

Научный центр БЭМКОН

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**Psychoeconomics:
globalization, markets, crisis**



18+

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This book is about the facts of fundamental dependency between the mankind development and cosmic energies: both electromagnetic and non-electromagnetic ones. The dependency of people's emotional state on the Earth's rotational velocity and magnetic sphere permits a more precise prognosis of the change in capital markets on the scale of decades, years, months, days, and minutes. For those who are used to think independently.

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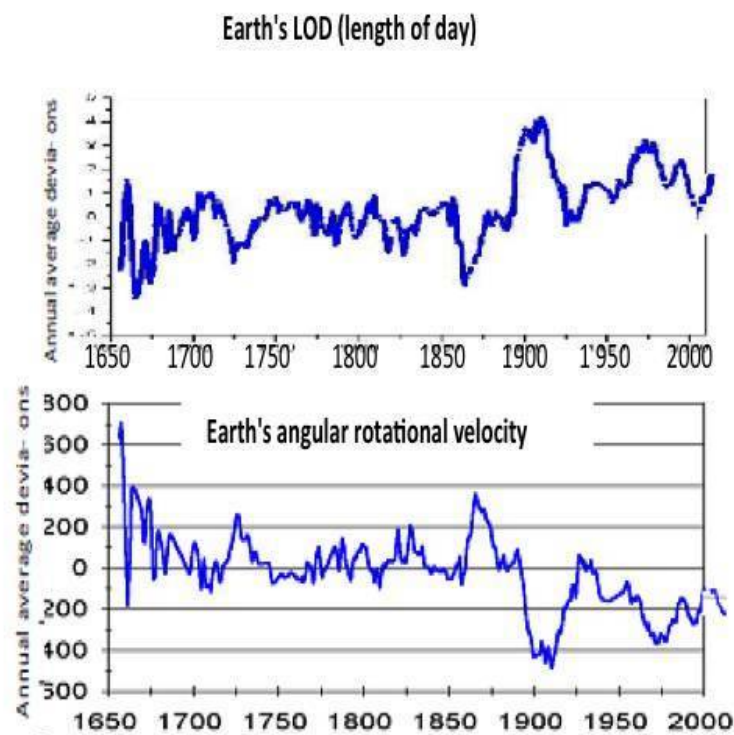
Introduction

For decades, research centers were systematically studying the human changes in the process of practical, as well as industrial, activity, considering the factors of cosmic activity. The results of these studies are presented in books, lectures, articles and presentations made by the leaders and employees of these scientific centers: <http://biruch.ru/>, <http://bemkon.ru/>, <http://www.sc-bemkon.com/>.

The essence of this concept is that the periodicity of socioeconomic development is related to the cyclical nature of the change in the psychotypes of people, and the cyclical nature of solar activity, of the Earth's rotational velocity. It is about the facts of fundamental dependency between the mankind development and cosmic energies: both electromagnetic and non-electromagnetic ones.

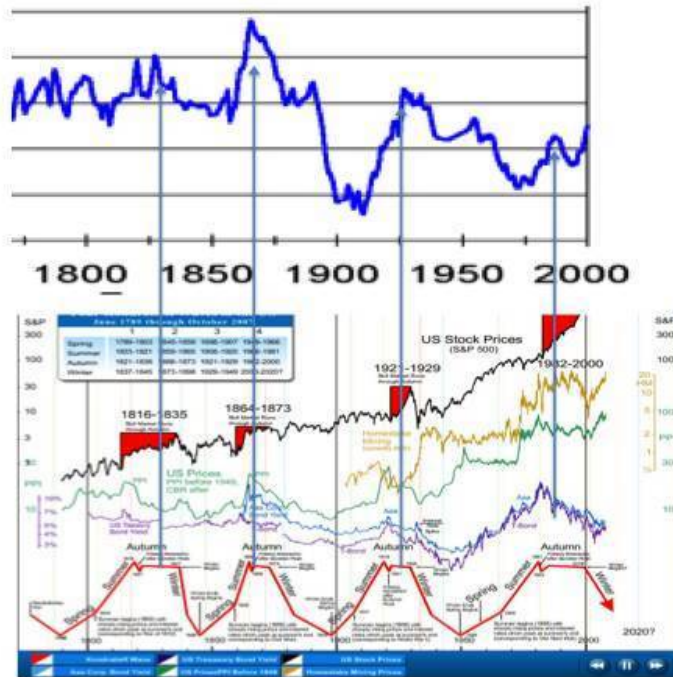
Chapter 1. On psycho-cosmological studies and obtained scientific results

Consider that the length of day (LOD) graph is symmetrically opposite to the graph of the Earth's angular rotational velocity. According to LOD, slowdown of the Earth's rotational velocity is associated with the longer duration of the Earth's day.



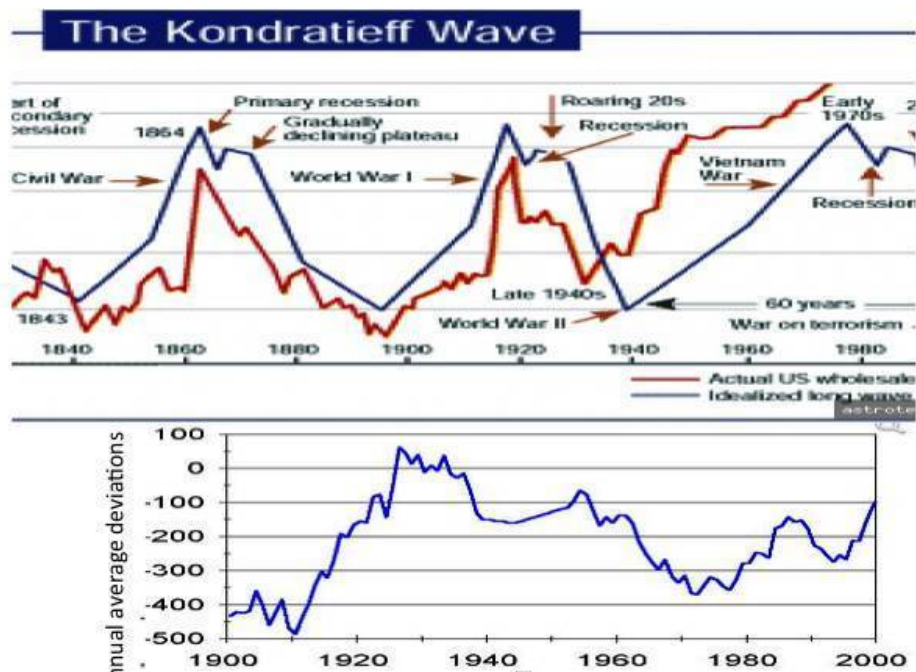
The figure shows the value change over time for the 1650 – 2000 period. (see V.D. Kokurov).

The Earth's angular rotational velocity and Kondratieff cycles



<http://dewinforex.com/images/kondr-cycles-4.jpg>

The Earth's angular rotational velocity and Kondratieff cycles with the displacement in 30 years

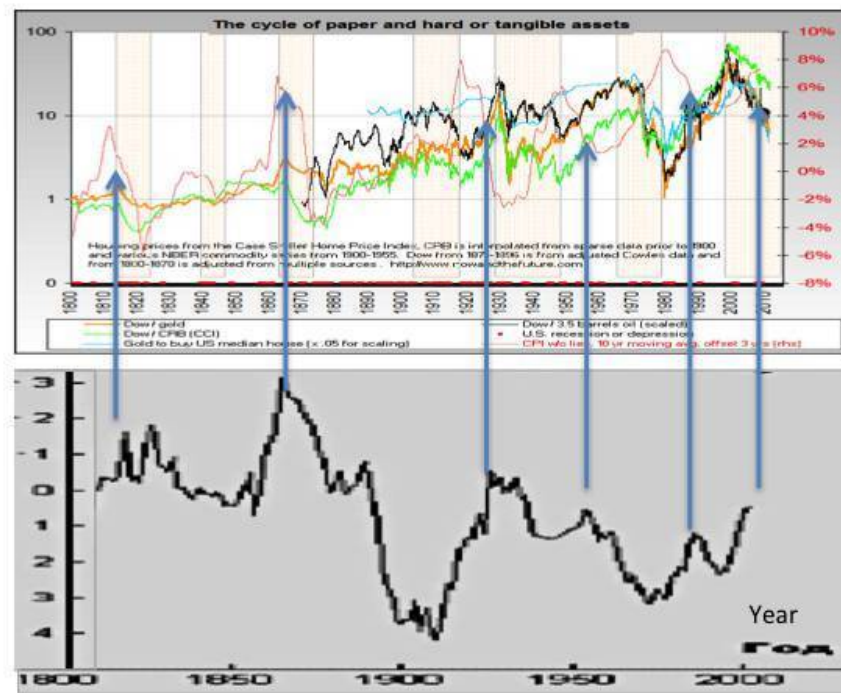


www.wikireading.ru/img/388787_13_i_016.jpg

Let us combine them with the well-known graphs of economists.

All fundamental economic and socio-political processes are visually related to these graphs.

Fundamental economic indicators of the USA development and the Earth's rotational velocity



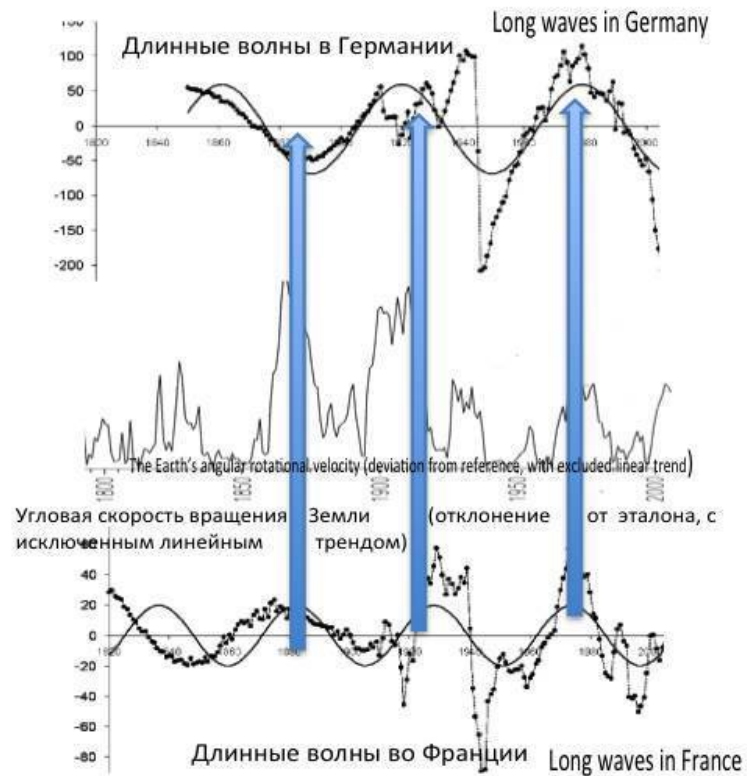
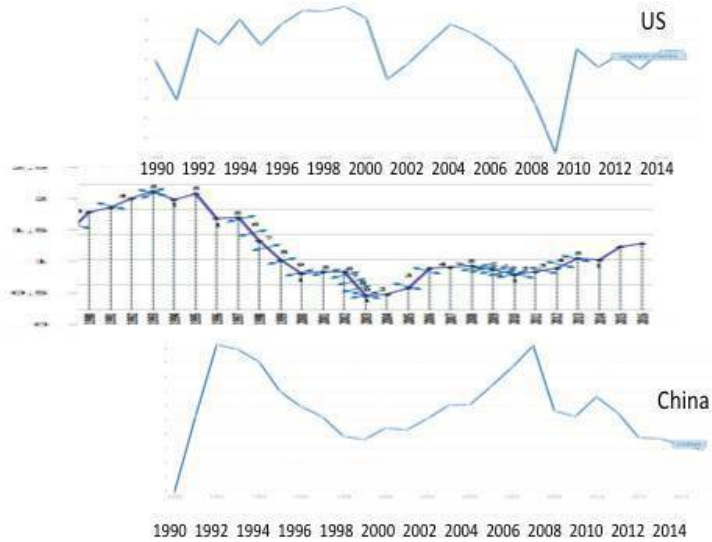
http://nowandfutures.com/key_stats.html

The system of such graphs has been obtained for different countries and for different economic and financial indicators. It leaves no doubt that the Earth's rotational velocity reflects powerful cosmic energies.

It was discovered that different countries respond to cosmic energies differently. In terms of GDP growth rates, all countries are divided into those whose GDP grows with the slowdown of the Earth's rotational velocity, and those whose GDP grows with the growth of the Earth's rotational velocity.

Rates of GDP growth for China, the United States in 1990-2015 and the Earth's rotational velocity (LOD) with the displacement in 4 years

Темпы роста ВВП Китая, США в 1990 – 2015 годах и скорость вращения Земли (LOD) со сдвигом на 4 года



The graphs of long waves, cycles of economic development are taken from the book “Kondratiev waves: aspects and prospects”. Volgograd, 2012. – 384 p.

The growth rates of GDP in the US, China and the Earth's rotation speed

Темпы роста ВВП и LOD Земли

Годы	World	United States	China	LOD
1962	5,56	6,1	-5,58	1,305195
1963	5,21	4,4	10,3	1,525844
1964	6,6	5,8	18,18	1,945358
1965	5,56	6,4	16,95	2,195786
1966	5,79	6,5	10,65	2,432175
1967	4,42	2,5	-5,7	2,365488
1968	6,19	4,8	-4,1	2,48579
1969	6,13	3,1	16,94	2,671658
1970	4,68	3,2	19,3	2,709299
1971	4,31	3,29	7,06	2,905351
1972	5,76	5,26	3,8	3,125172
1973	6,54	5,64	7,76	3,047793646
1974	1,99	-0,52	2,31	2,717790137
1975	0,77	-0,19	8,72	2,687301096
1976	5,36	5,38	-1,57	2,908930055
1977	4,01	4,61	7,57	2,77424
1978	3,99	5,56	11,67	2,8817
1979	4,14	3,17	7,6	2,61102
1980	1,95	-0,24	7,80	2,30065

1981	1,92	2,59	5,17	2,1535
1982	0,36	-1,91	8,93	2,1634
1983	2,40	4,63	10,84	2,2797
1984	4,53	7,26	15,14	1,5148
1985	3,87	4,24	13,44	1,44885
1986	3,31	3,51	8,94	1,23578
1987	3,57	3,46	11,69	1,36259
1988	4,65	4,20	11,23	1,31229
1989	3,75	3,68	4,18	1,52055
1990	3,00	1,92	3,91	1,9453
1991	1,43	-0,07	9,29	2,03804
1992	1,78	3,55	14,22	2,21925
1993	1,63	2,74	13,87	2,3635
1994	3,01	4,04	13,05	2,1941
1995	3,05	2,72	10,95	2,31114
1996	3,38	3,79	9,93	1,82069
1997	3,71	4,49	9,23	1,83858
1998	2,52	4,45	7,84	1,3746
1999	3,26	4,68	7,67	0,98957
2000	4,39	4,09	8,49	0,71699

2001	1,92	0,97	8,34	0,5724
2002	2,15	1,79	9,13	0,47575
2003	2,90	2,80	10,03	0,266545
2004	4,45	3,78	10,11	0,3115
2005	3,84	3,34	11,39	0,43221
2006	4,31	2,67	12,72	0,813357
2007	4,25	1,78	14,23	0,84239
2008	1,82	-0,29	9,65	0,866929
2009	-1,74	-2,77	9,4	0,80375
2010	4,32	2,53	10,64	0,6979
2011	3,18	1,60	9,54	0,76147
2012	2,45	2,22	7,86	0,83091
2013	2,63	1,68	7,76	1,0246
2014	2,86	2,57	7,3	0,9944
2015	2,83	2,86	6,90	1,2549
2016	2,49	1,48	6,69	1,34025

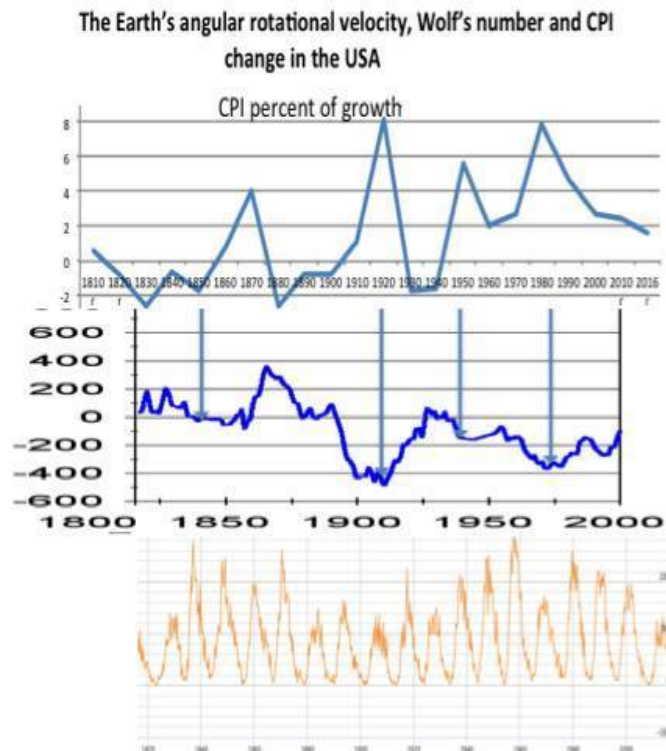
**The correlation coefficients between the GDP growth rates
of the US, China and LOD of the Earth**

**Коэффициенты корреляции между темпами роста ВВП и
LOD Земли без сдвига и со сдвигом по годам**

Data shift Смещение данных	China	USA	World
Нет - 0	Китай	США	Весь мир
1 год	-0,115	0,2176	0,246
2 года	-0,124	0,200	0,291
3 года	-0,1243	0,2008	0,355
4 года	-0,169	0,2079	0,402
5 лет	-0,223	0,230	0,439
6 лет	-0,207	0,26	0,488
7 лет	-0,174	0,295	0,514
8 лет	-0,135	0,294	0,516
9 лет	-0,092	0,280	0,519
10 лет	-0,121	0,30	0,567
11 лет	-0,143	0,311	0,552
12 лет	-0,153	0,282	0,513
	-0,059	0,258	0,469

Generalized indicator of economic growth, which is associated with other economic indicators, is the CPI (Consumer Price Index).

Here are the data for the time available for the Earth's rotational speed, for changes in the value of the consumer basket, i.e. the CPI (percentage related to the previous year), and solar activity. These data are from the beginning of the XIX century.



The CPI value is taken as an average of a decade. Graph of the CPI changes (mean per decade) accurately rests on the chart of the Earth's angular velocity. Lack of the cosmic ether – the high is price of the consumer basket. The reason is the low productivity due to low physiological, mental, intellectual capabilities of people. In this case, the measurement step in 10 years smooths the data on changes in the cosmic ether density under the influence of the various planets and by changing the direction of spin of the ether flows. With this step of the measurement charts do not need offset for a few years.

Growth of gravity-spin energy leads to increase of the efficiency of industry. And it is not only in our millennium. This is how society was changing throughout history. Greek cities grew more intense in the decline of temperature, which is an indirect sign of entry of Earth more powerful cosmic ether vortices. (The breath of history, pp. 488-495). We are developing rapidly under the influence of non-electromagnetic cosmic energies. And what about Sun? It is important, that we not die of starvation due to the termination of the growth of vegetation. If there is not enough solar energy – cereals do not grow – here comes death from starvation. But if there is some minimum of solar energy for food security, then the development is more dependent on the density of the cosmic ether. The combination of these two cosmic energies is important and determines the features of the development we have at a given point in history (N. Konuhov, 2016b).

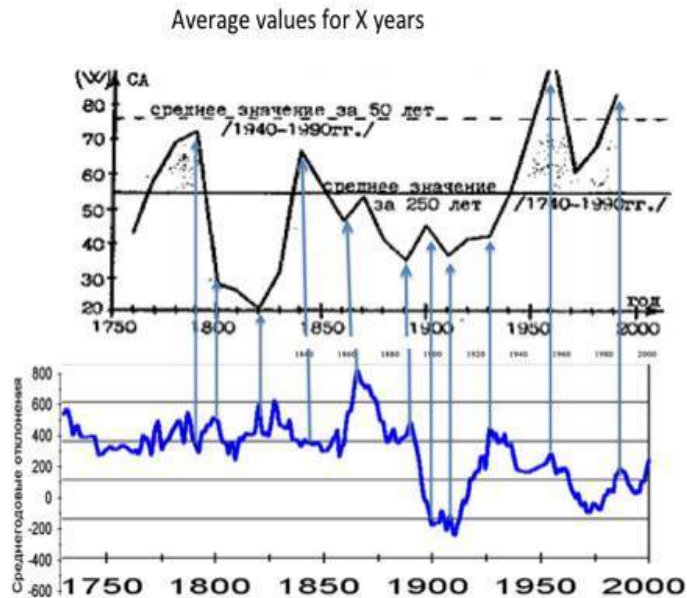
Relationships between of solar activity and cosmic non-electromagnetic energies are of probabilistic character. If we take a typical graphs of ratio of the Wolf's numbers and the various features of non-electromagnetic cosmic energy, then this relationship is difficult to see.

L. Konstantinovskaya shows resulting chart with a different visualization of the solar radiation data – there is a *deviation from the mean* for all years. The dependence of the two kinds of cosmic energies become visible. http://www.astronom2000.info/wp-content/uploads/2011/06/7_6.gif

The points of change in a sign of the Earth's rotational acceleration are at the same time the points of changing in the intensity of solar radiation for decades and centuries.

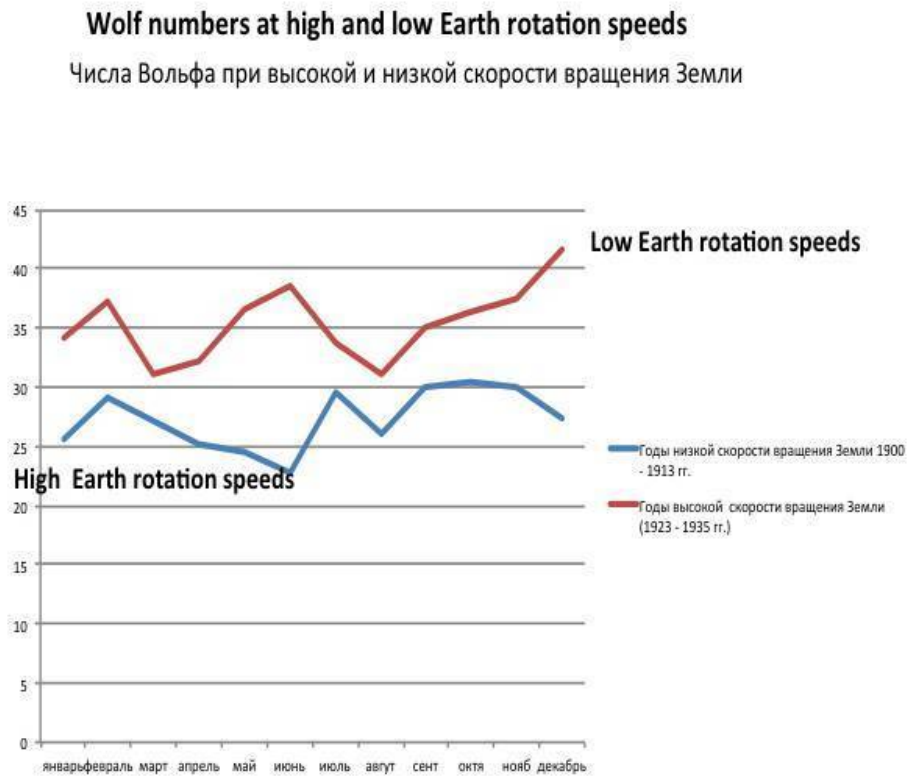
The points of change in a sign of the Earth's rotational acceleration are at the same time the points of changing in the intensity of solar radiation for decades and centuries.

The Earth's rotational velocity and the Wolf's number calculated as deviation from the mean



Notice, how the combination of turns in the Earth's rotational speed and intensity of solar radiation is consistent. The low values of solar intensity on turns are consistent with high values in turns of gravity-spin energies, energies of the cosmic ether. It is the ratio of these energies had been substantiated by V. Dyatlov through the law of the full electromagnetic and gravity-spin currents. According to his calculations, the gravity-spin energy growth is combined with falling of electromagnetic energy if we are talking about a separate cosmic system. In his terminology it is vacuum domain. But it is on the scale of centuries.

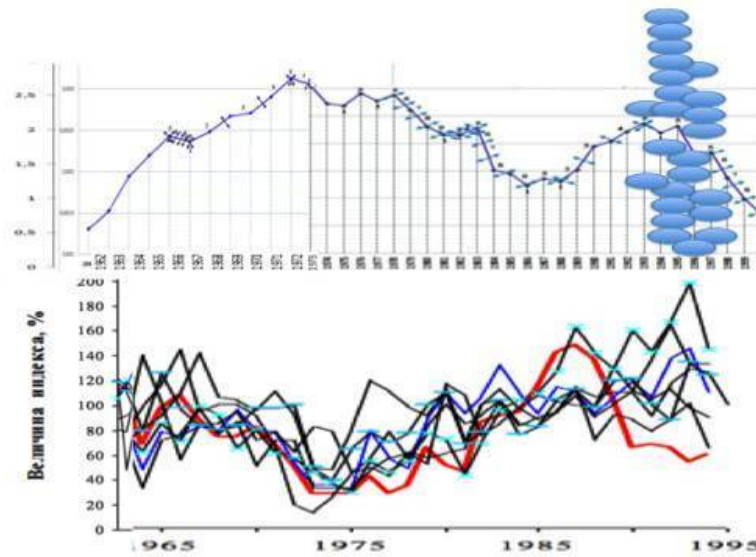
Similar dependencies exist on other scales.



For groups of people examined at different stages of the day and annual cycles the following data were obtained: EEG (electroencephalogram), ECG (electrocardiogram), solved test results, including those that diagnose intellectual qualities, personality traits, unconscious activity (Smirnov's technique etc.). This made it possible to predict changes in people at the change of the Earth's rotational velocity, at a certain arrangement of planets (which is related to the Earth's rotational velocity). This manifests itself in economic growth, in the growth of people's physiological activity and even biota, particularly in growth of tree rings.

Yu. P. Demakov discovered two tree clusters: one of them grows better at the growth of the Earth's rotational velocity, whereas the other – at its slowdown. GDP growth rates of different countries, achievements of athletes are similarly divided into two clusters, two groups.

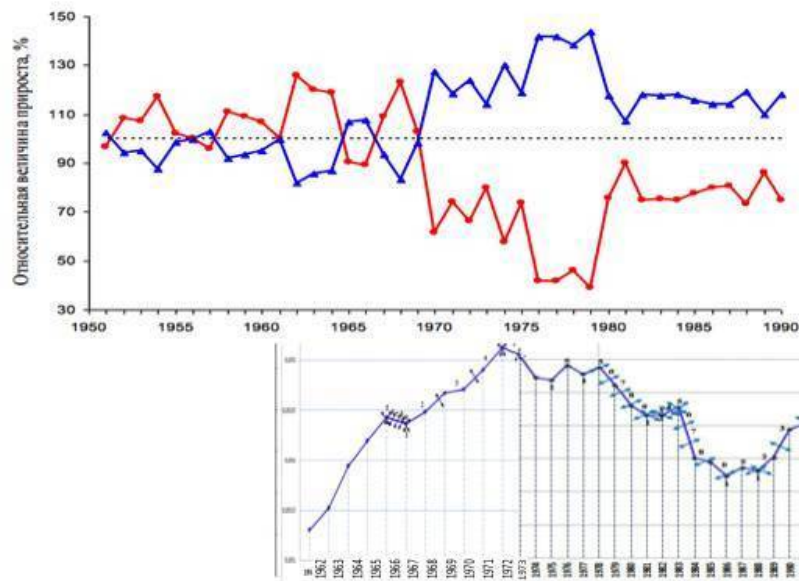
Years of the set historical records in weightlifting and tree-ring gain according to U.P. Demakov



<http://csfm.volgatech.net/presentation/Demakov.pdf>

Fir tree gain of various clusters (according to U.P. Demakov) and Earth LOD

Dynamics of a relative value of a radial gain of fir trees of various clusters in a complex inundated plantation



The Earth's rotational velocity is related to many diverse indicators, which are measured by statistics.

Next, we analyze solar activity, but we take into account its relationship with the Earth's rotation speed.

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Chapter 2. Psychotypological changes in the elite, the economically active population as an influential factor in socioeconomic processes in the world

Society develops erratically. At more critical and stressful points of development, people's psyches stretch and are overstretched. And it happens that those in the middle of such stress exert the greatest effect on the environment at critical times of social development. This usually means people with accentuation characteristics. Most of the Russian tsars, according to the psychiatrist A. Kovalevsky, were people with traits that deviated from the norm. Most of successful prominent managers in Russia, according to the research of S. Epifantsev, have traits of accentuation. Cesare Lombroso's opinion about talented people likewise concerns the fact that they are, to a great degree, accentuated, and frequently with psychological deviations. People have various personality traits, in some languages the number of them is in the tens of thousands. But what is amazing, regardless of the historical period in a state of stress or overstress, is that people arrive at the same deviations from the norm. These deviations and the typology of people with psychological deviations are studied by psychiatrists. In our research, the analysis does not concern psychotypes with psychological deviations, but rather the variable personality traits and their typology. But these variable personality traits are often grouped in clusters that are close to psychological deviations. These are often accentuated people.

2.1. Basic psychological terms

Terms and their meanings are the language of science. Without a precise language it is impossible to communicate ideas precisely and clearly.

Considering the inclusion of English-speaking scholars in the discussion, an English translation of the definitions of terms is presented.

Hysteroïd accentuation – a type of accentuation where the personality at the level of dynamic stereotypes is increasingly emotional, impressionable, “high strung”, and loves the attention of people and cannot be without it. In the process of practical work, he may attract attention to himself by committing acts that others will not commit (such as to pitch some idea, then unexpectedly swear at someone, then compliment them, then not agree to something, then complain to an older supervisor in front of everyone, etc.). And these actions are dictated less by the substance of the problem than by an unconscious wish to attract attention. The hysteroïd type of accentuations or the demonstrative type strive for attention and acknowledgement by those around him by any means available.

Paranoïac accentuation – the psychotype of a person for whom it is characteristic to strive toward a goal, at times to the detriment of those around him. The main characteristics of such people are their difficulties in controlling the strong emotional reactions that occur, and stability, perseverance, single-mindedness, and the presence of persistent orientation to attaining goals (at times without any good reason), right up to formation of predominant ideas or relationships. Most successful business leaders are accentuated paranoïacally. Their predominant idea is to start the ball rolling, get to work. The paranoïac or “trapped” type of accentuations are stuck on something under the influence of a “predominant idea”.

Resonant psychotype – one of the basic psychotypes of the gainfully employed population, which ensures the success of the society and of the people in a given historical epoch, in given types of activity or in a given specific circumstance... Usually these are domain experts, frequently with traces of paranoia.

Postresonant psychotype – a type of person who imitates the resonant psychotypes and learns from them. Usually these are social motivators, often with traces of obsessiveness.

Post-postresonant psychotype – a psychotype which psychologically and logically comes to replace the postresonant psychotype. Most often these are social motivators, often with traces of hysteria.

“Domain expert” metaprogram – a psychotype and simultaneously a strategy for satisfying a human need, conditioned by the presence of corresponding systems of dynamic stereotypes, through analyzing and managing technological processes, owing to personal work in an activity whose purpose is domain specific (image, object, process etc.).

“Social motivator” metaprogram – a psychotype and at the same time a strategy for satisfying human needs, conditioned by the presence of corresponding systems of dynamic stereotypes, through analyzing and managing other people, and through personal work or activity in a system of interpersonal relations, whose aim is related to forming needed motivation or behavior of other people.

People change under the influence of social and natural factors, including solar activity. At certain peaks of solar activity, people can become highly agitated and particularly emotional. They become increasingly hysteroid and psychopathic.

All of the Russian revolutions (1905, 1917, 1991) coincided with solar peaks that were the largest in a decade.

Revolution	Comparative Wolf number for the year	There had not been such a peak before the revolution since	There had not been such a peak after the revolution	The most intensive solar radiation for
1905	63.5	1895	Pre-1916	22 years
1917	104	1871 (The Paris Commune)	Before 1937 (Mass repressions in Russia)	66 years
1991	1991 – 145.7 1990 – 142.6 1989 – 157,6 Three years in a row	1979 (drawn into the Afghan war)	No data yet	At this point more than 30 years

In years of solar tranquility, the average annual number of such sunspots is small – 10 – 20.

Peaks of solar activity are also peaks of social protest and revolution. Social roles that had previously been accepted (stable social dynamic stereotypes) – were swept away. Society was ready to accept new roles, to begin to live according to new customs, traditions, and laws. In the language of the physiology of higher nervous function, the apparatus for closing and opening nerve impulse circuits has succumbed to change to a much greater degree than usual.

People are capable of behaving and changing their dynamic stereotypes to a much greater degree than usual. The influence of hysteroids and psychopathic personalities automatically becomes stronger and more relevant. They have higher sociometric ratings and exert a more effective influence on those around them than usual. Revolution, for the hysteroids that take part in it, frequently becomes the moment of their fullest emotional satisfaction – on the barricades, at the center of attention, all in one emotional outburst... Even actors don't get such an emotional outburst on the stage.

One might counter that not all peaks of solar activity end up in revolutions. True enough. Several peaks of solar activity have not ended up in revolution in Russia.

There are two exceptions: 1991 (the incursion of troops into Afghanistan) and 1957–1958. The entry into Afghanistan turned the agitation of people and their heightened psychopathy into an emotion about “fulfilling international obligation”. Nevertheless the decision itself was in large measure impulsive.

But the period from 1957 to 1958 deserves a separate analysis. The atypical behavior of the Soviet people must be explained by the fact that after the war everyone got used to being compliant, and firm dynamic stereotypes were engineered to obey orders and meet the demands of the powerful agencies, while at the same time (!) the functioning of the apparatus opening and closing conditioned reflexes became more active. This suffices to minimize the effect of the Sun for up to 20 years. That is on the one hand.

On the other hand, the influence of the country's authorities on the people was emotionalized. The people were emotionalized. The accumulated psychopathic energy poured out into emotions because of the denouncing of Stalin's personality cult, the launch of the first sputnik, the World Youth Festival, the construction of new housing – “khrushchevki” and so on and so forth. Steam was let off with the help of these and other events.

Rates of economic development (N. Kondratiev curve) are linked to solar activity.

Of the 12 peaks of solar activity since 1870, in 8 cases economic development slowed after peak solar activity passed, and at each stage of growth of the Kondratiev cycle, a peak of solar activity preceded maximization.

An economically active population first becomes increasingly emotional, then returns to a normal state. In the normal state, the economic laws discovered by science are active. In a psychopathic state of the population and the subjects of economic activity, they are deformed depending on the degree of psychopathization of both the economically active population as well as the elite.

2.2. Causes of the crisis today: analogies in the past

The wavelike change in people's psychotypes and the economically active population is superimposed on the wavelike change in the quality of the elite. In countries that are developing under the influence of endogenous factors, that is, that depend on the influence of neighboring countries and external factors to a lesser degree than others, the quality of the elite changes radically in the span of three generations. Studies by F. Braudel and other scholars show that it has happened like this for millennia.

The psychotypes of the elite and economically active population are multifaceted. Let's take just one facet: the relationship between "domain experts" and "social motivators". People think with metaprograms.

The "social motivator" is oriented toward the opinion of other people, while the "domain expert", when making a decision, is oriented toward technological processes, which he tries to manage.

The "social motivator" is oriented toward the opinion of other people, while the "domain expert", when making a decision, is oriented toward technological processes, which he tries to manage.

The role and significance of domain experts and social motivators has fluctuated throughout history.

In this respect there is the study by Y.A. Van Houtte, which finds a pendular movement of industry between cities, towns and villages throughout the Netherlands from the Middle Ages to the eighteenth century. Initially, industry in the Netherlands was scattered through the villages. In the thirteenth and fourteenth centuries, industry began to migrate to the cities. After the long depression of 1350–1450, villages were again deluged with tradesmen. Guilds no longer satisfied them, and labor costs became more expensive in the city. But in the workshops it was primarily the "social motivators" who occupied the leading position in their management – people who were able to unify others and force them to make cooperative sacrifices for common goals.

In the sixteenth century, according to Van Houtte, cities again became attractive for Dutch tradesmen, while in the seventeenth century, the village again attracted the tradesmen. Van Houtte explains this migration in terms of the level of taxation. –But taxes are more often imposed by "social motivators" and not by "domain experts".

This is generally true for any unorganized backgrounds and associations of people. Real democracy is replaced in time by the management by "social motivators". Eventually this management leads to oppression of "domain experts", and then, to conflict with them. Without a certain number of "domain experts," the "social motivators" have nothing to do, no one to exploit, and thus they need to create the conditions that would attract "domain experts" to them again.

On the whole, this oscillating interaction of "social motivators" and "domain experts" has enabled a more tempestuous development of society. This much is clear: this is how compromising conditions of coexistence, an optimal social and economic structure of society, are more quickly worked out between "domain experts" and "social motivators". In the Netherlands, this oscillating movement of the tradesmen generally enabled growth of labor productivity and the development of industrial relations. This correlates with Holland's intensive development in those years.

The relationship between "domain experts" and "social motivators", their oscillating rotation, is likewise the basis of the rotation of the main centers of economic development. Thus, in the Middle Ages there was a competition for primacy in the system of economic relations between Genoa and Venice. Loss of the leadership positions by these city-states was frequently associated with one of the groups of "social motivators" coming into power. As a rule, social motivators come to power under the guise of democracy. This period of exceptional activity of the "social motivators" is a period of intensive development of democracy. But then the "social motivators" have to either lose power under the pressure of the masses, or cede it to the "domain experts".

The first-generation elite is substantive, objective. The second generation of the elite is filled with social motivators. Without the difficulties that temper it, without the struggle for domination, without reinvention, the third-generation elite becomes emotionalized, hysteroid, and loses the ability to manage society effectively.

This logic of elite formation is valid when the development of society proceeds more or less without conflict. At the same time, internal and external conflicts and problems can introduce large nuances into this development, up to the point of creating the necessary conditions for rapid

renovation of the elite, moving intelligent competent people into the elite to renew it, or rapid changes toward creating the necessary abilities in the existing elite.

The coupling of the type of elite and the type of economically active population in a country determines the basic socio-economic processes. Rates of economic development and the nature of relations between various social groups, political processes etc. depend on this. When the combination is detrimental, that is, when the third generation elite and the condition of the population when it mimics emotionalized, psychopathic people, a psychoeconomic crisis occurs.

History shows that this three-generational phenomenon has time limits. It may take up to a hundred years or more, and it may be shorter than 50 years. This does not depend just on the average lifespan (all else being equal, when lifespan increases, the time of three generations also increases on average). It also depends on social factors, on solar activity, on management decisions, on the personality shaping decisions on socioeconomic processes and on the decisions of the government and legislative agencies of the leading countries, and on a system of exogenous factors. The U.S. is a country where the degree of influence of external factors on development is much lower than in most other countries. And here this time interval is more indicative.

The strongest socioeconomic upheaval in the history of the U.S. (which coincided with a solar activity peak) was the Civil War of 1861-1865. The first-generation elite was formed as a result.

Prior to this, the first-generation elite was created during George Washington's administration (1789-1797). From the beginning of George Washington's presidency to the beginning of the US Civil War, 72 years passed.

The first-generation elite was formed anew as a result of the Civil War.

This elite grew out of the struggle, out of a violent civil war. At the top of the social hierarchy moved those who were more capable, but not more astute or successful in the system of interpersonal relationships. From the moment the U.S. Civil War began to the moment of the conclusion of the country's second most powerful socioeconomic conflict (the Great Depression of 1929-1933), 72 years passed. If we add that time to the year of the end of the Civil War in the U.S., we get 1937. This was just as critical a year for the U.S. in the opinion of modern economists. Now if we add 72 years to 1937, we get 2009. Although it is generally accepted that a world crisis began in 2008, nevertheless the coincidence of the numbers has a sacred character.

During wars, the succession of the elite psychotypes, the economically active population, and the development of the country obey slightly different laws.

The new first-generation elite in the U.S. likewise grew out of the flames of war. Let us add 72 years to 1945 (or perhaps to 1944, the Bretton Woods Conference). 2017 (plus or minus 3 years) is a time when by analogy with the past, sufficiently compelling reasons may arise to replace the existing elite of the US with a new cohort of people. But much depends on the development of the crisis that has begun and on the managerial decisions being made.

One can argue with these calculations. One can include the depression and crisis of 1873-1896. For this reason one can object that different countries have their endogenous cycles of psychoeconomic crises and that this depression is an example of the influence of Germany's development (which was in another cycle) on the US and other countries. This is an academic argument. For our purposes, it is important that countries that depend less than others in their development on the influence of neighboring countries have a more stable cycle in their development – three generations of elite and two to three generations of an economically active population. This affected all former world economic centers (Genoa, Antwerp, Amsterdam etc.). This affected the development of countries like the U.S. and U.S.S.R., that is, countries that depended on external factors less than others.

It is possible to insist that one must count from the conclusion of an event that serves as a sign of transition of government from one type of elite to another. We can and must maintain that wars deform the process. All this is true. In support of what has been claimed, it is interesting to note that

since 1917, when the Bolsheviks came into power in Russia, until 1991, when the now-ruling political powers, the elite, came into power, 74 years passed. One may also object by insisting on 1989, when the CPSS in power fell. Then we likewise obtain 72 years. We may talk about what the events are that our consciousness connects to the arrival of the new elite, the loss of power of one elite and its interception by another. But real changes occur more under the influence of cumulative causes, that is, a large aggregation of microreasons. In the historical process, much is accidental, which carries its own corrections to the effects of cumulative causes. However, the peaks of solar activity arise quite consistently at a 12-year interval (plus or minus 1-3 years).

On average the power of the third-generation elite passes to the first-generation elite under the influence of endogenous factors in 72 years. Wars, revolutions, and exogenous factors may deform these processes. Then the new cycle “becomes attached” to the regular cycle of solar activity, but the 72-year period amazingly stably proves itself in the cyclical development of history.

On the basis of this, two peaks of solar activity fall on the first-generation elite, two on the second-generation elite, and two on the third-generation elite. Seventy-two years are gone. Regarding the replacement of social motivators by domain experts (in our concept, not just domain experts, but special types, resonators), this coincides with a 24-year cycle. But the domination in business by people with traces of hysteroidism may simply not occur. They commonly are swept up by a violent competitive struggle, especially if a large, developing country is nearby. Enterprises under the management of psychopathic, hysteroidal people due to these unfavorable exogenous factors simply go bankrupt. This explains why Kondratiev cycles are somewhat different from a 72-year cycle. But by any interpretation, this is not less than 48 years.

The moment of increased solar activity does not usually mean a changeover of psychotypes' authority. It is an idiosyncratic indicator of the transition of influence of cumulative forces from supporting one psychotype to blocking its development. But by themselves these changes occur gradually, slowly, cumulatively. Suddenly they all begin to recognize that something in the system of socioeconomic relationships was not working out as required. The recognized contradictions begin to grow, authority built on certain psychological bases begins to crumble, and another authority arises.

With regard to resonators, they exist in any period of socioeconomic development. But here there arises a succession of them to become leaders in the new spiral of socioeconomic development. They increasingly begin to be aware of themselves and to feel the strength to dash into their activity (if they can catch the influence of cumulative causes). And after their peak of solar activity, this process speeds up. The psychophysiological causes are clear. In a period of solar activity, the mechanism of closing and opening conditioned reflexes, of changing the stereotypes of our thinking, works better. And by themselves the resonators, and importantly, those surrounding them, begin to understand capabilities of different population groups and their own capabilities, and to understand whom it is best to rely on. This benefits everyone.

But along comes a new peak of solar activity. Again the stereotypes of thinking begin to actively change. And gradually, cumulatively, people come together who understand that the efforts of the resonators may be improved by activation of external contacts, and not by searching for a new example, but by reproducing examples that are known to work well. This process accelerates at the next peak of solar activity. This is the first peak of solar activity for postresonators. At the second peak of solar activity, the feeling arises that everything is not going as wished.

Just as postresonators come to power, they are analogously replaced by post-postresonators. Or the economy of a given country is seized by the economically active subjects of other countries, and is ruined through competing with them. Sometimes this competition is blocked, such as by passing laws (e.g. 1933 in the U.S.) that introduce duties on imported goods. Sometimes it is simply blocked physically (e.g. the “Boston Tea Party” etc.) This tends to happen in countries that are leaders in military-political relationships.

Sometimes the elite in one or another government seems to have been appointed by the administration of another, more powerful government. The cycle will likewise be other than 72 years.

But on the whole, if we are talking about the effect of endogenous factors, altogether 72 years pass, and again a first-generation elite comes forth into the historical arena. But the moment of transition of power from the third-generation elite to the first-generation elite is usually hysterical, and often as not colored by bloodshed, especially if this occurs during special activity of the post-postresonators. The hysterical nature of the manifestation of the post-postresonators is polymorphous. One of these manifestations is the active inclusion of defensive reactions. Rational arguments are rejected with passion, vehemence, and they are hidden behind the denunciation of others...

But have there been more psychoeconomic crises like this? There is reason to suppose that the depression was one such, while in the opinion of some authors, the years 1873-1896 were also a crisis. U.S. economists have a somewhat different view of the boundaries of that depression, namely 1873-1879. But this is a more endogenous factor for Germany. For the U.S. it already possessed signs of being exogenous. Here, similar psychoeconomical dependencies appeared as with the crisis of 1929-1933. Leading to the market panic in 1873, bubbles in the real estate and property markets were inflated and there was a precipitous drop in share prices, etc. But the main evidence that the psychotypes of the economically active population had eventually changed in the direction of the appearance of an ever larger number of resonators is the change in the rates of development of the country. Germany leads in industrial growth. The average annual growth of industrial production in 1891-1913 in England was 2.1%, in the U.S., 4.12%, while in Germany, it was 4.2%. That is, cycles of economic development rooted in endogenous factors may be different in different countries and may not coincide.

It is amazing that the cycles described coincide with the period of cycles of development of humanity presented in the Book of Veles (Vedic religion).

In the Vedic calendar there are sacred numbers, including 144. In the Vedic periodization, a cycle occurs called the Circle of Life. This lasts 144 years. If we start from this premise, then 72 years is half the Circle of Life. It is not impossible that systemic changes in people's psychology are at the bottom and in a 144-year cycle, which is likewise connected with cycles of solar activity.

We notice that according to the Maya calendar (December 21) and the Vedic calendar, a new epoch begins in 2012 – the Age of Aquarius, which replaces the Piscean Age. With the change of epochs, new patterns in the interrelationships of psychotypes will appear. If we subtract 144 years from 2012, we get 1868. We can tentatively take this for the beginning cycle of social changes in the U.S. Typing in the combination “1868” and “USA” into the Internet, we get the answer.

The presidential elections in the U.S. in 1868 were the first after the Civil War, in which General Grant won in a landslide, with extension of the right to vote to former slaves. In that year an amendment to the Constitution of the United States was passed, which guarantees United States citizenship to all people born on its territory. There is something to reflect on, knowing the place of birth of U.S. President Obama and the polemics on this topic.

But we need these calculations more for the psychological, intuitive, sacred prompting of a very important year in the turning point of the crisis of 1929-1933: 1940 arrives.

To confirm the reasonableness of a similar conclusion, let us examine the chart of change in these years of unemployment in the U.S. –

http://upload.wikimedia.org/wikipedia/commons/5/58/US_Unemployment_1910-1960.gif

The total number of unemployed in 1933 reached 17 million people, which was a quarter of the country's entire workforce. So how can this year be considered the year the crisis ended?

But in 1939, qualitative reforms began in the U.S. economy and the pre-crisis level of industrial production was reached. However, American economists themselves are better able to speak about this. “Government policy adopted after the Great Depression gave birth to a new economic order... During the war, government expenses reached an unprecedented level. The country utilized all of

its production capacity and hired practically all working-age Americans. And although most of its energy was directed at satisfying military needs, the total level of production met the requirements of the society. By the end of the war most Americans who had lived through it found themselves in a more lucrative condition than before the war, and the Great Depression, undoubtedly, was over.” (see: [1], pp. 28-29).

A profound meaning is to be found in these words. What is full employment of the population, a full workload of industry? This is a time when resonators and domain experts are at the center of attention and everyone depends on them. Previously much, if not all, depended on “knocking out” orders, and on the system of selling the manufactured product (social motivators sell), on the preferences on the part of the government (the social motivators likewise tackle those), etc. During the war, in a period of full occupation and a guarantee of almost automatic sale of what was produced, the professional skills of those who can produce, namely the professionals and domain experts, come to the foreground.

A similar periodization of the Great Depression coincides with the opinion of many leading contemporary American economists: 1929-1939. This is important, since in acknowledging the analogy between the Great Depression and contemporary processes in the economy, it is psychologically easier and more scientifically precise to approach designating the date of end of the recession (?) that began in 2008.

Thus, the crisis, which it is common to designate as the crisis of 1929-1933, in fact stretched to the beginning of World War II. For the U.S. this was a crisis in the system of socioeconomic relationships, which usually precedes the accession to power of the resonators.

It is similar to the crisis in Rome during the reign of Nero, and to the crisis in the U.S.S.R. at the beginning of the 1990s, and to hundreds of similar crises which have passed, are passing, and will pass into history with the appearance of the third-generation elite in combination with strengthening the hysteroidal personality traits in workers and the economically active population, and when it is not possible for this elite to manage the system of socioeconomic contradictions by understanding the essence of what is taking place and adopting preemptive decisions. The defensive reactions of the elite or those who imitate them become an impediment on the path of responsible reforms. This is further exacerbated by the fact that upon departing from the historical stage, the third-generation elite is not in a condition to change its psychotype in the immediate situation and capture the leadership from the resonators or simply from sensibly thinking people.

This is one of the reasons that the successful elite should know how to change its psychotype to its opposite, in a pendular way. This is necessary for following oscillatory changes of the population’s psychotype and successfully managing them also through psychological mechanisms and through personal example, and not simply through reasoning or military strength. Since, when the psychotype of the elite does not “click” with the psychotype of the basic mass of the populace, the elite is simply dethroned. Naturally this process is preceded by that of the elite losing their usefulness for the people and their control over surplus production and financial flows.

In crises of this type the role of the hysteroid personality increases sharply. This manifests itself in multiple facets.

First, in changing the motivational base of making decisions from the main subjects of economic activity (excluding resonators). The motives of economic behavior become more short-term. The role and significance of the emotional component grows. The irrational component in motivation grows.

Second, the growth of defensive reactions when making decisions. People to a smaller degree than usual begin to go along with the arguments not of dispassionate contemplation, but emotional impulses, the impulses of the unconscious.

Third, as a rise in contradictions between the conscious and unconscious, which makes people’s behavior illogical and complicates managing them by means that usually provide a good effect in a

relaxed atmosphere. In this way it is a stressful situation – it is not clear what specific people's reactions will be. Hence, beyond the framework of a given crisis, the assessment of the measures taken from today's point of view may radically depart from that offered by participants of the given process.

Fourth, managing people typically requires emotional intervention, psychotherapeutic methods on the government scale. In this regard, the management decisions and behavior of Franklin Roosevelt during the crisis do not seem illogical at all. He would have needed to manage hysterical people with appropriate methods.

Roosevelt found himself in a situation in which exiting the crisis would have been without the support of the soundly thinking elite. This is a fact that Franklin Roosevelt himself acknowledges, speaking directly to the nation and blaming the Washington advisers for their incompetence. But this his adversaries would also admit in describing the atmosphere that had formed in government institutions and Roosevelt's retinue. Could anything really have been done with the hysterical elite? And Roosevelt did about as much as he could. He prevented the bloodshed that had previously accompanied the shift of the third-generation elite. But he could not stop the elite from making sometimes unthinking decisions. Thus, the destruction of food products at a time when people were hungry was clearly an illogical step, aimed at average Americans, while protecting the interests of merchant princes and the banks that gave them credit. And Roosevelt talks about this frankly.

The elite did everything the way the third-generation elite had done for centuries before this. It did not change its psychotype, it did not increase production efficiency, but rather increased the degree to which it exploited its subjects. And the elite made a decision to eliminate food products. This decision came to fruition not during Roosevelt's rise to power, but under Herbert Hoover. Roosevelt could not do anything about this. But he did the main thing – he did not allow bloodshed and created the conditions for a new elite to transition to power gradually. Ultimately, here the war "helped". Authority at the beginning of the crisis of 1929-1933 was with the elite, the Federal Reserve, the bankers and the wholesale merchants. This power remained with them after the crisis, but more realistic people came into power. And some knew how to become more moderate after what had happened. A certain part of the elite was able to change its psychotype. In the period after World War II, the U.S. was already being managed by the first-generation elite.

Thus, the events of 1929-1939 can function as a source of our knowledge about the behavior of people during a crisis. Roosevelt's decisions at that moment had not only an economic nature, but also a psychological and even psychiatric character. The crisis itself, the Depression, if we rely upon objective indicators, continued in the U.S. from 1929 through 1939.

In the history of humanity, psychoeconomic crises have arisen and been subdued spontaneously, due to exogenous factors, and this has always been related to stress factors.

Currently there are necessary scientific prerequisites for a more conscious role of regulators in surmounting psychoeconomic crises. The psychotypes of the elite, of the economically and politically active population change cyclically. The psychotypes in the elite and the economically and politically active population that have changed introduce not only other character traits into the system of socioeconomic relationships, they also introduce another system of motivation, value, other needs, another culture. Precisely those behavioral motives that have changed direct the activity of the main participants of the socioeconomic process, the main subjects of economic activity, to attain other values than they would have previously. In a period when the values of the hysteroid type dominate in society, they direct their efforts toward self-affirmation through ownership of new, large and prestigious homes, flashy cars, and trendy things... They savor their prestigious position, the availability of private airplanes, yachts, expensive watches, tennis courts etc. The list is endless. And here's the important thing. Ownership of stock, playing the market, and bank accounts in unlimited quantities – the more accounts, the more prestigious – now end up on this endless list of the actualized needs of the hysteroids and post-postresonators. Other people somehow pale into insignificance relative to these values. This is a peculiarity of people with hysteroid traits, their need to display their

Ego is more pronounced, the “by myself” metaprogram is more manifest. These values combine with less marked organizational capabilities. The need to control an endless list of objects of prestige, but more importantly, the symbols of prestige, owning shares of large companies that are completely unscrupulous about emotionally changing their costs – so that there is plenty to talk about in the ritziest salons – all this forms an endless need for money. And as always in history, this psychotype and all its imitators begin not to gain this money through hard administrative work, but by taking a cut from everyone who will consent. “Clipping” is easier for those who are toward the bottom of the ladder of prestige, of their professional or social position. It is precisely these whose profits are reduced during a period when the post-postresonators are dominant. Social separation grows in the society. And even if the government and regulators, seeing a pre-revolutionary situation, find the means to keep the people from losing their shirts, the money accumulates again by various means, sometimes subtly and shiftily, in the circulation of the values that are dominating in the society. Therefore the degree of social stratification in the society cyclically changes with the rotation of the psychotypes in the elite.

The laws of economics in a society where values of the hysteroid type reign supreme become different from what they were decades ago. The economic laws discovered at some point of social development metamorphose, transform along with the change in people.

There is reason to believe that knowing why psychoeconomic crises arise can improve the possibility of managing this process to a greater degree than before. In our set of measures for overcoming a crisis we should include those about the change of psychotypes of the economically active population and elite.

Summary of the Chapter

The economic and historical development of mankind is not only an accumulation of material assets, but also a change in people’s culture. One of the most important moments of these changes is the change in the system of dynamic stereotypes, the psychotypes of a population, in the economically active population, the elites. These changes are regular, and related to the degree of psychological and social compatibility of the different psychotypes in the course of life of several generations. The most unfavorable outcome, post-postresonators in the elite and the economically active population, leads to psychoeconomic crises of special depth. The majority of the world’s countries are now living through this crisis.

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Chapter 3. Globalization as a process of synchronizing the psychoeconomic changes in the world

It is important to evaluate the measures any country takes to optimize economic and social development against the processes on which the effectiveness of those measures depends. This above all means understanding the place of a given country in the international division of labor and the effect of globalization on the country’s development.

Globalization is a fact of life in the modern world, and involves the synchronization of many economic, social, psychological, technological and other factors. This introduces qualitative changes in the development of the contemporary world, including psychoeconomic events.

3.1 Synchronization of psychoeconomic phenomena in the contemporary world and its reflection in economic indicators

Carl Jung expressed an unusual idea for his time, namely that the psychotype, or drives that oppose conscious drives, forms within the unconscious. But over time, the unconscious and the conscious exchange places. Subsequent research has shown that this idea needs some restatement, namely, that drives form in the unconscious that are opposed to conscious drives, especially if the conscious drives are not reliable. Yes, that's how we're arranged.

Our unconscious senses the incorrectness, the imprecision, the one-sidedness of the conclusions reached by consciousness, and it builds up a need to make these conclusions precise, including by denying their opposite. In its own way, this mechanism is rational, and at times it is astonishing in its precision, prognostic ability, and accuracy. The fact is, our consciousness is single-plane and factorial. By and large the determinants of socioeconomic development have a heterogeneous, multifactorial, and cumulative nature. Some microfactors have a tendency to escalate into factorial, leading causes, so it is periodically necessary to change opinions, outlooks, and mindsets. This change is cyclical and tied closely to solar activity. The mechanism that opens and closes nerve cells works better precisely at times of increased solar activity, and this is valid for everyone. Therefore, during periods of economic globalization we also get harmonic curves of change across very different economic indicators.

In a period of increased solar activity, human thought and the thoughts of market players change more often. At times, this takes the form of projection in regard to understanding the factors of economic development, while at others, it takes the form of a sharp shift in management decisions, namely those that can affect the condition of the market.

Therefore it is not accidental that *the rate of change in the value* of a market basket of consumer goods rises and falls or that the price of housing relative to the price of gold grows then declines, etc. At some point, it becomes clear that the value of the market basket is such that you have to produce more goods from this basket and to obtain higher than average profit in market terms. But as time passes, it turns out that the normal profit for production of goods from the basket of consumer goods has dropped below a psychologically justified level. Once more the opinion forms that it is better to obtain a profit in the financial sphere, in the stock market, in the area of trade etc. All of this is established based on economic calculations... However, before the beginning of high solar activity, less attention is at times paid to this, in view of the rigidity of reasoning and inadequately active functioning of the open-close mechanism of nervous impulses.

There are other periods of pendulous swings of opinion among the agents of economic activity. These periods are smaller than the period between the peaks of solar radiation. Large, global periods of change in opinion co-exist with the oscillating change of opinion for minimal time intervals – months, weeks, days, hours, minutes... The more indefinite the condition of the market, the smaller the time intervals in which changing occurs from one type of decision to the opposite one.

What do we make of this? This is indeed what actually happens on the world market, in the stock market, in the world economy. Our economic drives are realized in hundreds or thousands or even millions of buying and selling transactions. So as a result these economic decisions of the mass of individuals and companies become sinusoidal, cyclical... First one factor (or a group of factors of the same type) becomes absolute when decisions are made, then another one does.

And this is not only in the economy. Fashion, science, and art function the same way. At points of high solar activity we become more inclined to change our position and our opinions. And we change them toward the relative opposites. Everything is according to the laws of the relationship of the conscious and unconscious, according to Jung. That's how we're built. This is a deeply reinforcing device that compels us to understand the truth even in spite of our will, by directing our consciousness toward one factor, then to its opposite.

Gradually, after we have sorted out these factors, we obtain a more comprehensive picture of the market's development, of socioeconomic processes, and of the world as a whole, getting closer and closer to the truth with each new historical stage of development. It is as though we are being

compelled to acknowledge the truth, the necessary psychological prerequisites for this are being created.

Regarding the processes of economic globalization, in connection with the formation of a single market, these processes become more and more coordinated on a global scale.

Cyclically repeating economic dependencies reflect the intentions of the people making decisions. Thus, the relationship of the price of gold to securities reflects the relationship of the intentions of the domain experts and social motivators in deciding whether to buy stock or gold. At the same time, this is a relationship of the intentions of kinesthetic and auditory types, of people with a developed “total” or “partial” metaprogram, of those inclined toward metamodeling or Milton modeling, people with hysteroid traits (peak share price) versus paranoid traits (who tend to choose gold a little more often), etc. Moreover, each psychotype, each metaprogram that is present to one degree or another in the agents of economic activity, oscillates somewhat, but in the aggregate these micro changes, these “somewhat” give the effect of reconsideration of the decisions of market participants, which are flex points of price changes. These “negligible” oscillations by many over a certain time interval in their majority predetermine the market’s “U-turn”.

A hardly perceptible, and at times simply imperceptible change of the agents of economic activity in terms of all the metaprograms, accentuations, and psychotypes that have been examined before goes unnoticed by its participants. But in the aggregate, according to the degree of growth of these cumulative causes, we see the result, namely a change in the trendline. And only after this change has occurred does consciousness look around for the causes of this phenomenon.

And before it can reach extreme values, some psychological indicator (value, accentuation, personality trait, metaprogram, etc.) passes through an oscillatory correction, and sometimes a real change, in a specific person or in a group of people. That is, the swings exist within the cycles designated on the graph. They are universal. Behind these swings stands an oscillating change of consciousness and even the culture of the subject of economic activity in the widest sense of this word. That’s how people are constructed.

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