

Research on the Predicament and Outlet of the Development of Modern Science and Technology

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Abstract: Today's human beings are involved in the dilemma of technology development. It is necessary for human beings to get rid of the dilemma of technological development. We must not only pray for the development of science and technology, but also suppress and eliminate the progress of science and technology. The grim reality has put us on a path of sustainable development of science and technology. However, this is a road full of difficulties, distortions and turns. Among them, the influence of “politicization” of science and technology, the restriction of “commodification” of science and technology, the obstacle of “privatization” of science and technology, and the boundaries of human understanding. Also, the shackles of the cultural concept of destruction. In order to realize the sustainable development of science and technology, we will re-establish the social responsibility of science and technology personnel, strengthen the construction of science and technology legislation and science and technology ethics. Actively promote science and increase citizens' participation in science and technology.

1. Introduction

The development of modern science and technology shows the contradictory facts of human beings. On the other hand, it is about the tremendous progress of human society and the tremendous improvement of social life. Intelligent robots, atomic energy utilization, organ transplantation, DNA interpretation, genetically modified crops, animal cloning, network virtualization, cosmic travel and so on, science and technology are living “scientific” methods, then create a new way of life, on the other hand, the crisis of human survival is absolutely not deepened. The result of conquering nature deepens the contradiction between man and nature. The relationship between human beings and mothers is becoming more and more alienated. Uncontrolled exploitation of the earth's resources has led to insufficient resources, energy depletion, environmental degradation, serious imbalances between endangered species and ecology. It is pointed out that the correct scientific and technological achievements are applicable. Destructive wars bring more destructive results than unprecedented wars. The survival of human beings and organisms brings about a destructive threat to the earth. Overdependence on technology leads to the exclusion of human nature. Human beings are increasingly aware of the value of life and the significance of existence, the loss of personality, the extinction of families, utilitarianism, violent money worship, violent materialism, the loss of the spiritual motherland, the lack of humanitarian care, and the confusion of action. And spiritual civilization is declining. Nowadays, mankind is in a dilemma of technology development. We are fully enjoying the advantages and advantages of modern technology. We need to taste the bitter fruits we bring. It is necessary for mankind to get rid of the dilemma of technological development. As a scientist, it is not to imagine, but to pray for the development of science and technology, but to curb or cancel the progress of science and technology, which is the idea of humanitarians. The harsh reality does not allow us to make choices. The sustainable development of science and technology, that is, the combination of the development of science and technology and social development and human development, as well as the regular purpose, should be taken as a new road. The internal scale of human beings and the external scale of the objective world, as well as regional interests, overall interests, immediate interests and long-term interests, on the one hand, promote the development of science and technology and improve human welfare. On the other hand, rational use. Scientific and technological achievements will reduce and avoid possible negative effects. But this

is a road full of difficulties, twists and turns.

2. The Dilemma of Sustainable Development of Science and Technology

It is difficult for human beings to truly control the horse of science and technology, get rid of the dilemma of technological development and realize the sustainable development of science and technology. Not only by political, economic, military and other aspects, but also by the influence of social culture and values, and many other constraints.

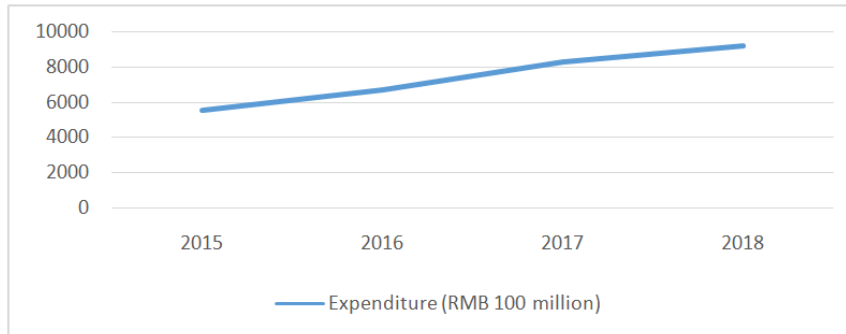


Fig.1. Expenditure on scientific and technological research and experimental development in China from 2015 to 2018

2.1. The influence of “politicization” of science and technology

More than half a century ago, Lenin pointed out in his analysis of the development history of modern international political model that the miracle of science and technology has become an important means for imperialism to divide the world and influence the political pattern. After the Second World War, especially since the emergence of high-tech, science and technology, the formation and transformation have laid a solid foundation for the change of world political structure. All countries in the world today regard technological power as their development strategy, just like the United States. The strategic goal of American political strategy is to seize global hegemony, seize technological advantages and promote the global American national political system. To this end, while fully realizing the “Star Wars” plan, we will focus on the development of 22 key national technologies, which play an important role in guiding the development of high-tech. In the past, as the second revolution of the United States, the U.S. government put forward the strategy of promoting high-tech development. I believe it is a revolution that brings the beauty of world peace and human freedom to the United States. Japan, the European Union and Russia are also unwilling to lag behind. They have developed unique strategies to strengthen the country through science and technology. My dream is to develop and introduce advanced technology as a powerful country, even in developing countries. The world's technological competition has intensified and the pace of politicization of science and technology has increased. Science, technology and politics are mutually reinforcing. Powerful scientific and technological forces can not only demonstrate economic capacity, but also play a chipping role in direct political consultation. Powerful political forces have created conditions for further control of the world's most advanced technologies. The result of the politicization of science and technology has accelerated the development of science and technology, and the hard horse of science and technology is becoming more and more difficult to control.

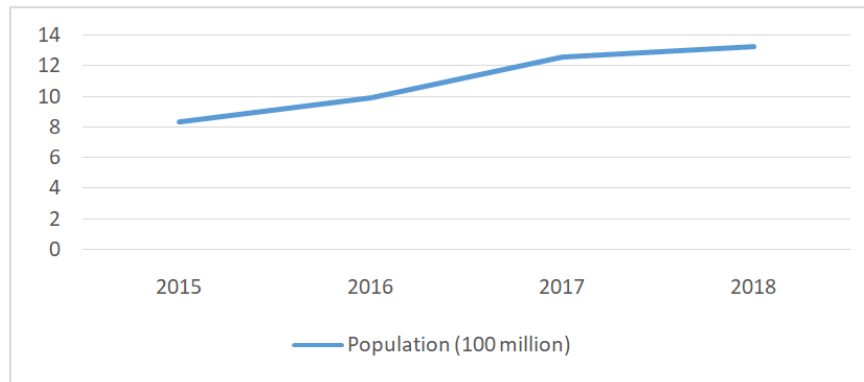


Fig.2. The change map of the number of netizens in China

2.2. Restrictions on the commercialization of science and technology

In today's highly commercialized society, the “behind-the-scenes role” of technology commercialization is manipulated, the market driven by interest is dominated, and then only one speech by British Prime Minister Tony Blair is mentioned. Some enterprises and governments neglect the use of scientific and technological achievements for the economic interests of minorities, individual groups and individual countries. For example, Marx's capital openness seized the world in this storm, and openly brought benefits and social benefits to others. Abuse of resources and blind development and production will not only directly harm consumers in countries and other countries, but also cause environmental pollution and ecological damage. Modern scientific and technological research is to increase costs, scientists are more harmful to society or may bring about negative impacts, in order to engage in the good intentions and harassment of scientific investors or speculators, happier and resigned. The commercialization of research and experimental science and technology limits the sustainable development of science and technology.

2.3. Obstacles to privatization of science and technology

Today, science and technology have been very fragile democratization, which has been pushed to the brink of extinction by the process of “technology privatization”. Just as they become more and more economically and politically involved in military affairs, scientists must succumb to the necessary conditions for trade in secret freedom, military secrets and national intelligence security. It also undermines the public principles of free exploration and expression. Several scientific research projects have not been made public, and many scientific experiments are conducted in secret. Knowledge is no longer regarded as the common property of all mankind. The free exchange of information and opinions is limited to a very narrow range. Science loses its vitality through exchanges, academic discussions and peer reviews. It is hypocritical to lack the participation and supervision of citizens in scientific work.

3. Way Out for Sustainable Development of Science and Technology

People are the main body of scientific and technological activities. People have created science and technology in order to promote the development and progress of science and technology. Therefore, people have the ability to hone technology and use their own interests to achieve the sustainable development of science and technology.

3.1. Renew ideas

Science and technology are a productive force, a lever to promote social progress, and the cornerstone of modern industrial civilization. However, the role of science and technology in society is always carried out in a certain form of production, and is often influenced and restricted by economic system, political system, cultural concepts and social ideology. In the complex system of modern society, technological factors play a very important role, but technology is not omnipotent. The new concept of science and technology is to look at science and technology and

science itself with scientific spirit and rationality. Science is not sacred. It can only look up, no doubt, no mystery. That is an unbelievable, unrecognizable God. Science and technology are not omnipotent. Technology is bounded. Science and technology can not solve all problems, especially the human spirit. In fact, some great scientists have achieved the limit of technology, they oppose the “infinite expansion” of technology. On October 19, 1931, Einstein blessed justice in his letter. [2] The letter, which began in September 1937, said: “Not only knowledge and technology, but also human life can not bring happiness and dignity. It should not be forgotten. Human beings are more objective in discovering truth than preachers of lofty moral standards and values. In my opinion, the contributions of Sakyamuni, Moses and Jesus to mankind far exceed those of the wise.

Science and technology is not a pure natural world that has nothing to do with human beings. The world view of all technologies belongs to the projection of human history. As a creative activity of human beings, science and technology are the main body of human activities. Therefore, they must be closely related to the main forms of human beings and have excellent value relevance. In the deep structure of scientific and technological theory, it is often the main factor of logic, intuition, value, aesthetics, morality and belief. Scientific and technological achievements and their application cannot go beyond the premise of epistemology and axiology. The essence of the new concept of culture is the combination of scientific culture and human culture, and the unity of scientific spirit and humanitarian spirit. Scientific spirit is the driving force and propeller of the development of science and technology. Scientific spirit promotes people's rationality and pursues objectivity and reliability of understanding. Generations of scientists and technicians, the energy of life and the pursuit of things have promoted the development of science and technology and produced fruitful results, which are the guidance of scientific spirit. The human spirit is the navigation device for the development of science and technology. The human spirit respects human values, pays attention to people's soul life, points to people and advocates good and beautiful. Science and technology are uncertain. They bring benefits to human beings and human beings at the same time. The greater the technological progress, the greater the uncertainty. Whether science and technology can bring happiness and disaster to mankind depends entirely on themselves. The key to science and technology can open the doors to heaven and hell. The open door is dominated by human spirit. Only under the guidance of human spirit can science and technology develop in the direction of making the greatest contribution to the good development of mankind. Moreover, the greater the impact of more developed science and technology on human society, the greater the dependence of human beings, the greater the negative effects of science and technology. In order to evaluate the development and application of science and technology, it is necessary to use the spirit of human nature. In a word, without the support of scientific spirit, the development of science and technology will lose the impetus of progress. Without the guidance of human spirit, the development of science and technology will lose its direction. Deeper Combination of Sustainable Development of Science and Technology.

In early 1972, the United Nations Conference on the Human Environment issued the Declaration on the Human Environment. Result. Because of ignorance and ignorance, our life and happiness may bring enormous irreparable damage to the earth environment on which we live. On the contrary, we can use more knowledge and wiser action to enable ourselves and our next generation to live a better life in more environments according to human needs and expectations. Establish a sense of global unity and construct a universal world ethic that actively promotes the concept of global interests. Man has only one earth. It is the common home of mankind, and the resources of the earth are limited. Despite the enormous conflicts of interest between countries and countries in these limited living spaces on Earth, the common destiny of mankind is above all else. All responsible governments and enterprises can not ignore the common interests of mankind and the long-term interests of mankind for the long-term interests of the country.

3.2. Reshape responsibility

Technology is not completely neutral. Basically, any scientific and technological achievements will eventually be used for human activities. Therefore, they will encounter the value of those who

are harmful or beneficial. Moreover, with the rapid development of science and technology, the results will become larger and larger. The problem of choice becomes larger and clearer. Scientists are not only legislators to judge the legitimacy of human knowledge for their professional authority, but also judges to judge whether knowledge can be used. Therefore, he does not care about the results of his work, whether they are useful to human beings or whether the results of scientific applications are better or worse, nor can he adopt an attitude of indifference. Otherwise and crime, “the purpose and significance that scientists often study shows that mass killing is used, operated, and restricted or stopped for the sake of freedom, specific measures should be required for research results. And please violate all human inhumane purposes.

3.3. Vigorously popularize science and improve public participation

Science is the cause of the masses. It can't be monopolized by a few people. This means that the results of science ultimately serve society and the public (citizens are the ultimate consumers of scientific and technological achievements). So citizens have rights. Participate in the discussion of scientific topics, participate in the formulation of scientific and technological policies, establish a scientific and technological system, and have the right to co-ordinate scientific and technological activities. We have the right to evaluate the positive and negative effects of science and technology. Modern technology is often a huge state-funded project, but also taxpayers, why their money is built on particle accelerators, or in order to build spacecraft, it is necessary to use the right to ask questions, change the environment or eliminate air pollution. People have the right to decide what kind of science we need. However, the increase of public technology participation plans will depend on the improvement of public science and technology literacy. Therefore, it is necessary to actively carry out popular science popularization, popular science education and scientific exchanges. One is to promote and popularize scientific and technological knowledge. Understand scientific and technological knowledge and accept scientific and technological knowledge. This is the precondition for citizens to participate in scientific and technological activities.

4. Conclusion

In short, it is difficult for human beings to get rid of the dilemma of technology development and realize the sustainable development of science and technology. However, technology is man-made and man-made after all. As the main body of scientific and technological activities, it is not only necessary, but also drift the “fast horse of science and technology”.

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