

Research on the Method of Aviation Culture Transmission based on the Perspective of Cultural Education

Wenxin Xu

Xi'an Aeronautical University, South Tuanjie Road, NO.259, Xi'an, China
343172630[at]qq.com

Abstract: *Universities are important places to cultivate talents. Aeronautical Universities and colleges have trained a large number of professional and technical talents in the field of aviation. Besides, aviation culture have a profound effect on the development process of China's aviation industry, which plays an important role in both cultural education and national strength. Through the analysis of the main content of aviation culture, this paper actively explores the new function of aviation culture. For one thing, it could promote the training of aviation talents, and for another, it will help the development of China's aviation industry.*

Keywords: Cultural education; Aviation culture; Cultural transmission

With the continuous improvement of comprehensive national strength, China's aviation industry has developed rapidly. Aviation culture is a material culture and spiritual culture formed by continuous innovation and practice in the development process of China's aviation industry. It has distinct aviation characteristics and is an important part of China's socialist culture. As the main places for higher education platform, colleges and universities have made important contributions to the training of talents, while aviation colleges and universities have distinctive characteristics in the field of aviation. In the aspect of cultural education, aviation culture play a vital role of ideological and political education.

1. The definition of aviation culture

Aviation culture is the culture created and refined in the development of China's aviation industry. With the rapid development of modern society of China, the content of aviation culture in China has gradually become diversified. Aviation colleges and universities tend to integrate their aviation culture in teaching activities. Publicizing aviation culture can also help students establish a correct outlook on life and values which also promote their healthy development.

1.1 The emergence and development of aviation culture

Aviation culture develops with the continuous progress of society. In ancient times, human beings have had the dream of flying. On the one hand, the ancients want to explore the magical universe, on the other hand, people have strong desire of flying. Due to the low level of science and technology, the ancients cannot make their dreams come true. While in the process of exploring, we've had a breakthrough to create a lot of flying equipment. For example, like dragonfly, kites, Kongming light and so on. The flight tool symbolized crystallization of human wisdom, especially for the invention of the kite, not only covers the aircraft aerodynamic lift, the traction force, gravity, etc., but also included information on air flow, which made important

contributions to the invention and creation of aircraft.

With the continuous improvement of modern science and technology, China's aviation industry has developed rapidly. Some aviation technologies such as fighter aircraft, unmanned aerial vehicles and rocket vehicles have made gratifying achievements. In conclusion, aviation culture is also constantly enriched and diversified with the development of aviation.

1.2 The main content of aviation culture

Broad sense come to say the aviation culture is the complex of material and spiritual culture created by human beings in the process of aviation practice. Its content is mainly divided into two aspects. First, the material culture, which including aircraft, airborne systems, airports, engines and other aviation technologies. These material cultures can be subdivided. For example, aircraft can be divided into different directions of use, such as civilian, military and scientific research according to the different users. It can also be divided into unmanned aircraft and manned aircraft according to the pilot's driving mode. Second, the spiritual culture. In the long history of human being, aviation culture has always been developing around the spirit of freedom, science and innovation. The core of aviation culture is the spirit of freedom. The pursuit of the spirit of freedom reflects the continuous exploration of human beings in the field of aviation. The scientific spirit highlights the quality of aviation culture, Mankind has tried to make their dream of aviation come true through a lot of scientific exploration. While the spirit of innovation is the first driving force for the development of aviation culture. It is because of the spirit of innovation that aviation industry that will constantly developing new terminologies and made remarkable achievements.

1.3 Aeronautical colleges and cultural inheritance

The development of China's aviation industry needs a large number of technical talents. At present, China's major

aviation colleges and universities such as Beijing University of Aeronautics and Astronautics and Civil Aviation University of China, which have certain scientific research advantages in the field of aviation. Moreover, most of the majors in other departments of the university also serve the aviation industry, which involved distinct aviation characteristics. In addition, there are some higher vocational aviation colleges that mainly focus on training technical personnel in aviation equipment repair.

Aviation colleges and universities play a vital role in promoting the inheritance and development of aviation culture. First of all, aviation colleges and universities have a sound aviation knowledge promotion and training system. Secondly, the major of each department in the school is more or less related to aviation. It is highly useful for students to accept aviation knowledge and culture. Aviation culture has its particularity, which promotes China's socialist modernization construction. Also, aeronautical technology occupies an important position in the field of science of the country. Aviation colleges and universities gradually strengthen the dissemination and promotion of aviation culture to students, so that the public can better accept aviation culture. Making the public better accept aviation culture is conducive to promoting the development of aviation colleges and universities, while the development of aviation colleges and universities can promote the innovation and progress of aviation culture. Consequently, to find out the balance point for them is important and advantageous for their mutual promotion. Thirdly, aviation culture has the characteristic of hardworking, technological innovation and dedication. Obviously, it belongs to the strategy of developing a strong culture and a unique aviation cultural environment which requires aviation colleges and universities to pay attention to cultivating students' spirit of patriotism and contributing to the society by carrying out diverse teaching activities. Finally, the development of aviation culture can improve both social influence and social status of aviation colleges and universities. It would attract more talents to devote themselves to the aviation industry. As the training base of aviation talents, it is essential that aviation colleges and universities continuously provide high-quality talents, developing important scientific research achievements in the aviation field. Overall, with the help of universities that dedicated to widely spreading aviation culture which lay a solid foundation for the development of China's aviation industry.

2. Analysis on the function of aviation culture education

2.1 Guide function

The guiding function of aviation culture is mainly embodied in standardizing the moral category of students. Regulate behavior of college students to the appropriate ways conform to the national and social rules and norms. It is also a cultural function for aviation culture to take its own internal and excellent cultural development direction as the guide to carry out necessary education for students. Aviation culture with its own professional advantages, combined with political and ideological education, which are helpful to cultivate students' ideological and moral quality. Since the founding of the

People's Republic of China, a number of outstanding aviators with the aviation spirit have emerged. They stick to the idea of serving the country, making brilliant achievements in the aviation industry with their indomitable fighting spirit. It is why China's national defense construction and social construction get rapidly expanding in recent years.

Aviation colleges and universities have a long history on widespread culture of aviation. Schools mainly focus on building students' enthusiasm for aviation. Some of universities would like to go further still. Given an example for making students firm their faith in aviation service to the country and improve their ideological and moral quality. The process of cultivating students usually takes quite a period of time. Some negative and negative wrong values cannot be avoided. Therefore, aviation colleges and universities should strengthen the guidance of students, not only take corrective action on students' thought to the behavior, but also guide students to make contributions to the development of society.

2.2 Cooperation and unity function

The fast development of China's aviation industry are inseparable from the spirit of unity and cooperation. During the college years, students gradually grow in both intelligence and physical fitness. They will form a strong sense of social identity and belonging of being the aviation trainee before graduation, which would support them to better fit in their jobs in the future. On the one hand, aviation industry involves a wide range of fields or different technical challenges that requires technical talents in various fields to make a concerted effort to complete on time. On the other side, the administration, including policymakers, should take aviation engineering as a priority project that attract large number of technical talents in multiple fields to join in.

These actions stimulate people's enthusiasm in work as well as enable them to get spiritual satisfaction when making contributions to their aviation career and achievements. Cooperation and unity is needed both at the individual level and at the national level. The educational of aviation culture can promote collaboration among students and ensure that students have a positive working attitude. Aviation colleges and universities should combine professional skills training with aviation culture education to fully tap the potential of aviation special advantage. Also, studying domestic aviation culture could arouse the patriotic enthusiasm of students and enhance the sense of belonging and identity of teachers. The final goal is to establish a correct outlook on life and values, which means to build a unity society. With the higher degree of participation in aviation industry, local economic will definitely be fast developed. In other words, national prosperity of aviation based on widely spread of aviation culture education.

2.3 Incentive function

Aviation culture in universities plays an important role in students' educational activities. On the one hand, aviation culture helps to stimulate students' creative potential and arouse their enthusiasm for learning. On the other hand, aviation culture can help schools create a practice platform for students with sharing the teaching resources. By

organizing students to participate in aviation activities or competitions that highly motivated their interest in learning specific skills. In addition, learning the heroic deeds of predecessors in the aviation field not only promote students to learn the patriotic spirit of dedication to the country, but stimulate students' national self-esteem and self-confidence that are helpful for students to establish correct aviation beliefs. An old saying goes "A country's principal resource is its brainpower." It means college students are the symbol of China's future development and progress. Correspondingly, they are the effective driving force for China to step onto the international stage. Colleges and universities should spare no pains to reach the highest standard of incentive function which will quickly accelerate the development of China's aviation industry.

2.4 Standard management function

The operation of the country needs standardized management. So as aviation industry. If the aviation industry has the outstanding management team and strict quality standard, which would ensure the stable quality of product and improve. This suggests that self-continuous improvement needs system supports and regulatory framework as the premise. Moreover, restrain individual behavior and improve students' noble beliefs which are the first step these talents tend to be trained. Without systematic learning aviation culture, individuals may not fully understand or accept some abstract concept of aviation. In other words, aviation culture has absorbed a variety of excellent traditional cultures in the development process of China's aviation industry, which including aviation system culture, aviation system rules or spiritual carrier, etc. It has become an excellent representative of China's socialist modernization. Therefore, in the education activities of colleges and universities, we should pay more attention to cultivating students' awareness of how to adapt to the system and abide by the rules. It is in schools that we learn the information we need to function in our society.

2.5 Science and innovation function

Science and technology are the primary productive forces. The innovation of science and technology are the crystallization of human development. Especially the aviation industry is based on the China Academy of Aviation Sciences. Furthermore, build industry-led innovation leader enterprises on in aviation industry that will help to tackle much more difficulties. There are variety of technical requirements and details need to be fixed. The entire strength of leading aviation enterprises directly related to the effect of aeronautic industrialization operation. It is educational activities of aviation colleges and universities that provide talents. In other words, it is necessary to pay attention to the cultivation of students' scientific and innovative spirit which also include highly promote students to fully study aviation culture and knowledge. Only by constantly innovating both talents and educational systems can the aviators maintain the vitality of the aviation industry and promote the continuous progress of aviation science and technology. Therefore, a national laboratory in the field of aviation should be established. Forming a complete aviation system should be deliberate carefully.

3. Conclusion

As the rapid social development of China's economic progress and aviation technology, aviation colleges and universities should strengthen aviation culture education for students. Simultaneously, improve aviation culture education systems and explore aviation field educational methods should be put on the national strategic. Both education institutions and aviation enterprise should advance the exchanges and cooperation in all areas in an all-round manner and continuously enrich the connotations of bilateral strategic partnership, which would make more individuals to dedicate themselves to aviation industry. Consequently, it seems almost inevitable that aviation economies will be primarily oriented toward higher education. By analysis on the function of aviation culture education, reaffirming aviation culture transmission based on the perspective of cultural education role as the national engine of scientific discovery and technological innovation has never been more critical.

References

- [1] Lihuiwen "Considerations on the communication strategies of aerospace culture from the perspective of cultural education." [J]. Education, 2019 (7) ,62-63.
- [2] Zhoujianhua, Liupengtao Analysis on the education function of aviation culture in aviation colleges and universities, [J]. Journal of Xi 'an Aeronautical University, 2017 (2),83-87.
- [3] Linyangyang, Research on Social Ideal Education of College Students under the Background of building a moderately prosperous society in all respects. [D] Henan Agricultural University 2014
- [4] Gaodelun, Investigation and study on the construction of class culture in colleges and universities and its main countermeasures, [J] Journal of Nanchang Institute of Education. 2017

Author Profile

WENXIN XU received the Master's degree in Chinese language and literature, Faculty of Humanities from The Hong Kong Polytechnic University in 2015. From 2017-2021, she works as an assistant engineer in XI'an Aeronautical University.