

Cultural Anthropology (The outline)

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Abstract: The reason why human and animals have both the materiality and consciousness is that the nervous system has the materiality, and it can also evolve into conscious activities. The nervous system is connected by neurons, which have both the materiality and consciousness. The neuron is a kind of cells, which can carry out conscious activities such as metabolism, the central dogma, avoiding death and avoiding disadvantages, and the cells have both the materiality and consciousness. All the life activities of cells are performed by the biological macromolecules, which have both the materiality and consciousness. Biological macromolecules are linked of small biological molecules, which have both the materiality and consciousness. Small biological molecules are organic molecules, which have both the materiality and consciousness. Organic molecules are ordinary molecules, which have both the materiality and consciousness. Molecules compose of atoms, which have both the materiality and consciousness. The chemical reaction is both a material process and a conscious process. Atoms compose of nucleons and electrons, which have both the materiality and consciousness. Nucleons compose of protons and neutrons, which have both the materiality and consciousness, and the nuclear reaction is both a material process and a conscious process.

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Keywords: human; animal; materiality; consciousness

人类文化学提纲

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Abstract: 人与动物之所以既具物质性又具意识性, 是因为神经系统既具物质性又能进化意识活动。神经系统由神经元连接而成, 神经元既具物质性又具意识性。神经元是一种细胞, 细胞能够进行新陈代谢、中心法则、趋生避死、趋利避害等意识活动, 细胞既具物质性又具意识性。细胞的所有生命活动都由生物大分子执行, 生物大分子既具物质性又具意识性。生物大分子由生物小分子链接而成, 生物小分子既具物质性又具意识性。生物小分子是有机分子, 有机分子既具物质性又具意识性。有机分子是普通分子, 普通分子既具物质性又具意识性。分子由原子构成, 原子既具物质性又具意识性。化学反应既是一个物质过程又是一个意识过程。原子由核子与电子构成, 核子与电子既具物质性又具意识性。核子由质子与中子构成, 质子与中子既具物质性又具意识性, 核反应既是一个物质过程又是一个意识过程。

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Keywords: 人; 动物; 物质; 意识; 神经系统

The first chapter. Human Consciousness

Tip: Considering that the first chapter involves a wide range of knowledge and the theory is novel, the reader can skip the first chapter and directly go into the second chapter.

First, the reduction of consciousness

The reason why human and animals have both the materiality and consciousness is that the nervous system has the materiality, and it can also evolve into conscious activities. The nervous system is connected by neurons, which have both the materiality and consciousness. The neuron is a kind of cells, which can carry out conscious activities such as metabolism, the central dogma, avoiding death and avoiding disadvantages, and the cells have both the materiality and consciousness. All the life activities of cells are performed by the biological macromolecules, which have both the materiality and consciousness. Biological macromolecules are linked of small biological molecules, which have both the materiality and consciousness. Small biological molecules are organic molecules, which have both the materiality and consciousness. Organic molecules are ordinary molecules, which have both the materiality and consciousness. Molecules compose of atoms, which have both the materiality and consciousness. The chemical reaction is both a material process and a conscious process. Atoms compose of nucleons and electrons, which have both the materiality and consciousness. Nucleons compose of protons and neutrons, which have both the materiality and consciousness, and the nuclear reaction is both a material process and a conscious process.

The basic particles such as protons, neutrons and electrons compose of the nuclear field, [gravitational](#) field, electric field, magnetic field and other particle fields, and the particle fields have both the materiality and consciousness.

High-energy collision experiments show that the vacuum can convert into elementary particles, which can reduce to vacuum. Vacuum and elementary particles are made up of the same kind of material. The annihilation reaction of the positive and negative particles is the process of the elementary particles reducing to the vacuum. Light is transverse wave and vacuum can transmit light, which shows that light has elasticity. Only the field has elasticity, and vacuum is a certain field, calling the etheric field. When the density of the etheric field is in a state of increasing, the etheric fields repel each other; when the density of the etheric field is in a state of decreasing, the etheric fields attract each other. The etheric field has both the materiality and consciousness.

The etheric world is endless and has no start and no end. The etheric field is everywhere and

ever-present. The etheric field is the origin of the world, and the world has both the materiality and consciousness.

The etheric field is the fluid, and the etheric fields interact with each other in the flow. The particle field is the transformation form of the etheric field, and it has more complex structure and more advanced consciousness than the etheric field.

The process of the evolution of consciousness is reversed of the above reduction process. You can refer to *The Etheric Microvortex Theory* by the author on the etheric field and the particle field, you can also refer to the fifth issue in 2014 of the magazine *Technology and Industry Across the Straits* sponsored by the science and technology exchange center across the straits of China's ministry of technology and industry.

Second, introduction to consciousness

1. The definition of consciousness

The property of things to maintain is called memory, and the property of things to interact with each other is called instinct. The process of interaction is a process of mutual feeling, identifying and controlling that based on memory, and the performance of control is rule, which is will. Memory, feeling, recognition, control and will are the basic constituent elements of consciousness. The process of interaction is the process of consciousness, and the property of interaction is called consciousness. Different things interact in different ways, and different things have different instincts and conscious forms.

The same particles have the particle fields of the same structure, and they interact with each other in the same way; the different particles have the particle fields of the different structures, and they interact with each other in different ways, which is to say that the same particle fields have the same consciousness and the different particles have the different consciousnesses.

Just as we should distinguish the ability of interaction from the real interaction, we should distinguish consciousness from the performance of consciousness. The former is instinct, and the latter is the performance of instinct. Consciousness is the property of the thing itself, which can't be seen or touched. Only when the consciousness performs can we find its existence.

Consciousness is evolving constantly. As the structure of things changes, the way things interact with each other changes synchronously, which means the instinct and consciousness of things change synchronously. With the constant complexity and refinement of the structure of the things, the instinct and consciousness of things are also upgrading. The

physical and chemical reactions are primary conscious process, the life activities performed by creature are relatively advanced conscious process, and human can perform the highest level of conscious activity.

Before the appearance of creature, the world has no difference in life and death, advantage and disadvantage, good and evil, beauty and ugliness, etc. Along with the formation of the biological macromolecules, it forms the relationship of life and death, advantage and disadvantage, good and evil, beauty and ugliness and so on between creature and environment. Creature can react to avoid death and disadvantage, which shows that the creature has memorized the life meaning of environmental factors. The basic difference between living things and non-living things is whether they can memorize the life meaning of environmental factors.

The formation of the nervous system is the product of the evolution of biological consciousness. The nervous system is the conscious system, and the formation of the nervous system makes the subconsciousness rise to the conscious mind. Human have the most complex nervous system, and thus have the highest level of conscious mind.

Human consciousness has an inseparable relationship with the nervous system, which is that if the nervous system lives, human consciousness exists; if the nervous system dies, human consciousness disappears. The nervous system is the carrier of consciousness. Without the nervous system, the human consciousness cannot exist and without human consciousness, people will not become a man.

2. The composition of human consciousness

Human have the highest level of consciousness, including memory, feeling, emotion, awareness, will and so on. Memory is the basis of the formation of human consciousness, feeling is the input channel of consciousness, emotion is the human nature, awareness can improve and enrich human consciousness, and will is the human reaction to the outside world.

The human conscious activities are not conducted one by one according to the constitute of consciousness, but in the form of parallel and cross.

3. The relatively independent conscious mind activities

The etheric field has various properties, and materiality and consciousness are just two properties of them. All the properties of the etheric field are in objective existence and have difference between each other, which are inseparable and cannot be mutually transformed or replaced.

On one hand, the conscious mind activities cannot be done independently without the brain, and

they can only be done in the brain. On the other hand, the conscious mind is able to evolve in a relatively independent way, such as memory, joys and sorrows, judgment and reasoning, etc.

The conscious mind activities are not restricted by physical laws such as the necessary law, conservation law and self-consistent law, and they are fully free activities. Though the conscious mind can only be done in the brain, conscious mind can transcend time and space on the basis of memory, which can not only recall the past and plan the future, but also imagine the infinity and infinitesimal; not only reveal the truth, perform the conscious mind activities such as study, discovery and invention, but also make up things such as immortal spirits, hell and heaven and god, and also be able to make art, etc.

The conscious mind can achieve the control function by controlling the nervous system, which are mainly manifested in two aspects, one is self control, like the control of thinking process and rational controlling emotion. The other is the control of behavior, but behavior is restricted by physical laws.

4. The methods of research on consciousness

Consciousness is connotative, which can't be seen or touched, and is shapeless and invisible at all. The conscious activities don't follow the material laws, and memory also makes consciousness transcend time and space, therefore we cannot research in the form of the usual experiment, but should in the way of introspection to find their existence and we can only research on them in the cognitive way on the basis of introspection. What's more, only those who have the consciousness can find the existence of consciousness, and research on it.

Introspection is a kind of empirical method that is equivalent to scientific experiment, and the basic difference between scientific experiment and introspection is that introspection is self-evident. Any normal people know they have consciousness without proving, and in fact only you know your own consciousness. Everyone has the consciousness, and everyone can take his own consciousness as the research object.

Consciousness dominates behavior, so researchers can observe and study the consciousness of others by the behavior of others. However, there is no necessary causal relationship between behavior and consciousness, and the researchers cannot draw the inevitable conclusion from the behavior.

Human can also express and exchange consciousness through their own behavior, and researchers can study the consciousness of others through the way of asking. Similarly, the expressed and exchanged consciousness is not the same as the real consciousness.

Human conscious activities are directly related to the nervous system, so researchers can use instrument to measure the activities of the nervous system of the subjects, but that doesn't mean you have studied the conscious activities of the subjects.

Three, consciousness and information

Human is one mode of the existence of things, and human and other things can interact mutually. The process of the mutual interaction of human with their own property and the environment is the process of consciousness of mutual feeling, identifying and controlling.

Everything is the perception object of human, so they are also called general information. The information cannot exist independently without the carrier, and things having properties mean the carrier is carrying information.

General information is an objective existence independent of man's will, but it can be perceived by human and convert to human consciousness. Perception is the process of general information converting to consciousness, and perception and perceptual content both have authenticity. It is not material converting to consciousness when human perceive things, but information converting to consciousness.

It is the process of consciousness converting to special information when people express consciousness. It is not consciousness converting to material when human express consciousness, but consciousness converting to special information. Because consciousness cannot exist independent from material, people have to use carrier to express consciousness. The process of people expressing consciousness is not only the process of people endowing carrier with meaning (consciousness), but also the process of the producing of special information. The carrier endowed with meaning is called special information carrier, and the endowed meaning carried by it is called special information. For example, as a mechanical wave and a drawing, phonetic sound and character don't contain semantic meaning. The semantic meaning contained by phonetic sound and character is endowed by people, and only those who have learnt this language can understand it. Phonetic sound and character are the carriers of semantic meaning, and the semantic meaning is the special information contained by phonetic sound and character.

General information, including consciousness, is a kind of objective existence, while consciousness is a kind of subjective existence that has to rely on subject. Consciousness is the subjective information, while special information is the objective consciousness. General information that has been

converted to consciousness is not the objective general information, and consciousness that has been expressed is not the subjective consciousness. The relationship between human and the objective world is the relationship between consciousness and information based on the carrier.

Consciousness and information are both structured, and the transformation of them is realized through the transformation of their structure. For example, phonetic sound and character are both structured, and ears are the converter of phonetic sound structure. When ears listen to the phonetic sound, it can convert phonetic sound structure to structural current in the nervous system. Eyes are the converter of character structure. When eyes see the character, it can convert character structure to structural current in the nervous system. With the structure of information carrier converting to the structure of consciousness carrier, information converts to consciousness, and with the structure of consciousness carrier converting to the structure of information carrier, consciousness converts to special information, which is to say that the sensor can make information convert to consciousness, and effector can make consciousness convert to information.

Taking making a phone call as another example, when people want to say something, his thought is not only a process of the flow of current in the nervous system, but also a process of consciousness, and the content of his thought is structured. When people say something, the structural consciousness will act on vocal cord via structural current in the nervous system, and the structural vibration of vocal cord will convert to structural phonetic sound. Phonetic sound carries the structure of consciousness because of its structure. Phonetic sound is a mechanical wave, and its structural vibration makes the spring piece of microphone produce vibration of the same structure, which causes current of the same structure in the wire. The structural current makes the spring piece of telephone receiver produce vibration of the same structure, which causes the mechanical wave of the same structure. The vibration of structural mechanical wave makes eardrum produce vibration of the same structure, the structural vibration of eardrum causes the current of the same structure in the nervous system, the structural current reaching the brain causes structural conscious activities, and then the speaker repeats the above process to answer the other person. The vocal cord, the spring piece of microphone, the spring piece of telephone receiver and eardrum are all converters of carrier structure. Sensory organs are the input channels of information converting to consciousness, and sport organs are the output channels of consciousness converting to information.

If we say the tool is the outward extension of

physical, then computer and its network are the outward extension of the brain. The computer is a processor of information, and what is running in the computer is the structural current. Human is a machine of conscious activities, and what is running in the nervous system is also structural current, calling allosteric current. Information and consciousness can mutually convert through a variety of converters of carrier structure. The semiconductor chip of computer has the function of storing and controlling information, and the central nerve has the function of memorizing and controlling consciousness. Structural sound, light, current and allosteric current are the conduction carrier of information and consciousness.

The second chapter. Cultural Anthropology

First, the materiality and consciousness of human

Human has both the materiality and the consciousness. The same to other objects, human body is made up of atoms and molecules too. What is unlike other objects is only that human has the consciousness. Human body is tangible, while human consciousness can only be found in the introspective way.

The human body's tissues, organs and systems are all made from the differentiation of fertilized egg cells, and the life activities of cells are all conscious activities. Respiratory system runs gas, digestive system runs food, cardiovascular system runs blood, lymphatic system runs lymph, endocrine system secretes hormone and reproductive system secretes reproductive liquid, on one hand, the activities of these systems are conscious activities, on the other hand, what are run by these systems are material. What is different, although neurons are also made from the differentiation of fertilized egg cells, the nervous system is a specialized conscious system, and consciousness is immaterial. Human consciousness can not only control the activities of the nervous system, but also control the activities of other tissues, organs and systems via the nervous system, including the control of the sport organs, namely the control of human behavior. In fact, people perform conscious activities by allosteric current in the nervous system, and central nerves achieve its control by allosteric current. Due to space limitations, we do not discuss further here. The human body consists of material, and human consciousness governs human activities.

Second, the definition of culture

“Wen” in “wenhua” refers to human consciousness, and “hua” refers to the expression of consciousness, which is also known as the externalization of consciousness. The expressed consciousness is called special information. It is a cultural activity to express and exchange consciousness, and the carrier used to express and

exchange consciousness, namely special information carrier, is called cultural product. All human behaviors are governed by consciousness, all the human activities that express consciousness are cultural activities, and all the carriers used by human to express consciousness are cultural products.

Three, the classification of culture

The world is in the unity, everything is integral and in universal connection. Human perceptive ability is limited, and the process of human's perception of the world is a process that first dividing the world and then synthesizing it. The world in human brain is not yet the real world. Different disciplines are the product of the division of the world by human.

The integrity of consciousness leads to the integrity of culture, and it is a kind of artificial division to classify culture, so the following classification will overlap inevitably. Cultural activities and cultural products can be roughly divided into the following several kinds.

1. The type of daily life

People are always in a state of consciousness whether awake or asleep, at work or in leisure time. All the life of human are doing cultural activities. Consciousness governs behavior, whether it is instinctual unconsciousness or conscious mind with purpose. Every word and action in people's daily life is cultural activity, and all the results produced by words and actions are cultural products. Habits, customs, traditions, etc shown in daily life are all cultural activities and cultural products.

2. The type of pure consciousness

Activities that are purely for expressing and communicating consciousness are called cultural activities of pure consciousness, the cultural products produced by which are called cultural products of pure consciousness. Cultural activities and products of pure consciousness are sometimes called immaterial culture activities and products. Cultural activities and products of pure consciousness can be divided into the following categories:

2-1. the type of text

The only function of language is to express and exchange consciousness, language penetrates into all areas of human life, and language is the most basic activities and products of the text type. Not only speaking and writing are cultural activities of the text type, all the activities that are directly related to speaking and writing, such as giving lectures, holding meetings, reporting, discussing, writing, making plans, signing contracts, issuing currency, drafting documents, making laws, regulations and policies, etc are also

cultural activities of the text type. Not only language is cultural product of the text type, all the products that are directly related to language, such as books, all kinds of documents, currency, etc are also cultural products of the text type.

All the news interviews and reports are cultural activities of the text type, and all the newspapers, audio, video, and other products are cultural products of the text type.

The only function of computer network is to express and exchange consciousness. Man-machine dialogue is the latest kind of cultural activity of the text type of human, and the products entering into the computer network are all cultural products of the text type.

Various theories and theoretical studies are activities of the text type, which form human knowledge, and knowledge products are cultural products of the text type.

In order to uncover the truth and utilize the nature, people carry out cultural activities of the text type such as scientific researching, scientific experimenting, inventing, designing, etc. The achievements in scientific research are cultural products of the text type.

2-2. the type of art

The only or the main function of art is to express and exchange feelings. Artistic creation and artistic appreciation is a kind of cultural activities of pure consciousness, and artwork is a kind of cultural products of pure consciousness.

2-3. the type of religion

Immortal spirits, god, heaven and hell are the creation of the human brain. Making up fairy tales and engaging in religious activities are cultural activities of pure consciousness, the results of which are cultural products of pure consciousness. Even today most people are still worshipping and fearing these imaginary things, and even starting religious wars.

3. The type of economy

Sometimes it is called the type of material, which is divided into two categories.

3-1. the type of article

All the economic activities of people, regardless of manual labor or mental labor, are activities under the domination of consciousness, and all the products of labor are the product of consciousness and are cultural products.

3-2. the type of service

This type directly provides physical or mental service. In the service industry, both the server and the

client are people of consciousness, whose activities are governed by the consciousness. The process of service is both a material process and a process of communicating consciousness. The service provided by the service industry is a cultural product that is different from the product of the type of article. Service is divided into for-profit service and non-profit service.

4. The type of politics

All the political activities are activities of expressing and communicating consciousness, and electing, legislating, law enforcing, administrating, supervising, warring, etc are all cultural activities. All the political institutions, such as state organs, parliament, government, judicature, military, police and prisons, are the product of consciousness and are cultural products.

Four, the socialization of human

The human relations are based on the expression and communication of consciousness, and human consciousness is the sum total of the relations of individual consciousness. Human society is established on the basis of consciousness, and there is no human society without human consciousness. Consciousness is the foundation, and culture is established on the basis of consciousness.

The only function of language is to express and exchange consciousness. People firstly set up their social relations through language, and human society is firstly established on the basis of language. There is no human society without human language. Language is the foundation, and culture is the expansion and extension of language.

After the formation of the society, people get into the society of that time once they came to this world. On one hand, the society must protect the individual and on the other hand, people need to respect the society. Protecting personality is not only the responsibility of the society, but also a driving force for the constant development of the society. Respecting others is not only the need of personal survival and development, but also the social responsibility of the individual.

Fifth, the alienation of culture

The positive side of culture is called civilization, and human culture develops towards the direction of civilization in the general trend. But the specific processes of development have twists and turns, and even have backwards. This kind of twists and turns and backwards are called alienation.

Human and nature are always in the interest relationship, and self-interest is not only the unshirkable responsibility of everyone, but also the

cause of alienation. Natural disaster is a kind of force that alienates people, people overcome and relieve natural disasters through their own efforts, and people transforming nature is humanizing nature. But human self-interest may also destroy the ecological environment, such as waste of resources, species extinction, environmental pollution, which is alienates the natural environment artificially.

The alienation of consciousness leads to the alienation of culture. Culture includes all aspects of the society, and alienation exists in all aspects of the society.

The creations of people often become the alien force of people, and the immortal spirits are made up by people. Although religion creates many wonderful and soul-touching arts, and is also rich in spiritual civilization, the religious activity is the most ignorant cultural activity in terms that religion advocates divinity and objects to humanity. War is the most ignorant cultural activity, and religious war is the most ignorant and foolish cultural activity. The modern human is still in a state of ignorance, and perhaps human could have stepped into self-destruction before awakening. Fortunately, human beings cannot completely destroy life on earth, so even human disappears, as long as the ecological environment exists, the earth will be able to evolve new wisdoms.

European Renaissance has greatly promoted the development of the civilization, while China's "cultural revolution" is trying to wipe out the culture.

The ability of human consciousness is limited, and ignorance makes human alienation inevitable. The alienation of individual consciousness leads to the alienation of social consciousness. Conflicts of interest may make others become alien force. Taking others as alien force or even robbing and enslaving others are artificial social alienation. Society requires coordination and management, and the alienation of management is the greatest alienation. Absolutism is the largest body that violates human rights and the best way to eliminate management alienation is continuously revising constitutional democracy. Human should advocate a life-style of peace, happy spiritual life and simple material life.

With the continuous development of human consciousness, human understanding of the balance relationship between themselves and environment is more and more clear, alienation is overcome gradually, and civilization degree increases gradually.

Sixth, the development of culture

The state of human consciousness determines the state of human culture, and the evolution of human consciousness determines the process of human culture. Human history is in essence a history of human consciousness, and cultural relics and literature

and history mark the development process of human consciousness. Archaeological studies investigate the consciousness of ancients by cultural relics, and history studies investigate the history of human consciousness.

Human development has experienced the tribe era, the phonetic sound era and the script era, and today it is in the network era.

Tribes refer to groups that have individuals in cognation and affinity and continue to live together with relatively large scale. Cognation is established on the basis of the cognation consciousness, affinity is established on the basis of the affinity consciousness, and tribe is established on the basis of the tribe consciousness.

Gregariousness and upright walking are two necessary conditions for animals evolving into human beings. Gregariousness can make calls that express consciousness passed down from generation to generation, and upright walking can not only liberate the hands, but also create conditions for the evolution of the brain and pronunciation organs. That human has developed brain especially the parietal lobe occupies a large proportion of area is proof of that, the result of which is that phonetic sound was eventually formed. That human beings separate from animals is a process of millions of years long.

In the process of calls evolving into phonetic sound, the continuous development of phonetic sound prompts the constant increasing of the frontal area of the brain. Human can already use natural things for tools when they are still animals, whereas without the appearance of phonetic sound, human cannot get into the Stone Age, use fire, build houses or create myths. The appearance of phonetic sound makes human consciousness memorized from generation to generation, and the formation process of phonetic sound is also the process of gregarious animal man evolving into social man.

Characters can keep human consciousness across time and space, and the memory function of characters is much stronger than phonetic sound. Although the appearance of character is less than ten thousand, it has a great role in promoting human development. Characters not only created the brilliant Chinese pre-Qin period and ancient Greek culture, but also created the industrial culture that was developing in leaps.

Network era is only a few hundred years even from the appearance of telegraph and telephone. If we say the tool is the outward extension of physical, then computer is the outward extension of the brain. The appearance of the computer network makes the global people able to exchange consciousness instantly in the form of special information.

On one hand, human's understanding of the

world is deeper and deeper, which is to say that the breadth of general information converting to consciousness is larger and larger, on the other hand, people exchange consciousness in a way of special information, so the network age is also known as the information age. Knowledge can not only enrich consciousness, but also is always a driving force to promote the progress of human civilization. In network era, not only knowledge spreads fast, but also the speed of invention and creation improves significantly, so the network age is also called the knowledge age. Before the network age, the number of manual workers is in absolute superiority, while in recent decades the number of manual workers has reduced gradually, the number of mental workers has increased gradually, and the proletariat is disappearing. In developed countries, not only the number of white-collar workers is far more than the number of blue-collar workers, but also people's working time is reducing and learning, leisure and entertainment time are on the rise. The ratio of material cultural activity time is reducing, while the ratio of pure cultural activity time is rising; the ratio of material cultural products is reducing, while the ratio of pure cultural products is rising. The degree of human alienation is gradually reducing, while the degree of civilization formed by democracy is higher and higher. The bondage of material on people is less and less, and the degree of freedom of people is higher and higher. With human consciousness being richer and richer, human cultural activities and cultural products are more and more pure conscious. In a word, human civilization is accelerating towards pure consciousness.

Human consciousness has not only characteristics of the times, but also has regional characteristics, so culture has not only characteristics of the times, but also has regional characteristics. We can almost be certain that human is not the only wisdom and the earth people's consciousness and culture also have the characteristics of the earth people.

With the development of human consciousness and culture being faster and faster, the development of human society is becoming more and more quickly. With the globalization of human consciousness and culture, human society is also globalizing. Globalization should not kill personality, but need to protect personality in a wider and deeper sense.

The third chapter. The New Philosophy

The combination of the above two chapters of this article forms the new philosophy, here we summarize again.

The interactive process of things is both a material process and a conscious process. The etheric field is able to attract each other and repel each other,

and it has both the materiality and consciousness. The etheric world is endless and has no start and no end. The etheric field is everywhere and ever-present. The etheric field is the origin of the world, and the world has both the materiality and consciousness. The running of material is controlled by laws such as the law of unity of opposites, the law of causality, conservation law and self-consistent law, while conscious activity is not restricted by these laws.

The complication of material structure and the advance of consciousness synchronize. Material is the carrier of consciousness, and consciousness is the driving force of material evolution. The nuclear field, [gravitational](#) field, electric field, magnetic field, etc that constitute the basic particles such as protons, neutrons and electrons are the transformation forms of the etheric field. The structure of basic particles is more complex than the etheric field, and the consciousness of basic particles is more advanced than the etheric field. The structure of nucleons is more complex than the basic particles, and the consciousness of nucleons is more advanced than the basic particles. The structure of atoms and molecules is more complex than nucleons, and the structure of nucleons is very stable; the structure of atoms and molecules is stable and flexible, and the consciousness of atoms and molecules is more advanced than nucleons.

Biological macromolecules are linked of small biological molecules. Small biological molecules don't have biological consciousness, while biological macromolecules have biological consciousness. There is no strict boundary between the short chains and long chains of biological macromolecules, which means that there is no strict boundary neither between organisms and non-organisms and biological and non-biological consciousness. The formation of biological macromolecules is the key point of both non-organisms evolving into animals and non-biological consciousness evolving into biological consciousness. Cells are systems constituted by biological macromolecules, and cells are capable of carrying out life activities such as metabolism, the central dogma, avoiding death and avoiding disadvantages, which means that cells already have relatively complete biological consciousness.

Neurons are made from the differentiation of cells. The nervous system is the product of the evolution of biological consciousness, and it is the conscious system. The nervous system can perform conscious mind activities such as memory, feeling, emotion, awareness and will.

The expression of consciousness is called culture. Animals can not only perform autonomously the advanced conscious activities such as emotion and cognition with the aid of the nervous system, but also

are able to express and exchange consciousness through facial expression, body movement, calls, etc. Any zoologist today will tell us that each species of animals has its unique culture. In fact, every kind of things has its unique culture—both organisms and non-organisms. The same discipline studies the culture of the same kind of things, and different disciplines study the culture of different kinds of things. Human consciousness and culture are formed on the basis of animal consciousness and culture. Without human consciousness, human is nothing but a group of animals. Without biological consciousness, organism is nothing but a heap of stones.

Human consciousness can not only carry out relatively independent conscious activities, but also has the control function, for example, memory, joys and sorrows and judgment and reasoning are not only the independent activities of consciousness, but also a process of self control. Human consciousness can also control human behavior, however, although the conscious activity of people is full of freedom, and can also carry out the creative activity according to its emotion, knowledge and will, once consciousness controls behavior, behavior will be controlled by the material laws, so people can't pull his hair up to the air, and people can't follow his inclinations.

The basic difference between human and animal lies in that human can perform conceptual thinking, express and exchange consciousness in words, and thereby create the human culture. The behaviors of people are governed by consciousness—both instinctual subconscious behaviors and conscious mind behaviors of the purpose. All human activities are cultural activities, and all that are created by human are cultural products. Human society is the product of human consciousness, and human society is established on the basis of human consciousness.

Consciousness determines culture, the human consciousness determines the human culture and society, and the history of human consciousness development determines the history of human culture and society development.

The etheric field is the origin of the world. Besides the materiality and consciousness, the etheric field also has the properties of quantity, regularity, spatiality and timeliness. The theory *All is number* of the ancient Greek Pythagoras thinks that number is the origin of the world, and the worship of number is still wandering in the scientific community today. The regularity of the running of things leads to the generation of western Logos School, which thinks that regularity is the master of the world. Einstein's theory of relativity is just a kind of philosophical speculation about time and space, which does not belong to the science category.

Idealists think that consciousness is the origin of the world and consciousness is primary and matter is secondary. For example, god creates the world, and actually immortal spirits, souls, heaven, hell and so on are fictional products of consciousness, which don't have the materiality. Though idealism advocates spiritual civilization, it makes people lost. Materialists think that matter is the origin of the world, matter is primary and consciousness is secondary, and consciousness is the derivative of matter. Materialism is the philosophical origin of supremacy of material interests and war. Dualism thinks that matter and consciousness are both the origins of the world, but they exist independently, such as the thought that death is the soul leaving the body. Idealism, materialism and dualism all have their reasonable aspect, but they are all one-sided. Discarding the false and retaining the true and synthesizing various philosophical schools can produce the new philosophy.

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人类文化学提纲

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Abstract: 人与动物之所以既具物质性又具意识性, 是因为神经系统既具物质性又能进化意识活动。神经系统由神经元连接而成, 神经元既具物质性又具意识性。神经元是一种细胞, 细胞能够进行新陈代谢、中心法则、趋生避死、趋利避害等意识活动, 细胞既具物质性又具意识性。细胞的所有生命活动都由生物大分子执行, 生物大分子既具物质性又具意识性。生物大分子由生物小分子链接而成, 生物小分子既具物质性又具意识性。生物小分子是有机分子, 有机分子既具物质性又具意识性。有机分子是普通分子, 普通分子既具物质性又具意识性。分子由原子构成, 原子既具物质性又具意识性。化学反应既是一个物质过程又是一个意识过程。原子由核子与电子构成, 核子与电子既具物质性又具意识性。核子由质子与中子构成, 质子与中子既具物质性又具意识性, 核反应既是一个物质过程又是一个意识过程。

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Keywords: 人; 动物; 物质; 意识; 神经系统

提示: 第一章涉及的知识面较广且理论新颖, 读者可以跳过第一章直接进入第二章。

第一章. 人类意识

一、意识的还原

人与动物之所以既具物质性又具意识性, 是因为神经系统既具物质性又能进化意识活动。神经系统由神经元连接而成, 神经元既具物质性又具意识性。神经元是一种细胞, 细胞能够进行新陈代谢、中心法则、趋生避死、趋利避害等意识活动, 细胞既具物质性又具意识性。细胞的所有生命活动都由生物大分子执行, 生物大分子既具物质性又具意识性。生物大分子由生物小分子链接而成, 生物小分子既具物质性又具意识性。生物小分子是有机分子, 有机分子既具物质性又具意识性。有机分子是普通分子, 普通分子既具物质性又具意识性。分子由原子构成, 原子既具物质性又具意识性。化学反应既是一个物质过程又是一个意识过程。原子由核子与电子构成, 核子与电子既具物质性又具意识性。核子由质子与中子构成, 质子与中子既具物质性又具意识性, 核反应既是一个物质过程又是一个意识过程。

质子、中子、电子等基本粒子由核场、万有场、电场、磁场等粒子场构成, 粒子场既具物质性又具意识性。

高能对撞实验证明, 真空可以转化为基本粒子, 基本粒子可以还原为真空。真空与基本粒子由同一

种物质构成。正反粒子的湮灭反应就是基本粒子还原为真空。光是横波, 真空可以传播光说明真空具有弹性, 只有场才具有弹性, 真空是某种场, 称以太场。当以太场密度处于增加状态时, 以太场相互排斥, 当以太场密度处于变小状态时, 以太场密度相互吸引, 以太场既具物质性又具意识性。

以太场世界无边无际且无始无终, 以太场无处不在且无时不在, 以太场是世界的本原, 世界既具物质性又具意识性。

以太场是流体, 以太场在流动中相互作用。粒子场是以太场的转化形态, 粒子场具有比以太场更复杂的结构, 粒子场具有比以太场更高级的意识性。

将上述还原过程倒过来就是意识的进化过程。关于以太场与粒子场请参看作者所著《以太旋子学》, 也可参看中国科技部海峡两岸科学技术交流中心主办的《海峡科技与产业》杂志 2014 年第五期的《场学简介》。

二、意识概论

1、意识的定义

事物保持属性称记忆, 事物能够相互作用的属性称本能。相互作用过程是一个在记忆基础上相互感受、识别、控制的过程, 控制表现为规律, 规律即意志。记忆、感受、识别、控制、意志是意识的基本构成要素。相互作用过程是一个意识过程, 能够相互作用的属性称意识性。不同事物以不同方式相互作用, 不同事物具有不同的本能, 不同事物具

有不同意识形态。

相同粒子具有相同结构的粒子场，它们以相同的方式相互作用，不同粒子具有不同结构的粒子场，它们以不同方式相互作用，这就是说，相同粒子场具有相同的意识性，不同粒子场具有不同的意识性。

正如应当将能够相互作用与实际相互作用区别开来，应当将意识与意识的表现区别开来，前者是本能，后者是本能的表现。意识是事物自身具有的属性，它看不见摸不着，只有当意识表现出来时，才能发现其存在。

意识是不断进化的。随着事物结构发生变化，事物相互作用的方式同步发生变化，即事物的本能与意识同步发生变化。随着事物结构的不断复杂化与精细化，事物的本能与意识也不断高级化。物理反应与化学反应是初级的意识过程，生物进行的生命活动是相对高级的意识过程，人能够进行最高级的意识活动。

在生物未出现前，世界本无生与死、利与害、善与恶、美与丑等区别，随着生物大分子的形成，生物与环境形成生与死、利与害、善与恶、美与丑等关系。生物能够做出趋生避死、趋利避害等反应，说明生物已经记忆了环境因子的生命意义。能否记忆环境因子的生命意义是生物与非生物的根本区别。

神经系统的形成是生物意识进化的产物，神经系统是意识系统，神经系统的形成使潜意识上升为显意识。人具有最复杂的神经系统，从而具有最高级的显意识。

人的意识与神经系统有着不可分割的关系，神经系统活着人意识在，神经系统死亡人意识消失。神经系统是意识载体，没有神经系统，人意识无以存在。没有人意识，人就不成为其人。

2、人类意识的构成

人类具有最高级的意识性，人类意识包括记忆、感觉、情觉、性觉、知觉、意志等。记忆是人类意识形成的基础，感觉是意识的输入通道，情感是人类本性，知觉可以提高与丰富人类意识，意志是人类反作用于外部世界。

人的意识活动不是根据意识的构成一项一项地进行的，往往是以并行与交叉的方式进行的。

3、相对独立的显意识活动

以太场具有各种属性，物质性与意识性只是其中的两种属性。以太场各种属性都客观存在又相互区别，它们既不可分割也不能相互转化与相互替代。

一方面显意识活动不能脱离大脑而独立进行，显意识活动只能在大脑中进行。另一方面显意识又能够以相对独立的方式进化，比如回忆、喜怒哀乐、

判断推理等。

显意识活动不受必然律、守恒律、自洽律等物质性规律限制，显意识活动是充分自由的。虽然显意识只能在大脑中进行，然而显意识又能在记忆的基础上超越时空，不但回忆过去、预谋将来，而且可以想象无穷大与无穷小。不但能够揭示事实真相，进行研究、发现、发明等显意识活动，而且可以虚构神仙鬼怪、地狱天堂、上帝等事物，还能够进行艺术创作等。

显意识能够通过控制神经系统实现其控制功能，主要表现于两方面，一是自我控制，如思维过程的控制，理性控制情感。二是控制行为，行为则受物质规律制约。

4、研究意识的方法

意识是内涵的，它们看不见摸不着，无形无踪，意识活动不遵循物质规律，记忆还使意识超越时空，因此不能用通常的实验等方式进行研究，而只能以内省的方式发现它们的存在，只能在内省的基础上用认知的方式对它们进行研究，并且只有具有意识的人才能发现意识的存在，才能对意识进行研究。

内省是一种与科学实验等价的实证手段，与科学实验根本区别在于内省是不证自明的。任何一个正常人不用证明就知道自己具有意识性，事实上只有自己知道自己的意识。人人具有意识，人人都可以将自己的意识作为研究对象。

意识支配行为，研究者可以通过他人的行为观察、研究他人的意识。但行为与意识之间并没有必然的因果关系，研究者无法从行为中得出必然的结论。

人也可以通过自己的行为表达与交流意识，研究者可以通过询问的方式研究他人意识，同样地，被表达与交流的意识并不等于真实的意识。

人的意识活动与神经系统直接相关，研究者可以通过仪器测量被研究者神经系统的活动状况，但这并不等于就研究了被研究者的意识活动。

三、意识与信息

人是事物存在方式之一，人与它事物可以相互作用。人以自己的属性与环境相互作用的过程是一个相互感受、识别、控制的意识过程。

所有事物都是人的感知对象，故它们又称为广义信息。信息不能脱离载体而独立存在，事物具有属性就是载体载有信息。

广义信息不以人的意识为转移地客观存在，但它们可以为人类所感知，可以转换为人的意识，感知就是广义信息转换为意识的过程，感知与感知内容都具有真实性。人类感知事物，不是物质转化为意识，而是信息转换为意识。

人们表达意识则是意识转换为狭义信息的过程。人类表达意识，不是意识转化为物质，而是意识转换为狭义信息。由于意识不可脱离物质而独立存在，因此人必须借助于载体才能表达意识。人表达意识的过程既是人赋予意义（意识）于载体的过程，也是狭义信息产生的过程，被赋予意义的载体称狭义信息载体，狭义信息载体载有的人赋予意义称狭义信息。比如做为机械波的语音和做为图案的文字并不含有语义，语音与文字所含语义是人赋予的，只有学习过某种语言的人才能懂得这种语言。语音与文字是语义的载体，语义是语音与文字载有的狭义信息。

包括意识在内的广义信息是一种客观存在，意识是一种必须借助于主体才能存在的主观存在。意识是主观化的信息，狭义信息是客观化的意识。转换为意识的广义信息已经不是客体性的广义信息，表达出来的意识已经不是主观性的意识。人与客观世界的关系是建立在载体基础上的意识与信息的关系。

意识与信息都具结构性，意识与信息的相互转换是通过它们结构相互转换实现的。比如语音与文字都具结构性，耳朵是语音结构转换器，当耳朵听语音时，可将语音结构转换为神经系统中的结构性电流。眼睛是文字结构转换器，当眼睛看文字时，可将文字结构转换为神经系统中的结构性电流。随着信息载体结构转换为意识载体结构，信息转换为意识，随着意识载体结构转换为信息载体结构，意识转换为狭义信息，也就是说，感应器能使信息转换为意识，效应器能使意识转换为信息。

再比如打电话，当人想说什么时，想既是神经系统中电流的流动过程，也是一个意识过程，并且想的内容具结构性。当人说出什么时，结构性意识通过神经系统中结构性电流作用于声带，声带结构性振动转化为结构性语音。语音以其结构性载有意识结构性。语音是机械波，它的结构性振动使得话筒簧片产生同结构振动，簧片结构性振动使得导线内产生同结构的电流，结构性电流使话筒簧片产生它结构的振动，簧片结构性振动产生同结构的机械波，结构性机械波振动使得耳膜产生同结构振动，耳膜结构性振动在神经系统中产生同结构的电流，到达大脑的结构性电流引起结构性意识活动，然后受话者重复上述过程回答对方。声带、话筒簧片、听筒簧片、耳膜都是载体结构转换器。感觉器官是信息转换为意识的输入通道，运动器官是意识转换为信息的输出通道。

如果说工具是人体力的向外延伸，那么计算机及其网络就是人脑的向外延伸。计算机是信息处理机，运行于计算机中的是结构性电流。人体是意识活动机，运行于神经系统中的也是结构性电流，称

变构电流。通过各种载体结构转换器，信息与意识可以相互转换。计算机的半导体芯片具有储存与控制信息的功能，中枢神经具有记忆与控制意识的功能。结构性的声音、光、电流、变构电流等则是信息与意识的传导载体。

第二章. 人类文化学

一、人的物质性与意识性

人既具物质性又具意识性。与其它物体相同，人体也是由原子分子构成，与其它物体不同的仅仅是人具有人的意识。人体看得见摸得着，而人的意识只能以内省的方式才能发现其存在。

人体的各组织、器官、系统都由受精的卵细胞分化而成，而细胞进行生命活动都是意识活动。呼吸系统运行气体，消化系统运行食物，心血管系统运行血液，淋巴系统运行淋巴，内分泌系统分泌激素，生殖系统分泌生殖液，一方面这些系统进行的活动都是意识活动，另一方面被这些系统运行的都是物质。与此不同，虽然神经元也是由受精卵细胞分化而成，但神经系统是专门化的意识系统，而意识是非物质的。人的意识不但能够控制神经系统活动，而且能够通过神经系统控制其它组织、器官、系统的活动，其中包括对运动器官的控制，即对人的行为的控制。实际上人是以神经系统中的变构电流进行意识活动，中枢神经是通过变构电流实现其控制的，限于篇幅，这里不展开讨论。人体由物质构成，人的意识支配人体活动。

二、文化的定义

文化的文是指人的意识，化是指意识的表达，也称意识的外化，表达出来的意识成为狭义信息。表达与交流意识是文化活动，用以表达与交流意识的载体即狭义信息载体则称文化产品。人的所有行为都受意识支配，人的所有表达意识的活动都是文化活动，人用以表达意识的所有载体都是文化产品。

三、文化的分类

世界是统一的，万事万物都不可分割地处在普遍联系之中。人的感知能力是有限的，人类感知世界的过程是一个首先分割世界然后加以综合的过程。人脑中的世界已经不是现实世界。不同学科是人类分割世界的产物。

意识的整体性导致文化的整体性，对文化进行分类是一种人为的分割，因此以下的分类不可避免地发生重叠。文化活动与文化产品大致可以分为如下几大类。

1、日常类

无论是醒着还是睡着，无论是工作还是休闲，

人总处于某种意识状态中。人的一生都在进行文化活动。意识——无论是本能性的潜意识还是有目的的显意识——支配行为，人日常生活中的一言一语、一举一动都是文化活动，言行产生的所有后果都是文化产品。表现于日常生活中的习惯、风俗、传统等都是文化活动与文化产品。

2、纯意识类

纯粹为了表达与交流意识的活动是纯意识类文化活动，纯意识文化活动产生的文化产品称纯意识类文化产品。纯意识类文化活动与文化产品有时也称非物质类文化活动与非物质类文化产品。纯意识类文化活动与文化产品又可分以下几类：

2-1、文本类

语言的唯一功能就是表达与交流意识，语音渗透到人类生活所有领域，语言是最基本的文本类活动与文本类产品。不但说话、书写是文本类文化活动，凡与说话、书写活动直接相关的活动，如讲学、开会、报告、讨论、著书、制定计划、签订合同、发行货币、起草文件、制定法律、法规、政策等也都是文本类文化活动。不但语言是文本类文化产品，凡与语言产品直接相关的产品如著作、各种文书、货币等也都是文本类文化产品。

所有新闻采访、报道等活动都是文本类文化活动，所有新闻报刊、录音、录像等产品都是文本类文化产品。

计算机网络的唯一功能是表达与交流意识，人机对话是人类最新出现的文本类文化活动，进入计算机网的产品都是文本类文化产品。

各种学说与理论研究是文本类活动，它们构成人类知识，知识产品是文本类文化产品。

为了揭开事实真相与利用自然，人类进行科学研究、科学实验、发明创造、设计等文本类文化活动，科研成果是文本类文化产品。

2-2、艺术类

艺术的唯一或主要功能是表达与交流情感，艺术创作与艺术欣赏是一种纯意识类文化活动，艺术品是一种纯意识类文化产品。

2-3、宗教类

神仙鬼怪、上帝、地狱、天堂等是人脑虚构出来的事物，编写神话故事与进行宗教活动是纯意识类文化活动，它们产生的结果是纯意识类文化产品。即使今天大多数人仍然在崇拜、敬畏这些自己虚构出来的事物，甚至进行宗教战争。

3、经济类

有时也称物质类，它又分为两大类。

3-1、物品类

人的所有经济活动，无论体力劳动还是脑力劳

动，都是意识支配下的活动，所有劳动产品都是意识的产物，都是文化产品。

3-2、服务类

直接提供体力或脑力服务。在服务业中，无论是服务者还是被服务者，他们都是具有意识的人，他们的活动都受意识的支配，服务过程既是一个物质过程，又是一个交流意识的过程。服务业提供的服务是一种不同于物品类产品的文化产品。服务又分为营利性服务与非营利性服务。

4、政治类

所有政治活动都是表达与交流意识的活动，如选举、立法、执法、行政、监督、战争等都是文化活动，国家机关、议会、政府、司法、军队、警察、监狱等所有政治机构都是意识的产物，都是文化产品。

四、人类的社会化

人与人关系建立在表达与交流意识的基础上，人类意识是个人意识关系的总和。人类社会建立在意识的基础上，没有人类意识就没有人类社会。意识是基础，文化建立在意识的基础上。

语言的唯一功能是表达与交流意识，人首先是通过语言建立起他们的社会关系的，人类社会首先建立在语言的基础上。没有人类语言就没有人类社会。语言是基础，文化是语言的拓展与延伸。

社会形成后，一个人一旦来到这个世界就进入了当时的社会。一方面社会必须保护个人，另一方面个人需要尊重社会。保护个性不但是社会的责任，也是社会不断发展的动力。尊重他人不但是个人生存与发展的需要，也是个人的社会责任。

五、文化的异化

文化的积极面称文明，从总的趋向而言，人类文化是向着文明方向发展的，但发展的具体行程是曲折的，甚至有倒退。这种曲折与倒退称异化。

人与自然总处于利害关系中，利己既是每个人不可推卸的责任，也是异化的原因。自然灾害是一种异人的力量，人通过自己的努力克服与缓解自然灾害，人改造自然就是人化自然。但人的利己也可能破坏生态环境，比如浪费资源，灭绝物种、污染环境，这是人为的将自然环境异化。

意识的异化导致文化的异化。文化囊括社会的各个方面，异化存在于社会的各个方面。

人的造物往往成为人的异己力量，神仙鬼怪是人类虚构出来事物。尽管宗教创造了许多妙不可言、感动灵魂的艺术，也富含精神文明，但就它的以神性反人性而言，宗教活动是最愚昧的文化活动，战争本来就是最愚蠢的文化活动，宗教战争则是最

愚昧最愚蠢的文化活动。当今人类仍然处于愚昧状态中，也许人类还没来得及觉醒就已经走向自我毁灭。好在人类不可能彻底消灭地球生物，即使人类消失，只要生态环境依然存在，地球就能够进化出新的智类。

欧洲的文艺复兴极大地推动了文明的发展，中国的“文化大革命”则是企图革掉文化的命。

人的意识能力是有限的，愚昧使得人为异化不可避免。个人意识的异化导致社会意识的异化。利益冲突可能使他人成为异己力量。将他人视为异己力量甚至掠夺、奴役他人是人为的社会异化。社会需要协调与管理，而管理的异化是最大异化。专制主义是侵犯人权最大主体，而消除管理异化最好方式就是不断修正的宪政民主。人类应当提倡和平相处、精神生活快乐、物质生活简朴的生活方式。

随着人类意识的不断发展，人对自己与环境的平衡关系的认识越来越清晰，异化逐步被克服，文明程度逐步提高。

六、文化的发展

人类有着怎样的意识状态就有着怎样的文化状态，人类意识的进化决定人类文化的进程。人类本质上是一部人类意识史，文物文史标注人类意识发展过程。考古就是通过文物考察古人意识，研究历史就是研究人类意识史。

人类发展经历了部落时代、语音时代、文字时代、当今正处于网络时代。

部落指具有血亲与姻亲的个体以相对大的规模、持续地居住在一起的群体，血亲建立在血亲意识的基础上，姻亲建立在姻亲意识的基础上，部落建立在部落意识的基础上。

群居与直立行走是动物进化为人类的两个必要条件。群居可以使表达意识的叫声代代相传，直立不但可以将手掌解放出来，而且为大脑与发音器官的进化创造了条件，人脑的发达尤其是顶叶面积占有相当大的比例就是明证，其结果就是使语音最终得以形成。人类脱离动物是一个数以百万年计的漫长过程。

在叫声进化为语音的过程中，语音的不断发展促使人脑额叶面积不断增加。人还是动物时，就已经能够利用天然物做工具，然而没有语音的出现，人类就不可能进入石器时代，不可能使用火，不可能搭建房屋，不可能创造神话。语音的出现使人类意识能够以代代相传的方式被记忆下来，语音的形成过程也是群居动物人进化为社会人的过程。

文字可以跨时空地保留人类意识，文字的记忆功能远远超过语音。虽然文字的出现还不到一万年，但对人类发展有着极大推动作用。文字不但创造了光辉灿烂的中国先秦与古希腊文化，而且创造了飞

跃发展的工业文化。

即使从电报电话算起，网络时代也不过几百年。如果说工具是人体力的向外延伸，那么计算机就是人脑力的向外延伸。计算机网络的出现使全球人都能够以狭义信息的方式即时地交流意识。

一方面人类对世界的认识越来越深刻，即广义信息转换为意识的广度越来越大，另一方面人们是以狭义信息的方式交流意识的，故网络时代又称信息时代。知识不但可以丰富意识，而且始终是推动人类文明进步的动力，网络时代不但知识传播快捷，而且发明创造的速度显著提高，故网络时代又称知识时代。在网络时代前，体力劳动者数量占绝对优势，而近几十年体力劳动者数量逐渐减少，脑力劳动者数量逐渐增加，无产阶级正在消失。在发达国家，不但白领人数已经远远超过蓝领人数，而且人们的工作时间在减少，学习、休闲、娱乐时间在增加。物质文化活动时间比例减少，纯文化活动时间比例增加，物质文化产品比例减少，纯文化产品比例增加。人类异化程度在逐渐减少，而民主形成的文明程度越来越高。物质对人的束缚越来越小，人的自由度越来越高。随着人类意识越来越丰富，人类文化活动与文化产品越来越纯意识化。总之人类文明正在加速走向纯意识化。

人类意识不但具有时代特色，而且具有地域特色，由此文化不但具有时代特色，而且具有地域特色。几乎可以肯定，人类不是唯一的智类，地球人意识与文化还具地球人特色。

随着人类意识与文化发展越来越快，人类社会发展也越来越快，随着人类意识与文化全球化，人类社会也在全球化。全球化不应该是抹杀个性，而是需要在更广更深的意义上保护个性。

第三章. 新哲学

将本文的上述两章合起来构成新哲学，这里再小结一下。

事物相互作用的过程既是一个物质过程又是一个意识过程。以太场既能够相互吸引又能够相互排斥，以太场既具物质性又具意识性。以太场世界无边无际且无始无终，以太场无处不在且无时不在。以太场是世界的本原，世界既具物质性又具意识性。物质运行受对立统一律、因果律、守恒律、自洽律等规律控制，意识活动则不受这些规律约束。

物质结构的复杂化与意识的高级化同步进行，物质是意识的载体，意识是物质进化的动力。构成质子、中子、电子等基本粒子的核场、万有场、电场、磁场等是以太场的转化形态，基本粒子结构复杂于以太场，基本粒子意识高级于以太场。核子结构复杂于基本粒子，核子意识高级于基本粒子。原子、分子结构复杂于核子，并且核子结构非常稳

定，原子、分子结构既稳定又灵活，原子、分子意识高级于核子。

生物大分子由生物小分子链接而成，生物小分子不具有生物意识，生物大分子具有生物意识。生物大分子短链与长链之间没有严格的界线就是生物与非生物以及生物意识与非生物意识之间没有严格的界线。生物大分子的形成既是非生物体进化为生物体的关键点，也是非生物意识进化为生物意识的关键点。细胞是生物大分子构成的系统，细胞能够进行新陈代谢、中心法则、趋生避死、趋利避害等生命活动，说明细胞已经具有相对完整的生物意识。

神经元由细胞分化而成，神经系统是生物意识进化的产物，神经系统是意识系统。神经系统能够进行记忆、感觉、情觉、性觉、知觉、意志等显意识活动。

意识的表达称文化。动物不但能够借助于神经系统自主进行情感、认知等高级的意识活动，而且能够以表情、肢体动作、叫声等表达与交流意识。当今的任何一位动物学家都会告诉我们，动物的每一物种都有其独特的文化。实际上每一种类事物——无论是生物还是非生物，都有其独特的文化。同一学科研究同一种类事物的文化，不同学科研究不同种类事物的文化。人类意识与文化在动物意识与文化基础上形成。没有人类意识，人类不过是一群动物。没有生物意识，生物不过是一堆石块。

人类意识不但能够进行相对独立的意识活动，而且具有控制功能，如回忆、喜怒哀乐、判断推理等既是意识的独立活动，也是一个自我控制的过程。人的意识还能够控制自己的行为，然而，尽管人的意识活动是充分自由的，也能够根据自己的情感、知识、意志进行创造活动，但意识一旦控制行为，

行为就受物质规律控制，人不可能揪着自己的头发将自己提到空中去，人不可能随心所欲。

人与动物的根本区别在于人能够进行概念思维，能够用语言表达与交流意识，从而能够创造出人类文化。人的行为——无论是本能性的潜意识行为还是目的明确的显意识行为，它们都受意识的支配。人类的所有活动都是文化活动，人类所创造的一切都是文化产品。人类社会是人类意识的产物，人类社会建立在人类意识的基础上。

意识决定文化，有着怎样的人类意识就有着怎样的人类文化与社会，人类意识发展史决定人类文化与社会发展史。

以太场是世界的本原。除了具有物质性与意识性之外，以太场还具有数量性、规律性、空间性、时间性等属性。古希腊毕达哥拉斯万物皆数论认为数是世界本原，数崇拜的鬼魂至今徘徊在科学界。事物运行的规律性导致西方逻辑学派的产生，该学派认为规律是世界的主宰者。爱因斯坦相对论只是一种关于时空的哲学猜想，不属科学范畴。

唯心主义者认为意识是世界的本原，意识第一，物质第二，比如上帝创造了世界，实际上神仙鬼怪、灵魂、天堂、地域等都只是意识虚构的产物，它们都不具物质性。唯心主义虽然崇尚精神文明，但也令人迷失方向。唯物主义者认为物质是世界的本原，物质第一，意识第二，认为意识是物质的派生物。唯物主义是物质利益至上与战争的哲学根源。二元论认为物质与意识都是世界的本原，但它们各自独立存在，比如认为人死就是灵魂离开了肉体。唯心主义、唯物主义、二元论都有其合理的一面，但它们都失之片面。去伪存真，综合各种哲学派别即可产生新哲学。

4/12/2015