Library Cataloging Work under the Background of Computer Network

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Abstract. With the rapid development of computer technology and network technology, the development of various social undertakings has gained new impetus. The cataloging work of the library has gradually changed from manual compilation to computer operation and networking. Online joint cataloguing links the catalogue resources of each relatively independent literature institution with computer network technology, forming a relatively unified and synchronous joint catalogue database. On the one hand, under the background of computer network, the efficiency of Library Cataloging can be improved, on the other hand, library cataloging has realized the unification of description format standard and standardized index. It can be said that actively carrying out the research of library cataloging work under the background of computer network will help to improve the level of cataloging work and innovate the ways and methods of cataloging work.

Keywords: Library Cataloging; Networking; Online Cataloging

1. Online Cataloging is the Future Trend of Library Cataloguing under the Background of Network

1.1. Online Cataloging Enables Library Document Resources to be Shared
Under the background of computer network, library cataloging work has gradually developed from the traditional manual independent operation in form, content and equipment to the direction of automation, science and technology, networking and interaction. The form of Library Cataloging has changed from manual cataloging to computer cataloging, and then to the form of network joint cataloging. After entering the 21st century, the library will completely change the status of cataloging independent of each other from the basic level, and make cataloguing work socialized and efficient.

Online Cataloging on the Internet is to directly link the catalog resources owned by the relative independent literature institutions through the computer network technology, and build a relatively unified electronic database of the joint catalog. The electronic database of this catalog can also realize the remote online cataloging, and the realization of this technology undoubtedly enhances the breadth and timeliness of the library cataloging work Sex. In the online cataloging system, all libraries or other institutions that can access the Electronic Cataloging database can share all bibliographic resources in the database, that is to say, a computer connected with the database can realize the query of all online library collection information.
At present, there are two national cataloging centers in China, one is the National Library joint Cataloging Center, and the other is the Chinese University literature guarantee system. In order to realize the standardization of online cataloguing data and specific work, and then realize the control of the quality of cataloguing database, online cataloguing center has developed a set of standards and specifications in a system based on the specific situation, and carried out qualification examination for the data uploaded to the database in the online cataloguing work, so that the cataloguing data can be fundamentally guaranteed.

One of the major characteristics of the network era is that the information interaction is more efficient and transparent. On the basis of the network technology being guaranteed, the library will be able to face the society in an all-round way and become a node for the education system, social management system and other social industries to obtain information. In order to meet the increasing information demand of people, the cataloging work of library cannot be carried out in the backward manual way and closed environment. To realize the effective and orderly arrangement of all kinds of information resources in the high-speed network will be the guarantee to improve the practicability of cataloging work of library. (2) Network makes the cataloging work of library more standard and standard

The basis of network is actually standardization. If the data information provided by each fulcrum is not standard, then how to establish the network online catalog database. Only by standardizing and standardizing the cataloging work can the library cataloging work be more authoritative and professional. The basic condition of online cataloging is to have high standard and quality bibliographic information data. In this huge database, the information data are collected and entered by cataloging staff of different libraries. Under the unified standard, the data of this cataloging database tends to be standardized more and more. It can be said that network is an important development and change to promote the standardization and standardization of library cataloging work. From a practical point of view, only by realizing the unified standard of resource information sharing, can the cataloging database play a good role in social information services.

1.2. The Network Extends the Specific Contents of Library Cataloging
In the new era, with the development and progress of the society, the library has become more prominent in serving readers and the public, with the shift of the focus of the library work. The library needs to gradually reduce the transactional work in the library, improve the efficiency of daily work such as document collection and compilation, document processing and sorting, so that the staff of the library can walk in front of the readers and provide professional services for the readers. Online Cataloging will fundamentally improve the quality and speed of library cataloging work. With the expansion and extension of cataloging work, the traditional cataloging staff will change the status quo of cataloging only for paper documents or films and other tangible information. Under the background of network, cataloging work and traditional cataloging work exist The difference between the top and the way. Under the network environment, cataloging workers need to classify the network resources and carry out cataloging work. How to improve the network technology level of employees will also be one of the factors that determine the final effect of online cataloging. How to guide the public through the intervention of cataloging electronic database, so that a large number of data information can be widely used will be a focus in the current work of the library. As a cataloger, in addition to the original cataloging work of the collection of documents, it is also necessary to provide readers with cataloging related consulting services, so that humanized services and diversified services can be reflected in the cataloging work.

With the advent of the network information age, libraries have set up websites, through which readers can share data resources more quickly. As a cataloging staff, in order to achieve the extension of the specific content of cataloging work, they should collect the information and data resources on the network in a planned way, classify the data systematically, organize them into the network resource system of the library, and place links on the internal website of the library, so that readers can quickly query some network information data.
2. Problems and Countermeasures in Cataloging of Library under the Background of Computer Network

With the development of computer technology and network technology, the cataloging work of the library has achieved some development and innovation. However, under the background of network, there are still some deficiencies in library cataloguing, which need to be solved with the innovation of computer technology and the expansion of network coverage. It can be said that although the online cataloging form has been better applied in daily work practice, there are still some problems in this work, such as the lack of uniform standards, the lack of timeliness of data entry and so on.

2.1. Possible Problems in Library Cataloguing under the Background of Computer Network

2.1.1. On the repeatability of cataloging data. The form of online cataloging will enlarge the cataloging work and make the information transmission more efficient and convenient, but too much repeated information will also make the electronic database formed by online cataloging too large, causing some problems in daily life. In the era of network information, when inputting or transferring information to the same database, how to ensure the independence and singleness of information is a key problem, and checking the repeatability is one of the important means. Through checking the books being catalogued or about to be catalogued, there is no collection record, and the purpose of checking the duplication is to avoid duplicate records. The same book has different numbers.

In the cataloging work of some series, multi-volume books or complete sets of books, in the absence of unified standards, each cataloger has his own way of work and ideas, and then will choose different processing methods, so that a complete set of series may have both decentralized description and centralized description.

2.1.2. There are still regional limitations in Online Cataloging. At present, with the development of network technology, the cataloging work has gradually turned to the online way, but at present, the online cataloging work cannot achieve a wide range of coverage. On the one hand, because of the differences in the development of various libraries, some libraries do not have the basic conditions to participate in the online cataloging work. On the other hand, because of the regional management, some libraries The higher competent department of the library in the district did not take online cataloguing as an important work, which made this work lag behind, and the effect of later maintenance and update was poor. At the same time, in the reality that the standards are not completely unified, there are still many things that need to be improved and worked hard.

2.1.3. The comprehensive ability of cataloging staff needs to be improved the traditional cataloging work is carried out manually. With the application of Internet technology, network online cataloging is gradually rising. For cataloging staff, with the support of more efficient computer technology and network technology, they will also face the problems of great changes in workflow and digitalization of working methods. Computer operation is a problem that needs to be solved for some older cataloging staff. The network on-line cataloging can only be accessed to the network and transferred to the database after being entered by the computer, and the staff's inability to operate the computer skillfully will be the direct bottleneck to carry out this work. Compared with the older workers, some of the Post-70s and post-80s cataloging workers can skillfully operate computers and realize the working mode of online cataloging. However, there are still some gaps between these workers and experienced cataloging workers in terms of basic knowledge of cataloging, classification and subject indexing, understanding the principle and structure of classification and indexing languages, and skilled use So that the actual effect of online cataloging cannot be effectively guaranteed.

2.2. The Solutions to the Problems in Library Cataloging under the Background of Computer Network

2.2.1. Establish duplicate search system to avoid over repeated information entry. When the online
cataloging work is realized, the information of the library will be directly input into the overall database through the Internet. If we can't ensure the independence and singleness of the information, it is likely to cause a large number of duplicate data in the database, which makes it difficult for us and readers to query the information in the development of research work, and at the same time, it also reduces the online network the final effect of cataloguing. Therefore, it is very important to set up a retrieval system based on Online Cataloguing in time. The basic principle of this system is the comparison principle of data. When new information is entered into the database, this duplicate search system will compare the information and check with the data stored in the database, and this check is checked by sections, so as to ensure that series, multi volume books or complete sets of books will not be produced due to different cataloging methods Different numbers of the same book. In reality, the collection information of each library has certain repetitiveness. In order to facilitate the readers to consult, the cataloging information submitted by different libraries should be classified and stored. When the readers search or retrieve, it should be listed and displayed.

2.2.2. Gradually reduce the development differences between libraries and enhance the importance of online cataloging in Libraries. The imbalance of regional economic development directly leads to the difference of local economic level, and the level of network construction of each library is not uniform. Combined with the current situation, first of all, it is necessary to ensure that each library can participate in the online cataloging work, and then provide the basic software and hardware guarantee for the realization of the national literature resources sharing.

In order to improve the level of online cataloging, the key to promote the work is to implement the unified cataloging standards and norms. In order to promote the development of network cataloging smoothly, all libraries should realize the importance and urgency of network online cataloging. In the task of building a well-off society in an all-round way, it is an important content to improve the quality of people's cultural life, and to provide more diversified services will be the direction of Library's efforts and development the importance of network cataloging is self-evident.

2.2.3. Strengthen the training and education of cataloguers and improve their comprehensive ability. In view of some problems of cataloging staff, under the development trend of online cataloging, cataloging staff should actively participate in all kinds of training and business learning activities. As a library, it is necessary to form a training system, aiming at various problems of cataloging staff, such as the lack of computer and network technology, the weakness of basic skills and knowledge. To carry out targeted training, and gradually improve the comprehensive ability of Cataloging Personnel, so that they can skillfully apply relevant systems to realize online cataloging work, ensure the effective development of online cataloging work, so that this work has a good human resource guarantee.

3. Conclusion
With the development of the times, the cataloging work of the library has got a better innovation opportunity. In the network environment, the library's cataloging work will face many new problems and produce many new changes. The network online cataloging will be a general development trend of Library's literature cataloging. With the gradual establishment of the national unified online cataloging standards and norms, this work will gradually develop rapidly, and then improve the service provided by the library for the people Level, for building a moderately prosperous society in an all-round way to play its due role in cultural services.

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