Research on the Cultivation of Documentary Thinking Mode in the Teaching of Radio and TV Directors Based on Computer Aided Technology

Liyuan Guo1,*
1Xi'an Peihua College Media College, Xi’an, China, 710125

*Corresponding author e-mail: 76317119@qq.com

Abstract. In recent years, the economic development has promoted the prosperity of cultural undertakings, and has also given the broadcasting and television industry a broader prospect and constantly satisfying people's spiritual and cultural needs. Radio and television directors should further create works that are more novel and meet the needs of people's lives. Through the use of computer-aided technology, this article first deeply explores the practical value of the recording and thinking training of broadcast and television director, and puts forward suggestions and measures, hoping to contribute to the development of China's radio and television industry. Only pay attention to the development of the recording and thinking of radio and television directors, promote development with record-based thinking, make radio and television programs more adapt to the trend of the times, provide better TV programs for the public, and promote the healthy and sustainable development of the entire industry.

Keywords: Radio and Television Director, Recursive Thinking, Training, Computer-aided Technology

1. Introduction
Since the reform and opening up, China's economy has developed rapidly. People's demand for the spiritual field has promoted the emergence and development of new media. This has caused the traditional radio and television industry to suffer, and the transformation of radio and television media is imperative. This requires China's radio and television directors to produce more different types of special programs, focusing on the cultivation of record-based thinking. Only in this way can we better ensure the continuous development of the broadcasting and television industry and better stand in today's highly competitive media industry[1].

2. The significance of the cultivation of recording and recording thinking in radio and television

Recording thinking is a thinking activity in which humans have a broader understanding of new fields and new achievements. In radio and television programs, the recorded recording thinking directly determines the success or failure of program production, which is of great significance\(^2\). Recording thinking does not mean to use the unconventional way, such works will not be subject to the audience. The true recursive thinking is that radio and television directors can use divergent thinking and three-dimensional thinking to combine multiple ways of thinking to create, to a certain extent, to enjoy a different visual and aesthetic experience when the audience appreciates the work. Radio and television directors should have high quality and rich professional knowledge, apply knowledge flexibly to record thinking, break through traditional understanding and concepts, and have new developments and breakthroughs in new things and new fields, creating for society. More products with spiritual value make the content of radio and television programs more novel and more diverse, and have more practical significance. In this way, we can promote the development of China's radio and television industry, enrich people's daily life, and at the same time meet the development requirements of modern society\(^3\).

3. Factors influencing the recording and thinking of radio and television

In the process of cultivating record-based thinking, radio and television directors must first learn the basic knowledge, and secondly receive more training on thinking creation and recording thinking, and better find the starting point of new thinking in the creation. For example, in the process of creation, TV works are usually carried out by using the mode of collective creation. This mode will also hinder the members' creation of results, which will also have certain hindrance effects, as shown in Figure 1 below:

![Figure 1. The actual influencing factors of record thinking](image_url)
As shown in Figure 1 above, if the TV director is not solid, it will result in poor program performance, and the program is also affected by the quality of the personnel. If we only pay attention to attracting viewers and improving viewership, it will cause thinking activities to be carried out around its market interests and values. The thinking of radio and television choreography will have certain limitations, and it will be impossible to carry out better documentary thinking. Creative thinking cannot be applied[4].

4. Training methods for broadcasting and television recording and recording thinking

4.1. When designing a program, identify the program positioning
In the process of cultivating the recording and thinking of radio and television, the most important part is to locate the positioning of radio and television programs. If the positioning is relatively accurate, it is easier to grasp the degree of creativity in the process of recording thinking, and the optimization of the program is very Great role. In addition, we must learn to observe life, find the necessary recording thinking materials according to real life, use different visions to combine the lenses, find the desired picture, and form a novel narrative structure. Finally, we must pay attention to the ability to train radio and television choreographers, so that they have more practical opportunities, get out of the traditional linear thinking structure, form divergent thinking and three-dimensional thinking, so that the program is more vivid and full, and fully stimulate the audience's senses[5].

4.2. Pay attention to details and build a new editorial thinking
Art comes from life, social needs and the style of the times can be visually displayed through radio and television programs. Therefore, in the process of producing programs, we must pay attention to the development of the times, master the law of development, firmly follow the pace of development of the times, and satisfy the contemporary people. Under these conditions, reasonable record thinking is carried out, and its development path is as shown in Figure 2:

![Application of Recording Thinking Mode in Radio and TV Choreography Teaching](image)

Figure 2. Application of Recording Thinking Mode in Radio and TV Choreography Teaching

In Figure 2, it can be found that most people's thinking is habitual cultivation. In the long-term cognitive activities, habitual thinking is one-way and affects people's thinking. In the process of cultivating radio and television choreographers, if we can combine thinking and recording thinking well, we can complete the creation of art in the process of recording thinking, and at the same time effectively improve the quality of the works and greatly promote The development of radio and television recording and recording thinking ability makes it fully combine theoretical knowledge with
practice. Therefore, it is more important to grasp the details in the production. Only by paying full attention to the details can the program be best[6].

4.3. Introducing new editing methods into the work
In art creation, inspiration is the most important content of recorded thinking. People subconsciously process the information collected by consciousness, and expresses it through certain rules and phenomena. Using a new editing method, combined with computer technology, using computer programming, importing fixed content, which can effectively improve work efficiency and reduce subtle errors caused by manual editing.

4.4. Unique editorial thinking is the key to record thinking
In the present, only documentary thinking can develop, and record-based thinking is the driving force behind the development of the industry. Radio and television directors must have unique editorial thinking. In line with people's viewing needs and cater to people's psychology, the following Fourier formula can be used to evaluate and analyse editorial thinking:

\[ f(x) = a_0 + \sum_{n=1}^{\infty} (a_n \cos \frac{n \pi x}{L} + b_n \sin \frac{n \pi x}{L}) \quad (1) \]

Secondly, establish a combination of forward and reverse thinking forms, further improve and perfect the thinking system, effectively integrate record-based thinking and the spirit of the times, and realize the record-based thinking of TV programs through production forms to achieve good broadcast. The effect makes it influential.

5. Conclusion
With the rapid development of society and continuous advancement of computer technology, emerging media are increasingly emerging, and radio and television programs have suffered a lot from the impact. In today's fierce competition, it is necessary to strengthen the cultivation of the recording and thinking ability of radio and television. In daily work, radio and television directors should combine record-thinking thinking with practice, use computer technology as an auxiliary tool, improve the ability of recording thinking, be good at discovering life, summing up life, constructing a creative knowledge structure, and creating a large number of creative radio and television works. In the work, the radio and television directors should adopt a new editing method, systematically conceive the whole system, create more works with the significance of the times, and make them have a record-oriented thinking concept to better promote the radio and television industry in China.

References
[1] Yu Shaojie. Thoughts on the Professional Positioning of Radio and Television Directors from the Perspective of Communication[J]. Selected Journals of Little Writers. 2016, (9).300-302.doi:10.3969/j.issn.1671-0487.2016.09.365.
[2] Lu Yiru. A Quasi-Experimental Study on the Application of Shot Pro Software Microfilm Creation Course [D]. Shanghai Normal University, 2019.
[3] Zhang Yiliu. Discussion on the creative skills of TV directors in the all-media era [J]. News Research Guide. 2017, (1). 205-205, 207.
[4] Zhao Jingru. Analysis of University Micro-examination Mode [J]. Wireless Internet Technology. 2018, (4). 205-205, 207.

[5] Li Yang. Experimental Teaching of "Form Composition" Course in Radio and Television Directing Major[J]. Art Exploration, 2010, (1). 83-84.

[6] Chen Zhuowei. Research on Experimental Teaching Reform of Radio and Television Directing Specialty[J]. Journal of Chengdu University of Technology (Social Science Edition), 2009, (2).95-98.