

Scientific and research centre «Biruch»

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ECONOMIC CRISIS: COSMOS AND PEOPLE

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Resonances of the gravitational and magnet field of the celestial objects appear to be one of the most important factors that impact the development of the mankind. Economic crises are the consequence of the actions of people. And these crises begin more often when the Earth gets into the zone of the unfavorable affection of cosmic forces, so the aftermath of this fact is the alteration of quality of the economic active population. The completion of the system crises is connected with the leaving of these zones and with the alteration of the dominating psychological type that dominates in the economic elite. Practical masters of resonants come to rule the states and economy. They are able to sense the alteration of gravitational-magnetic fields and take measures in accordance with the economic decisions.

The book is dedicated to politicians, economists, psychologists, practicing leaders and students.

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“All the history of science was the gradual recognition of the fact that the events do not happen spontaneously but reflect the definite hidden order which could or could not be stated by divine powers”

Stephen Hawking

Foreword

The given book continues the publications of examination results that were arranged by the group of scientists of the educational and scientific centre Biruch that had already been reflected in the monographs “Schizoid”, “Psycho-economy”, “Psycho-economy: globalization, markets, crisis”. “Soul of Russia on the edge”, “Economic crisis: who is to blame and what to do?”, etc. All the publications are provided on the site of the centre¹. The meaning of the developed methodology which is applied in the examinations is in the statement of dependence between the cosmic processes that cause quality alterations of the economically active population and the consequences in the economic and social spheres. There are psycho-economic effects that do not cancel the economic consequences of the society development. However, namely the alteration of psycho-types that objectively dominate in elite and in economically active population leads to the alteration of the economic and social relationships which are the reason for the development, stagnation and decay of states and their economy. .

Any socio-economic system can show the high effectiveness for the long period of time, but also it can go through the condition of stagnation and crisis very fast. Everything depends on the people especially elite and economically active population which quality constantly and naturally changes. These alterations take place cyclically and are controlled by the rhythms of Space. In accordance with these rhythms the relationship of domain experts and social motivators also changes. *Domain experts* get their income from using tools and subjects of labour. *Social motivators* get the most part of their additional product through the system of inter-personal relationships and not from the subject labour.

Generally, our technological civilization has been created by the labour of domain experts. But also social motivators implement the important tasks in society development. Their high prestigious function of governing attracted people who wanted to increase their status in society and social motivators take first place in this row. However, along with the growth of social labour separation and acquisition of the additional product such psycho-types get the opportunity to submit domain experts in a psychologically sophisticated way, without any tension and to get the most part of the common labour. Temporary such activity of social motivators decreases the motivation for the labour of domain experts and it slowly but surely changes the condition of the social consciousness, deforming the economic laws that used to look like non-vulnerable and led to crises.

¹ <http://biruch.efko.ru/science>

Introduction

Crisis of the modern society – financial, economic, spiritual and civilization – has its own reasons. All these crises are on Earth. But Cosmos actively impacts the Earth. The comparison of crises with the dynamics of planet motion shows that there is the coincidence which is not by chance. Gravitational-magnetic fields within the periods of *resonances* of the Sun and the main planets of solar system as well as the *solar activity* change the hormonal background of people and we start building the relationships between ourselves.

Both these factors in their comparison serve the favorable and unfavorable periods of development of our civilization: passionary and subpassionary periods. Their activity reveals cyclically the contradictions between the social motivators – persons who are successful in social sphere and communication and also domain experts – persons, who are successful in practical subject activity, - cyclically sharpen. Social motivators cyclically get power and submit domain experts, they start cutting off the most part of the cake of the social richness, and the society gradually loses its potential to the intensive development.

Of course the domain experts' coming to power and the powers of Cosmos do not exhaust all the reasons of crises. We do not stand for expelling the traditional economic factors from the analysis – currency circulation, etc., though these factors submit to cosmic resonances. Our purpose is to enter the non-obvious system of determinants into the analysis methodology, which is connected with the fight not just between poor and rich, educated and non-educated, sated and starving, owners of property and those who have nothing, etc, but also between different psycho-types. The acute peak of this fight and alteration of psycho-types happen in accordance with cosmic cycles.

Chapter 1. Games of Cosmos: through crises to the harmony with the World

There is a widespread opinion in the West that the reasons of crises are connected with the wrong policy of financial regulator, namely FRS. Economists understand such approach easier than the opinion about the influence of cosmic forces on these processes that are able to change the personal specific features of the market participants and the character of their thoughts.

The reciprocal connection of cyclical solar activity and social situations on the Earth is not studied well enough. Before the most important crises of mankind the increase of intensiveness of solar activity was watched or the planets lined up in a definite kind. The Earth was under the big influence of gravitational and electro-magnetic indignations that affected the physical, hormonal and psychical condition of a person.

The alteration of people under the influence of cosmic forces leads to the change of decisions as well that they make in the sphere of economy and at the fund markets. Sometimes these decisions are the same as the decisions of the hysteroid or psychopathic persons. Our life makes us this way as well as the circumstances but they also change us through crises and make us be rational and clever. Or crises lead to the low bottom everyone who does not become this way. After that people start imitating not the bankrupted owners but the new economic elite who could take the reasonable lessons from the crisis.

1.1 Original data for understanding the cosmic games

In our nature we can react only on some alterations. Organism supports the equilibristic state (homeostasis) through such reaction including the production of hormones. When the big external influence comes the organism starts creating more hormones necessary for more activity. It requires the opportunity to reveal this activity. If the newly appeared additional forces and hormones are not used to find a way out of the situation then the organism will burn these hormones with the physiological necessity through any activity, increased emotionality and worries. Social usability of such activity is secondary for the necessity to burn the odd hormones. Such effects constantly appear in our organism. Due to this fact and depending on individual features the effectiveness of thoughts and powerful external impacts can both increase (more inventions, discoveries, higher physical labour activity) and decrease. Each type of activity requires different levels of additional hormones of different position for optimum of its effectiveness. Physical activity requires more hormones for optimum effect than intellectual one. The odd emotions by thinking activity can hurt its effectiveness. It happens not seldom and because by the high emotionality we often analyze the situation by less selection, and in head by lesser information about this question. The result is the mistaken conclusions. By powerful unusual external influences of many people the effectiveness of thinking activity falls. Everything is according to the motivation optimum by Yerkes-Dodson.

We are constantly influenced by different cosmic fields.

All the cosmic bodies are in constant motion. Planets move in accordance with the Sun, and the Sun is in the centre of local star gathering, etc. Finally all the cosmic bodies constantly speed up its motion and than slow it down. Their gravitational fields by means of which they influence each other also change. The changes in magnetic spheres of the Sun and planets of the Solar System also change and become the source of the great radiation spectrum.

We are on the surface of the Earth protected by its atmosphere and magnetic field from multiple dangerous cosmic radiations. However nothing protects us from the constant alteration of its own gravitation and the alterations which take place in their magnetic sphere. All these alterations are in strong dependence in how the Sun “behaves” itself and where the planets of the Solar System are. The alterations are cyclical. Many cycles of these alterations we know well enough and take them into consideration in our life.

People have been studying the relationships with the Moon for thousands of years. The gravitation of the Moon causes the tide waves namely the rise of both water and Earth surface each 12 hours 25 minutes. In one of the bays of the Canada coast a tide up to 18 meters is noticed and the hesitations of the Earth surface reach 78 sm. Even the gravitational impact of the Sun is averagely 2,2 times less.

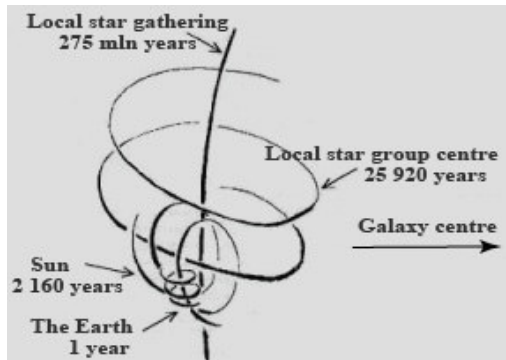
All the moon cycle lasts 29,5 earth hours (earth days). During this period the Moon crosses the orbit of the Earth twice and stands between the Earth and the Sun, and then it “places” the Earth between itself and the Sun. As the result, the Earth comes closer to the Sun and goes far from it, slows and speeds up its motion, and the odd gravitation with the periodical alteration is influenced by all living beings. The mass centre of the Earth-Moon system also changes. It is situated at the distance of 4650 km from the Earth centre and within the moon month it makes a small ellipsis in relation to the centre of the Earth. This fact influences the alteration of the magnetic field.

The influence of the moon cycle has been studied in details. It is considered to be the synchronizer of the biorhythms. Within the period of Moon cycle the Baer’s cell matures, menstrual cycle depends on Moon phases. Within the period of full moon the frequency of sexual contacts grows and it means that the number of such hormones as epinephrine, serotonin, etc. increases. People usually address for psychological support in the period of the new moon. The colour sensibility of eyes alters depending from the position of the Moon. The highest nervous activity is also influenced by the Moon.

Such essential alterations of the psycho-emotional condition of people are performed under the influence of the insignificant in meaning force hesitations and the factors that accompany it. As the result of the moon-solar gravitation the weight of the object of 1 ton changes only for 0,2 g. Most people don’t feel and realize such changes. At the same time there are people whose high sensibility allows them to

feel it. Such people can feel and some are also able to realize the influence of the small gravitational and electro-magnetic powers which belong to the category of soft and cumulative ones. They can feel the tendencies of the current alterations of the soft power and express the necessity of this or that behavior by means of words.

Central place in the Solar System surely belongs to the Sun. Namely the Sun equals all the planets and then they start quarrel between each other. But also the Sun does not stand on one place. According to its plan it equals to the centre of the local group of the stars which also equals to the centre of the local star gathering and together they move around the centre of Galaxy. That is why the Sun constantly moves fast or stops implementing the hard evolutions in the space which are followed by all the planets.



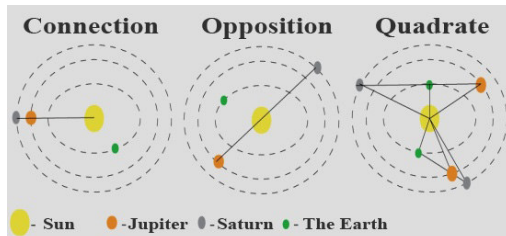
Gravitational fields of the Sun constantly change and all the cosmic bodies taken over by its gravitation react on it.

The processes are cyclical and we for sure do not have any idea of them (one day of Svarog – 25.920 years, cosmic era – 2.160). Namely these processes essentially influence our Earth and mankind. But they are also slow in the frames of the human life, generation and we do not “react on it”. We are more “interested” in faster processes begotten by the planets’ motion, since the planets have a strong influence on gravitational and magnetic fields of the Solar System and the Earth due to its position for the Sun.

The position of the planets for the Sun defines the position of the mass centre of the Solar System which constantly moves inside the Sun and does not coincide with its centre. There is a constant speed up in the centre of the Sun due to this fact which constantly changes its value and its sign and it leads to the alteration of gravitational and magnetic fields of the Sun. All the planets react on this fact.

The main impact on the Sun belongs to such giant planets as Jupiter and Saturn. They influence the processes that take place on the Earth by their masses and magnetic spheres.

What happens when Jupiter and Sun stand on one line on the one side of the Sun (connection?). The mass centre changes, and the Solar System also changes its position to their side and the Sun starts coming closer to it with higher speed up. The Earth reacts on it and it starts moving, the gravitation grows and everything situated on its surfaces finds the equilibrium.



When Jupiter and Saturn are on one line but on different sides of the Sun (opposition) everything is vice versa. The distance between the mass centers of the Solar System and the Sun is supposed to be the least. The Sun starts pulling these planets with its gravitational power. The Earth has to “stop”. The living beings have to react on it and some of

them will feel it.

There is also one significant position of planets: the Earth makes a quadrate with giants. In this situation they actively interact with the Earth by their gravitational powers. People react on it by psycho-physiological and socio-psychological changes.

What is worth to be noted? The alteration of the gravitation more intensively happens when the giant planets move towards their connection or opposition. In this time the mass centre of the Solar System moves away from the centre of the Sun or comes closer to it, and the Sun reacts on it with the change of its fields. The connection and the opposition of the giant planets influence the processes in the Solar System. The Earth also reacts independent from where it is situated for the giants. But connection and opposition of these planets weakly correlates with solar activity if we describe the linear correlation of these figures. It is relatively independent cosmic power.

The relatively constant factor that influences our life is the magnetic fields of the Sun and the planets of Solar System. And directly these planets play the main role in the processes.

Planets and the Sun go around their common center of mass and it creates the axial movement. It is associated with the magnetic flux density. Its vector does not coincide with the center of the Sun, whereby the created magnetic moment and the magnetic field occurs. Intrinsic

magnetic field is possessed by all the planets which have satellites. Mercury and Venus almost do not have it. Those miserable magnetic field values that are noted are the result of eccentricity which arises when these planets move relative to the Sun.

The magnetosphere of the Sun goes even beyond the Solar System with its impact, and it was stated by "Voyagers". At the same time, long-term observations have shown that strong magnetic fields occur in the so-called active regions on the Sun - in sunspots (thousands of gauss) and the surrounding flare fields where the magnetic induction is tens and hundreds of gauss. Elsewhere there are typical fields 1-2 Gs. And outside the active regions the magnetic field of the Sun has the form of a dipole, which changes its polarity usually within one 11-year cycle of solar activity.

Jupiter has powerful magnetic field. The reason is the presence of 67 satellites (only stated, but it is believed that there are about 100). Magnetic induction at cloud tops is of 3 Gauss at the equator (about 10 times greater than that of the Earth), and about 14 gauss at the poles. It rotates within a period of 9 hours and 55 minutes. Jovian dipole will be even more powerful. There is evidence of NASA that the electron flows that go from Jupiter to Earth may be superior if they are coming from the Sun. The Saturn's magnetic field induction at the equator is equal to 0.21 G. Its dipole has an orbital period of 10 hours and 45 minutes. The polarity of the magnetic fields of these planets is opposite to the polarity of the magnetic field of the Earth.

By the approaching of Jupiter and Saturn, their magnetic fields are in resonance. Periodically, these processes interfere with the Earth. Sometimes the interaction of the magnetic and gravitational fields of these three great planets takes a resonant character. They are also so strong that it is not a small effect, which is involved in the change of the sign of the interplanetary magnetic field. This phenomenon was discovered when mankind was not yet aware of the presence of magnetic fields of the giant planets. According to measurements taken on our polar stations, in 1957-1958 it was more negative, and in the period of 1960-1961 years it was positive [5]. But in between these years, Jupiter and Saturn have experienced the connection, and then dispersed.

Gravitational and electromagnetic fields of the interplanetary space constantly change and interact with each other. There is a great amount of experimental data about this fact. Famous Russian seismologist A. Sytinskiy found that the earthquakes of more than 6.5 points usually happen on the day ahead of magnetic storms. [9] This fact confirms the idea that the resonant interactions of electromagnetic and gravitational fields in interplanetary space are the cause, the catalyst and the trigger of most disasters occurring in the world. Naturally, all the living beings react on it as it is largely composed of water or immersed in water, which is a complex composition of various anions and cations. The alterations in gravitational magnetic fields affect the physiology, mental state of people and nervous activity which is based on conducting nerve impulses and every nerve impulse is an electromagnetic phenomenon.

As a result of the interaction of gravity and magnetic potentials in the space between the Sun, the planets and their satellites these resonance phenomena occur. Attraction of the planets and the distances between them are constantly changing, and the position of their magnetic dipoles also constantly changes. As a result, the oscillatory processes that are resonances occur in the space. This affects the intensity of radiation, especially X-ray and gamma radiation, all of which react to whom they get. The greater is the mass of the planets and the stronger is their magnetic field the greater is the resulting resonance phenomena. Jupiter and Saturn have the strongest reaction between each other, when they are close to the period of their connection.

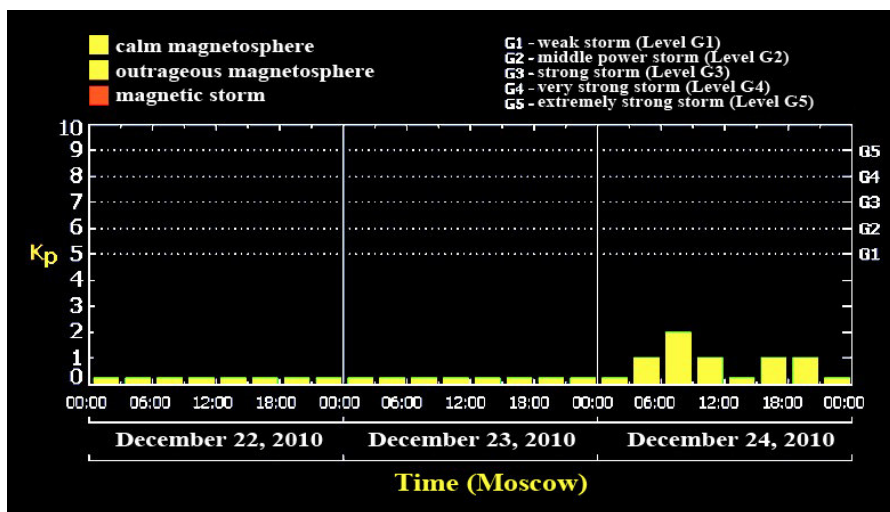
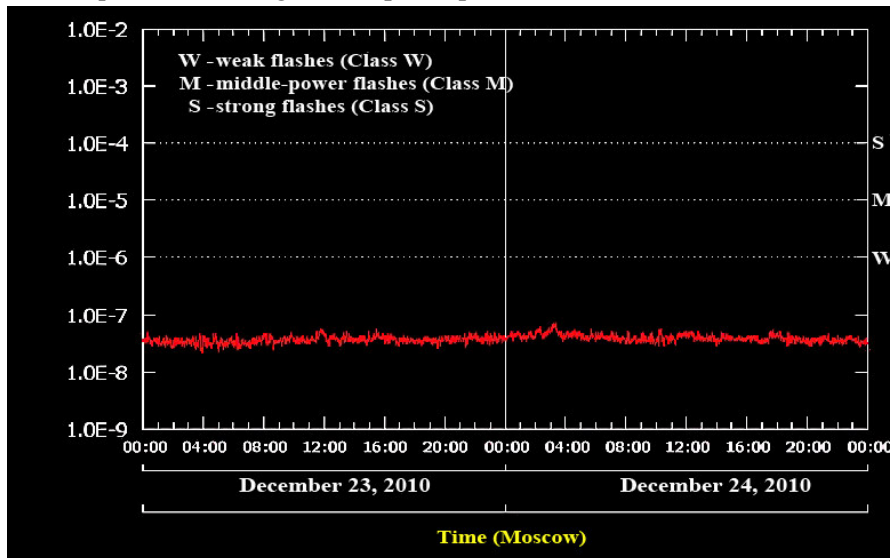
The Earth periodically gets into field formed between the giant planets. What happens in the world? What would happen if the Earth is between the Moon and the Sun, but at the same time it is between Jupiter and Saturn?

Before answering these questions we have to look at the facts - what was happening in the world when Jupiter and Saturn stood in opposition, and when the Sun appeared to be strictly between them. Last time it happened on the 24th of December, 2010². Besides, the Earth was in conjunction with Mercury and almost in opposition to Mars. In this situation, the center of mass of the Solar System must practically coincide with the center of the Sun. The Sun is simply obliged to behave calmly and the absence of any notable its activity at this time was noted.

² <http://www.contenton.ru/geo-solarsystem/>

The stock market behaves in unison with this schedule. "The Russian stock market as of 24th of December: meek as a lamb" – it is a title of the article of the group InvestfundS which specializes in the analysis of the stock markets³. Earth's magnetosphere is also quiet.

However, the coincidence of the center of mass of the Solar System with the center of the Sun means that light loses some of that extra power, which arises as a centripetal acceleration at balancing with the planets. The magnitude of the gravitational potential accordingly reduces, by means of which the Sun reaches the Earth. For some short period of time the Earth loses a substantial part of the external action under the pressure which it resides. In fact, the Earth's crust has to dramatically rebalance itself and its lithosphere sets in motion. During the period of December 23-25 the Earth was shaken with a series of earthquakes with magnitude up to 7 points. [1]



But what happened before that, when Jupiter and Saturn only moved in their opposition? Those things happened that were supposed to happen when the Sun changes the ratio of forces and when the relativity of gravitational and magnetic fields changes: technical accidents, disasters, especially spacecraft, splash of human emotions associated with the manifestation of the mental processes of infection, imitation and suggestion. They are more likely to occur with a decrease in the determination of behavior of the cerebral cortex and the increased role of the subcortex. But when the center of mass of the Solar System comes closer to the center of the Sun the shoulder of the magnetic moment decreases and the magnetic activity of the Sun should fall.

Actually all these facts were observed in the beginning of December. Experts of the United States National Aeronautics and Space Administration registered intensive eruptions on the Sun. Space probe observed emission from the surface of stars on the 4th of December 2010 and ejection of the plasma length of more than 400 thousand km. It increases the diameter of the Earth more than 30 times. Physical changes in the Sun are highest in decades. The Sun was different. Chunks of plasma just flew from the Sun.

But in the range of X-ray radiation from the Sun everything is calm, quiet and the Earth's magnetosphere is also calm. According to the observation of the space observatory Tesis the weak magnetic outbreak was watched two weeks before December, 24 and four weeks after. The rest of time the Sun is calm. And the earthquake took place along with mass protests, depriving people of the mind.

³ <http://investfunds.ru>

Mad desire to burn hormones went wild intensively. The degree of irrationality of behavior grew in many people. They are connected to a large extent to the activity of the gravitational field, with a change in the Earth's gravity.

The Indian three-stage rocket GSLV wrecked. Rocket "Proton-M" fell into the Pacific Ocean and three satellites "Glonass-M" were lost. Japanese interplanetary probe Planet-C failed to reach the orbit of Venus. Global daily failure occurred in the Skype. And there were a lot of different accidents.

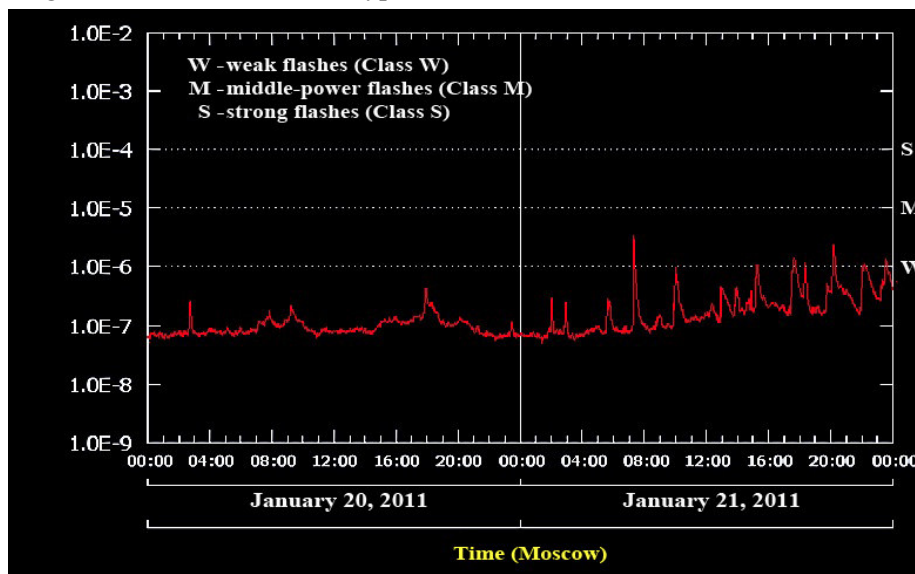
In one month a series of terrorist acts were accomplished in Alexandria, Kandahar, Khare, Chabahar and other places. There were hundreds of dead and wounded. It looked like in different parts of the world terrorists conspired in their actions.

In December 2010 the political, social and just violent protests swept across Russia. In the middle of the month the riots in Moscow took place. There were thousands of participants. Until December 15 about 800 people were detained. Protests of students took place in Rome, England and other countries. There were also mass protests in Athens. Even teenagers rioted. In France (Besançon) boy seized kindergarten and a tutor threatening to kill, in Egypt teenagers staged a rally. Brawl in the Ukrainian Parliament: three deputies were hospitalized. Not only deputies are aggressive, but also animals. Sharks began to attack the tourists. From the United States the special team of experts was sent to Egypt to explore this mass phenomenon and make recommendations.

People took out their emotions in socially acceptable ways as well. For example, in Michigan a world record attendance of match between hockey teams of the University of Michigan and Michigan State University was stated. 113,411 fans released their emotions on stands.

Hormones of people under the influence of celestial forces ran amok. They sought the way out in various forms of human activity.

After the giant planets passed their opposition everything returned to normal. In January, the magnetic solar flares became typical, and the stock market came to life.



The opposition of Jupiter and Saturn leads to the fact that the basic phenomena in the Solar System and on Earth are largely determined by the activity of the gravitational fields. Electromagnetic and X-ray activity froze but then resumed at a typical level. Along with it the quiet magnetosphere of the Sun is preceded by a surge in tectonic activity of the world, but it does not negate the strengthening of social and psychological processes associated with the suggestion and imitation. Being enhanced by hormonal activity people feel tension not knowing why and what for.

The main conclusion is that the mass protests and mass psychic phenomena do not begin only at high solar activity during magnetic storms, but during the gravity anomalies! But the ratio of the two varies cyclically over the centuries.

It can be stated that during the attraction people activated hormonal apparatus. It is reasonable from an evolutionary point of view. It is necessary before earthquakes to call the hormonal margin for action. And hormones (epinephrine, norepinephrine, dopamine, serotonin, and others, there are more than twenty of them) accumulate to a level that requires action. People with such hormone saturation simply can't keep one place. It should be noted that serotonin is not only the hormone of happiness, but it is the hormone of movement, a hormone that regulates the physical activity of the person and the relationship of the right and left hemisphere.

And the production of epinephrine, serotonin and other neurotransmitters increases when the Earth is under the gravity of some "anomalies". These "anomalies" we regularly experience from the full moon and when the Earth is aligned between the Sun and the Moon. Frequent mental disorders, active sexual intercourses, and some people burn the hormones through antisocial behavior. Adrenaline and other hormones excite us looking for being released. The reaction from people is individual. From someone hormones require active, violent action; someone is dominated by fears and concerns. The hormones inject into the blood in different proportions. But in any case, being under significant alterations of attraction, the human body reacts on the release of hormones, requiring any actions and emotions from it.

Even if the Moon is able to change the behavior of the masses of people, what action can the giant planets have that have to be accepted as compound? The event is not frequent, but during the conjunction of Jupiter and Saturn, the Earth succeeds in some decades several times to stand up as one line with them, and between the giant planets and the Sun. What happened in the world during these years: 1901, 1921, 1940, 1961, 1981, and 2000? Please note that the centers of mass of the Solar System and the Sun do not coincide and it leads to unusual gravitational-magnetic and other changes. This is due to the presence of the additional portions of hormones in our blood during this period. During these years there was predisposition of people to action, uplifting spirit and rapid economic development.

In Russia in 1901 and the next few years there was a period of rapid and intensive development of industry and economy. The year 1921 became a successful beginning of the NEP, which grew into a groundswell of the first five years. In 1940 the activity of the people increased as well as the mass labor heroism and the heroism of the war years. In 1961 grew the enthusiasm for constructing of communism and it was the beginning of the second stage of the scientific and technological revolution. It is noteworthy that the actual conjunction of Saturn and Jupiter occurred on the 12th of April – the day of Gagarin's flight. The years 1980 - 1981 poured a lot of emotions. It is enough to recall the Olympic Games in Moscow. People were crying when it was closed. The year 2000 and the following years were the years of the increased factor of productivity and GDP in Russia, for example the growth of labor efficiency due to internal resources and the enthusiasm of people.

It should be noted that in a relatively short period of time there was a change of quality of people and they had more opportunity for intensive physiological activity. Changing of people psycho suddenly became not the same as it was before. They wanted to change country in shortest terms. Activity of people increased. However, where and how it will be sent depends on the social situation and the ability of the elite to rally the people and the decisions of leaders.

These moments play an important role among those who can intuitively grasp what to do and how to deal with this historical period. But this does not always happen. It happens so that the elite and the people are set to rush, but it happens in a different way. This ratio naturally depends on the 72-year cosmic cycles [4]. People change both due to additional hormonal injections and because of changes in social factors and generational psycho laws.

Periods when Saturn and Jupiter were in opposition had a slightly different flavor: 1911, 1931, 1951, 1971, 1990, and 2010. It's the eve of the First World War, when the Nazis came to power, then came nuclear blackmail and the Cold War, the collapse of the USSR and the socio-economic problems throughout the world (fall in the rate of production, the difficulties in overcoming the crisis, mass protests).

At a time when gravitational changes are accompanied by electromagnetic, often there is a change of mood: rejoice, the spleen, of course, under the influence of specific social causes. When the magnetosphere is calm, the specific social event rather causes the influx of enthusiasm due to elevated blood level of adrenaline and serotonin. The best example is the flight of Yuri Gagarin. When under the influence of electromagnetic storms we begin to lose the balance with the environment, the probability of pessimism, hatred, confusion and other negative feelings is higher. There is a need to go and beat someone or to overthrow, to break, to destroy. The same happened in the period of almost all Russian revolutions. But in those years the Wolf number rolled over.

Particularly gravitational magnetic effects occur in humans when the Earth is stretched by the gravitational fields: on the one hand by the Moon, on the other – by the Sun and at the same time it is on the line of Jupiter - Saturn. They also stretch the Earth by their gravity and shake with the gravitational and magnetic resonances. So depending on what is in our blood, the same situation in the market can cause a burst of energy and optimism in the evaluation, and can also cause fear. Who will win depends on the socio-psychological factors.

In a stressful situation people often begin to look around: who said what, who did what ... It's like a pack of animals that look at the leader and copy his behavior. In these moments we come to life in a herd mentality and subcortex is more active than the crust. At this point, social activists are activated. Great is their role in such situations. They begin to unconsciously look for other subject - those who understand the situation and can end the deadlock. This is the moment when the power of one psychological type changes to the power of another psychological type. But if the accident has occurred...

Good or bad? Bad is that it happens after the accident but good is that it is exactly what happens. We evolve and the extra hormones that appear before the inevitable disasters help us to overcome their consequences. Necessary hormones come in the mass of people at a definite moment depending on the situation, but not everyone is able to understand why it is necessary to follow the cats and dogs and run uphill (because of an approaching tsunami). We can not understand the situation but the brain and hormonal system still prepare us for the upcoming events.

Evolution is not sent to landfill by this psycho-chemical mechanism of our survival or for other reasons.

Periodic change of people's psychological types is also a periodic change in the type of intelligence. We periodically become more domain experts and more social motivators, and then give ourselves over to our emotions and instincts, or we begin to write poetry and do complex calculations.

These cycles are associated with the movement of the planets and with a predominance of the influence of the giant planets. During the approach to Jupiter and Saturn in the world there are resonant phenomena that are largely common to these two planets. And then the third one joins. When the planets move away from each other, the resonances begin to disintegrate. It happens everywhere and in everything, including our life and humans. The same happens in our heads. During the convergence of three planets in the period of strong common resonances we are more declined to joint actions. People set up, figuratively speaking, on the same frequency. This has important implications for our evolution.

Firstly there is the manifest ability and willingness to mass action. We are beginning to realize the necessity of social change, social institutions for the organization of joint activities. There is not only an economic necessity growth of the social division of labor, but also physiological and social pre-requisites.

Secondly, we should note the development of our consciousness. If at some time people were improved emotionally, and then became more rational, it would sooner or later be recognized. And here we have to make conclusions on the social organization of society. Instead of the communities of people that had not changed in the right direction, the others came who were aware of the laws of social life and changed in accordance with the effect of soft power. Mankind is forced to do it because of the presence of such cycles which are directed at recognizing themselves. And we know that the most difficult thing is to realize oneself from the inside. It is very important to the success of the evolution in the future.

Third, inevitable problems that arose during the earthquakes forced humanity to choose from their most deserving leaders the resonators and transmit power to them. We have an opportunity to compare the reign periods of the resonants and postpostresonants. There is an opportunity to realize that this was happening, and to build a more rational society. A mechanism for the inevitable change of social motivators on the other subject is simple. Earthquakes require kinesthetic leaders for survival actions. We must take the stones, carry the load, and it is necessary to save others, so we need the action. In these situations social motivators, audialists gladly give place to domain experts-kinesthetics. Despite the fact that they can not talk about their social merits and submit people with words as social motivators-audialists do the governing power itself falls into their hands.

Fourth, the cyclical process allows you to repeat the lessons of the joint social life in case we at first time have not learned these lessons. If mankind had to create intelligent beings through modeling their life, than it will be difficult to invent the more expedient system. These creatures in such a system will develop their mind, their souls, or simply die. By natural selection the most brainy, capable of self-development beings will only remain. And it will not immediately kill everything. There will be an opportunity to repeat and repeat the lessons of evolution. Without recurrence it is impossible to develop the civilization. People generally understand more after the mistakes. "Would I be as smart as my wife then?" Here comes some kind of universal consciousness training, but in the end all of these situations within this consciousness go in a circle and usually nothing unexpected happens. You just have to be able to listen to that and so is in the public consciousness, in our archetypes, but for a particular generation is just coming. Unfortunately, few people are capable of it.

It should be noted that the cycles that are associated with the motion of Jupiter and Saturn are superimposed on the cycles of other celestial bodies. It's all more clearly recognized by our scientists. According to V. Sukharev, resonance phenomena in the Solar System are universal. Here are his thoughts.

"Planets of the Solar System and their satellites (Titan, Callisto, Ganymede, Europa, Io, the Moon and Triton) are huge charged bodies. Figuratively speaking, it is the ensemble sounding of tuning forks that emit at a non-uniform motion in the space of low-frequency waves. When they overlap each other, there is an electromagnetic resonance - a sharp rise or fall in the intensity of the field. It was backfired with the echo of the Earth in the form of various disasters.

With the dominance of the wave of cosmic resonance of SRS-minuses in near space the electromagnetic vacuum arises. The Earth's atmosphere pressure is reduced, cyclic processes are enhanced and there is an increasing number of hurricanes, storms, typhoons and continental storms. If there are more SRS-Pluses, the picture is just the opposite. Due to the growth of atmospheric pressure on Earth, the conditions are favorable to the anti-cyclonic activity: forming a clear, sunny weather with hot days in summer and a frosty winter; reduced seismic-volcanic activity. Global sea level rises as well as an increasing number of geomagnetic storms, auroras,

and other unusual natural phenomena. And the Sun formed patches, the solar wind enhances and there are flickers and emissions of protuberances. The Sun folds excess internal energy which has been accumulated during the flow of thermonuclear reactions "[8].

V. Sukharev calculated 23 interplanetary and 63 planet-satellites with simple wave resonant cycles. According to him every 127,434 years special resonance forces can occur between Jupiter and Saturn, and between Jupiter and its Moon Io they occur every 21 years, which practically coincides with the full cycle variation of the magnetic dipole of the Sun.

The researches of Shnoll are also interesting [11]. According to him the results of biochemical and biological research depend on where in the interplanetary space the Earth is at the time of their conduct. The Earth moves to an inhomogeneous gravitational field and constantly faces with its different largest potentials and all the animate and inanimate objects on its surface have to react on this factor. This affects both the physical and biochemical and biological processes. And we'll add also mental, emotional and intellectual influence.

Space resonances obey certain laws, rather than solar activity. For example, the peaks of solar activity coincide with the opposition and the compound of the giant planets only once in 144 years. Along with it the events in the world occur differently.

Over the past century, there was only one match of maximum solar activity of 1989-1991 and the opposition of Jupiter and Saturn was in August 1990. Our country was shaken so that it collapsed in 1991. It was the largest geopolitical catastrophe.

The combination of these planets on a background of low solar activity was in October 1901, which coincides with a stable and sufficiently rapid development of mankind. Yes, we can find the reference to the crisis in the literature of the early twentieth century. But the dates are too different. That is the crisis of 1989-1900 years, the 1900-1903. In Russia it leads to the changes in economic growth. In 1901 - 4%, in 1902 - 0.1%, but in 1903 - 6.5% [12].

Table 1. Connection and opposition of giant planets and solar activity

Jupiter and Saturn in connection	Wolf's number (year)	Wolf's number (month)	Jupiter and Saturn in opposition	Wolf's number (year)	Wolf's number (month)
2.10.1901	4	3			
			14.9.1911	6	4
15.9.1921	26	18			
			4.1.1931	36	15
2.12.1940	68	68			
			15.7.1951	69	62
12.4.1961	61	54			
			23.1.1971	104	91
20.3.1981	140	136			
			1.8.1990	146	176
24.6.2000	120	125			
			24.12.2010	101	25

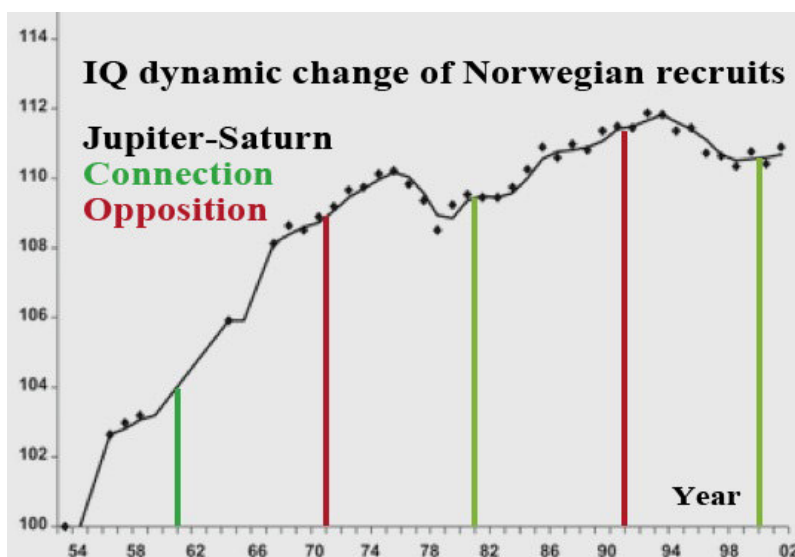
Is it a crisis in the hindsight of today even if zero rate of development is called a recession? Could it not be even named as stagnation with such hindsight? (There was no fall in GDP down to zero). We wish we have such crises! The thing is in the name and in the comparison. At that time the pace of development has been impressive, and time was called crisis by the historians of the Communist Party who explained the causes of the revolutions of 1905 and 1917. Practically no one wanted to associate those revolutions with high solar activity and cosmic resonance. They did not listen to the conclusions of A. Chizhevskiy.

These reflections are instructive in that aspect that the extra hormones are paid off in increasing the pace of development only in those countries where there are appropriate conditions. During the existence of our civilization, the combination of low solar activity with hormonal surges repeated many times, but the pace of development have been at the level of simple reproduction for thousands of years. It is therefore important not only for hormones and the willingness of people to increase their activity, but their interface with tools, instruments of labor and other factors.

But if this is so, then is it possible to maintain this pace of development at the expense of the relevant decisions, due to management based on an understanding of the laws governing the development of mankind? Yes. To do this, save the resonances between the people who appear in the good times of our development. We can save them in different ways, for example with a single faith. But there will be no single faith, if the leadership does not belong to domain experts who shift social motivators. Social motivators have one important feature - the harmonization of relations between people in moments of loss of resonance and understanding. However, the number of public figures in the world and their influence became so great that they had become self-sufficient in the social structure. This group of people needs its significant share of the wealth, and does not allow the domain experts to get power.

In itself the understanding of the inevitability of psycho-type change of the leaders does not mean that we should just wait for the right time, and it will happen. Social motivators themselves are infinitely cunning and never go away. They are able to plump the head with thick and beautiful words that do not have any real sense and create the illusion of well-being, even at a time when everything is falling apart for a long time, and vice versa. When it is profitable for them they call the growth as economic crisis and a deep recession will be called stagnation while adjusting methods of calculating GDP. All the words are possessed by them. They explain everything that is in their interest.

By itself, the GDP does not grow, independent from how much intelligent words you would say. It begins to grow rapidly when the resonators are both the elite and the economically active population, when they are working day and night, and do not expect a gift from heaven. And Cosmos is doing everything for such people to appear. It is important not to miss the good times, as well as timely and adequately respond to the negative development, so you do not accuse each other of mismanagement. **But who is always the main prosecutor?** Domain experts would never accuse the social motivators of the fact that they did not use comic resonances in the interests of a more intensive development of the society. Others are usually blamed by social motivators, who blame their inability to understand the real processes and accuse us of any failures. This is a different culture of thinking and living.



During the stay of the Earth in the embrace of Jupiter and Saturn the magnetic fields of these planets are in resonance. They affect all the living beings on the Earth. The possibility of resonances and coherence in action between people increases. The possibility of coherence of people in this period is greater and the demand for social motivators is lesser due to this fact. There are more hormones. The effectiveness action is higher. Then the type of person and the type of intelligence must change. Is there any proof? We give a graph of intelligence quotient (IQ) among Norwegian conscripts within the second half of the twentieth century⁴.

⁴ Data of Jon Martin Sundet, Dag G. Barlaug Dag G. Barlaug, Tore M. Torjussen. *Institute of Psychology, University of Oslo, PO Box 1094, Blindern N-317 Oslo, Norway. Psychological Services, Norwegian Armed Forces, Norway.*

Conjunction of Jupiter and Saturn continues for several years and the Earth manages to get under their serious cumulative impact several times. Characteristically, in these years there has been an increase in IQ. But when these planets are in opposition, the IQ starts to fall, despite the growth of literacy and increasing number of people with higher education. Note that when Jupiter and Saturn are in opposition, the IQ does not start to fall immediately, but after a while. The trigger worked out, but it takes some time for the communication with social motivators to change domain expert's psycho-type for the social one. Introverts are difficult to influence, and they slowly rebuild their psychological type, but when it is possible to do something in a lesser dependence on social motivators, then domain experts will pass to their natural psychotype more quickly.

Therefore, in terms of passionary the IQ starts to grow faster than to fall in the terms of subpassionary. These changes occur gradually, which is clearly shown in the graph. During these years the same happens with EEG and ECG in humans. Cosmos makes us to develop both domain and social intellect. Everything is cyclical in our world. If for several consecutive years we live in the resonances of Saturn and Jupiter, then we unite, our hormonal balance improves, and there is a real opportunity to pay less attention to the system of interpersonal relations, and more to purposeful activity.

According to numerous studies in developed countries there is the steadily increasing social intelligence (EQ) in developed countries, and the intelligence quotient (IQ) falls. This means that domain experts are totally subjugated by social motivators. Their culture has swept the whole world. To restore a reasonable community of people the resonances of Jupiter and Saturn are not enough. In any case, they started to help lesser. We can only rely on our own mind and will.

Time passed when the power of domain experts was restored spontaneously as a result of natural disasters and life on the margins of survival. Though there is hope for Cosmos, which is perhaps one of the last ones. 144 years after the beginning of the twentieth century the situation repeats where resonances of Jupiter and Saturn will coincide with the minimum of solar activity. There is a chance for a sensible development in this period. Otherwise it will be, as always in history. Civilization tries to disobey cosmic rhythms and devours itself and eventually disappears from the planet.

A lot of consequences follow from these data, and even the patterns of social groupings of people and types of states and forms of government. They have to be understood and to properly use the objectively emerging opportunities for development and not "let off steam" through the social upheavals and economic crises.

It is obvious that when the Earth is in one line with Jupiter and Saturn, and at this time there are raging magnetic storms on the Sun, then the flow of hormones is accompanied by an increase of health problems and mental well-being, especially in the elderly. So young and healthy in this cosmic period receive a clear advantage over older. This is the most opportune time for the government to intercept young. This is the period when some groups of the population can be elated, and other oppressive ones can be painful.

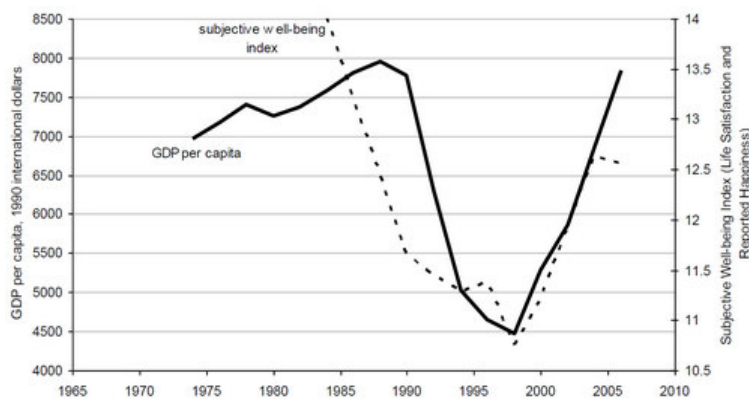
The Nazis came to power in the early 30s, when a moderate solar activity combined with the loss of unity and resonance between the Germans. And the Nazis relied on youth. Such situations occurred cyclically and nationalists in the worst sense of this term were able to lift their head to capture their influence over young people, if they are not sent about their business. The role and the importance of right-wing parties and the rise of Nazism in our time are not accidental. Understanding these fundamental reasons, it is possible to take proactive measures. It is clear that the social organization of society and the level of democracy must comply with quality of

public consciousness. Everything has to fit the rhythms of the cosmos. Even during the happy existence of people.

If cycle motion of Jupiter and Saturn in the world is correct, and if it is true from the point of view of the socio-psychological interpretation, there must be scientific evidence of our attitude during these periods. And they exist. For example, scientists have studied the lifetime duration of the educated communities. Most of them break for 10 - 20 years. And a sharp decline in the number of various surviving closed communities in the United States in the XIX century happens after 10, 20, 40, 60 and 80 years of their existence. The figures change periodically directly in these periods of time. (See: Markov, 2013, p. 447). The period of existence of religious communities is longer than others. It is also understandable. Single religion is the unity of the core values. The more people believe in it, the closer are their core values, and the better is the impact of their egregor on the behavior, actions and activities of this group of persons. And to provide a longer duration this activity should "sit" on a cosmic cycle.

How does the sense of a human being change depending on the passionate or subpassionate period defined by cycles of motion of Jupiter and Saturn across the sky? It's very individual, depending on age, culture, country, generation of the elite and other factors. It is known that in Russia collectivism and sociability are more valued. Is it possible that during the growth of unity in action our happiness increases? Yes, it is.

Graphic of the dynamics of the subjective attitude towards happiness in Russia



Source: *World Value Survey*

But this is true for the younger generation. Seniors carry the sense of loss of the past in their unconscious. And yet, at the time of the approach of the planets on a straight line with Jupiter and Saturn and also at the time of closest approach in orbit the level of happiness grows in Russia. For example, as it happens with GDP. Russia's population is traditionally very sensitive to soft power and to the experiences of others, as well as to solar activity and alterations in other cosmic forces. All the Russian revolutions occurred at the peak of solar activity. We sensitively capture the rhythms of the cosmos. However, it is typical for the population of most countries.

Currently the concept of equilibrium and non-equilibrium state is increasingly applied (see: Ostapov V.V, 2014). It became the methodological basis of many theories, not only in the field of physics, chemistry, etc., but also in the fields of psychology, psychiatry (see: Alexandrovskiy Y.A, 2012). The gist of it is simple and clear. For every physical body there are different forces. Action force equals to the force of resistance. If the forces are equal, the body is at rest. If some force is more than the opposite one the movement begins. Movement will be as long as the force is not balanced. Equalization makes the movement cease. The reason for any movement, any change is in an effort to get rid of the imbalance. Hence, to understand the cause of the movement broadly the changes should be associated with pre-existing disequilibrium, where and in what it is showed. With regard to the influence of the gravitational force on the planet there are these forces. If the planet is trapped between two other celestial bodies, it will be the "torn apart" by the force of attraction of these two

celestial bodies. From here the balance between the pressure inside the planet and the power of attraction is set, which until then balanced these forces that did not allow the lava to break out under pressure from the center of the Earth. If so, then the planet will begin to erupt volcanoes (pressure inside the mantle is stronger than the mantle power that held the lava power before inside of the planet), the earthquakes start, the tsunami may be formed as well as other things. With this approach, the causes of earthquakes and their strength begin to be linked to situations of gravitational "disembowelment" of the Earth. And somehow the misunderstanding disappears with the causes of these phenomena. They are started to be associated with the location of the planets and cosmic factors. Patina of mystery and obscurity of astrology disappears. And in these areas the science and scientific prediction takes place.

The concept of equilibrium and especially the equilibrium in psychology and physiology has the particular significance.

According to Alexandrovskiy Y.A: "Life terminates when the "non-equilibrium state" ends and then comes complete harmony with the environment." (Y.A Alexandrovskiy. Condition of the psychological maladjustment and neurotic disorders, 2012, p. 33). But the non-equilibrium state of the body and the mind is associated by psychiatrists and psychologists with the growth of maladjustment, mental health problems and with neurotic disorders. Stock markets and fund markets pass the same periods and moments of state of equilibrium and disequilibrium in their development. With the growth of the non-equilibrium state of the market the non-equilibrium state of mind of the participants also grows. And if so then the degree of maladjustment increases along with the neuroticism of the market players who have more active form which is accentuated with personality traits. One (non-equilibrium state of the market) inevitably creates another non-equilibrium state of mind of the participants. The same happens vice versa. Market participants gradually become different with the growth of the non-equilibrium state of the market and with the growth of contradictions, distortions in the financial sector in the economy. What came first: the mental imbalance in state of the market people or imbalance in the economy and finance? The whole point is that one implies the other. One creates the opposite. If there is an imbalance in the mind, it tends to equilibrate movements and activities. If there is accentuation, that is unusually severe personality trait, it tends to manifest itself in the activities of life. If these are personalities with paranoiac accentuation, then inevitably they will seek to articulate a definite purpose and activities and to concentrate all their efforts on achieving it. They will get pleasure from it. Nature is so clever that the preconditions of such accentuation are given in people at the level of genetics. We have laid a predisposition to a variety of disequilibrium. It is simply impossible to avoid them in life. Imbalance in the mind creates an imbalance in the physical world (something modifies, moves, transforms ...). Imbalance in the physical world forces people to change (to save from storms, floods, collect harvest for the year, and others.). So, what is primary and what is secondary is hard to say. One involves another. And if there are imbalances in the market, they change those people who they deal with. If there is an imbalance in the psyche of the people, they affect the state of the market, and it leads them to the non-equilibrium state, including crises. Non-equilibrium state of mind can suddenly increase. And it certainly manifests in human activity. First and foremost we have to mention the type of the activity. If people have even a little difference, and there is a non-equilibrium state of mind as well as maladjustment and neurosis, then they will splash through their activity, through their decisions in their earthly affairs. This maladjustment and neurosis come from Cosmos. It changes people on a massive scale, unnoticed, because cosmic forces for the most part belong to the category of soft ones. These include modifications of solar activity and the change of gravity. Both these factors bring the irregularity in the psycho of people. Our psycho changes from these factors gradually and unnoticeable for consciousness. These changes are manifested in the activity of people with the greatest regularity. This can be a science (in the period of solar activity it increases). This may be a political activity, sexual activity, the adoption of certain decisions. Any decisions. It also concerns markets. But this dependence is manifested more statistically, for example among people. And the particular person can cause the results which are opposite to the general statistical trends. Some creative activity increases with an increase of solar radiation, and in other spheres it is at the same time dramatically decreasing. We are different, and sometimes opposite respond to the same environmental factors. Amazing dependency: when something in the environment (temperature, pressure, solar activity, etc.) is changed, this affects the decisions of people, the mental activity; it is in a non-equilibrium state of our psyche. Non-equilibrium state of our mind can be strengthened from the different environments including markets. Our solutions become different.

So naturally when a non-equilibrium state of mind of people happens because of cosmos, it is an internal imbalance that translates into the environment through our activities. Market participants translate these factors into solutions that lead to the non-equilibrium state of the market itself. Its extreme values are clear: the mentally abnormal people will adopt similar solutions on the market if they play at them. This is understandable. But the fact that normal people make decisions that lead to the market disequilibrium and "shake" it we perceive with difficulty. And it just squeezed out of our consciousness. And it happens for good reason. The fact is that our normality fluctuates. It varies with the change of generations, it varies at different levels of solar activity, it varies from the change in the force of gravity, it varies with the changing moods of

the wife (husband), boss, etc. We by nature are in a state of disequilibrium. This is our life. Otherwise we can not exist biologically. So we are meeting their needs. That is all.

Persons of one psychotype who are involved in one type of activity are declined to react on the disequilibrium environment and it often happens the same way. Hence the adoption of similar solutions is typical for the growth of certain disequilibrium environment. We take it for granted that when a cold snap starts we dress warmer and talk more about the weather. It's obvious. Also there is a great number of such varieties. People perceive the disequilibrium not directly, but through their updated requirements. Young people can keep from talking about the cold weather even if the winter is deadly cold, but the opposite sex could be the subject of discussion. That's right. But in general, the explicit dependence was an imbalance. The main thing is when the action begins to address this imbalance. If the actions are correct the imbalance disappears. If not then the imbalance may even increase. Why does it grow? Because the wrong model of reality comes from what we have in mind, and a model of the world is inaccurate because of this thought. They no longer reflect the things hidden in reality. The wrong thoughts can lead to an increase in disequilibrium through our particular situation which does not have an adequate action. And one psychotype of people employs one activity while there are wrong thoughts in certain aspects that can begin to occur synchronously. This happens due to imitation and suggestion as well as because of the presence of one egregor, and due to the fact that our mind has the features of a collective. Hence the error in the presence of disequilibrium begins to make the same type sometimes. Not always. More often it happens, when the power of the group of professionals belongs to the social motivators-postpostresonants. But the presence of the period when the decisions are made by resonators and when they are as objective as possible, they take into account the imbalance of the environment and eliminate it, and this fact should not mislead us. This does not always happen, not at all. And we complain ourselves that we live with our minds and dispassionate decisions. Alas. Emotions and irrationality overwhelm us. They also fill the minds of market participants. Their decisions are imposed by market in a non-equilibrium state. These solutions are remarkably synchronous. We usually lose our minds together. It is funnier, more comfortable, more relaxed. These mechanisms are activated in the markets where the psycho-type of participants varies due to the change of generations of the economically active population, and due to the number of cosmic reasons.

Gravity-magnetic fields make disequilibrium in our earthly life.

In modern science, there is enough reliable data about the effect of gravity and magnetic fields on our psyche. At different moments of cosmic cycles we are different, and it is reflected in our decisions in all areas of life. Economy is not the exception. The level of accumulated knowledge is such that allows us to understand a number of causal links between cosmic phenomena and psycho-emotional processes that take place in the society. This knowledge is important for understanding the behavior of stock market participants at the beginning of the crisis.

They way the cosmic forces influence on what is happening in the world depends on the relative positions of the planets with the dominant role of the giant planets, as well as on the place that holds the Earth in this ensemble. You can select multiple situations to which you should pay attention.

- Jupiter and Saturn are in opposition, and the Sun is between them.
- Jupiter and Saturn conjunct in line with the Sun. The Sun outrages more if it is on the side of the Giants and the other planets are grouped together to form a configuration of "bowl" or lining up in a single line.
- Earth or other planets in line with Saturn and Jupiter.