should be, by definition, "universal," the International University for the Bio-Environment (I.U.B.E.), launched by the Biopolitics International Organisation in 1990, promotes a model bio-education, by introducing interdisciplinary educational reforms, on a world-wide basis. Information technology breakthroughs, such as satellite communication and the Internet, are considered among the most important tools for the timely realisation of this project.

Recently the I.U.B.E. acquired permanent headquarters in the Park of Rodini, on the island of Rhodes, Greece. This offers the possibility for the dynamic implementation of I.U.B.E. goals and the acceleration of the I.U.B.E. Visiting Scholars Program, whereby leading educators and decision-makers from around the world will inseminate existing educational institutions with new bios promoting values. The aim is for the I.U.B.E. site at Rodini to be-



come a world-calibre centre for the development of multidisciplinary environmental concepts, outside the confines of conventional environmental science, leading to a revised educational system for the entire planet. Major goals of the I.U.B.E. include:

- establishing international educational reforms for an efficient, global bio-education, with the use of satellites, the Internet and other communication links
- instating international co-operation for environmental protection, leading to a new era of bio-diplomacy
- redefining the basic core of educational curricula and incorporating interdisciplinary elements into all educational programs, making bio-environmental education the major interdisciplinary link, world-wide
- promoting international legislation on bios rights
- contributing bios-related dimensions to business and management concepts and setting up the framework for new economic strategies, compatible with environmental preservation
- providing incentives for business leaders, political decision-makers and the general public to elaborate on a new strategy compatible with the interests, needs and values of the bio-environment
- organising an international campaign for Environmental Olympics and awarding Bios Prizes to "individuals or institutions that have contributed to the preservation and appreciation of the bio-environment"
- sensitising public opinion to the ramifications of the biological sciences
- promoting an international bio-assessment of technology, so as to ensure technological and economic progress that support the bio-environment



### The Bio-Environment and International Cooperation

**Greece:** Bios in the Next Millennium: Reversing the Crisis of Values, Dr. *Agni Vlavianos-Arvanitis*, President and Founder, Biopolitics International Organisation

**Turkey:** The Responsibility of Universities, Professor *Necdet Serin*, President, Ankara University; A Responsibility for the Bio-Environment, Professor *Rusen Keles*, Faculty of Political Sciences, Ankara University; Biopolitics and International Co-operation, Professor *Nurettin Sozen*, Faculty of Agriculture, Ankara University; Planning for the Bio-Environment, *Hayri Kozakcioglu*, Governor of Istanbul; The Bio-Environment: Central and Local Policy, *Ismet Sezgin*, Minister of Interior; Bio-Environment and Development, *Abdulkadir Ates*, Minister of Tourism; Biopolitics and Governmental Policy, *Dogancan Akyurek*, Minister of Environment

### Bio-Diplomacy

**Sweden:** The Art of Bio-Diplomacy H.E. Ambassador *Kai Falkman*, General Consul of Sweden in Istanbul

**Greece:** The Unfinished Symphony, *Andreas Politakis*, Honorary Doctor, Founder of the Ipekci Peace and Friendship Prize

**Russia:** *Valerij Grishin*, Head of Information, Council of Ministers of Russia

### Bio-Assessment of Technology

**Sri Lanka:** Needed Educational Revision on the Impact of Technology, *Kumaran Fernando*, Secretary General, UNA

**U.S.A.:** Technological Imperatives - Challenges and Solutions, Professor *Nicholas Ashford*, Massachusetts Institute of Technology

**Turkey:** Preservation of Environmental Problems for the Future, Dr. *Adnan Aydin*, Director, Environmental Research Centre, Marmara University

# BIOPOLITICS THE BIO-ENVIRONMENT VOLUME IV

*The Bio-Assessment of Technology in Relation to the Preservation of the Bio-Environment. Proceedings from the Fifth B.I.O. International Conference held in Istanbul, May, 1992*

**Czechoslovakia:** Anthro-Ecological Approach of Technology, Dr. *Jaroslav Stoklasa*, Chairman of the Commission, Czechoslovak Academy of Sciences

### Bio-Ethics and Bio-Legislation

**Yugoslavia:** Bioethics, Survival and Global Drama, Professor *Dusan Kanazir*, President, Serbian Academy of Sciences and Arts

**France:** Legal System of Fauna and Flora Protection in France, Professor *Michel Despax*, Honorary President, University of Social Sciences, Toulouse, Professor *William Coulet*, University of Social Sciences, Toulouse

**Greece:** Bios Rights - Legal Dimensions Related to the Preservation of the Bio-Environment, Dr. *Angelos Tschrintzis*, Attorney at Law

**Russia:** Bio-Ethics and the Role of

Technology for Efficient Environmental Policy, Professor *Nur Sozen*, Faculty of Agriculture, Ankara University; Environment and Adult Education, Professor *Cevat Geray*, Director, Ernst Reuter Center of Urban Studies, Faculty of Political Sciences, Ankara University; Environmental Education in Turkey, *Mehmet Tuncer* and *Memet Erol*, University of Ankara; Co-operation between Universities and Industry in Environmental Protection, Professor *Ahmet Samsunlu* and Professor *Veysel Eroglu*, Istanbul Technical University

**Nigeria:** The Need for the Integration of Environmental Concept in University, Teaching - The Role of the I.U.B.E African Dimension, *Tina Uwechue*, Vice-President, UNA

**Japan:** Bio-Diversity, Professor *Jiro Kondo*, President, Science Council of



Women Organisations, Dr. *Alexandra Momdjian*, President, International Women's Center, Vice President, Academy of Creative Endeavours

**Turkey:** Biopolitics in the Light of Bio-Ethics, Professor *Yaman Ors*, Medical School of Ankara

### The Role of Bio-Education

**Russia:** Biopolicy and the Training of Engineers: Biotechnologies in Russia, Professor *Michael Manakov*, Member of the Academy of Sciences and Head of Department, Mendeleev University of Chemical Technology, Professor *Pavel Sarkisov*, Rector, Mendeleev University of Chemical Technology

**Turkey:** The Role of Education and

Japan

**Philippines:** The Role of the I.U.B.E. in Natural Disasters, Dr. *Liduvina Senora*, Executive Secretary, UNA

**Greece:** International Exchange Programmes in Bio-Education - A New Perspective for Youth, *Christos Ethimiopoulos*, University of Athens, Member, Biopolitics International Organisation

### Bio-Policy and Bio-Economy

**Germany:** Toward a Houston Protocol - How to Allocate CO<sub>2</sub> Emission Reductions Between North and South, Professor *Udo Simonis*, Director, International Institute for the Environment and Society, Science Center Berlin; Poverty, Environment and Development, *Deonanan Oodit*, Senior Economic Affairs Officer, United Nations, New York

**Hungary:** Contradictions of Technical Improvement in the Transition Time from Planned to Market Economy in Hungary, Professor *Gyula Bora*, Vice-Rector, Budapest University of Economics

**Netherlands:** Bio-Environmental Imperatives for Decision Making, *Albert ten Houten*, Milieu and Organisatie B.V.

Netherlands; Business and Bio-Environment, *W.L. van Oyen*, Consultant, Ministry of Environment

**Turkey:** Ecotourism and Education, *Mehmet Arif Demirel*, Industrialist;

Man, Environment, Technology and Universities, Professor *Aykut Kence* and Professor *Meral Kence*, Department of Biology, Middle East Technical University, Ankara

**Romania:** The Implementation of Biopolitics in Romania, Dr. *Pia Elena Mihnea*, Romanian Institute for Marine Research Technology and the Preservation of the Environment

## RESOLUTIONS

At the end of the Fifth B.I.O. International Conference, the following resolutions were unanimously accepted by the participants, who first and foremost pledged complete support of all B.I.O. goals:

- the International University for the Bio-Environment constitutes the primary effort of the B.I.O. and needs to be used as the tool to implement the goals of the B.I.O. as stated in all previous conferences and resulting publications, since those include the commitment of representatives from 54 countries
- the biopolitics vision must be urgently implemented. This includes the sensitisation of all media, communications, educational institutions, representatives from industries and governments and decision makers in all levels of vertical responsibility on the need to place in the core of action and learning the respect for the bio-environment as a new value system
- this reform should be an on going process contributing to the harmonious coexistence of all forms of life and shifting from anthropocentric to biocentric values (bio-economics, bio-culture, bio-ethics, biollegislation, bio-architecture, bio-theology)
- since in a consumer society money constitutes a value system which needs to be revised, it was resolved to consider as a priority a new definition of profit. Today's society equates value with the quantity of money. This understanding may evolve to include also the dimensions of quality of life.
- the active participation of women and youth in the decision making process is of utmost importance for the preservation of the bio-environment. In view of the Rio de Janeiro Earth Summit, it was proposed that the following be included as "Recommendations by the B.I.O. and its Supporters":
- as previously published and recommended, a World Referendum could provide the expression of opinion by every individual of our Planet on the wish "to support the bio-environment and the continuation of bios"
- bio-diplomacy may serve as a new pathway of international cooperation. Bio-diplomacy substitutes the policies of fragmentation and division with a far-sighted unifying vision of interdependence. Since all people belong to the body of humanity, differentiation in culture, colour, tradition, religion may be viewed as an enrichment of bios rather than reason for division. In addition, all living species belong to the body bios and the protection of bio-diversity and harmonious coexistence of all forms of life constitute the basis of bio-diplomacy.



From left to right: Turkish Tourism Minister, Mr. A. Ates; the Mayor of Istanbul, Mr. N. Sozen; the Turkish Minister of Interior, Mr. I. Sezgin; His All Holiness the Ecumenical Patriarch, Mr. Vartolomeos.



1986: Biopolitics at the UNA meeting in Berlin, G.D.R. The chairman resolved to promote Biopolitics as an instrument for international co-operation and this recommendation was sent to 150 nations.

Subsequently, at the 31st WFUNA Plenary Assembly in Canada (1987), the following Biopolitics goal was passed in the resolutions: "...the importance of bios (life) will be reflected in the agenda of WFUNA and national UNA's with the goal to achieve new dimensions in international co-operation, education and many other fields."

In 1994, the Biopolitics proposal for cease-fire during the Olympic games was passed as a UNA resolution in Sri Lanka.

In 1996, B.I.O. President and Founder, Dr. A. Vlavianos-Arvanitis was appointed Commissioner on the Global Commission to Fund the United Nations, a commission assigned with the responsibility of assuring the UN of adequate funds to perform tasks in peacekeeping, humanitarian aid, protection of the global environment and sustainable development.



1993: B.I.O. President, Dr. A. Vlavianos-Arvanitis, and B.I.O. Trustee, Prof. R. Keles receive the first communication Abdi Ipekci Peace and Friendship Prize, for their contribution to international co-operation and understanding on the bio-environment.

## From the B.I.O. Photo Album



1991: "Parnassos" Literary Society - Panel discussion on the International University for the Bio-Environment (I.U.B.E.) and the role of youth.



1990: H.E. the Ambassador of India on the occasion of the "Third Bios Day," held in honour of H.E. the Ambassador of Turkey, Mr. Gunduz Aktan and the participants of the Hellenic-Turkish Symposium (p.21 this issue).



1989: B.I.O. held two special events in Trabzon, with the participation of leaders in politics and academia.



1987: One of the first Biopolitics presentations at the World Council of Churches, Switzerland. Biopolitics subsequently participated in major events organised by the Archdiocese of Boston and New York City, as well as by the Ecumenical Patriarchate.



1989: "Second Bios Day" - A picnic lunch in the country home of the painter Angelos, in honour of H.E. the Ambassador of Japan, Mr. Kazuo Kaneko.

**BUSINESS STRATEGY FOR THE BIO-ENVIRONMENT, VOLUME I (Greek)**



Proceedings from a Conference on Pollution Prevention Business Strategy, Athens, November 2, 1992

Contents: • *Biopolitics - Bio-Economics* Dr. Agni Vlavianos-Arvanitis, President and Founder, Biopolitics International Organisation • *The Bio-Environment and Development* George Gennimatas, f. Parliamentarian and Cabinet Member • *Hellenic Industry and the Bio-Environment* Iason Stratos, President, Union of Greek Industries • *Business and the Bio-Environment* Sokratis Kokkalis, President, INTRACOM S.A. • *Chemical Industry and the Bio-Environment* Stathis Asvestis, f. President, Dow Hellas S.A. • *Environmental Policy in the Chemical Industry* Bob Donaldson, Director of Plant Operations, ICI Hellas S.A. • *Greek Corporate Environmental Policy - A Statistical Approach* Dimitris Maniatakis, General Manager, ICAP Hellas S.A. • *The Changing Role of the World Bank in the Protection of the Bio-Environment* Dr. Julia Panourgia-Clones, Environmental Advisor, The World Bank, Washington DC • *Cleaner Production - Preservation of the Bio-Environment - Increased Profit* Professor Donald Huisingh, Erasmus Centre of

Environmental Studies • *Pollution Prevention and Rational Management* Professor Constantine Yapijakis, Albert Nerken School of Engineering, Cooper Union, New York • *The Bio-Environment and Economic Reforms* Professor Udo Simonis, Science Centre Berlin

**BUSINESS STRATEGY FOR THE BIO-ENVIRONMENT, VOLUME II (Greek)**

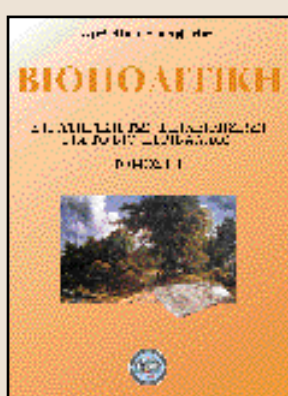


Proceedings from a Hellenic-American Symposium, Athens, December 14, 1993

Contents: • *Biopolitics: A Shift from Anthropocentric to Biocentric Values in Business* Dr. Agni Vlavianos-Arvanitis, President and Founder, Biopolitics International Organisation • *Business Strategy for the Protection of the Bio-Environment* George Papandreou, Deputy Minister of Foreign Affairs • *Policy of the United States Environmental Protection Agency* Dr. Bradley Smith, Director of Environmental Education, United States Environmental Protection Agency • *Structural Economic Change and the Bio-Environment* Professor Udo E. Simonis, Science Centre, Berlin • *European Environmental Policy - Legislative and Economic Framework* Scott W. Blackmer, Partner, Wilmer, Cutler & Pickering • *Cleaner Production - Preventing Pollution at Source* Professor Donald Huisingh, Erasmus Centre for Environmental Studies • *Pollution Prevention - Green Chain of Production* Professor Constantine Yapijakis, Albert Nerken School of Engineering, Cooper Union, New York • *Business Strategy for the Bio-Environment* Iason Stratos, President, Union of Greek Industries • *Bio-Environment and Business Adaptation* Dimitris Maniatakis, Managing Director, ICAP Hellas S.A. • *Investing in Survival* Asimakis Fotilas, Director of Investments Promotion, United Nations Industrial Development Organisation (UNIDO) • *The Bio-Environment - Governmental and Entrepreneurial Planning* Nikos Skoulas, Consultant to the Food Industry, f. Minister of Tourism • *Reality and Prospects in Greek Industry* Dr. Alexis Paraskevopoulos, Environmental Consultant • *Environmental Dimensions of Economic Education* Dr. Stephen Buckles, President, Economics America, National Council on Economic Education • *Environmental Leadership - The Management of Change* Karl Kummer, Environmental Director, Rank Xerox Ltd • *Dow - Responsible Care for the Environment* Dr. Constantine Masmanidis, General Manager, Dow Hellas S.A. • *Business and Environmental Protection* Dr. Christos Tsilyiannis, Technical Manager, Waste Management Greece S.A. • *Manufacturers and Prevention Policy* Jared O. Blum, President, Polyisocyanurate Insulation Manufacturers' Association • *S.C. Johnson and the Bio-Environment* Michael Pagidas, General Manager, S.C. Johnson and Son Hellas Ltd. • *Prevention of Pollution at Source - Environment and the Consumer* Polychronis Polychroniadi, General Manager, PERAN Environment and Development S.A. and ELAN Hellenic Developments S.A. • *Resource Conservation and Recovery - Action Against Over-Consumerism, Pollution and Poverty* J. Patrick Nicholson, Chairman and CEO, N-Viro International Corporation • *Proposal on a New Dimension of Profit* John Boutaris, President, I. Boutaris and Son S.A.

Director, ICAP Hellas S.A. • *Investing in Survival* Asimakis Fotilas, Director of Investments Promotion, United Nations Industrial Development Organisation (UNIDO) • *The Bio-Environment - Governmental and Entrepreneurial Planning* Nikos Skoulas, Consultant to the Food Industry, f. Minister of Tourism • *Reality and Prospects in Greek Industry* Dr. Alexis Paraskevopoulos, Environmental Consultant • *Environmental Dimensions of Economic Education* Dr. Stephen Buckles, President, Economics America, National Council on Economic Education • *Environmental Leadership - The Management of Change* Karl Kummer, Environmental Director, Rank Xerox Ltd • *Dow - Responsible Care for the Environment* Dr. Constantine Masmanidis, General Manager, Dow Hellas S.A. • *Business and Environmental Protection* Dr. Christos Tsilyiannis, Technical Manager, Waste Management Greece S.A. • *Manufacturers and Prevention Policy* Jared O. Blum, President, Polyisocyanurate Insulation Manufacturers' Association • *S.C. Johnson and the Bio-Environment* Michael Pagidas, General Manager, S.C. Johnson and Son Hellas Ltd. • *Prevention of Pollution at Source - Environment and the Consumer* Polychronis Polychroniadi, General Manager, PERAN Environment and Development S.A. and ELAN Hellenic Developments S.A. • *Resource Conservation and Recovery - Action Against Over-Consumerism, Pollution and Poverty* J. Patrick Nicholson, Chairman and CEO, N-Viro International Corporation • *Proposal on a New Dimension of Profit* John Boutaris, President, I. Boutaris and Son S.A.

**BUSINESS STRATEGY FOR THE BIO-ENVIRONMENT, VOLUME III (Greek)**



Proceedings from an International Conference on "Profit and The-Bio-Environment," Athens, October 31, 1995

Contents: • *The Bio-Environment and New Models for the Future* *Biopolitics: A New Dimension of the Concept of Profit* Dr. Agni Vlavianos-Arvanitis, President and Founder, Biopolitics International Organisation • *International Co-operation on the Bio-Environment* Address from the Foreign Minister Mr. Carolos Papoulias, H.E. Ambassador Ioannis Beveratos, Director of Cultural Affairs, Ministry of Foreign Affairs, Greece • *The Environment in Every Social, National and Private Initiative* Professor John Pasmazoglou, President, Academy of Athens • *Investing in the Protection of the Environment* John Papathanasiou, President, Athens Chamber of Commerce and Industry • *Bio-Diplomacy and the Struggle for Economic Power* H.E. Ambassador Kai Falkman, Ministry of Foreign Affairs, Sweden • *Bio-Tropics and the Future of Humankind* Professor Mario Calderon Rivera, Santillana Foundation for Latin America, Colombia • *Biopolitics and the Future of the Human Race* Volodymyr Aleksyeyev, Vice-Chairman, Committee on Legislative Provision and Freedom of Speech and Mass

Media, Supreme Parliament, Ukraine • *Biocentric Values and the Ethics of Economic Policy* *Profit, Ethics and the Bio-Environment* Kitty P. Kyriacopoulos, Chairman of the Board, Bauxites Parnasse Mining Co., Greece • *The Rush for Profit and the Ethics of Survival* Professor Dusan Kanazir, f. President, Serbian Academy of Sciences and Arts, Yugoslavia • *Reconciling Profit with Biodiversity. An Inventory of Resources Ready to Hand* Professor Max Oelschlaeger, Department of Philosophy and Religion Studies, University of North Texas, USA • *Finance and the Bio-Environment* *The Bio-Environment in Financial Policy* Panayiotis Poulis, President, Commercial Bank of Greece • *"Greening" of the Private Sector and Partnerships with NGOs: The Social Dimensions of Business Strategies* Dr. Julia Panourgia-Clones, Environmental Advisor, The World Bank, USA • *Bio-Policy and Environmental Regulation* *There does not have to be an OR in the phrase "Environment or the Economy."* Professor Bradley Smith, Dean, Huxley College of Environmental Studies, Western Washington University, USA • *An Attempt to Redefine Public Interest and the Bio-Environment* Professor Rusen Keles, Director of Environmental Studies, Ankara University, Turkey • *Profit and Sustainable Development* Professor Gyula Bora, Vice-Rector, Budapest University of Economic Sciences, Hungary • *Profit and the Bio-Environment - Education* Dr. Jan Morovic, President, City University of Bratislava, Slovak Republic • *European Union: A New Economic Development Model* George Strongylis, Commission of the European Union, Belgium • *Regional Issues* *The Role of Science in the Development of the Republic of Serbia* *Business Interest and Environmental Protection* Professor Slobodan Unkovic, Vice-President of the Government of the Republic of Serbia • *Humanitarian Education at Technical Universities in Russia* Professor Pavel Sarkisov, Rector, and Professor Oleg Altakh, Mendeleyev University of Chemical Technology of Russia • *Ukraine and Biopolitics* Zoya Sharikova, Senior Consultant, Committee on Legislative Provision and Freedom of Speech and Mass Media, Supreme Parliament, Ukraine • *Chernobyl: An Update* Elena Kutova, Head, Department of Production Almagamation, Chernobyl Nuclear Power Station, Ukraine • *The Development of Profitable Technologies in the Context of Bios* Valery V. Grishin, Deputy Directorate Chief, Head of Press-Service, The Directorate of Government Information, Administration of the Government of the Russian Federation • *Socio-Economic Changes in Central-Eastern Europe: Challenges for Biopolitics* Dr. Laszlo Kapolyi, President, System International Foundation, Hungary • *Legal Framework* *Global Charter - Making Sustainability a Legal Requirement* Dr. Martin Alpert, Chairman and CEO, Click Technologies Inc., United States • *The Constitution of the World* Dr. Martin Alpert, Chairman and CEO, Click Technologies, USA • *Business Strategy for the Bio-Environment* *The Corporate Role in Protecting Health, Safety and the Environment* Professor Nicholas Ashford, Massachusetts Institute of Technology, USA • *Management Tools for Monitoring Environmental Progress* Dr. Peter Kantzidis, President, LONZA Ltd., Switzerland • *Environmental Business Policy* Dimitris Maniatakis, Managing Director, ICAP Hellas S.A. • *The Zeneca Group Safety, Health and Environment Management System* Dimitris Randopoulos, Managing Director, Zeneca Hellas S.A. • *Waste Water Treatment in Soft Drink Plants* Christos Komninos, Managing Director, Hellenic Bottling Company • *The Bio-Dimension of Profit* Dr. Basil Kapsokavdis, General Manager, Gerling-Konzern Hellas GmbH • *A Biocentric Sense of the Cost-Benefit Principle* Professor Basil Papadias, National Technical University of Athens • *Strategy for Developing a Global Energy System: Protecting the Bio-Environment through Profitable Technologies* Boris Landa, "Alphabet" Joint Venture Company, Russia and USA • *The Myth of "Jobs Versus the Environment"* Professor Constantine Yapijakis, Director, Environmental Research Laboratory, The Cooper Union School of Engineering, USA • *Steps Towards a Global Environmental Policy* Prof. Udo Simonis, Science Centre Berlin, Germany.

Bio-

The world economy has currently reached the point of fundamentally revising its attitude towards the bio-environment. Policy-makers have started to realise that respecting bios (life) is crucial to the survival of humanity, and that, if environmental destruction is to be curbed, policies ought to be developed and implemented with the intention of promoting harmony and coexistence among all forms of life. Applying available financial and human capital, to invest in soil and water resources, in pollution prevention and in the development of recycling technology, will not only lead to a successful promotion of cleaner production and environmental management, but will also result in a critical reassessment of current assumptions and a new corporate strategy to meet the demands of an increasingly environmentally-conscious society. In view of this pending task, economic science must seriously contemplate the inclusion of concepts that are presently considered abstract and qualitative. It is necessary to develop sound indicators for the formation of financial policies, taking into account the need to preserve natural resources and re-tracing environmental impact. The issue of quality of life needs to assume top priority, as well as health, happiness, internal wealth, culture and education. These elements, which are often excluded from conventional theory of finance, need to become the framework for the new economics of the 21st century.

Since its inception in 1985, the Biopolitics International Organisation (B.I.O.) has been advocating the introduction of bios-oriented values into economic decision-making, and has been encouraging corporate leaders to channel their business activities in an environmentally-friendly manner. Furthermore, the B.I.O. has been stressing the need to set ethical prerequisites for the development of new technologies and clean energy systems, in order

Quality of Life	• Health - Safety - Justice - Happiness - Co-existence with all forms of life. External and Internal Wealth - Micro-Environment - Macro-Environment
Ethical Values	• Dinechronic Values for Society - New Criteria for Business Compatible with Quality of Life
Legislation	• National - Global - Bios Rights - Bio-Diversity - Global Warming - Ozone Depletion - Overpopulation - Poverty - Deprivation
Macro and Micro-Economics	• Time and Space Scale - Historical Perspective - Millennium Approach - Cleaner Production
Bio-Diplomacy	• Interdependence - International Cooperation - Third World Viewed as Partner
International Commerce	• Durable Development - Internalizing External Costs - Consumer Protection
Governance	• New Models of Participatory Democracy - World Referendum - Defense for Bios
Education	• Biocentric Curriculum in Economics - Satellites in Education
Media and Communications	• Internet Communication Feedback - Satellite Diffusion of Information - Marketing
Energy	• Protection of Resources - Study of Bios Models
Employment	• New Opportunities for Employment in Bio-Environmental Protection - Green Salary for Unemployed

to respect and benefit bios and the bio-environment.

The bio-environment can provide the necessary unifying dimensions to transcend boundaries and attain international co-operation. Furthermore, the bio-environment can become the interdisciplinary link between culture, diplomacy, business and trade, leading to a new era of bio-culture, where every endeavour will be governed by biocentric principles and orient towards the appreciation and preservation of bios on our planet.

The B.I.O. would like to stress the importance of bio-culture for the corporate world. In the pursuit of environmentally compatible economic strategies, long-range policies, where the issue of quality of life will become a measurable item and not merely an abstract concept, are essential. Safeguarding the environment needs to become a concrete asset of every nation's prosperity. Within this framework, financial success needs to be evaluated on the basis of improving living conditions, on the entire planet, and contributing to the most challenging task of reversing destructive trends. Moreover, the concept of profit has to be redefined, in order to include dimensions of internal wealth, preservation of natural resources as a measurable part of a nation's prosperity, better health and the protection of biodiversity, which constitute a "genuine" profit for society. Regulation is a priority, whether it comes in the form of taxation, legislation or education. Furthermore, global mobilisation is crucial and public participation, on both a local and international level, can provide the necessary incentives for the establishment of world-wide, bios-supporting policies.

As an example of new employment opportunities that the bio-environment can offer is the establishment of a "Green Salary" instead of conventional financial aid for the unemployed. With current unemployment rates rising and governments forced to allot

## a New Dimension of the Concept of

significant portions of their budgets for covering unemployment benefits, the time has come to seriously consider viable alternatives to counter the situation. **The B.I.O. has been promoting the introduction of a Green Salary for the unemployed, with the commitment to work for the protection of the bio-environment.** Projects could include tree planting, city cleanup, recycling, resource recovery and many other similar constructive activities. This Green Salary can help elicit a positive feeling among the unemployed, in addition to providing new opportunities for work and aiding the attempt to lower unemployment levels. Moreover, businesses could be granted special tax deductions when providing for the unemployed to be involved in environmental projects.

Modern technology and scientific breakthroughs constitute powerful tools, resulting in new challenges for business and leading the way to a new societal structure. It is therefore essential to guide this progress towards a positive direction and apply a millennium vision to decision-making and policy-planning, in order to preserve the earth for the generations to come.

### The Periodic Table of Economic Science

Environmental preservation is inextricably linked to economic progress. Preserving the wealth and beauty of the bio-environment, securing the health of the earth's population, and guaranteeing equal educational opportunities for every country in the world can be a source of genuine profit, both monetary and social.

Economics will need to be upgraded to a comprehensive science, in order to eliminate negative stereotypes of fragmentation and mutual exclusion. The study of the intricate relationships between economics and all the varied manifestations of our natural and cultural heritage can provide the missing elements for an integrated understanding of economic phenomena, thus leading to the formation of the Periodic Table of Economic Science, much like the periodic table of elements in chemistry, that the Russian chemist D.I. Mendeleev drafted more than a century ago.

In devising the periodic table, Mendeleev captured the order of the universe. Not only was he able to classify known elements and describe their properties in detail, but managed to accurately pre-

**“Safeguarding the environment needs to become a concrete asset of every nation's prosperity.”**

dict the existence and properties of elements discovered many years later. Even though the periodic table was framed more than a century ago, it still remains the most important single correlation of chemistry, permitting us to deal with the great variety and diversity of nature. The diachronic aspect of Mendeleev's table is as important today as it ever was. If we view our future as a periodic chart, then we can begin to search for ways to enrich it and fill all the empty spaces with new values and a constructive vision. Modelling the periodicity of chemical properties in vertical and horizontal patterns, led to the discovery of the order and clarity of science. A vertical and horizontal classification of priorities in society reveals their interdependence and can lead to a harmonious future.

Electronic structure, which forms the basis of the periodic table, conveys the concepts of energy and potential. Similarly, priorities in society need to be classified according to their positive contribution towards uplifting values and human potential. This potential can be applied to enrich our society with a better understanding of biological and cultural diversity. Waves of energy and light, waves of communication, can bring us together as a global community to decide on a joint pathway for the future. New ethics have to govern our action and thought, in order to make full use of the benefits of economic progress and eliminate destructive trends.

Today, we have the wisdom to control economic progress and we should apply it to its full extent. We can use the knowledge gained to improve our quality of life and improve the world for the generations to come. We can fill all the empty spaces of our periodic table with the beauty and wealth of cultural and historical diversity and build a positive framework for the future. Once economic science acknowledges the urgency of re-evaluating its role with reference to a long-term, global financial policy, it will be more efficient in answering to the challenges of the next millennium. Once business leaders acknowledge the urgency of protecting bios, they will be more successful in fulfilling the needs of the enterprise, the community, the country and the world.

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Biopolitics International Organisation

### BUSINESS STRATEGY FOR THE BIO-ENVIRONMENT (English)

Proceedings from a Hellenic-American Symposium, Athens, December 14, 1993

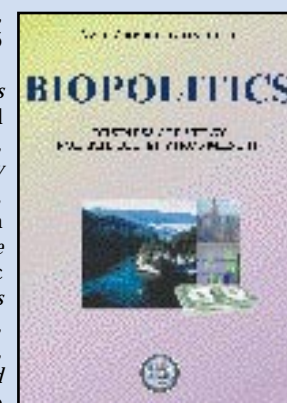
Contents: • *Biopolitics: A Shift from Anthropocentric to Biocentric Values in Business* Dr. Agni Vlavianos-Arvanitis, President and Founder, Biopolitics International Organisation • *Business Strategy for the Protection of the Bio-Environment* George Papandreu, Deputy Minister of Foreign Affairs • *Policy of the United States Environmental Protection Agency* Dr. Bradley Smith, Director of Environmental Education, United States Environmental Protection Agency • *Structural Economic Change and the Bio-Environment* Professor Udo E. Simonis, Science Centre, Berlin • *European Environmental Policy - Legislative and Economic Framework* Scott W. Blackmer, Partner, Wilmer, Cutler & Pickering • *Cleaner Production - Preventing Pollution at Source* Professor Donald Huisingh, Erasmus Centre for Environmental Studies • *Pollution Prevention - Green Chain of Production* Professor Constantine Yapijakis, Albert Nerken School of Engineering, Cooper Union, New York • *Business Strategy for the Bio-Environment* Iason Stratos, President, Union of Greek Industries • *Bio-Environment and Business Adaptation* Dimitris Maniatakis, Managing Director, ICAP Hellas S.A. • *Investing in Survival* Asimakis Fotilas, Director of Investments Promotion, United Nations Industrial Development Organisation (UNIDO) • *The Bio-Environment - Governmental and Entrepreneurial Planning* Nikos Skoulas, Consultant to the Food Industry, f. Minister of Tourism • *Reality and Prospects in Greek Industry* Dr. Alexis Paraskevopoulos, Environmental Consultant • *Environmental Dimensions of Economic Education* Dr. Stephen Buckles, President, Economics America, National Council on Economic Education • *Environmental Leadership - The Management of Change* Karl Kummer, Environmental Director, Rank Xerox Ltd • *Dow - Responsible Care for the Environment* Dr. Constantine Masmanidis, General Manager, Dow Hellas S.A. • *Business and Environmental Protection* Dr. Christos Tsilyiannis, Technical Manager, Waste Management Greece S.A. • *Manufacturers and Prevention Policy* Jared O. Blum, President, Polyisocyanurate Insulation Manufacturers' Association • *S.C. Johnson and the Bio-Environment* Michael Pagidas, General Manager, S.C. Johnson and Son Hellas Ltd. • *Prevention of Pollution at Source - Environment and the Consumer* Polychronis Polychroniadis, General Manager, PERAN Environment and Development S.A. and ELAN Hellenic Developments S.A. • *Resource Conservation and Recovery - Action Against Over-Consumerism, Pollution and Poverty* Patrick Nicholson, Chairman and CEO, N-Viro International Corporation • *Proposal on a New Dimension of Profit* John Boutaris, President, I. Boutaris and Son S.A.



### BUSINESS STRATEGY FOR THE BIO-ENVIRONMENT II (English)

Proceedings from a Corporate Symposium at The Harvard Club of New York City, February 7, 1995

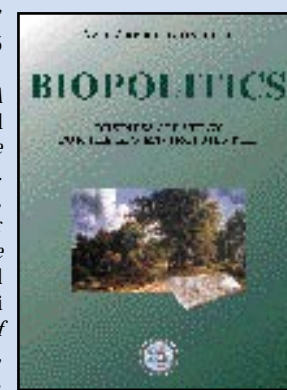
Contents: • *Biopolitics - The Bio-Environment - Bio-Culture and Business Opportunities* Dr. Agni Vlavianos-Arvanitis, President and Founder, Biopolitics International Organisation • *The Third Eye of Industrial Ecology* Carl L. Henn, Senior Vice President, Concord Energy, Inc. • *Business Strategy for the Bio-Environment - The Technical Policy* Professor Constantine Yapijakis, Albert Nerken School of Engineering, Cooper Union, New York • *The Changing Role of the World Bank and the Bio-Environment* Dr. Julia Panourgia-Clones, The World Bank, Washington DC • *Creating Value for and from the Environment: The Arm and Hammer 6 P's Model* Bryan Thomlison, Director of Public Affairs and Environmental Management, Church & Dwight Co. • *ITT Mission, Principles and Practices* Usha Wright, Vice President and Director, Environment Health and Safety, ITT Corporation • *Xerox Corporation Environmental Strategy* James McKenzie, Director, Environment, Health and Safety, Xerox Corporation • *Resource Conservation and Utilisation - A Magnificent Opportunity* J. Patrick Nicholson, Chairman and CEO, N-Viro International Corporation



### BUSINESS STRATEGY FOR THE BIO-ENVIRONMENT III (English)

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**Opening Ceremony**

- His All Holiness the Ecumenical Patriarch, Mr. Vartholomeos
- Elena Bonner, Honourary President, International Sakharov Festival
- Mstislav Rostropovich, President, International Sakharov Festival
- H.E. Foreign Minister Mr. Carolos Papoulias, Greece, Address delivered by H.E. Ambassador George Georgiou
- George Papandreou, Minister of National Education, Greece
- H.E. the Ambassador of the Russian Federation Mr. Valery Nikolayenko
- Professor Jiro Kondo Director General, Research Institute of Innovative Technology for the Earth, Japan
- Elisabeth A. Papazoi Deputy Minister of Physical Planning, Environment and Public Works, Greece
- Professor Pavel J. Sarkisov Rector, Mendeleev University, Russia
- Professor Leonid Goldin Cultural Organisation GOSCO, Russia

**Bio-Diplomacy**

- Sweden:** The Presence and Essence of Bio-Diplomacy, H.E. Ambassador *Kai Falkman*, Ministry of Foreign Affairs
- Turkey:** Biopolitics as a Tool for Sustainable Solidarity, Professor *Rusen Keles*, Director of Environmental Studies, Faculty of Political Sciences, Ankara University
- Greece:** Bio-Diplomacy as a Dimension of Bio-Culture, H.E. Ambassador *Panayotis Economou*, Advisor on International and Public Relations, Biopolitics International Organisation, Greece
- Egypt:** New Pathways for International Co-operation, H.E. Ambassador *Ahmed Nabil El Salawy*, Ambassador of Egypt to Greece
- Turkey:** International Environmental Co-operation: Retrospect and Prospect Professor *Ayse Gulgun Tuna*, Department of International Relations, Bilkent University
- Czech Republic:** Toward the Revival of the European Soul: Post-Socialist Europeans -Neglected but not Negligible, H.E. Professor *Jiri Marvan*, Ambassador of the Czech Republic to Greece

**Bio-Policy**

- Japan:** From Zero Defect, through Zero Inventory, to Zero Emissions, Dr. *Gunter Pauli*, Advisor to the Rector, United Nations University
- The Zero Emissions Research Institute
- Greece:** European Policy for the Environment, *George E. Saridakis*, f. Member of the European Parliament
- Sri Lanka:** Biopolitics: A New Approach to the Politics of Sustainable Development, *Henry Karunaratne*, Honourary President, United Nations Association
- Russia:** Environment and Life Support for National Minorities, Dr. *Reguina A. Yavchunovskaya*, Department of Social Ecology-National Relations, Academy of Creative Endeavours
- Yugoslavia:** Bio-Policy: A Quantitative Analysis of the Bio-Environment, Dr. *Ivana S. Djujic*, Institute of Chemistry, Technology and Metallurgy, Belgrade University
- Turkey:** Bio-Architecture as a Policy

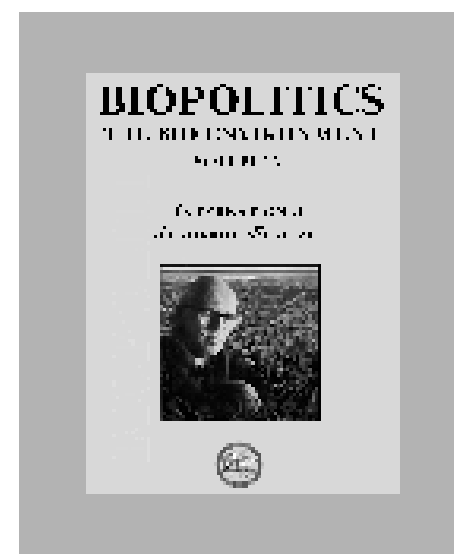
# BIOPOLITICS

## THE BIO-ENVIRONMENT

### VOLUME V

## *International Sakharov Festival*

*Bio-politics - the Bio-Environment - Bio-Culture in the Next Millennium, Athens, July 1994*



for Urban Planning, Professor *Ali Ozbilen*, Vice Dean, Department of Landscape Architecture, KTU Faculty of Forestry

**Finland:** The Second Industrial Revolution - A Summary, Dr. *Eero Paloheimo*, Member of Parliament

**India:** Forestry: Reconciling Poverty and Equity Concerns, Dr. *Kamla Chowdhry*, Chairperson, Centre for Science and Environment

**Bio-Legislation**

**Belgium:** International and European Union Actions Against Climate Change, *George Strongylis*, Commission of the European Union, Direction DG XI

**Russia:** A Contribution to the Preservation and Better Understanding of the Environment, *Yuri A. Korolev*, Institute of Legislation and Comparative Law

**Slovak Republic:** Diplomacy and International Law in the Service of Biopolitics, Professor *Juraj Cuth*, Professor of International Law

**Greece:** Human Rights and the Environment: A Common Future, *Panayotis Karafotias*, Officer in Charge, United Nations Information Centre

**Regional Issues**

**Sudan:** Co-operation for Survival Professor *Faysal Tageldim Abushama*, Director, National Centre for Research

**Indonesia:** Human Values: Modern Technology and Bio-Environmental Preservation, Professor *S. Budhisantoso*, Professorial Assistant, Ministry of the Environment

**Russia:** New Economic, Legislative and Biopolitical Approaches to Environmental Management in Northwest Russia, Professor *Alexander I. Shishkin*, St. Petersburg State

Technological University for Plant Polymers

**Romania:** Environmental Protection and Scientific Research in Romania, Dr. *Mariana Constantinescu*, Ministry of Waters, Forests and Environmental Protection

**Czech Republic:** The Environmental Situation in Central and Eastern Europe: Priorities for Solution on Example of Czechoslovakia, Dr. *Jaroslav Stoklasa*, Environmental Advisor, Czech Academy of Sciences

**Lithuania:** Biopolitics Goals: Lithuania's Obligations, *Leonidas Kairiukstis*, Director of State Scientific Project ECOSLIT, Lithuanian Forest Institute

**Cambodia:** The Environmental Situation in Cambodia, Dr. *Ung Phyrun*, Deputy Director General, State Secretariat for Environment

**Water Issues**

**Germany:** Marine Biology - Pollution and the Protection of Nature, Professor *Wilfried Gunkel*, f. Director, Biologische Anstalt Helgoland

**Turkey:** The Conservation of Wetlands, Professor *Meral Kence*, Department of Biology, Middle East Technical University

**Poland:** Do We Need Protection Areas in the Baltic Sea? Professor *Anna Szaniawska* and Professor *K.E. Skora*, Institute of Oceanography, Gdansk University; The Baltic Sea Region As a Great Potential Area for Biopolitics. Dr. *Eugeniusz Andruliewicz*, Institute of Meteorology and Water management

**Romania:** Ecological Equilibria in Aquatic Environments, Dr. *Gabriella Ivancea*, Department of Aquatic Ecology, Ministry of Waters, Forests and Environmental Protection;

Reservoir Development and Exploitation for a Normal Trophic State, Dr. *Emil Rus* Head, Hydraulic Department, Environmental Engineering Research Institute

**Philippines:** A Developing Region's Investment in Natural Capital, Professor *M. Dino Fortes*, Marine Science Institute

**Israel:** Enclosed Coastal Seas - A Case Study: The Gulf of Aqaba, Red Sea, Professor *Baruch Kimor*, Israel Institute of Technology, Faculty of Agricultural Engineering,

**Bio-Energy**

**Greece:** Bio-Energy Perspectives Versus Bio-Environmental Concerns, Professor *Basil C. Papadias*, Department of Electrical Engineering National Technical University of Athens

**Russia:** Bios and the Physics of Light, Professor *Andrei Rubin*, Head, Department of Biophysics, Moscow State University

**Greece:** Global Balances, Professor *Vlassios Sotiropoulos*, Aristotle University of Thessaloniki

**Bio-Technology and Agriculture**

**Belgium:** Biotechnologies and Agriculture Professor *Frederic A. Lints*, Catholic University of Louvain

**Ethiopia:** Biotechnology Strategy for African Food and Agriculture, Dr. *Ali Haribou*, Member of the Club of Rome, United Nations Economic Commission for Africa

**Greece:** Ecology and Agriculture, Professor *Thomas Alifaktotis*, Department of Agricultural



*The participants of the International Sakharov Festival on the steps of "Evgenidion Hall," the site of the conference academic activities.*

Engineering, Aristotle University of Thessaloniki  
**Israel:** Efforts to Decrease Industrial Pollution and Improve Agricultural Practices in Israel, Professor *J. Stefan Rokem*, Department of Applied Microbiology, Institute of Microbiology Hebrew University, Hadassah Medical School,

**Bio-Ethics**

**Turkey:** Defining Bio-ethics, Professor *Yaman Ors*, Unit of Medical Ethics, Medical Faculty, Ankara University  
**Greece:** Bio-Ethical Assessment of Biotechnology, Dr. *Christos Yapijakis*, Department of Neurology, University of Athens

**Bio-Health**

**Russia:** Russia and Siberia; Health Problems in Environmentally Damaged Territories, Professor *Sergei I. Kolesnikov*, Co-President International Physicians for the Prevention of Nuclear War, President, East-Siberian Science Centre, Academy of Medical Science  
**United Kingdom:** The Bio-Environment and Research on Health, Professor *G.V.R. Born*, William Harvey Research Institute  
**Estonia:** Environment, Co-operation and Children's Health, *Sirje Loot*, Lawyer  
**Romania:** Bio-meteorology and Quality of Life, Dr. *Doina Popescu* and Dr. *Tudor Costin Popescu*, National Institute for Hydrology and Meteorology  
**Hungary:** An Extravagant Promise for the Generations to Come - Clean Fresh Air Over Central and Eastern Europe, *George J. Kollmann*, Chief Counsellor of the Ministry of Welfare, Member, Defence for Children International  
**Iran:** The Rhythm of Bios, Dr. *Hossein S. Mehraban*, Shiraz University Psychology Department,  
**Russia:** Biopolitics: New Technology



World-renowned classical guitarist *Elena Papandreu* performed during a break in the conference academic programme, combining artistry and talent in a brilliant expression of Bio-Culture.

and the Professional Healthy Man, Dr. *Yuri I. Voronkov* Head, Department of Cosmonaut Selection, Institute of Biomedical Problems, Ministry of Health  
**Israel:** Bio-Environmental Quality, Health and Peace, Professor *Lev Fishelson*, Department of Zoology, Tel Aviv University

**Bio-Education**

**Brazil:** Shaping the Future: Education for a Global Responsibility, Dr *Paulo C. Moura*, President, Institute of Political and Social Studies  
**Philippines:** Bio-Education for All: Goal to Achieve Environmentally Literate Global Citizens, Professor *Liduvina R. Senora*, Executive Secretary, United Nations Association Eulogio "Amang" , Rodriguez Institute of Science and Technology  
**Poland:** How to Improve the Bio-Educational System, Professor *Leszek Kuznicki*, President, Polish Academy of Sciences; Democratisation and Bio-Education: Action for a Better Quality of Life, Professor *Jan W. Dobrowolski*, Polish Academy of Sciences  
**Sri Lanka:** Curriculum Material for Biocentric Education and Development, *Kumaran Fernando*, Secretary-General, United Nations Association  
**France:** The Bio-Environment in Primary Education, Dr. *Georges Martin*, Ingenieur I.A.N., Chevalier de l'ordre National du Merite  
**Russia:** Problems of Biopolitics in Teaching Chemical Technology, Professor *Pavel J. Sarkisov*, Rector, Mendeleev University of Chemical Technology and Professor *Michael N. Manakov*, Director, Biotechnology Centre, Mendeleev University of Chemical Technology; Humanitarian Education in Russian Technical Universities, Dr. *Lidia Masalkowa*, Department of Human Sciences, Mendeleev University of Chemical Technology; Bio-Education and its Contribution to Bio-Culture in the Next Millennium, Professor *Inna M. Parkhomenko*, Associate Professor of Biophysics, Moscow State University;  
 Bio-Education: an Avenue Toward the Sustainable Development of Nature and Society in the Third Millennium, Professor *Sergey A. Ushakov* and Dr. *Lidia A. Ushakova*, Moscow State University, Earth Science Museum, Moscow State University; Biopolitics and the Problems of Professional Education in Russia, *Natalia Kuznetsova*, Financial Director, International Academy of Entrepreneurship;  
 Bio-Education: The Actualisation of Biocentric Values, Dr. *Nadezhda Shulenina*, Philosophy Department, Moscow Academy of Chemical Engineering  
**Belarus:** Educational Challenges in the Post Chernobyl Years, Dr. *Alexander M. Lutsko*, Rector, International Sakharov College on Radioecology  
**Lithuania:** Bio-Environmental Education: The Lithuanian Experience, Dr. *Vitalij Denisov* and Dr. *Sergej Olenin*, Klaipeda University  
**Israel:** Biopolitics and Creative Thinking: The Search for Alternatives, Professor Edna Aphek University of Jerusalem  
**Slovak Republic:** Distance Learning for the Environment, Dr. *Jan Morovic*,



*Elena Bonner*, A. Sakharov's widow and Chairperson of the Moscow and U.S. Sakharov Foundations, receives an honorary plaque from the Municipality of Athens. From Left to Right: H.E. V. Nikolayenko, Ambassador of Russia; Dr. A. Vlavianos-Arvanitis, B.I.O. President; Elena Bonner; the Deputy Mayor of Athens.

President, City University Bratislava  
**Netherlands:** Bio-Educational Reforms in Curricula, *Albert Th. Ten Houten*, Athmo, Wageningen  
**Yugoslavia:** An Environmental Approach to the Educational Process, Dr. *Gordana Brun*, Advisor to the Minister of Environment  
**Czech Republic:** Raising Environmental Awareness Through Education, Dr. *Jan Cerovsky*, Senior Scientist, Czech Institute for Nature Conservation  
**United Kingdom:** Biopolitics, the Bio-Environment and Bio-Activism: Toward a Culture of Peace, Dr. *Terence M. Duffy*, Director of Peace Studies, University of Ulster, Magee College

**Bio-Economics**

**Japan:** How to Compete in the 21st Century? The Importance of an Ethical and Environmental Commitment from Corporations  
 Dr. *Gunter Pauli*, Advisor to the Rector, United Nations University, The Zero Emissions Research Institute  
**USA:** Building a Sustainable Future, Professor *Nicholas Ashford*, Massachusetts Institute of Technology; Exploring Links Between Business and the Environment for Sustainable Development, Dr. *Julia Panourgia-Clones*, Environmental Consultant, The World Bank; Resource Conservation and Utilisation - A Magnificent Opportunity, *J. Patrick Nicholson*, Chairman and CEO, N-Viro International Corporation  
**Greece:** How to Escape from the Cycle of Environmental Education, *Assimakis Fotilas*, f. Head, Investments Promotion Centre, UNIDO;  
 Environmental Leadership: A New Business and Marketing Era, *Panos Vogas*, Department of Business Research and Marketing, Athens University of Economics; Progress of Technology and the Future of Bios, Dr. *Nikos Katsaros*, Senior Research Scientist, Democritos National Research Centre  
**Hungary:** Systems Analysis of Bio-Economy: The Role of Entropy and Negentropy in Biopolitics, Dr. *Laszlo Kapolyi*, President, Systems International Foundation; The Role of Economics in the Process of Sustainable Development, Dr. *Gyula Bora*, Vice-Rector, Budapest University of Economic Sciences  
**Switzerland:** The Bio-Environment -

A Managerial Challenge, Dr. *Peter Kalantzis*, President, Lonza Ltd.

**Bio-Philosophy**

**Croatia:** Rationality and Cultural Capital in Improving International Understanding, *Sanjin Dragojevic*, Institute for Development and International Relations  
**India:** Buddhism and Environmental Activism  
 Dr. *Kamla Chowdhry*, Chairperson, Centre for Science and Environment  
**Colombia:** Biopolitics as a Renewed Expression of Classical Humanism, Professor *Mario Calderon Rivera*, Dean, School of Economics, Colegio Mayor de Nuestra Senora del Rosario Universidad  
**Turkey:** Inspiration From Nature and Culture for a Joint Attitude Towards the 21st Century, Professor *Nur Sozen*, Faculty of Agriculture, Department of Landscape Architecture, Ankara University; Global Environmental Change: a Vision for a Better World, Professor *Hunay Evliya*, Director, Centre for Environmental Research, Cukurova University  
**Philippines:** Love Versus Greed: A Key to the Prolongation of Life, Dr. *Gloria Castro-Gatchalian*, Dean, College of Arts and Sciences, Eulogio "Amang" Rodriguez Institute  
**Czech Republic:** Protecting Bios in the Next Millennium. What does this Mean? *M. Lapka* and Dr. *V. Mejstrik*, Institute of Landscape Ecology, Czech Academy of Sciences  
**Russia:** Itinerary for Future Social Technologies  
 Dr. *Natalia Grigorieva*, Social Policy-Social Development, Academy of Creative Endeavours  
**Greece:** Aristotle and the Bio-Environment, *Ekstathia Valiantza*, Environmental Engineering Consultant  
**United Kingdom:** Faith and Bios, Rabbi Dr. *Norman Solomon*, Director, Centre for the Study of Judaism and Jewish/Christian Relations

**Bio-Arts**

**United Kingdom:** Literature, and the Arts as Internal Features of the Biopolitics Curriculum  
 Dr. *Richard Witt*, Vice President, Society of Greek Scientists  
**Greece:** A Flight of Fancy: Music in the Next Millennium, Professor *John G. Papaioannou* Advisor, Athens Centre of Ekistics

In hopes of contributing to the search for bio-cultural values for the next millennium, the Biopolitics International Organisation accepted the invitation by the Russian Academy of Sciences and the Russian Cultural Organisation GOSCO, to hold the International Sakharov Festival in Greece. It took place in Athens, July 28-31, 1994, with the theme *Biopolitics - the Bio-Environment - Bio-Culture in the Next Millennium*.

The honorary guest of the Festival was Elena Bonner, widow of the renowned Russian humanitarian, who established the Sakharov Foundation after his death to perpetuate his legacy and continue his work.

The International Sakharov Festival consisted of a Gala Concert and an Academic Programme (featured on p. 14-15 this issue) and promoted the concept of an "international bio-culture" where music, science, politics and the arts are all interrelated concepts in the struggle for a better quality of life.

The Gala Concert took place at the ancient theatre of Herod Atticus, at the foot of the Acropolis, with the participation of world famous soloists such as Cellist Mstislav Rostropovich, Soprano Hildegard Behrens, Violinist Leonidas Kavakos and Pianist Dimitris Sgouros. The soloists were accompanied by the Athens State Orchestra, conducted by Yuri Temirkanov.

The Academic Programme included a symposium where prominent international figures in the fields of politics, diplomacy, science and education contributed their viewpoints and insight on the importance of incorporating the principle of environmental protection in all aspects of human endeavour.

#### **The Sakharov Foundation**

Shortly after Andrei Sakharov's death in December 1989, Elena Bonner organised a "Public Commission for the Preservation of Andrei Sakharov's Legacy." This Public Commission has now been registered in Moscow as the "Public Commission for the Preservation of Andrei Sakharov's Legacy - Sakharov Foundation." It operates from premises on Moscow's Garden Ring and is currently negotiating the acquisition of additional space for a Sakharov Museum in Moscow. The U.S. Andrei Sakharov Foundation was incorporated in Delaware in August 1990.

Elena Bonner serves as a Chairman of both the Moscow Commission and the U.S. Foundation, insuring that their educational, scientific and humanitarian activities are co-ordinated and advance the goals of "Peace, Progress and Human Rights" as expounded in A. Sakharov's writings and exemplified by his life.

## Andrei Sakharov

F E S T I V A L



### Programme

#### I.

*R. Wagner (1813-1883)*

\*Overture Tannhauser

*R. Wagner (1813-1883)*

\*Liebestod aria from Tristan and Isolde

\*Immolation Scene from

Gotterdammerung

Soloist HILDEGARD BEHRENS *soprano*

#### II.

*Fr. Chopin (1810-1849)*

\*Adante spianato and Grande Polonaise

Brillante for piano and orchestra in E-flat

major, opus 22

Soloist DIMITRIS SGOUROS *piano*

#### III.

*C. Saint-Saens (1835-1921)*

\* Havanaise, opus 83

*P.I. Tchaikovsky (1840-1893)*

\*Waltz Scerzo

Soloist LEONIDAS KAVAKOS *violin*

#### IV.

*P.I. Tchaikovsky (1840-1893)*

\*Rococo Variations

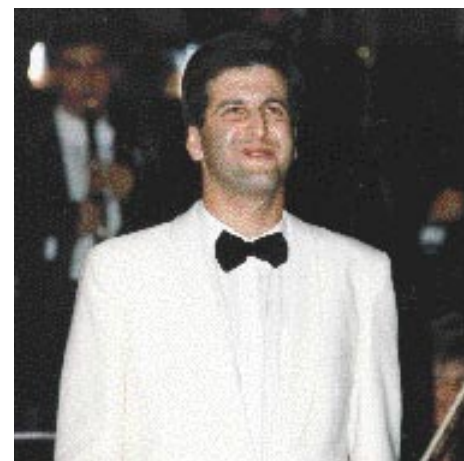
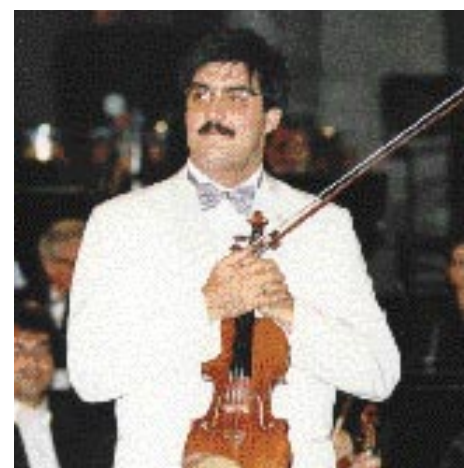
for violoncello and orchestra, opus 33

Soloist MSTITSLAV ROSTROPOVICH

*violoncello*

ATHENS STATE ORCHESTRA

under the baton of YURI TEMIRKANOV



### International Sakharov Festival Honorary Committee

**Honorary President:** Elena Bonner, Chairman Andrei Sakharov Foundation

**President:** Mstislav Rostropovitch, President International Sakharov Festival

**Vice-Presidents:** Dr. Agni Vlavianos-Arvanitis, President and Founder Biopolitics International Organisation  
Vladimir Panchenko, President Cultural Organisation GOSCO

**Musical Festival Coordinator:** Theodoros Kritas

**Members:** H.E the Ambassador of the Russian Federation Mr. Valery Nikolayenko

H.E Ambassador Panayotis Economou, B.I.O. Advisor on International Relations

Professor Leonid Goldin, Cultural Organisation GOSCO

H.E. Ambassador George Georgiou Director of Cultural Affairs, Ministry of Foreign Affairs

*The Festival is organised under the auspices of the Ministry of Foreign Affairs*



In January 1995, Biopolitics International Organisation founder and president, Dr. Agni Vlavianos-Arvanitis, was nominated for the **Nobel Peace Prize** by Nobel Laureate Professor Sergei I. Kolesnikov, Co-President of International Physicians for the Prevention of Nuclear War.

This nomination furthers the efforts towards protection of the bio-environment by bringing increased international attention to the progress being made by the B.I.O. Letters of support were sent from all parts of the globe from the desks of many decision-makers and policy designers. The comments and support offered by these key individuals serve to promote the goals set forward by the B.I.O. and to serve as the catalyst for opening the required new dimensions necessary for achieving the shift from anthropocentric thinking to biocentric thinking. It further lifts the spirits of those labouring with this task, giving fuel for the enormous energy required to guarantee that respect for the bio-environment is placed at the core of every human endeavour. The Nobel Peace Prize is an international honour which overcomes personal and national interests that create havoc in society, and reveals the essence of common bonds among all humans.

The appreciation and letters of support received from throughout the world are proof of the enormous impact the efforts of the B.I.O. is affording in all corners of the world. Below are some selections.

" In recognition of the outstanding accomplishments of Dr. Agni Vlavianos-Arvanitis, the President and Founder of the Biopolitics International Organisation, in uniting efforts of scientists of different profiles to protect bios as the most precious gift on our planet, Moscow State University supports her nomination for the 1995 Nobel Peace Prize. Her exceptional initiative and activity in this field made a great contribution to create a new biocentric system of values and priorities necessary for harmonic development of our civilisation in the next millennium. "

Professor **Victor A. Sadovnichii**,  
Rector, Moscow State University, **Russia**

" There is no question that total devotion to environmental causes such as you have shown is of the greatest importance for the future of all of us. It would be gratifying if efforts of this kind were to be recognised by this supreme distinction. "

Professor **Gustav Born**, Director  
The William Harvey Research Institute, **U.K.**

" The consistent, long and successful effort of Dr. Agni Vlavianos-Arvanitis has been to secure overall advance of international co-operation for the effective protection of the environment and associated initiatives for the steady improvements in education, health and living conditions... We wish to support her nomination as a candidate for the 1995 Nobel Peace Prize. "

**Xenophon Zolotas**, f. Prime Minister, Member, Academy of Athens and **Ioannis Pasmazoglou**, President, Academy of Athens, **Greece**

" I am pleased to know that the President and Founder of the Biopolitics International Organisation has been nominated for the Nobel Peace Prize. The International University for the Bio-Environment and the Environmental Olympics and Bios Prizes will be greatly encouraged by this nomination. "

Professor **Jiro Kondo**,  
Director General, Research Institute of Innovative Technology for the Earth, **Japan**

" (The Nobel nomination) is the right reward of appraisal for the great course to which you devote your whole life. This may also mean that our efforts for the protection of bios have been fully supported around the world... The world as a whole is now putting more efforts than ever before in opening the way towards environmentally sound development. I am confident that the development of the International University for the Bio-Environment and the implementation of the project of Environmental Olympics and Bios Prizes will bring much more fruitful results in the near future. "

**Liu Chunyu**, Director General  
National Environmental Protection Agency, **China**

" (The Nobel nomination) is truly a recognition of all of your efforts and also for the work of our Biopolitics International Organisation, including all of your friends, colleagues and supporters. Therefore, it is the Bio-Culture and Values that are being internationally celebrated. "

**Paulo C. Moura**, President  
Instituto de Estudos Politicos e Sociais, **Brazil**

# Nobel Peace Prize 1995 Nomination

" In my opinion, no other person in the Mediterranean region has made such a tremendous effort to conglomerate a unitarian thinking on our environment in the future... There can be no peace without a healthy environment and there can be no healthy environment without peace. "

Professor **Lev Fishelson**  
Tel Aviv University, **Israel**

" On behalf of the Indonesian National Commission for UNESCO, we extend our full support of the Nobel Peace Prize nomination. "

**W.P. Napitulu**, Executive Chairman  
Ministry of Education and Culture, **Indonesia**

" It gives me immense pleasure to learn of your nomination for the Nobel Peace Prize. I look forward to staying in touch with you and your work and wish you every further success. "

**John Hartland**, Counsellor  
Political Affairs Committee, Council of **Europe Parliamentary Assembly**

" I sincerely and warmly congratulate you for having been nominated for the Nobel Peace Prize. For sure, I believe and I am convinced that a committed and dynamic leader like you will make bio-environmental protection the primary societal goal and a reality in the 21st Century. "

**Ali Haribou**  
Food and Agriculture Organisation of the United Nation, **Ethiopia**

" I wish you every success with the Nobel Peace Prize nomination. Bio-environmental protection should be a major societal goal. "

**M.S. Swaminathan**,  
M.S. Swaminathan Research Foundation,

## India

" I would like to offer you my warmest congratulations on your nomination for the Nobel Peace Prize. Your life devoted to science and the protection of bios, your brilliant achievement as Founder and President of the Biopolitics International Organisation over many years and your personal qualities have set an example to the coming generations in the next millennium. "

**Dr. Vaclav Mejstrik**  
Institute of Landscape Ecology, Academy of Sciences, **Czech Republic**

" It has been a great privilege for us to be associated in recent years with the great work of B.I.O. and its eminent founder. Therefore it was no surprise for me to read that you have been nominated for the Nobel Peace Prize. I wish you every success with your nomination and I cannot think of a more deserving recipient. "

Professor **Terence Duffy**  
University of Ulster Magee College,  
**Northern Ireland**

" ... the Biopolitics International Organisation, which brings the importance of the biosphere to human existence, to the forefront of our value system, is a tremendous contribution towards true and lasting peace in the 21st Century. "

**Ngure Mwaniki**,  
Managing Director  
Agriconsult Ltd, **Kenya**

" It is with a big pleasure that we received the news of your nomination for the Nobel Peace Prize. We consider that (this) proposal is absolutely justified, taking into consideration your unfailing activity for the promotion of the biocentric system of values, by shifting from the anthropocentric one. Herewith we have the pleasure to congratulate you for this very important recognition of your international activity and to assure you of our total support in order to win this very important prize. "

**Dana Mihaela Coteanu** and  
**George Razvan Marcu**  
Ecosens, **Romania**

" Congratulations on your nomination for the Nobel Peace Prize. Your efforts to protect human rights and bios rights are finally being given due recognition. "

**Kazi F. Jalal**, Office of Environment  
and Social Development  
Asian Development Bank, Manila,  
**Philippines**

" With greatest appreciation of your work, please accept my very best regards, as well as a deep conviction that if you get the Nobel Peace Prize it will be the best choice ever. "

**Valentina Mileusnic-Vucic**, Co-ordinator  
of International Activities  
Ministry of Environmental Protection  
of the **Republic of Serbia**

" I would like to congratulate you for your nomination for the Nobel Peace Prize and wish you much success... Moreover, the Institute for Liberty and Democracy has an enormous interest in continuing to support the goals and ideals of the Biopolitics International Organisation. "

**Manuel Mayorga La Torre**,  
General Manager  
Instituto Libertad y Democracia,  
**Peru**

" We congratulate you for your well deserved nomination for the Nobel Peace Prize, and assure you of our readiness to co-operate with you in promoting bio-conscious culture 'as a vehicle for peace'. "

**Hisham Nashabe**, Secretary General  
National Commission for UNESCO,  
**Lebanon**

" I am delighted to learn of your nomination for the Nobel Peace Prize. It is indeed a great honour for which you richly deserve. Your dedication and commitment to the goals of B.I.O. is a great inspiration to all. "

Professor **Tham Seong Chee**,  
Department of Malay Studies  
National University of **Singapore**

" ... your efforts for human rights and bios rights will make a better quality of life for the next generation. "

Professor **Anna Szaniawska**  
Gdansk University, **Poland**

**Dr. Vitalij Denisov**, Director  
Environmental Studies,  
Klaipeda University, **Lithuania**

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- Professor *N. C. Markatos*, Rector, National Technical University of Athens - Professor *E. Marcoglou*, Political Sciences, Deree College - Dr. *C. Masmanidis*, General Manager, Dow Hellas S.A. - Professor *E. Mikroyannakis*, University of Athens, Philosophical School - Professor *A. Mousoulos*, Member, Academy of Athens - Professor *E.A. Moutsopoulos*, Member, Academy of Athens - Professor *C. Olympios*, Agricultural University of Athens - Dr. *A. Orolaga*, Biologist, Hygienic School of Athens - *M. Pagidas*, General Manager, S.C. Johnson & Son Hellas Ltd - *P.*

*Panettas*, Vice-President, Athens Chamber of Commerce and Industry - Professor *V. Papadias*, National Technical University - Professor *G. Papadopoulos*, University of Patras - Professor *G. Papaevangelou*, Medical Department, University of Athens - Professor *V. Papageorgiou*, President, Department of Chemical Engineering, Aristotle University of Thessaloniki - Professor *J. Papaioannou*, Athens Center of Ekistics - Professor *T. Papaioannou*, Department of Mathematics, Section of Probability, Statistics, University of Ioannina - *D. Papatathanasiou*, Public Relations Advisor, Ministry of Health - *J. Papatathanasiou*, President, Athens Chamber of Commerce and Industry - *G. Papandreou*, Minister of Education - *H.E. Elisavet Papazoi*, Deputy Minister for the Environment and Public Works - H.E. Mr. *K. Papoulas* Minister of Foreign Affairs - Dr. *A. Paraskevopoulos*, Environmental Consultant - Professor *I. Pasmazoglou*, President, Academy of Athens - Dr. *A. Politakis*, Founder of the Abdi Ipekci Peace and Friendship Prize - *P. Polychroniadis*, General Manager, PERAN - *P. Poulis*, President, Commercial Bank of Greece - Dr. *P. Psomopoulos*, President, Athens Center of Ekistics - *D. Randopoulos*, Managing Director, Zeneca Hellas S.A. - Professor *D. Roupakias*, Department of Agricultural Engineering, Aristotle University of Thessaloniki - Professor *K. Sakarellos*, Vice-Rector, University of Ioannina - *A. Samaras*, Architect - Professor *S.A. Sarantidis*, University of Piraeus - *Georgios E. Saridakis*, Former Euro-Parliamentarian - *N. Scoulas*, f. Minister of Tourism - Professor *M. Scoulas*, President, European Environmental Bureau - Professor *C. Sekeris*, Director, Biology Research, National Research Council - Professor *K. Sifniotis*, Department of Economics, Panton University of Athens - Professor *V. Sotiropoulos*, Laboratory of Process Device Building, Aristotle University of Thessaloniki - Professor *A. Stavropoulos*, President, Bioryl S.A. - Professor *M. Tiverios*, Department of History and Archaeology, Aristotle University of Thessaloniki - Professor *S. Troianos*, University of Athens - *C. Tsagarakis*, Plant Geneticist, Agricultural Development Specialist - Professor *I. Tsagaris*, University of Ioannina, Dept. of Chemistry - Professor *D. Tsalhis*, Department of Chemical Engineering, University of Patra - Professor *A. Tsakalidis*, Department of Hardware and Computers, University of Patra - Professor *I. Tsekouras*, University of Macedonia - Dr. *A. Tschrintzis*, Legal Advisor, Viorex, Bic S.A. - Dr. *C. Tsilyiannis*, Technical Manager, Waste Management Greece - Professor *A.G. Tzapanakis*, Member, Academy of Athens - *E. Valiantza*, Advisor to the Minister of Environment and Public Works - *M. Vardinoyiannis*, Industrialist - Dr. *G. Vayianos*, Lawyer and Priest - Professor *John Vergados*, Department of Theoretical Physics, University of Ioannina - Professor *C. Voudouris*, Department of Philosophy, University of Athens - Professor *C. Voulgaris*, University of Athens - Dr. *Richard Witt*, VP, Society of Greek Scientists - Dr. *C. Yapijafakis*, Molecular Biologist, University of Athens, Eginition, Department of Neurology

**Hungary:** Professor *G. Bora*, Vice-Rector, Budapest Economic University - Dr. *L. Kapolyi*, Member of the Academy - H.E. The Ambassador of Hungary *Mr. L. Kincses* - Dr. *G. Kollmann*, Advisor, Ministry of Health - Professor *M. Simai*, Member, Hungarian Academy of Sciences - Professor *S. Solymsos*, Architect, Philosopher, Hungarian Academy of Fine Arts

**India:** H.E. Ambassador *C.S. Dhody* - Dr. *K. Chowdhry*, Chairperson, Center for Science and Environment - Dr. *A. Gandhi*, Author - *A. Kumar*, Member, International Olympic Committee - Dr. *D. Ramamurthy*, Director, Marine Products Export Development Authority - H.E. Ambassador *A. Seth*, Embassy of India in Greece

**Indonesia:** Ambassador *I. Abidin* - Dr. *S. Budhisantoso*, Professorial Assistant, Ministry of the Environment

**Ireland:** Dr. *I. Khodaei*, Royal College of Surgeons

**Israel:** Professor *E. Apeh*, Seminary of

Judaic Studies, Jerusalem - Professor *L. Fishelson*, University of Tel Aviv - H.E. the Ambassador of Israel *Mr. M. Gilboa* - Dr. *J. Glass*, Ministry of the Environment - Professor *A. Golik*, Head, Marine Geology Department, Israel Oceanographic and Limnological Research Ltd. - Professor *B. Kimor*, Faculty of Agricultural Engineering, Israel Institute of Technology - Dr. *H. Klugman*, Director General, Ministry of Justice - Dr. *U. Marinov*, Director General, Ministry of the Environment - Dr. *A. Pruginin*, Deputy Director General, Ministry of the Environment - H.E.

Ambassador *D. Sasson* - Professor *D.W. Weiss*, Chairman, Hadassah Medical School - The Hebrew University of Jerusalem - Dr. *E. Yapou*, Secretary General, United Nations Association

**Italy:** *M. Gutierrez*, President, International Juridical Organization for Environment and Development, *Dr. A. Manos*, Co-ordinator, United Nations Environmental Program - *G. Oikonomoi*, Artist - *G. Zamberletti*, Rector, Centro di Sviluppo Dell'Area Mediterranea

**Japan:** H.E. the Ambassador of Japan *Mr. K. Kaneko*, - Dr. *G. Pauli*, Advisor to the Rector, UN University - *H. Yamazaki*, Vice President, Soka Gakkai International

**Kenya:** Dr. *E. W. Mwagiru*, Director, Ministry of Environment, *N. Mwaniki*, Managing Director, Agriconsult Ltd.

**Latvia:** *E. Uliniskis*, Member of Latvian Parliament - Dr. *N. Zemvaldis*, Latvian Physicians Association

**Lithuania:** Dr. *V. Denisov*, Computer Scientist, Klaipeda University Department of Computer Sciences - Professor *J. Minkevicius*, Lithuanian Academy of Sciences - Dr. *S. Olenin*, Marine Biologist, Klaipeda University - Center for System Analysis

**Malaysia:** Dr. *N. Sopiee*, Director General, Institute of Strategic International Studies

**Mali:** *Aminata Sall*, Secretary General, Mali UNESCO Commission

**Mexico:** H.E. the Ambassador of Mexico *Mr. H. Gutierrez Vega*

**Morocco:** H.E. the Ambassador of Morocco *Mr. A. Laabi*

**Netherlands:** *B.J.E. Ten Brink*, Tidal Waters Division - *F. Colijn*, Tidal Waters Division, Ministry of Environment and Public Works - *W. van Dieren*, Director, I.M.S.A., Emmastraat - Professor *D. Huisingh*, Erasmus Center of Environmental Studies - *A. Ten Houten*, Dutch National Advisory Council for Environmental Research - *K. Kummer*, Environmental Director, Rank Xerox Ltd - *W.L. Van Oyen*, Consultant, Ministry of the Environment - *J.H.A. Vinkeles Melchers*, former Head of Economic Section, Netherlands Consulate General in Hong Kong

**Nigeria:** *Tina N. Uwechue*, Legal Practitioner, UNA

**Papua New Guinea:** Dr. *C. Fode Lucency*, Engineer - Hydrotechnician Ministry of Natural Resources and Environment - *R. Parua*, Education Administrator, Education, Department, Boroko PNG

**Pakistan:** *A. Jan*, Inspector General of Forests Ministry of Food Agriculture and Livestock

**Peru:** Dr. *L. E. Ruelas Lierena*, Advocate, United Nations Association Institut for Green Areas - Dr. *P. Nicolas Ruelas Lierena*, Biologist, United Nations Association Institut for Green Areas - H.E. the Ambassador of Peru *Mr. E. de Habish*

**Philippines:** H.E. Ambassador *J. U. Fernandez* - Professor *M. Fortes*, Marine Science Institute, University of the Philippines - Dr. *G.G. Gatchalian*, Project Director, Eulogio "Amang" Rodriguez Institute of Science and Technology - Professor *F. So. Pada*, President, Technical University of Philippines - Professor *L. R. Senora*, Executive Secretary, United Nations Association Eulogio "Amang" Rodriguez Institute - Dr. *B. Tayabas*, President, University of Manila - *D. Pasia*, Executive Director, Philippine Aquatic and Marine Life Conservationists

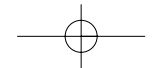
**Poland:** Dr. *E. Andrulowicz*, Institute of Meteorology and Water Management - *C. Baranowski*, International Class Afloat Foundation - Professor *T. Chmielewski*, Institute of Physical Planning and Municipal Economy - Professor *J. Dobrowolski*, Polish Academy of Sciences - *J. Ewert*, Faculty of Mathematics and Natural Sciences, Pedagogical University of Szupsk - *P. Graniewski*, General Secretary, United Nations Association - Professor *Z. Grzonka*, Rector, University of Gdansk - Dr. *J. Haber*, Vice-Chairman of the Board, UNA Poland, - *E. Kamienski*, Director, Center for Building, Biology and Environmental Energy Action, "BIOSKALA" - Professor *K. Korzeniewski*, Institute of Oceanography, Gdansk University - Professor *P. Krzyzanowski*, Ministry of

Environmental Protection and Natural Resources - Professor *K. Kuznicki*, President, Polish Academy of Sciences - *K. Kwasniewicz*, Institute of English Philosophy, Jagellonian University - *S. Radwan*, Zoology and Hydrobiology Department, Agricultural Academy in Lublin - Dr. *E.F. Skorkowski*, Physiology of Marine Animals, Gdansk University, Biological Station - Professor *A. Szaniawska*, Institute of Oceanography, Gdansk University - Department of Marine Biology

**Portugal:** *F.M.S. Lopes Figueira*, Director, Commission for Planning and Co-ordination for the Region of Alentejo - Dr. *L. de Souza*, Director, General of Environment Municipality of Lisboa - Professor *A.M. de Sousa Otto*, Director, Ministry of Industry and Commerce

**Romania:** Dr. *Mariana Constantinescu*, Biologist, Environmental Engineering Research Institute - *D. M. Coteanu*, Engineer, ECOSENS - Dr. *G. Ivancea*, Biologist, Ministry of Waters Forests and Environmental Protection - Dr. *P. E. Mihnea*, Romanian Institute for Marine Research - *A. Pana*, Economist, Department of European Integration - Dr. *D. Popescu*, Researcher, National Institute for Hydrology and Meteorology - Dr. *M. G. Razvan*, Research Student, ECOSENS - Dr. *E. Rus* Head of the Hydraulics Dept., Environmental Engineering Research Institute

**Russia:** Professor *O. Altakh*, Director of the International Department, Mendeleev University - *N. Avdeeva*, National Center for Human Sciences - Dr. *A. Belkovsky*, Member of the Academy - Dr. *V. Berezniysky*, Head of "Alexey Krylov" Scientific Expedition Professor President - Dr. *N. Blinov*, Social Ecology - Public Relations Academy of Creative Endeavours - *E. Bonner*, Honorary President of the International Sakharov Festival - *V. Boiko*, Chargé d'Affaires of the Russian Embassy - *L.P. Bueva*, Philosophy Department, Moscow State University - *Rabbi Y. Cunin*, Head Chasidic Community - *Mr. Diouritch*, Representative of the Russian Television - Dr. *V. Dovzenko*, Academy of Creative Endeavours - Dr. *A. Druzhinin*, Deputy Rector, Russian State Academy, Maimonides - Dr. *A. Egorov*, Head of Laboratory, Moscow State University - Professor *V. Fedorov*, Mendeleev University - Dr. *E. Filipova*, National Center for Human Studies - Professor *I. Frolov*, Member, Academy of Russia - *V. Gerasimov*, Member of the Supreme Soviet of the Russian Federation, Deputy Chairman, Committee for Health - *D. Goldin*, GOSCO - Professor *L. Goldin*, Academy of Sciences of Russia, Member, GOSCO - Dr. *B. Gontarev*, Rector, Academy of World Civilizations - Professor *N.R. Gradova*, Mendeleev University - *N.S. Grigorjeva*, Director of the Women's Research and Education Institute, International Women's Center - *V. Grishin*, Head of the Information Department of the President of Russia - Professor *M. Gusev*, Dean, Faculty of Biology, Moscow State University - Dr. *R. Iavtchounovskaia*, Philosopher, Academy of Creative Endeavours Social Ecology, National Relations - *Y. Karabassov*, Deputy Chief, State Committee of Science and Technology - Professor *S. Kolesnikov*, President, Eastern Siberia Branch, Russian Association of Medical Sciences - Professor *V. Krasilnikov*, Vice President, All-Union Economic Society - Professor *A. Kurbatov*, Member of the Presidium, Academy of Creative Endeavours - *N.B. Kuznetsova*, International Academy of Entrepreneurship - *I. Malyshko*, Academy of Creative Endeavours - *A. Makarov*, Cosmonaut - Professor *M. Manakov*, Member of the Academy, Mendeleev University Director of Biotechnology Center - Professor *I. Manuilova*, Founding Honorary President and Director General, International Association "Family and Health", Member of the Russian Academy of Medicine - Dr. *L. Masalkova*, Department of Human Sciences, Mendeleev University of Chemical Technology - Professor *T. Matveeva*, Director of the Department of International Relations of the International Women's Center - Dr. *M.K. Narayev*, Institute for Space Equipment - *P. Negnov*, National Center for Human Sciences - Ambassador *V. Nikolayenko* - *M. Oganov*, Chairman, Council of Benefactors International Physicians for the Prevention of Nuclear War - *A.V. Oleskin*, Research Scientist, Department of Biology, Moscow State University - Dr. *A. Ochitrova*, Vice-Chairperson of the Committee on International Affairs, The Fed. Assembly, The State Duma - *V. Panchenko*, President of the Artistic Organisation GOSCO - *V.M. Pashin*, Director, "A. Krylov" Central Scientific Research Institute - Dr. *M.V.*



*Provotorov*, Medical Institute of Russia - *S. Pumpianskaya*, Journalist, The New Times - *M. Rostropovitch*, President, International Sakharov Festival - Professor *A. Rubin*, Corresponding Member of Russian Academy of Science, M.S.U. Faculty of Biology - Professor *V. Samuilov*, Director, Center for Education in Biotechnology, Moscow State University - *V. Savinykh*, Pilot-Cosmonaut, Rector, Moscow Institute for Air Photography and Cartography - Professor *O.P. Schepin*, Director, Academy of Medicine - Dr. *O. Sheviakov*, Specialist, State Committee of Education - Professor

Technical University - Professor *G. Saglamer*, Faculty of Architecture, Istanbul Technical University - Professor *A. Samsunlu*, Istanbul Technical University - Professor *N. Serin*, Rector, University of Ankara - *I. Sezgin*, Minister of Interior - Professor *N. Sozen*, Mayor of Istanbul  
**Ukraine:** *V. Alekseyeva*, Head of the Association of Donors of Marrow - *V. Alekseyev*, Vice Chairman, Committee on Legislative Provision of Freedom of Speech and Mass Media, Supreme Rada - *Y. Andrejev*, President, Association of "Union of Chernobyl" - *E. Antoshyk*, Director,

*Davos*, Dean, School of Public Health, UCLA - *P. M. Ebinger*, Associate Dean and Director of the School of Foreign Service, Georgetown University - *J. M. Forbes*, Chairman, Walden Earthcare Network & Center for American Studies at Concord - *J. Horvath*, United Nations Association - *Carl L. Henn*, Senior Vice President, Concord Energy, Inc. - Professor *A.O. Klein*, Brandeis University - *S. Kussmann*, Chairman of the Board, Alliance for Environmental Education - *B. Landa*, Alphabet Company, New York - Dr. *P. Lobel*, Woods Hole Oceanographic Institute - *H. Livas*, Journalist - *F.T. Liu*,

**Cambodia:** *U. Phyrun*, Deputy General Director, Secretariat of State for Environment; *Chile M. Max-Neef*, Economist, Center for Development Alternatives  
**Colombia:** *E. Uribe Botero*, Agronomist, Department of National Planning - Dr. *Wendy Arenas Wightman*, National Institute for Renewable Natural Resources and Environment  
**Croatia:** *S. Dragojevic*, Culturologist, Institute for Development of International Relations  
**Cuba:** *H. Serrano Mendez*, Vice President, National Commission for the Protection of the Environment  
**Cyprus:** *M. A. Triantafyllides*, Attorney-General of the Republic  
**Czech Republic:** Dr. *D. Adamcova*, Head of the Secretariat Academy of Sciences, Council of International Cooperation  
**Ecuador:** Dr. *F. Chamorro Garces*, Permanent Secretariat, National Commission for UNESCO  
**Egypt:** Professor *S. Ashour Ahmed*, Department of Plant Protection, Faculty of Agriculture, Assiut University  
**Ethiopia:** Dr. *A. Haribou*, Ingenieur Agronome, Senior Project Analyst, UN Economic Commission for Africa  
**France:** *P. Piganiol*, former Member of the Government  
**Guyana:** *I. Chandarpal*, Minister of Labour  
**Hungary:** *E. Almasy*, Journalist - Dr. *L. Kapolyi*, Director, System International Foundation  
**India:** *A. Kumar*, Member, International Olympic Committee  
**Indonesia:** Professor *W.P. Napitupulu*, Executive Chairman, Indonesian National Commission for UNESCO  
**Iran:** Professor *H.S. Mehraban*, Psychology Department  
**Israel:** The Honourable *Y. Sarid*, Minister of the Environment - Dr. *Stefan Rokem*, Department of Applied Microbiology, The Hebrew University of Jerusalem  
**Italy:** Professor *E. Barbieri Masini*, Department of Social Prospective Studies, Gregorian University of Rome - Professor *A. Salam*, Director, International Centre for Theoretical Physics, Trieste - *C. Walter*, Director, Environmental Planning Department, Ministry of the Environment  
**Jordan:** Professor *T. S. Akasheh*, Director of Environment Sector, Higher Council for Science and Technology  
**Kenya:** *P.M. Aura*, Civil Servant, Kenya National Commission for UNESCO - *C.J. Chacha-Ogwe*, Civil Servant, Kenya National Commission for UNESCO - *W. Maathai*, Consultant, Environment GreenBelt Movement  
**Kuwait:** Professor *R. Halwagy*, Department of Botany and Microbiology, University of Kuwait  
**Latvia:** *D. Ivans*, Politician, Member of the Latvian National Commission for UNESCO  
**Lebanon:** Dr. *H. Nashabé*, Dean of Education and Secretary General, Lebanese National Commission for UNESCO  
**Lithuania:** Professor *L. Kairiukstis*, Member, Academy of Sciences, Lithuanian Forest Research Institute  
**Mauritius:** Dr. *M. Koenig*, Microbiologist, Friends of the Environment - *Y. Von Arim*, Marine Biologist, Friends of the Environment  
**Morocco:** H.E. The Ambassador of Morocco Mr. *A. Guessous*  
**Netherlands:** *W. van Dieren*, Director, I.M.S.A., Emmastraat, Dr. *R. Lubbers*, Former Prime Minister  
**Pakistan:** Professor *A. Qadir Ansari*, Research Scientist, Chairman PCSIR - Dr. *M. A. Bhatti*, Research Director, Pakistan Council of Research in Water Resources  
**Panama:** *E. L. Morice*, Sociologist, National UNESCO Commission  
**P.N. Guinea:** *R. Parka*, Science Officer, Department of Education, PSA HAUS  
**Peru:** Dr. *H. Nunez Borja*, President, United Nations Association - *P. Ruelas*, Biologist, United Nations Association  
**Philippines:** *P. C. Caleon*, Regional Executive Director, Department of Environment and Natural Resources - *M. E. Gonzalez*, Assistant Secretary for Management, Department of Environment and Natural Resources - Dr. *L. R. Quisumbing*, Secretary General, UNESCO National Commission, Department of Foreign Affairs  
**Poland:** Dr. *J.C. Chojnacki*, Department of Marine Ecology, University of Agriculture - Dr. *J. Pajeska*, Economist, Member, Polish Academy of Sciences  
**Romania:** *P. Aurel*, Economist, Department for European Integration - *M. Crivineau*, Economist, Department for European Integration - *M. Tudor*, Economist, Department for European Integration  
**Russia:** *Y. Korolev*, Institute for Legislation and Comparative Law - Professor *I. Parkhomenko*, Department of Biophysics, Faculty of Biology, Moscow State University - Professor *A. Shishkin*, Head of Laboratory, St. Petersburg Technological University

**Senegal:** *Cheikh I. Niang*, Institute for Environmental Sciences, University Cheikh Anta Diop - Professor *A. Sene*, Institute for Environmental Sciences, University Cheikh Anta Diop - Professor *O. Wane*, Institute for Environmental Sciences, University Cheikh Anta Diop  
**Seychelles:** *P. Pillay*, Principal Secretary, National UNESCO Commission, Ministry of Education  
**Spain:** *M. Lopez-Fuchet*, Head, International Relations Department, Corporation of Madrid  
**Sudan:** Professor *F. Tageldin Abushama*, Director, National Centre for Research - Dr. *M. Bashir Nimir*, Executive Director, Sudanese Environment Consultants Society  
**Tanzania:** The Honourable *A.S. Makinda*, Government  
**Thailand:** *R. Karim*, UN Civil Servant, Chief of Environmental Section, IHE Division  
**Turkey:** *G. Tuna*, Department of International Relations, Bilkent University  
**U.K.:** Professor *G.V.R. Born*, Medical Research Scientist, Director of the William Harvey Research Institute  
**U.S.A.:** *S. Buckles*, President, Economics America, National Council on Economic Education - Dr. *A. Cortese*, Executive Director - Dr. *B. Frank*, Director, Pollution Prevention Education Committee, U.S. Environmental Protection Agency - *J. M. Kelly*, Executive Director, Wildlife Habitat Enhancement Council - *J. Patalino*, President, Pocono Environmental Education Centre - Dr. *M. Simon*, President, MathPower, Mathematics Educator - Dr. *B. Smith*, Director for Environmental Education, U.S. Environmental Protection Agency - *E. J. Zero*, Program Administrator, BOCES III Outdoor Environmental Education Program  
**Yugoslavia:** Professor *I. Dujic*, Institute of Chemistry and Technology, Faculty of Chemistry

The following personalities have expressed interest in the B.I.O. Olympics campaign:

**Australia:** *P. Wensly*, Ambassador for the Environment, International Organisations and Legal Division - *D. Reeve*, Principal Consultant, Environmental Protection Authority  
**Austria:** Dr. *Zilk*, Mayor of Vienna  
**Barbados:** *H.L. Broomes*, Permanent Secretary Representative, Ministry of Labour and Environment  
**Bulgaria:** Professor *Z. Zakhariov*, President, Foundation Slavyani  
**Canada:** The Honourable *J. J. Charest*, Minister of the Environment  
**Chad:** Dr. *K. Alio*, Secretary General, Chad UNESCO Commission  
**Colombia:** Professor *M. Suarez Melo*, Rector, Colegio Mayor e Nuestra Señora  
**Cuba:** *T. Averbhoff*, Director General, United Nations Association  
**Finland:** *A. Kalela*, Special Advisor  
**France:** *A. Badran*, Assistant Director General for Science, UNESCO - *J.M. Chasseriaux*, Delegate of International Affairs, Ministry of Research and Space  
**India:** Dr. *K. Singh*, Member UNESCO, International Commission - Dr. *M.S. Swaminathan*, Chairman, M.S. Swaminathan Research Foundation  
**Indonesia:** Professor *A. Djamin*, Rector, University of Pancasila  
**Iran:** Dr. *A.M. Kassai*, University lecturer, Director, Office of Scholarships and International Affairs.  
**Japan:** Professor *K. Yoshida*, Department of Chemical Engineering, University of Tokyo - *C. Igaya*, Member, International Olympic Committee  
**Lithuania:** Dr. *E. Riepsas*, Lithuanian Forest Research Institute  
**Malawi:** *C. Majiga*, Programme Officer for Science, National Commission For UNESCO  
**Malaysia:** Dr. *N. Sopiee*, Director General, Institute of Strategic International Studies  
**Mali:** *A. Sall*, Secretary General, National Commissions for UNESCO  
**Mexico:** *V. Sologasta*, Director General of International Relations  
**Monaco:** *S.A.S. Prince Albert de Monaco*, Member, International Olympic Committee  
**Mozambique:** *A.E. de Santana Afonso*, Secretary General, National Commission for UNESCO  
**New Zealand:** The Honourable *W.R. Storey*, Minister for the Environment  
**Peru:** Dr. *Hernando de Soto*, Director, Instituto Libertad y Democracia  
**Portugal:** *L. Do Carmo Guerreiro*, Supervisor, Environment Education Bureau, Lisbon Municipality  
**Romania:** *C.M. Pandelas*, Assistant of International Relations, Faculty of International Relations  
**Switzerland:** Dr. *J.P. Dobbert*, Lawyer, Member of the Board, A.S.N.U.  
**U.K.:** Rabbi Dr. *N. Solomon*, Director, Centre for the Study of Jewish/Christian Relations  
**U.S.A.:** *K. Cameron Porter*, Co-Chairperson, WORLDWIDE Network.

# in the B.I.O.

*A. Shishkin*, Ecological Standardization, State Technological University for Plant Polymers - *A. Shlikov*, Dep. Chief of Section, State Committee of Science and Technology - Dr. *N. Shulenerina*, Philosophy Department, Lomonosov University, Moscow - *V. Souponitski*, General Director, Consortium EcoAqua - *Stepanov*, Representative of the Russian Television - Professor *O. Terentiev*, Rector, Technological University of Plant Polymers - Professor *S. Ushakov*, Lomonosov Moscow University, Earth Sciences Museum - Dr. *Y. Voronkov*, Head Department of Cosmonaut Selection - *M. Yankelevitch*, International Sakharov Foundation - Professor *V. Zinchenko*, National Center for Human Sciences

**Senegal:** The Honourable Minister of Environment and Protection of the Nature - Professor *A. Tidiane BA*, Director of Institute of Environmental Sciences, Faculty of Science, University of Dakar - The Honourable *M. Diop*, Mayor of Dakar - *M. Mbodj*, Director, Ministry of Rural Development - The Right Honourable *M. Kebe*, Minister for the Protection of Nature  
**Singapore:** *B. Koh*, Board of Directors, UNA Singapore - *P. Ng*, Board of Directors, UNA Singapore

**Slovak Republic:** Professor *J. Cuth*, President, Court of Arbitration Slovak Chamber for Commerce and Industry - Dr. *J. Morovic*, President, City University of Bratislava - *Rt.Hon. E. Alebuja*, Minister for Forests, Environment and Conservation - H.E. Ambassador *J. Valko*

**South Africa:** *D. Moss*, Urban and Regional Planner Landscape Architect

**Spain:** *M. Palacios Alonso M.P.*, Diputado for Asturias, Congreso de los Diputados - *F. T. Garcia*, Rector, University of Valladolid - H.E. Ambassador *J. Cuenca* - Professor *E. Peris Mora*, Director Oficina Verde Universita Politecnica de Valencia - *C.s Robles Piquer*, Member of Parliament - Professor *R. Tamares*, Member Club of Rome - Autonomous University of Madrid  
**Sri Lanka:** *K. Fernando*, Secretary General, United Nations Association - Dr. *H. Karunaratne*, Chairman of the Executive Committee, United Nations Association - Dr. *SLDR Rathugama*, Senior Lecturer, National Institute of Education

**Sudan:** H.E. The Ambassador of Sudan Mr. *T. Mohamed Abbas*, former Advisor, Ministry of Foreign Affairs - Professor *F. Tag. Abushama*, Director, National Centre for Research

**Switzerland:** *D.P. Aviolat* - Counsellor, Swiss Embassy in Athens - Dr. *P. Kalantzis*, Executive Vice-President, Alusuisse Lonza Holding Ltd. - Dr. *A. Michaels*, Chairman and C.E.O. Zuri-Invest AEG - *Maria Stella* de Sabata, International Division N-Viro International Corporation - Dr. *P. Stavroulakis*, Manager, NYNEX International

Thailand *R. Karim*, UN Civil Servant, Chief of Environmental Section, IHE Division - *K. Jalal*, Div. Chief of Industry, Human Settlements and Environment, ESCAP

**Turkey:** H.E. Ambassador *G. Aktan*, Permanent Representation of Turkey in Geneva - *D. Akyurek*, Minister of Environment - *A. Ates*, Minister of Tourism - Professor *A. Aydin* Director of Environmental Research Center, Marmara University - Dr. *B. Bayramoglu*, Bilkent University - His Eminence the Metropolitan of Ephesos *Mr. Chrisostomos* - *M. A. Demirer*, Industrialist - Professor *Z. Erturk*, Dean, Technical University of Karadeniz - Professor *V. Eroglu*, Technical University of Istanbul - Professor *Z. Erturk*, Head, Karadeniz Technical University Department of Architecture - Professor *H. Evliya*, University of Cukurova - Professor *C. Geray*, Director, Ernst Reuter Center for Urban Studies, Faculty of Political Sciences, Ankara University - *O. Karakullukcu*, Former Mayor of Trabzon, Mechanical Engineer and Industrialist - Professor *A. Kence*, Chairman, Dept. of Biology, Middle East Technical University - Professor *M. Kence*, Middle East Technical University, Department of Biology - *H. Kozackioğlu*, Governor of Istanbul - Professor *Y. Örs*, Union of Medical Ethics, Medical School, Ankara University - Professor *O. Saatcioglu*, President, Middle East

"EIDOO" Center - *N. Artouchovska*, Executive Director, Ukrainian Branch of the International Scientific Fund - *Y. Bougai*, Academician, Deputy Minister of Education, Supreme Rada - Professor *V. Brovdvly*, Dept. of Biology, Lecturer at the Kiev Pedagogical University - *D. Derkach*, Director of Public Relations, White's Consulting, London Ltd. - Professor *A. Drodzdovska*, Scientific Fellow, National Academy of Sciences - *T. Golovko*, Scientific Fellow, Institute of Cell Biology, National Academy of Sciences - *V. Grankin*, President, Non-State Pension Fund "OBERIG" - *D. Grodzinsky*, Academician, Chairman of the National Commission of Radiation Protection - *M. Kirillov*, Head of the State Administration, Khorkov Region, Kiev - *Y. Kostenko*, People's Deputy of the Ukraine, Supreme Rada - Professor *M. Kouryk*, Director, Institute of Ecology - *N. Malycheva*, President, National Cultural Center "Svitozir" - Professor - *M. Nann*, General Director, White's Consulting, London Ltd - Ambassador *B. Korneyenko* - Professor *V. Koudin*, President of Public Organisation "Prometei" - *O. Krishnal*, Corresponding Member of the National Academy of Sciences - *E. Kutova*, Chernobyl Nuclear Power Station - *V. Orlov*, President, Ukrainian Association of Creative Intellectual Games - Professor *S. Parashyn*, General Director, Chernobyl Nuclear Plant - *Z. Ovdly*, Head-Mistress, Sanatorium for Pre-School Chernobyl Accident Sufferers - *E. Paton*, Head, Institute of Microbiology and Genetics, National Academy of Sciences - *G. Philipchouck*, Chairman, Commission on Ecological Policy, Supreme Rada - *V. Ponedilko*, Chairman, Committee on Legislative Provision of Freedom of Speech and Mass Media, Supreme Rada - Professor *Ponomariov*, Academician, Director, Institute of Relay and Automation - *V. Roudakov*, President, Association of Advertising Enterprises of the Ukraine - *Z.K. Sharikova*, Senior Consultant, Committee on Legislative Provision and Freedom of Speech and Mass Media, Supreme Parliament of Ukraine - *R. Sitnir*, Academician, Institute of Botany, National Academy of Sciences - *P. Slinko*, Director of private medical firm "EMIR" - *E. Soloviov*, Writer - *V. Storizhko*, Chairman, Commission on Science and Public Education, Supreme Rada - *V. Sviato*, Deputy Chairman, Commission on Nuclear Policy, Supreme Rada - Professor *E. Tkach*, Chairman of the Organisational Committee of the Biopolitics Association of the Ukraine - *N. Tourchenko*, Scientific Fellow, Institute of Cybernetics, National Academy of Sciences - *O. Valetchik*, Chairman of the Ukrainian Charity Fund "Intellekt" - *V. Yatsenko*, Chairman, Commission on Chernobyl Catastrophe, Supreme Rada - *V. Zevitsky*, Scientific Fellow, Institute of Teacher Upgrading

**U.K.:** Professor *A.A. Brennan*, University of Stirling - *W. J. Cairns*, Chairman, W.J. Cairns and Partners - *N. Malet de Carteret*, Consultant, Global Cooperation for a Better World - Sir *B. Cartledge*, Principal, Linacre College, Oxford University - Dr. *D.J. Chivers*, University of Cambridge - Professor *T. Duffy*, Director, Peace Studies, University of Ulster - Professor *R. Harre*, University of Oxford - Dr. *T. Kemp*, Zoological University Museum, Oxford - Dr. *R. S. Kirby*, Mensa International - *R. Millard*, President, International N-Viro - Rabbi Dr. *N. Solomon* - *D. Watts*, Dean, School of Earth Resources, Hull University

**U.S.A.:** Professor *N. Ashford*, Technology and Policy, M.I.T. - Dr. *M. Alpert*, Click Technologies Inc - Dr. *J.S. Bailey*, President, the American College of Greece - *T. P. Benjamin*, Alliance for Environmental Education - *J. O. Blum*, President, Polysocyanurate Insulation Manufacturers' Association - *S. Buckles*, President, National Council on Economic Education - Professor *J. Carroll*, Department of Forest Resources, University of New Hampshire - Professor *S. Chorover*, Massachusetts Institute of Technology - *J.P. Clones*, Environment Specialist, The World Bank - *A. Contomichalos*, VP, Special Assets Management, CrEdit Agricole - Dr. *A. Cortese*, Executive Director, Strategic Environmental Consulting - Professor *C.A.*

**Green Committee:** Dr. *A. Vlavianos-Arvanitis*, *M. Vardinoyannis*; *P. Grafakos*, *A. Lagarias*; *A. Evmolpidis*, *A. Galanis*, Ambassador *P. Economou*, Advisor on International and Public Relations  
**U.S.A. Foundation:** President: Dr. *A. Vlavianos Arvanitis*; Board Members: *His Grace Bishop Methodios*, *R. Shaw*, Professor *G. Pontecorvo*, Dean *P. Krogh*, Professor *N. Ashford*, Professor *E. Gyltopoulos*, *K. Pappas*, *A. Arvanitis*, *P. Kourides*.

Secretary General of UNA - *J. M. McCloskey*, Chairman, Sierra Club - *V. Martin*, President, International Wilderness Leadership Foundation - *J. McKenzie*, Director, Environment, Health and Safety, Xerox Corporation - His Grace *Bishop Methodios* of Boston, Greek Orthodox Archdiocese of North and South America - Professor *T.J. Mills*, Director, Center for Environmental Education, Oklahoma State University - *J.P. Muldoon*, Jr., United Nations Association - *J. P. Nicholson*, Chairman and CEO, N-Viro International Corporation - Professor *M. Oelschlaeger*, Department of Philosophy and Religion Studies, University of North Texas - *D. Oodit*, Senior Economic Affairs Officer, United Nations - Professor M.D. Papagiannis, Boston University - Dr. *J. Psarouthakis*, Chairman of the Board and President, JP Industries S.A. - Dr. *D. Shapiro*, Media Specialist - *R. Shaw*, Healy and Baillie, New York - H.E. Metropolitan of New Jersey Mr. *Silas*, Greek Orthodox Archdiocese of North and South America - Bryan Thomlison, Director of Public Affairs and Environmental Management, Church & Dwight Co., Inc. - Dr. *B. Smith*, Director, Environmental Education Division, U.S. Environmental Protection Agency - Dr. *D.R. Weinberg*, President, American-Hellenic Alliance - *U. Wright*, Vice President and Director, Environment Health and Safety, ITT Corporation - Dr. *J. Xanthopoulos*, Director, Center for International Affairs, Lynn University - Professor *C. Yapijakis*, Cooper Union School of Engineering

**Vatican City:** H.E. *L. Storero*, Apostolic Nuncio

**Venezuela:** H.E. the Ambassador of Venezuela Mrs. *O.L. Carmona*

**Yugoslavia:** The Honourable Dr. *J. Aleksic*, Minister for Environmental Protection of the Government of the Republic of Serbia - Dr. *G. Brun*, Adviser to the Minister of Environmental Protection - Professor *A. Despic*, President, Serbian Academy of Sciences and Arts - *I. Dujic*, Institute of Chemistry and Technology - *D. Kanazir*, Former President, Serbian Academy of Sciences and Arts - Professor *M. Gasic*, Faculty of Sciences, University of Belgrade - Professor *A. Miletic*, University of Belgrade - Professor *G. Milovanovic*, Dean, Faculty of Chemistry, University of Belgrade - Professor *V. Pavlovic*, Faculty of Political Sciences, University of Belgrade - Professor *S. Unkovic*, Vice President of the Government of the Republic of Serbia

## B.I.O.

### ENVIRONMENTAL OLYMPICS CAMPAIGN

**Albania:** *V. Agoras*, Actor, Director, National Theater of Agjoi Saranta - *A. Angjeli*, Economist, Member of Parliament - *A. Imami*, Member of Parliament, General Secretary, Democratic Alliance Party - *A. Nesho*, Director, Albanian Foundation for European Affairs - *L. Selfo*, Chairman, Committee of Environmental Protection and Preservation

**Argentina:** *A. van Dam*, Remedios de Escalada

**Australia:** Dr. *K. Suter*, Writer, University of Sydney

**Belgium:** *G. Strongylis*, Astrophysicist, Commission of the European Communities, DG XI, Belgium

**Botswana:** The Honorable *P.H.K. Kedikilwe*, Minister of Commerce and Industry - *P.V. Sephuma*, Deputy Permanent Secretary, Chairman of the UNESCO National Commission

**Brazil:** Dr. *P. C. Moura*, Psychologist, President of the Institute for Political and Social Studies

# B.I.O. Symposia - Bio-Diplomacy

International co-operation for the preservation of the bio-environment

## Czech Symposium

BIOPOLITICS - THE BIO-ENVIRONMENT - BIO-CULTURE IN THE NEXT MILLENNIUM

Proceedings from a Hellenic-Czech Cultural Symposium, organised by the Biopolitics International Organisation, Athens Chamber of Commerce and Industry, April 1995

- Opening Session  
H.E. *Ambassador George Georgiou*, Director of Cultural Affairs, Ministry of Foreign Affairs, Greece  
H.E. *Professor Jiri Marvan*, Ambassador of the Czech Republic to Greece  
H.E. *Ambassador Panayotis Economou*, International and Public Relations Advisor, Biopolitics International Organisation  
*Panos Panettas*, Vice-President, Athens Chamber of Commerce and Industry
- Biopolitics - The Bio-Environment - Bio-Culture in the Next Millennium  
*Dr. Agni Vlavianos-Arvanitis*, President and Founder, Biopolitics International Organisation
- Science, Ecology and Society. Interactions, Risks and Prospects  
*Dr. Rudolf Zahradnik*, President,

- Czech Academy of Sciences
- Economic Development and the Environment in the Czech Republic  
*Dr. Jaroslav Stoklasa*, Environmental Advisor, Czech Academy of Sciences
  - Academic Research in the Transition Economy of the Czech Republic  
*Professor Vaclav Mejstrik*, Director, Institute of Landscape Ecology, Czech Academy of Sciences
  - The Wealth of Protected Areas in the Czech Republic  
*Dr. Jan Cerovsky*, President, ECO-POINT Foundation, Senior Scientist, Czech IUCN
  - Environmental Policy and Public Participation  
*Dr. Bedrich Moldan*, f. Minister of Environment, Centre for Environment, Charles University
  - The Bio-Environment and Decision-Making  
*Dr. Ivan Rynda*, f. Chairman, Environmental Committee of the Federal Assembly
  - Searching for Human Values Compatible with Sustainable Ways of Living  
*Dr. Josef Vavrousek* (1944-1995), Chairman, Society for Sustainable Living

## French Symposium

Proceedings from a Hellenic-French Symposium organised by H.E. the Ambassador of France, The Science Office of the French Embassy and the Biopolitics International Organisation, French Institute, Athens, October 1987.

- Official Opening  
H.E. *Ambassador Francois Marcel Plaisant*, Embassy of France, Athens
- Dimensions of Biopolitics  
*Dr. Agni Vlavianos-Arvanitis*, President and Founder, Biopolitics International Organisation
- Ethical and Social Dimensions of Biotechnology  
*Dr. Guy Sergheraert*, Adj. Director General, Centre de Valorisation des

- Glucides et Produits Naturels
- Agricultural Production and Bios in the Next Century  
*Pierre Feillet*, I.N.R.A. Director of Research
  - New Technologies: Perspectives of Equilibrium of Bios in Arid Tropical Zones  
*Georges Martin*, Agronomist, Consultant on International Co-operation for Agriculture
  - Bios - Instruments and Surveillance of Planet Earth  
*Professor Hubert Curien*, Minister of Research and Technology, President of the Defense Scientific Council, President of the European Space Research Council



## Hellenic-Russian I

BIO-ENVIRONMENTAL MONITORING OF THE OCEANS

A Hellenic-Soviet event organised by the Soviet Embassy in Athens and the Biopolitics International Organisation in honor of the Head of Expedition, Dr. Vladimir Berezniatsky the Scientific Team of the Academician Alexey Krylov' Research Boat the General Director of the EcoAqua Consortium, Dr. Vladislav Souponitsky and the Soviet Cosmonaut Makarov, April 1991

## Hellenic-Russian II

THE BIO-ENVIRONMENT AND INTERNATIONAL CO-OPERATION

Integrated Systems for Ecological Monitoring A Hellenic-Soviet Symposium organised by His Excellency the Ambassador of the Soviet Union Mr. Anatoly A. Slusar and the Biopolitics International Organisation Athens, May 1991

### Opening address

- V. E. Snelnikov, Captain Tasks and Programme of the Expedition
- Dr. Vladimir Berezniatsky, Head of Expedition  
*The World Oceans Ecological Monitoring Project*
- Dr. Vladislav Souponitsky, General Director of the "EcoAqua" Consortium
- V. M. Pashin Director, "Academician A. N. Krylov" Central Scientific Research Institute
- Viktor Saviniyh Pilot-Cosmonaut, Rector, Moscow Institute for Air

### Photography and Cartography

- Dr. M. K. Narayev Representative, Institute for Space Equipment
- Professor Viktor Krasilnikov First Vice-President, All-Union Economic Society
- *Biopolitics - The Bio-Environment*
- Dr. Agni Vlavianos Arvanitis President, Biopolitics International Organisation
- Professor Vitalii Samuilov Director, Centre for Education in Biotechnology
- Professor Michail Gusev Dean, Biology Department Moscow State University

## Hellenic-Russian III

THE BIO-ENVIRONMENT AND INTERNATIONAL CO-OPERATION

Proceedings from a Hellenic-Russian Symposium organised by the Biopolitics International Organisation, Athens, December 1991

- Opening Address  
H.E. *Ambassador Panayotis Economou* General Secretary, Ministry of Foreign Affairs
- Greeting of Symposium Participants  
*Valerij Grishin*, Head of the Information Department of the President of Russia
- Welcoming Address  
*Nikos Anagnostopoulos*, Secretary General of Adult Education  
*Victor A. Boiko*, Chargé d' Affaires of the Russian Embassy  
*Dr. John Bailey*, President, American College of Greece

## Russian Symposia

- *Dr. Nikos Katsaros*, Senior Research Scientist, National Centre of Physical Research "Demokritos"
- The Bio-Environment and International Co-operation  
*Dr. Agni Vlavianos-Arvanitis*, President, Founder of the B.I.O.
- The Social and Cultural Impact of the Environment on Women  
*Dr. Alexandra Momdjan*, Vice-President of the Academy of Creative Endeavours, President of the International Women Centre

- The Impact of the Environment on the Health of Future Generations  
*Professor Sergei I. Kolesnikov*, President of the East Siberian Section of the Medical Academy of USSR
- Women's Health and the Environment  
*Professor Irina Manuilova*, Cor. Member of the Medical Academy of Russia, Director of the IWC Family Planning Clinic
- Personality Disorders Due to Environmental Degradation  
*Professor Ludmila P. Bueva*, Member of the Academy of Creative Endeavour, Member of the Board of the I.W.C.
- New Thinking and the Changing Role of Women in Public Organisations  
*Tatjana D. Matveeva*, Candidate of Historical Sciences Secretary of the I.W.C.
- Social Planning and Women's

Problems

*Natalia S. Grigorjeva*, Director, I.W.C. Science - Research Institute

- Youth and the Bio-Environment Needed Reforms in Education Discussion Coordinator:  
*Dr. Agni Vlavianos-Arvanitis*, President and Founder, Biopolitics International Organisation
- Participants: *Eleni Daifa-Frantzeskaki*, President, Athenian Women's Organisation  
*Lala Nicoli*, Head of Department of the Greek Soroptimist Society  
*Efi Petrea*, President of the Greek



- Soroptimist Society  
*Alexander Oleskin*, Research Scientist, Department of Biology, Moscow State University  
*Christos Efthimiopoulos*, Student, Member of the B.I.O.
- Tony Bosnackoudis*, Journalist and Author, Junior's Chamber  
*Tasos Demetropoulos*, Head of Department, Junior's Chamber  
*Manuella Kantzia*, Student, Athens College  
*Maria Maroulidou*, Student, Athens College

## Turkish Symposium

THE BIO-ENVIRONMENT AND INTERNATIONAL CO-OPERATION

Proceedings from a Hellenic-Turkish Symposium organised by His Excellency the Ambassador of Turkey, Mr. Guntuz Aktan and the Biopolitics International Organisation held at the City Hall of Athens, May 1990

- Welcoming Ceremony - Medal of the City of Athens
- The Honorable *Mayor of Athens, Mr. Nicolaos Yatrakos*
- Opening Address
- His Eminence The *Metropolitan of Chalcedon, Mr. Vartholomeos*
- The International University for the Bio-Environment
- Dr. Agni Vlavianos-Arvanitis*, President, Biopolitics International Organisation
- Bio-Diplomacy and the Bio-Environment
- H.E. the *Ambassador of Turkey, Mr. Guntuz Aktan*
- Bios and Developing

Economies  
The Honorable *Former Mayor of Trabzon, Mr. Orhan Karakullukcu*

- Bios and Business
- Mrs. Kitty Kyriacopoulos*, Chairman of the Board, Bauxites Parnasse Mining Company S.A.
- Environment and Economy
- Mr. Theodore Demopoulos*, Governor of the Agricultural Bank of Greece
- The Golden Horn Project

*Professor Ahmet Samsunlu*, Technical University of Istanbul

- Livable Cities
- Professor Zafer Erturk*, Dean, Karadeniz Technical University
- Bios and Education
- Professor Necdet Serin*, Rector, University of Ankara
- Closing Remarks
- Professor Rusen Keles*, Director, Centre of Urban Studies, University of Ankara



## Israeli Symposium

THE BIO-ENVIRONMENT IN A META-INDUSTRIAL SOCIETY

A Hellenic-Israeli Day  
Lecture by *Mr. Stef. Wertheimer*  
Founder-President of ISCAR Ltd., Israel  
held at the Pentelikon Hotel, Athens,  
January 1990



## British Symposium

Proceedings from a Hellenic-British Symposium sponsored by the British Council and the Biopolitics International Organisation Athens, May 1988

- Introduction
- Dr. Agni Vlavianos-Arvanitis*, President and Founder, Biopolitics International Organisation
- Bios in the Next Millennium
- The *Right Honorable Lord Ennals*, Member House of Lords, Former Cabinet Minister, United Kingdom



## Indian Symposium

POPULATION GROWTH, FOOD SECURITY AND EQUITY

Proceedings from a Hellenic-Indian Symposium organised by the Biopolitics International Organisation, Athens, April 1993

- Welcoming Address
- H.E. *Ambassador Panayotis Economou*, International and Public Relations Advisor, Biopolitics International Organisation
- H.E. *Ambassador Aftab Seth*, Ambassador of India to Greece
- Biopolitics, the Bio-Environment, a Needed Value System for the Future



*Dr. Agni Vlavianos-Arvanitis*, President and Founder, Biopolitics International Organisation

- Population Growth, Food Security and Equity
- Dr. Kamla Chodhry*, f. Chairperson, National Wastelands Development Board of India

## Biopolitics - The Bio-Environment Education in the Year 2000

Adana, Turkey, May 17-20, 1995



### Opening Ceremony

Professor *Hunay Evliya*, Director, Centre for Environmental Research, Cukurova University

*Dr. Agni Vlavianos-Arvanitis*, President and Founder, Biopolitics International Organisation

Professor *Rusen Keles*, Director of Environmental Studies, Faculty of Political Science, Ankara University

Professor *Yusuf Unlu*, Deputy Rector, Cukurova University

Mr. *Aytac Durak*, The Honourable Mayor of Adana

Mr. *Naci Parmaksiz*, The Honourable Governor of Adana

Mr. *Taskin Tuna*, Ministry of Environment

### Academic Session I

Professor *Halet Cambel*, Archaeologist, Karatepe-Aslantaw Museum

H.E. Ambassador *Kai Flakman*, General Consul of Sweden in Istanbul

Professor *Andrei Rubin*, Academician, Head, Department of Biophysics, Moscow State University

Professor *Michael Manakov*, Academician, Director, Biotechnology Centre, Mendeleyev University, Moscow

Professor *Gyula Bora*, Vice-Rector, Budapest University

Professor *J.W. Dobrowolski*, Polish Academy of Sciences



### Academic Session II

Professor *Nur Sozen*, Head, Department of Landscape Architecture, Ankara University

Professor *Rusen Keles* and Ms *Nilgun Gurer*, Faculty of Political Sciences, Ankara University

Professor *Cevat Geray* and Mr. *Mehmet Tuncer*, Faculty of Architecture and Engineering, University of Ankara

Professor *Yaman Ors*, Unit of Medical Ethics, Medical School of Ankara

Dr. *Fred Ernst*, Department of Soil Science, Cukurova University

Professor *Berna Alpagut*, Director, Institute for Social Sciences, Ankara University

Professor *Meral Kence*, Middle East Technical University

Professor *Erdogan Gultekin*, Cukurova University

### Biopolitics - The Bio-Environment - Biocentric Values for the Next Millennium - Round Table Discussion

*Dr. Agni Vlavianos-Arvanitis*, President and Founder, Biopolitics International Organisation

Mr. *Orhan Karakullukcu*, Industrialist, Former Mayor of Trabzon

Mr. *Nicholas Lykos*, Industrialist

Professor *Mahir Fusunoglu*, Cukurova University

**The following chronicle shows highlights from eleven years of B.I.O. achievement. For a detailed account, please refer to the Progress section in any of the B.I.O. publications featured on the opposite page.**

## 1985

- First presentation of Biopolitics - Dimensions of Biology Euro-Philosophical Society Meeting, Athens
- Articles in leading newspapers and journals, lectures at professional and cultural institutions, numerous letters of support from around the world.
- Copyright of the terms Biopolitics, bio-peace, bio-assessment, bio-economics, bio-environment, bio-art, bio-legislation, bio-diplomacy and Bank of Ideas

## 1986

- Presentation on Biopolitics at the United States Capitol during the National Prayer Breakfast
- Legal incorporation of The Biopolitics International Organisation (B.I.O.)
- Presentations at the United Nations Associations Meeting in Berlin. Biopolitics as a method for international co-operation was recommended by the chairman of U.N. Associations and sent to 150 nations
- Feature Biopolitics article published in the Greek UNA Bulletin.
- Presentation of Biopolitics at the annual meeting of the United Nations Association, Denmark.

## 1987

- Lecture on Biopolitics at the United Nations Association Youth Forum
- First B.I.O. International Conference on Biopolitics and International Co-operation.
- Initiation for the establishment of B.I.O. branches in 30 nations
- Presentation on Biopolitics and International Co-operation at the World Federation of United Nations Associations, Canada
- Resolution to introduce Biopolitics - the Bio-Environment in the activities of United Nations Associations, world-wide.
- Resolutions to include Biopolitics in the WFUNA Regional Conferences and Plenary Assembly agenda.
- Symposium on Bios in the Next Millennium cosponsored

by the French Embassy in Athens.

- Lectures and presentations in Belgium, Paris and Switzerland
- American Biographical Institute Gold Medal of Honour for Outstanding Achievement and Dedication to Personal and Professional Goals, presented to Dr. A. Vlavianos-Arvanitis, B.I.O. Founder and President

## 1988

- Lecture and press conference on Dimensions of Biopolitics at the Union of Journalists and Periodical Owners, Athens, following which, numerous articles appeared in newspapers and magazines.
- President elected Honorary President of the United Nations Association of Sri Lanka.
- Biopolitics lecture by the Right Honourable Lord David Ennals, B.I.O. Trustee, cosponsored by the British Council of Athens
- First "Bios Day" in honour of the Right Honourable Lord David Ennals
- Biopolitics Nonprofit Foundation established in the USA
- Biopolitics as a course or concentration major becomes included in universities and Schools in Europe and the USA
- Lecture and discussion on Biopolitics presented to Members of Parliament, Council of Europe Meeting, Greece.
- Lectures and presentations in GDR, Poland, UK, Belgium and Israel
- Radio interviews broadcast in Europe, Africa, North and South America, and Australia.
- Second International Conference on Bios in the Next Millennium, Athens
- Official invitation and visit to Israel. Presentation of B.I.O. to the Board of United Nations Association
- Oxford University proposes co-operation with B.I.O. for the establishment of a Biopolitics Major
- Cambridge University proposes B.I.O. participation in the Barito Ulu project

## 1989

- Presentation of Biopolitics goals, The Capitol, Washington, DC
- Biopolitics at the Summit meeting of international patrons of Global Co-operation for a Better World, Mt. Abu, India
- Texas Parks and Wildlife Department official proposal for a joint project with B.I.O. for the preservation of endangered species

- Kenya and Ghana proposals for co-operation with B.I.O.
- Second Bios Day, in honour of H.E. the Ambassador of Japan, Mr. Kazuo Kaneko
- Third B.I.O. International Conference on Biopolitics - Curriculum Reforms. The Bio-Syllabus, resulting from Conference, was sent to universities throughout the world
- Second "Bios Day" in honour of Japanese Ambassador Mr. Kazuo Kaneko
- Session on Biopolitics at the Poland International Conference on the Environment
- Biopolitics Conference organised in Trabzon, Turkey
- Lectures and presentations in Boston, New York, Athens, Salonica, Trabzon and Istanbul
- Wide press coverage and B.I.O. material included in official publications, UNA Bulletins (Sri Lanka) university curricula (Ireland, Philippines)

## 1990

- Launching of the International University for the Bio-Environment (I.U.B.E.) with the participation of leading representatives from 80 countries
- Hellenic-Israeli Symposium with leading industrialist Mr. Stef Wertheimer as keynote speaker
- Hellenic-Turkish Symposium on The Bio-Environment and International Co-operation
- Third "Bios Day" celebration
- The Walden Earthcare Network requests official co-operation with B.I.O. on projects related to youth and the bio-environment
- Lectures in Greece, USA, Denmark and Japan
- The University of Ankara introduces Biopolitics in the Graduate School of Political Sciences curriculum.
- Seminar on Biopolitics at Columbia University, New York
- Fourth B.I.O. International Conference on the International University for the Bio-Environment
- First Hellenic-Soviet Symposium, in co-operation with the Soviet Embassy in Athens

## 1991

- Publication and international distribution of the resolutions of the Fourth B.I.O. International Conference
- The President of B.I.O. elected Member of the Board of the Alliance for Environmental Education, USA
- Second Hellenic-Soviet Symposium on Biopolitics - the

- Bio-Environment and International Co-operation with the participation of soviet cosmonauts and leading scientists
- Fourth "Bios Day," a country lunch in honour of the participants of the Hellenic-Soviet Symposium
- Meeting with President Bush at the White House, Washington DC
- Meeting with the Head of the Office of President Yeltsin, White House of Russia
- Moscow State University suggests incorporating Biopolitics as an umbrella concept for all educational programs
- The International University for the Bio-Environment is introduced to the Council of Europe in Luxembourg
- Lectures in Greece, Russia and the Philippines
- Proposals for co-operation and exchange of scholars programmes from Russian and Polish universities
- Proposal for introducing Biopolitics into Russian legislation
- Third Hellenic-Soviet Symposium on Biopolitics and International Co-operation

## 1992

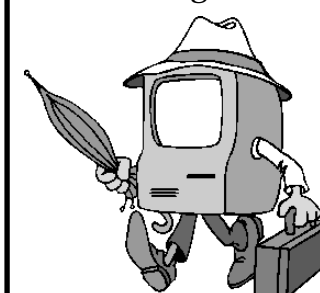
- Introduction of Biopolitics - The Bio-Environment - Vol. III as a textbook in universities around the world.
- Meeting with Senator Al Gore at the United States Senate
- Lecture, International Congress for the 500 years of the discovery of America, Venezuela
- Fifth B.I.O. International Conference, Istanbul, Turkey.
- Weekly television series on Biopolitics - The Bio-Environment
- The President and Founder elected Honorary President for Life, along with Mikhail Gorbachev, Maurice Strong and Nelson Mandela, for outstanding contribution to international understanding and friendship, by the United Nations Association of Sri Lanka
- Guest of honour at the International Symposium on Functioning of Coastal Ecosystems, Institute of Oceanography, Gdansk University, Poland
- International campaign for the award of Bios Prizes during the Olympic Games
- Lectures, Serbian Academy of Sciences and Arts, Belgrade University, Russian Academy of Sciences, Orthodox Archdiocese of Switzerland
- First Conference on Business Strategy for the Bio-Environment, Athens.

## 1993

- Official proposal submitted by the Alliance for Environmental Education for the international expansion of the Alliance in 56 countries through the B.I.O. headquarters in Athens
- Official agreement to promote Biopolitics - The Bio-Environment - Bio-Syllabus in the network of U.S. universities of the Alliance
- Biopolitics - The Bio-Environment - Bio-Syllabus introduced as a textbook in universities worldwide
- Lecture at the Plenary Session, Alliance for Environmental Education Conference, Virginia, U.S.A.
- Biopolitics is introduced to the Club of Rome Plenary Assembly in Hannover
- Lecture, ALPINE Centre for Hotel and Tourism Management
- Hellenic-Indian Symposium, under the auspices of the Indian Embassy, with Dr. Kamla Chowdhry as guest of honour and keynote speaker
- The Bio-Syllabus is translated in Russian and Greek
- Lectures and presentations during several cultural and environmental events in Greece
- Over 80 weekly B.I.O. television programs. Wide media coverage of B.I.O. activities
- Proposal for the implementation of Cleaner Production, in co-operation with major Greek businesses, submitted to the European Union

## Bank of Ideas

The B.I.O. Bank of Ideas project is still in progress and contributions are coming in from all over the world. Please send your ideas on any issue pertaining to the bio-environment, on an audio or video tape, and we will include them in the project. All contributions will be made available on the Internet and reach every corner of the globe.



• B.I.O. President, Dr. Agni Vlavianos-Arvanitis, and distinguished B.I.O. Trustee, Professor Rusen Keles, are honoured with the first communication Abdi Ipekci Prize of Peace and Friendship

• Proposal by the President of UNESCO for co-operation in common projects

• Second Conference on Business Strategy for the Bio-Environment, Athens

## 1994

• Session on Biopolitics - The Bios Theory, Hellenic Union of Biologists Symposium Series of lectures in Russia and the U.S.A.

• Keynote address at the Conference on Theological Education and the Environment, under the auspices of the Ecumenical Patriarchate, Chalki

• Articles on Biopolitics - the Bio-Environment in Rotary Club publications

• President receives the honorary distinction "1994 Woman of the Year" Award from the American Biographical Institute

• Wide press coverage of B.I.O. activities. Radio and Television reports

• Hellenic-Italian Symposium on Waste Management with the participation of business leaders from both countries and representatives from Lombardia Risorse, the leading Italian waste management enterprise

• International Sakharov Festival on Biopolitics - The Bio-Environment - Bio-Culture in the next Millennium with the participation of Mstislav Rostropovitch as President

• Russian Satellite TV broadcast of the International Sakharov Festival

• Keynote address at the First Polish Congress on Universalism

• Closing address, International Conference on Environment and Quality of Life in Central Europe, under the auspices of the President of the Czech Republic, V. Havel

• Keynote address at the Fourth International Symposium on World Energy Systems Development of Intercontinental Power Systems, Hungary

• Ten-day Seminar on Biopolitics at the State Technological University of St. Petersburg, Russia

• Keynote address at the International NATO Symposium, Athens

## 1995

• The President and Founder of the Biopolitics International Organisation, Dr. Agni Vlavianos-Arvanitis, is nominated for the Nobel Peace

Prize, by Nobel Laureate and Co-President of International Physicians for the Prevention of Nuclear War, Professor Sergei Kolesnikov

• Biopolitics - The Bio-Environment - Biocentric Values for the Next Millennium, seminar at The World Bank, Washington DC

• Third Symposium on Business Strategy for the Bio-Environment, The Harvard Club of New York City

• Hellenic-Czech Symposium on Biopolitics - The Bio-Environment - Bio-Culture in the Next Millennium

• Weekly Biopolitics Radio Program

• Keynote address on the occasion of the 50th UN Anniversary, UNA Greece

• Biopolitics Education in the Year 2000 - Seventh International B.I.O. Conference, Adana, Turkey

• Keynote address at the Serbian Academy of Sciences and Arts

• Meeting with the Committee on Legislative Provision of Freedom of Speech and Mass Media, Supreme Rada (Parliament) of Ukraine - Extensive Discussions and Presentations to Parliamentarian Commissions

• Participation in the State of the World Forum, San Francisco

• Official invitation to The Athens Summit

• Guest of Honour and Keynote Speaker at the Mendeleyev University of Chemical Technology 75-Year Anniversary Jubilee

• Closing address, International Business Forms Industries 7th European Annual Conference

• Multiple lectures at Rotary Clubs, cultural centres and educational institutions in Greece and Cyprus

• "Profit and the Bio-Environment." Fourth B.I.O. Business Conference for environmentally-compatible Business Strategy, in co-operation with the Athens Chamber of Commerce and Industry

• Official Launching of the International University for the Bio-Environment Visiting Scholars Program at the I.U.B.E. Rodini Centre

• Keynote address, ALPINE graduation ceremony; Eurochinese Centre for Research and Development Conference; Hellenic Biotechnological Society "Bio-Strategy" Conference

• B.I.O. pavillion at the HELECO Environmental Technology for the Mediterranean Area 2nd International Exhibition and Conference

• The Biopolitics International Organisation acquires a site on

Internet's World Wide Web (<http://www.telecom.ntua.gr/bio/>)

## 1996

• Keynote address, International Inner Wheel Day, Ministry of Foreign Affairs, Athens

• Weekly Biopolitics full-page articles in the Athenian daily "Adesmeutos"

• Weekly Biopolitics Radio Program

• Keynote address, First Biopolitics "White Land" Chapter Conference on Scientific and Technological Bases for a Global Energy System, St. Petersburg, Russia

• Lecture, St. Petersburg State Technological University for Plant Polymers and Lomonosov Moscow State University

• Keynote address at D.I. Mendeleyev University of Chemical Technology of Russia, on the occasion of a Memorial Conference for D.I. Mendeleyev

• The President is appointed Commissioner on The Global Commission to Fund the United Nations, a commission which assures the United Nations of adequate funds for performing tasks in peacekeeping, humanitarian aid, protection of the global environment and sustainable economic development

• Lectures, Parnitha Rotary Club and Italian School, Athens

• "Biopolitics - Bio-Economics" special events, Athens University of Economics and Piraeus University of Economics

• Keynote address, European Commission Centre, Athens

• "Biopolitics - The Bio-Environment" 2 week event, including lectures workshops and exhibits, in co-operation with Artists without Frontiers and the Municipality of Athens

• Lecture, Istanbul Technical University and Marmara University, Turkey

• Keynote address, Habitat Conference, Moscow and World Congress on Universalism, Poland

• B.I.O. Symposium in Trabzon, Turkey

• Chair, session on Biopolitics and Bio-Diplomacy, World Congress of the Society for Arts and Sciences, Bratislava

• Chair, session on Biopolitics, Europa Dialog, Germany

• "Biopolitics - The Bio-Environment - Bio-Culture in the Next Millennium." Hellenic-Ukrainian Symposium, under the auspices of H.E. Ambassador Boris Korneyenko.

• "First Biopolitics Conference in Latin America," held in Colombia, under the auspices of the Fundacion Santillana para Iberoamerica and President Belisario Betancur.

## Publications

### Proceedings:

*BIOPOLITICS - THE BIO-ENVIRONMENT - VOLUME I*  
Dr. A. Vlavianos-Arvanitis, Editor. First B.I.O. International Conference, May 1987 (English, 400 pp.) 1988

*BIOPOLITICS - THE BIO-ENVIRONMENT - VOLUME II*  
Dr. A. Vlavianos-Arvanitis, Editor. Second B.I.O. International Conference, Oct. 1988 (English, 543 pp.) 1989

*BIOPOLITICS - THE BIO-ENVIRONMENT - VOLUME III*  
Dr. A. Vlavianos-Arvanitis, Editor. Fourth B.I.O. International Conference, Jan. 1991 (English, 683 pp.) 1991

*BIOPOLITICS - THE BIO-ENVIRONMENT - VOLUME IV*  
Dr. A. Vlavianos-Arvanitis, Editor. Professor Rusen Keles, Co-Editor. Fifth B.I.O. International Conference, Istanbul, May 1992 (English, 303 pp.) 1993

*BIOPOLITICS - THE BIO-ENVIRONMENT - VOLUME V*  
International Sakharov Festival-Sixth BIO International Conference, Athens, July 1994 (in press)

### Business:

*BUSINESS STRATEGY FOR THE BIO-ENVIRONMENT - VOLUME I* (Greek)  
First Symposium on Business Strategy for the Bio-Environment, Athens, Nov. 1992, 132 pp., 1994

*BUSINESS STRATEGY FOR THE BIO-ENVIRONMENT - VOLUME II* (Greek)  
Second Symposium on Business Strategy for the Bio-Environment, Athens, Dec. 1993, 180 pp., 1994

*BUSINESS STRATEGY FOR THE BIO-ENVIRONMENT* (English)  
Second Symposium on Business Strategy for the Bio-Environment, Athens, Dec. 1993, 168 pp., 1995

*BUSINESS STRATEGY FOR THE BIO-ENVIRONMENT II* (English)  
Corporate Symposium, Harvard Club of New York City, Feb. 1995, 105 pp., 1995

*BUSINESS STRATEGY FOR THE BIO-ENVIRONMENT III* (English)  
"Profit and the Bio-Environment." International Conference on Environmentally-Compatible Business Strategy, Athens Chamber of Commerce and Industry, October 1995, 239 pp., 1996

*BUSINESS STRATEGY FOR THE BIO-ENVIRONMENT - VOLUME III* (Greek)  
"Profit and the Bio-Environment." International Conference on Environmentally-Compatible Business Strategy, Athens Chamber of Commerce and Industry, October 1995 (in press)

### Diplomacy:

*BIOS IN THE NEXT MILLENNIUM*  
Proceedings from a Francophone Symposium, October 1987

*BIOS IN THE NEXT MILLENNIUM*  
Lecture by the Right Honourable Lord Ennals sponsored by the British Council and B.I.O., May 1988

*BIOPOLITICS - PROTECTING THE BIO-ENVIRONMENT*  
Lecture by His Excellency The Ambassador of Israel, Moshe Gilboa, at the Third B.I.O. International Conference, June 1989

*BIOPOLITICS - THE BIO-ENVIRONMENT*  
Presentation at the General Assembly of the Academy of Athens by Academician Professor C. Bonis (Greek), March 1990

*THE BIO-ENVIRONMENT AND INTERNATIONAL CO-OPERATION*  
Dr. A. Vlavianos-Arvanitis, Editor. A Hellenic-Turkish Symposium, Athens City Hall, May 1990 (English, 79 pp.) 1990

*BIOPOLITICS - BIO-DIPLOMACY AND INTERNATIONAL CO-OPERATION*  
Dr. A. Vlavianos-Arvanitis, Editor. Proceedings from a Hellenic-Russian Symposium, Athens, December 1991 (English 74 pp.) 1993

*POPULATION GROWTH, FOOD SECURITY AND EQUITY*  
Dr. A. Vlavianos-Arvanitis, Editor. Proceedings from a Hellenic-Indian Symposium, Athens, April 1993 (English, 47 pp.) 1993

*BIOPOLITICS - THE BIO-ENVIRONMENT - BIO-CULTURE IN THE NEXT MILLENNIUM*  
Hellenic-Czech Cultural Symposium, Athens Chamber of Commerce and Industry, April 3, 1995 (English, 104 pp.) 1995

### Textbooks:

*BIOPOLITICS - DIMENSIONS OF BIOLOGY*  
Dr. A. Vlavianos-Arvanitis (Greek, English, French) 1985

*BIOPOLITICS - METHODS OF IMPLEMENTATION*  
Dr. A. Vlavianos-Arvanitis (Greek, English) 1985

*BIOPOLITICS - BIO-SYLLABUS*  
Outline (Greek, English) 1989, 1990

*BIOPOLITICS - THE BIOS THEORY*  
Dr. A. Vlavianos-Arvanitis (Greek, English) 1990, 1991

*THE INTERNATIONAL UNIVERSITY FOR THE BIO-ENVIRONMENT*  
Goals and Outline (English 1991-1993, Greek 1991-1992)

*BIOPOLITICS - THE BIO-ENVIRONMENT - BIO-SYLLABUS*  
Dr. A. Vlavianos-Arvanitis - A. Oleskin (English 1992, Russian 1993)

*BIOPOLITICS - THE BIO-ENVIRONMENT - BIO-CULTURE*  
Dr. A. Vlavianos-Arvanitis (Greek, 192 pp.) 1994

### Periodicals:

*BIONEWS* Periodical Vol. I, No. 1, 1987

*BIONEWS* Newspaper (1994, 1995, 1996)

## What is the Biopolitics International Organisation?

The Biopolitics International Organisation (B.I.O.) is a non-profit, non-governmental organisation, founded in Athens, in 1985. Over the course of its eleven year history, B.I.O. has been promoting a shift from an anthropocentric to a biocentric system of values in society, in order to curb environmental destruction and place appreciation of the bio-environment at the core of every human endeavour.

- In the search for new models for the future, the bio-environment can provide necessary unifying dimensions for the promotion of international co-operation and understanding. With Greece as its operating basis, B.I.O. has gained international acclaim, and leading representatives from 83 countries currently support its ideals and have dedicated their efforts to their world-wide propagation.

- B.I.O. has held seven international conferences and many symposia that have sig-

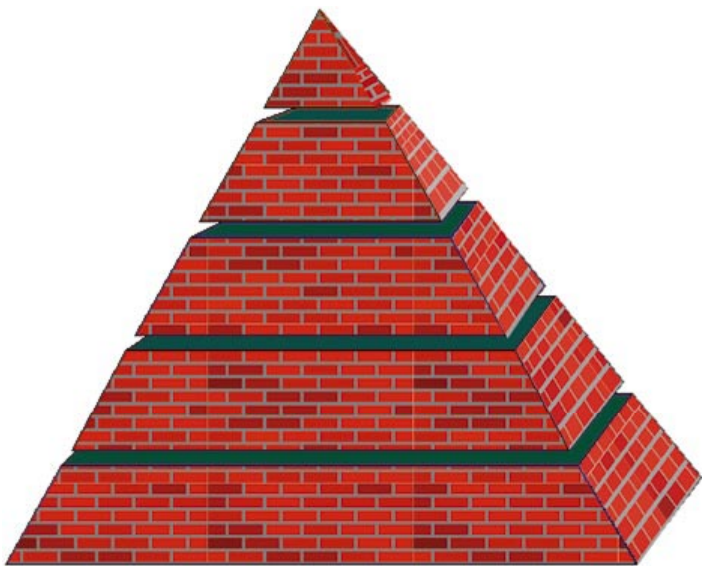
nificantly contributed to the development of new strategies to secure bio-environmental protection as a primary societal aim. In January 1990, B.I.O. launched the International University for the Bio-Environment (I.U.B.E.), with the goal to introduce essential reforms on all educational levels and promote new biocentric curricula in every academic field.

- Our century is characterised by rapid scientific and technological progress, but also by serious threats to the bio-environment. A bio-assessment of technology would allow for the positive dimensions of progress to prevail over destruction. In an effort to establish a diachronic search for values, B.I.O. has begun an international Environmental Olympics campaign, that has been widely supported by prominent politicians, academic institutions, U.N. organisations and members of the International Olympic Committee. This campaign emphasises the importance of bio-

environmental preservation, and proposes the world-wide acknowledgement of accomplishments in this field by special Bios Prizes, awarded at the time the Olympic Flame is lit.

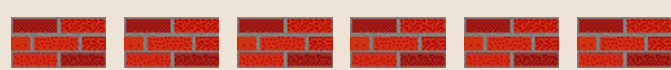
- A large part of the current environmental crisis is due to the pursuit of short-term economic prosperity, therefore, the active participation of the business world is a prerequisite for the successful implementation of the aforementioned plans. B.I.O., focusing on environmental protection as a viable and profitable business strategy, has been actively promoting the sensitisation of the business world to the fact that economic and environmental profit can be achieved simultaneously and are not mutually exclusive. As a result, it is necessary to re-evaluate current business concepts, in order to ensure that the economic driving force directly contributes to the preservation and appreciation of the bio-environment.

## Biopolitics: Building a Biocentric Pyramid for the Future



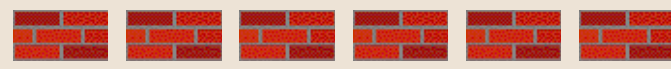
Present society resembles an inverted pyramid, with *anthropocentric* attitudes threatening the stability of the entire structure. For the past eleven years, the Biopolitics International Organisation (B.I.O.) has been toiling to "re-invert" the pyramid, with the aid of *biocentric* building blocks, in hopes of achieving a balanced and harmonious future society where respect for the precious gift of bios (life) will be at the core of every action and thought.

A world-wide *bio-assessment of technology* can help to bridge the gap between technological progress and societal values. Technological progress will retain its positive aspects and directly contribute to the preservation of

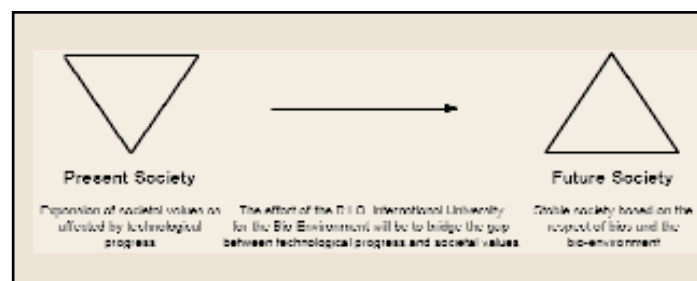


### Biocentric Building Blocks

- Bio-Diplomacy
- Bio-Culture • Publications
- Bio-Economics
- International University for the Bio- Environment
- Bio-Syllabus • Bank of Ideas
- Environmental Olympics - Bios Prizes
- Bio-Assessment of Technology
- International Conferences
  - Bio-Policy
  - Millennium Vision



the bio-environment. The hope is that humanity will soon acknowledge the urgency of protecting bios on our planet and exit the current crisis of values brought on by irresponsible, short-term planning. A millennium vision in global policy-making is the key to a successful future.



## B.I.O. Countries

**Africa:** Algeria, Botswana, Egypt, Ethiopia, Ghana, Kenya, Malawi, Mali, Mauritius, Morocco, Mozambique, Nigeria, Senegal, Seychelles, Sudan, Tanzania, Chad.

**America:** Argentina, Bahamas, Bermuda, Brazil, Canada, Chile, Colombia, Cuba, Equador, Guyana, Mexico, Peru, United States, Venezuela.

**Asia:** Armenia, Cambodia, China, Hong Kong, India, Indonesia, Israel, Japan, Jordan, Kuwait, Lebanon, Malaysia, Pakistan, Philippines, Singapore, Sri Lanka, Thailand.

**Europe:** Albania, Austria, Belarus, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Monaco, Netherlands, Poland, Portugal, Romania, Russia, Slovakia, Spain, Sweden, Switzerland, Turkey, United Kingdom, Ukraine, Yugoslavia.

**Oceania:** Australia, Guinea, Papua New Guinea, Solomon Islands.

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