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COOPERATION AS PREREQUISITE FOR SOCIAL WELL BEING AND SCIENCES DEVELOPMENT

Abstract: In the presentation particular attention should be devoted to the effective way of commutation with the emphasis on changes in fundamental scientific methodology and creation of new values system. To achieve more adequate approach the focus must be oriented on the prediction and anticipation. Old reductionist method that provide explanation of what happened has to be transformed into a study what happens and could happens.

In addition, I wish to stress that mankind faces a problem of mental (ideological) pollution. Therefore, inquiry into the relation of an ideology and value in the context of their interaction with biological aspect of a human is an important factor for building a new value system, optimal to coordinate one's somatic, psychological and social being.

Key words: *cooperation, research strategy, ideological pollution*

INTRODUCTION

In the 21st century cohesion shall be established between sciences, while many existing divisions and borders shall disappear. This will resolve innovative dilemmas as regards competition and innovations, enabling integration of formal and practical knowledge with the dominance of cooperative approach.

Global development is not solely determined by science and technology, but, first and foremost, by interaction of technology and science with social and political programs. In these, a psychological status of a human being, including religious, natural and social aspects, will be in harmony with other relevant factors.

In this technological, post-industrial era, environmental (water, air and soil) pollution is accompanied with mental (ideological) pollution which has restricted individual and collective expression and expansion of humanistic potentials, causing the collapse of a values system and therefore not only spiritual but also physical damage.

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In this presentation of key ideas and themes underlines: *First, analysis* of negative circumstances in social environment of ideological pollution and *Second – wail procedures* and institutions to effectively investigate allegations of irresponsible research conduct and act on the results, implicate the necessary study and an emphasis on the changes in fundamental scientific methodology.

1. SOCIAL WELL-BEING AND IDEOLOGICAL (MENTAL POLLUTION)

Inquiry into the relation of an ideology and value in the context of their interaction with biological aspect of a human is an important factor for building a new value system, optimal to coordinate one's somatic, psychological and social being. In this technological, post-industrial era, environmental (water, air and soil) pollution is accompanied with mental (ideological) pollution which has restricted individual and collective expression and expansion of humanistic potentials, causing the collapse of a values system and therefore not only spiritual but also physical damage.

Contemporary society often ignores individuals and their social positions, neglecting the fact that without a free and complacent individual free society is actually not possible. That society has built up a system comprising numerous institutions and organizations that manipulate individuals, not allowing them to live up to their inner potential which is crucial for personal freedom.

Fear and psychological isolation, aggression and helplessness are negative factors that prevent an individual from expressing their freedom. Constant human adjusting to volatile circumstances governing their physical, psychological and social environment is one of chief problems of our modern times.

Modern man is increasingly isolated, imprisoned in his own fortress. Every individual, community, state or ideology can play the role of a fortress is one is dissociated from others. Power, nations, states and prejudices build up these fortresses. A question arises whether communication among people on this level of civilization can differ from a creeping barrage. Fear from annihilation, once uncovered, (whether an individual, nation, state or ideology is in question) is an imminent prerequisite of the present times, although from the philosophical point of view, this is a sign of the most profound shame and degradation of the mankind. Strange enough, the position of an individual in a modern society, both democratic and totalitarian, is overwhelmed by anxiety frightened by destiny, days to come, imposed rules, own existence, one humbly bows in front of the hateful fellow-man, accepting the fact that this may induce a feeling of detest towards one's own self when one finally becomes a moral ruin built up from fear. This is particularly prominent in authoritarian milieu, and is more easily tolerated by average than by talented individuals.

The absence of the right to build up one's own opinion – to keep silent promotes development of every suspicion, even the ungrounded one with the consequent psychosomatic and social homeostasis of man, leading into a disease – physical, mental and social deterioration. An isolated man in his fortress contemplates other people only from the perspective of his own "truth" and "guilt of others" –

since lack of communication prevents him from realizing that it is actually himself who is wrong. He is surrounded by silence of other people, discerning no way out, ungrounded anxiety begins to develop – not fear from enemies, but fear generated within, manifesting the nature of his very being.

Spiritual tyranny generating alienation and helplessness is a widely spread form of jeopardizing not only freedom, but also physical and mental integrity of people, consequently producing psychosomatic disorders and diseases. It weakens man's psychosocial integrity and stability, his capacity to resist violence and leads either to despair or appropriate aggressive response. Spiritual despotism and ideological pollution are reflected even in cases when an ideology which is acceptable and successful in communities with defined cultural tradition is imposed to communities and cultural traditions of different kind. Forceful imposing of ideologies (political, philosophical, religious) to the majority of population by a ruling minority is also a form of spiritual tyranny. Quest for absolute values and reevaluation of the modern society of the modern society is a great challenge to modern science, philosophy and religion. Pragmatism of modern philosophy, science and technology is commonly distant from man, who should be the decision maker. Development of knowledge has enabled control not only over nature but over society and mankind, too, as a consequence of technological rationalization. Critical reevaluation of these relationships should provide answer to the question whether we shall give up on humanistic tradition and whether our efforts for integration science, arts, philosophy and moral in accordance with this tradition, should be abandoned.

Professionals coming from diverse social and bio-medical disciplines (psychologists, economists, sociologists and physicians) are obliged to protect and give guidelines to any individual, family, narrow community or society in general on how to adjust to environmental changes bearing in mind humane needs. These generated a need to discover, treat and study new diseases that represent a specific organism's answer to harmful effects of the time (diseases of maladaptation, genetic, psychosomatic and malign diseases etc.).

Broad-scale cooperation at a national and international level is therefore of pivotal importance. Unfortunately, optimal conditions for this sort of cooperation have not been reached yet due to the fact that our modern societies function following the principle of competitiveness rather than that of cooperation. Industrial, commercial and economic rivalry may spur material progress in some fields, but they simultaneously stimulate the development of negative elements in the human nature. Therefore, competition – exclusively expressing egoistic ambitions of an individual, at the same time ignoring other people's needs – cannot be accepted as an ideology of future, as being unethical and without prospects. Cooperation, unlike competition, emphasizes the human quality based on moral postulates, for which it is not only sage but also honest.

When science and the future are concerned, it is necessary to underline one imminent problem substantially burdening contemporary science and threatening to be a limiting factor for adequate and optimal scientific development. It is a prob-

lem of pseudoscience, that is, pathological science, including a potential danger of hegemony of mediocrity in contemporary science.

Questions related to the purpose of human existence, the purpose of risk that every man inhabiting the Earth is facing, what future may bring – are as old as hills, and seeking their answers has always fascinated and inspired philosophical and spiritual meditations.

Living conditions on the Earth have completely changed; a dominant species, which conquered the planet and became the main factor of all changes, has risen. The power of this species is exceedingly ambivalent and may be used for new accomplishments just as it may also provoke a definitive downfall of human race. An opportunity to produce enormous quantities of goods over a never shorter period of time has appeared, but it has also created an illusion that a pile of often meaningless goods and products, tools and weapons can be incessantly augmented. Relying upon this, modern man has developed an insatiable appetite for consumption and possession, the appetite that forces him to constantly increase production. At the same time, his relatively great power helps him fight many diseases, therefore doubling an average life expectancy. Nevertheless, at the same time, the birth rate is not adequately regulated, for which a population explosion is taking place and becomes one of the burning issues for the future of mankind – how to provide decent living for billions of people who are to be born in foreseeable future?

Man is facing the fact that in a modern, humane system, he is not able to provide the minimum to his family, despite all his knowledge and power, neither is he able to stay in peace and harmony with himself and the nature he inhabits. Development trends indicate that these problems in future are to become more acute, harder and misbalanced more than ever – unless human race learns to manage themselves and the world in an adequate, more rational and intelligent way.

The fact is that the future is no longer independent and beyond control of human impact but rather a result of human actions. Not only did a modern man conquer the planet, but he also made it seemingly smaller in size due to the transportation and communication development; nevertheless, he downsized the living space by accumulating debris and useless objects that jeopardize processes in nature's systems and cycles.

2. CHANGES TO THE NEW SCIENTIFIC METODOLOGY

It was mentioned before research should be primarily focused on prediction and not on observation of already recognized phenomena; instead of dealing exclusively with questions such as why something was or is happening, the key question is actually what may be happening in future. The intention was to produce an issue that would be forward – looking, providing a resource for the present and future more than a record of the past. It is not an easy task and it demands not only an apt scientist but also an application of rethinking and researching processes. A thinking process goes boundlessly into fragments and is deeply rooted in the past, so that a new concept appears as a foreign body in the working repertory. In order to over-

come this, science should accept uncertainty in fundamental scientific methodology. One of the characteristics of mankind nowadays is spirit disorder as well as a crisis provoked by inadequate and immature modern thought which underestimates values, motivations, behaviours and institutions responsible for the ever changing world. The chief reason why a modern man is not prepared to answer the challenge of extraordinary future opportunities lies in his swift and considerable changing of environment. He has fundamentally altered his surroundings but has not been capable of changing himself nor adapting to these changes he has spurred, which, in the words of the Club of Rome, represents a fatal "human gap". And this very "human gap" is responsible for the fact that fundamental notions and beliefs are not keeping pace with the time. The basic notions of a modern man are still greatly determined by religious beliefs, values and patterns of behavior belonging to the past. In the context of culture, a modern man is old-fashioned and backward, not living in harmony with reality. Therefore, in order to answer the question which way mankind should move forward, one has firstly to try to rethink these shortcomings. It is the only way to reach a conclusion how to formulate a new fundamental thought in accordance with the modern needs so as to avoid a catastrophic downfall and find a leading strategy for "the future of the world".

I wish to stress the importance activities of Royal Society (London) to identify "the biggest gap in knowledge". They decided that a good way to do this would be to invite key thinkers on the contemporary topics of great interest and importance to review where their field was situated, give their perspectives and try to point to some promising as well as less routes for the future. Many wrote about the current issues in their own particular research areas. But there was also quite strong convergence of views from across the wide range a specialism sampled toward several topics of life sciences – complex biological systems – brain and genetic control trial if organism functions.

CONCLUSION

All this forcefully influences human spirit and thought, it directs, shapes and patterns it excessively. The influence is not exerted only by power of the establishment, but by a wide spectrum of mass media / newspapers, television, radio, etc. An individual is provided with definite standpoints formed without previous democratic dialogue, polished conclusions, opinions, patterns of behavior, which like all contrary to his biology and the reached civilization level. Resistance is, consequently, provoked, frequently inappropriate, anarchic, irrelevant, collapsing in a feeling of hopelessness, with deep psychosomatic impact on one's general health. In the absence of true spiritual values which should enlighten our relationships, protect individual personalities from feeling subordinate to numerous individual and collective prejudices, intentions and plans one cannot liberate from, a man becomes oriented towards false values and ideologies based on the shallow ephemeral materialistic impulses and pleasures. In a consciences and moral individual this phenomenal actually makes their discontent more acute once one comprehends that

one is living in a world with no moral scruples, full of deformities one is aware of, but quite incapable of confronting them with some appropriate moral solutions.

Particular attention should be devoted to the effective way of commutation with the emphasis on changes in fundamental scientific methodology and creation of new values system. To achieve more adequate approach the focus must be oriented on the prediction and anticipation. Old reductionist method that provide explanation of what happened has to be transformed into a study what happens and could happens.

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