
School Libraries Serving Rural Communities in China: The Evergreen Model

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This article presents a case study of Evergreen school libraries in the northwestern region of China, with a focus on their innovative approaches to community services and strategies of reaching out to local town residents and villagers. The data gathered for the case study included patron/school librarian interviews, observation of brainstorming by school librarians and principals, and analysis of library use data gathered from project schools. In view of known issues identified from existing literature, this study attempts to identify factors that potentially contribute to a school library's success or failure in serving its local community.

Introduction

The notion and practice of having a joint public-school library serving teachers, students, and residents of a local community is not new. As early as 1897, public libraries in North America were called on to assume an educational role in supporting the needs of students and teachers as school libraries were almost nonexistent at that time. School-housed public libraries (usually as branches of a public library) started to appear as one model of service in the 1930s, and more joint public-school libraries have been built in recent years in Australia, Canada, the United Kingdom, and the United States (Bundy, 1998, 2002, 2003; Fitzgibbons, 2000; Goldberg, 1996; McNicol, 2003).

Although such practice remains controversial and joint library facilities continue to appear and disappear in the North American continent (Bella, 2003; Blount & Gardow, 2002; Everhart, 2003; Glick, 2001; Harrington, 2002; Imhoff, 2001; Jan, 2002; Nichols, 2002; Plice, 2002; Tichauer, 2001), the existing literature seems to suggest that combining school-public libraries into one may be an effective solution to the problem of providing public library services in large, sparsely populated rural areas where public libraries are either underdeveloped or nonexistent (Amey, 1987, 1989; Jaffe, 1985; Kinsey & Honig-Bear, 1994; Wells, 1994). This point seems to be well taken by some developing countries (Dunford, 1998), and joint public-school libraries have appeared in countries such as Israel (Karelitz, 1998), Thailand (Cheunwattana, 1999), and China (Huang & Zhang, 2003; The Epoch Times, 2005; Liu, 2003). Although Fitzgibbons' (2000) review includes a number of studies, these studies are all about joint school-public libraries in Australia, Canada, and the US, and little research has been done on joint libraries in developing countries.

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In 2002 the Evergreen Education Foundation, a nonprofit organization based in the San Francisco Bay Area of California, started automating school libraries in poor regions of China and requiring its project schools to open their libraries to local communities (Liu, 2005). Unlike joint libraries in the Western countries where school-public libraries share the same building and facility but have separate budgets and independent identities, an Evergreen library is primarily a school library that decides to use its resources to serve the public. It receives neither funding nor administrative support from the Chinese government through its public library system. The Evergreen experience is unique, and it presents an alternative model of providing public information services in rural communities where public libraries are not functional or simply do not exist.

In this article I present a case study of Evergreen school libraries in the northwestern region of China, with a focus on their innovative approaches to community services and strategies of reaching out to local town residents and farmers. This case study consists of interviews, observation of brainstorming by school librarians and administrators, and analysis of library use data gathered from project schools. In view of known issues identified from the existing literature, this study attempts to identify factors that potentially contribute to a school library's success or failure in serving its local community.

The content of this article is organized as follows. First, an overview of the combined model of joint school-public libraries is conducted to provide a context for this study, followed by a general discussion of current situation of county-level public libraries and school libraries in rural China. A brief introduction of the Evergreen project and its scope is given to provide the reader with some background information. Data-gathering methods and processes are described followed by a presentation of research findings from analyses of both qualitative and quantitative data. Finally, I conclude with observations and discussion of identified issues.

The Combined Model

Public library systems have long been well established in North America and Australia, especially in urban areas. Although a public library may not exist in some remote rural regions, the public library system exists at least at the county level, with branch libraries in some more densely populated towns. Public library services have long been institutionalized into the state/county/city government system in terms of administrative and budgetary procedures. A public library, joint or not, retains its independent conceptual/legal identity even when it is housed with a school library in the same building.

North American and Australian joint school-public libraries are spread across a wide spectrum of combinational forms, with two libraries residing in opposite wings of the same building on a school campus at one end, and a single library with a joint staff, collection, and budget at the other end. The specific form of a joint school-public library is determined by "combined/separate" choices on any of these factors: building space, facilities, collection, staff, governing body, policy, operational procedure, and service points. Although a planning committee may decide to build a joint school-public library of a specific form by making deliberate choices on these factors, the rationales for building a joint library are always the same: to share resources, save money, and promote collaboration.

An extensive review of important studies on joint school-public libraries can be found in Fitzgibbons (2000) and Auld (2002a, 2002b). These studies, mostly surveys and case studies, cover both joint libraries that were successful and those that had ceased to exist, and their findings are mixed pros and cons (Christopherson, 2002; Delsemme & Stuart, 2003). Identified benefits of having a joint school-public library include: (a) cost savings in elimination of duplicate materials, staff, maintenance, utilities, and effort; (b) development of a community focal point for adults and children to learn and enrich themselves together; (c) easy physical access and good parking, expanded open hours; (d) availability of trained staff; (e) expanded spaces; (f) audiovisual equipment and materials; and (g) possible increased use and awareness of library services and resources in a community as schools are more visible to the community (Cassell, 1985).

However, Mercier (1991) argues that school libraries and public libraries have different reasons for their existence and that a joint library cannot give equal support to the goals of two institutions. Woolard (1980) identified the following issues of governance and management as the most frequent problems in joint libraries: (a) failure of governing boards to define responsibilities; (b) failure to include all parties in the planning; (c) failure of school authorities to recognize the authority of public library staff; (d) misunderstanding by citizens and the public library board of the professional librarian's role; (e) failure of governing boards to appoint a chief administrator; (f) interference by the school in public functions; and (g) dual administration (problems with both classified and certified personnel having different salaries and work schedules).

Lack of access for adults during the school day has often been noted as a major problem. In addition, other negative aspects identified in existing literature (Amey, 1989; Cassell, 1985; Woolard, 1980) include: (a) inadequate physical facilities; (b) inadequate budget (staffing, materials, and equipments); (c) lack of adequate parking for the public; (d) geographic location; and (e) censorship of materials (difficulty of maintaining intellectual freedom and confidentiality).

Despite negative evidence reported in the literature, some joint school-public libraries have been successful. Fitzgibbons (2000) gave a summary of success factors drawn from a number of studies from 1960 to the 1990s and categorized the factors as follows: (a) careful planning, community involvement, and cooperation; (b) a community vision and attitude of commitment to shared services; (c) careful delineation and formalization of legal, governance, and management issues; (d) special attention to the uniqueness of the facility, staffing, and collections; and (e) recognition of benefits in terms of improved access, services, and communication.

Public/School Libraries in Rural China

Public libraries in China have been steadily developing since the early 1990s. China had only 1,218 public libraries in 1978. In 1994 China had 2,596 public libraries, with 323 million books and 45,000 staff members altogether (Perkins, 1997). By the end of 2001, 86% of counties in China had public libraries, the total number of public libraries had reached 2,696, and their combined collections reached over 418 million volumes (Zhang, 2003; People's Daily Online, 2006). However, the growth in public libraries has been mostly limited to urban and suburban areas along the southeastern coastline (Nanhai District Library, 2005). Although county-level public libraries

in rural regions are included in China's public library system, their situation has been generally much worse in the northwestern region (Sichuan Provincial Statistics Bureau, 2005). In fact more than 700 county public libraries (which accounts for 24% of the national total) had no money to purchase new books in the past 10 years (Zhang, 2003; Big River Daily, 2005; Xu, 2001; Xu, 2005). With a much outdated collection and manual management, their existence has been only nominal (Liu, 2005).

The public library system in rural China does not go beyond county capital cities. The large rural population, which accounts for about 60-85% of China's total population (Han, 2002), is to be served supposedly by reading rooms piggybacked onto town or village cultural stations. These town or village cultural stations, which are not part of the public library system's extension and belong to a vertically different governing structure administratively, have been starved of funds for years and have become mostly non-operational due to the poor financial situation of county-level governments (Lou, 2006).

On the other hand, Jia, Du, Si, and Zhang (1996) state that school libraries have enjoyed steady development in China since 1993 and that those in economically better developed cities, towns, and villages have carried out a series of resource-sharing activities such as joint cataloguing, interlibrary loans, and cooperative purchasing. From their survey of schools in major cities like Beijing, Shanghai, Tianjin, and Chengdu, they inferred that "by 1995, about 75% of secondary schools and 49% of primary schools in China have established libraries or reading rooms" (para 14). However, a closer examination of their report reveals that all quoted statistics were from urban areas and that no evidence was given about school library development in rural regions despite their suggestion of about 30% of schools "in the economically backward areas" (para. 22) having a library.

In 1991 China's Education Ministry put into effect the policy document *Regulation on Libraries/Reading Rooms of School Libraries*. In 1995 China's provincial governments started implementing a school certification program as part of their campaign to reach the national goal of mandatory K-9 education. In addition to teacher qualifications, the enrollment ratio of school-aged children, and teaching facilities, schools also need to have a library or reading room with a specified collection size in order to meet the certification standard. The government's official statistics showed that by 2000, 90% of counties had met the certification standards (Li, 2005), and 64.3% of high school libraries nationwide had met the certification requirement in collection size, the ratio being much lower in less developed regions, for example, 44.87% in Gansu Province (Shanghai Education Research Institute, 2001).

Nevertheless, the reported figures were recently found to be highly inflated due to local governments fabricating data and fraud by school administrations during certification visits, mostly in rural China (China CPP Institute, 2006; Li, 2005; Zhou, 2006). Before certification visits by provincial officials, many rural schools had set up a temporary room with a few shelves of books (some purchased indiscriminately and others gathered from students and teachers) and a *school library* sign nailed to the doorframe in an attempt to gain approval from the visiting certification team of provincial government officials. Such "library" rooms were either locked indefinitely or turned to other use as soon as the visiting team had left (Jin, 2006).

The Chinese government announced that it had completed the initial phase of its “distance education project for primary and secondary schools in rural regions” by the end of 2004, with an investment of one billion in RMB, plus 980 million of matching funds from local governments, to equip rural schools in 20 selected provinces with CD players, satellite receivers, and computer labs for teaching (Suzhou City Educational Bureau, 2005). School libraries were not included in this project.

It is difficult to gain an accurate picture of the current situation of school-public library development in rural China. Despite the central government’s repeated efforts to improve the school situation and library service to the general public, public libraries still remain inaccessible to most of China’s rural population. School library development in rural regions, especially in the less developed western provinces, has been slow, difficult, unsustainable, and overlooked.

The Evergreen Case

To help with China’s course of advancing education and information services for the rural population in underdeveloped regions, a number of nonprofit organizations have been working diligently to implement assistance programs with donated funds collected from overseas sources. The programs range from distributing scholarships to building schools, donating books and computers, and automating school libraries (Chiao, 2002; Duke University, 2004; Liu, 2002; O’Sullivan, 2005).

The Evergreen Education Foundation started donating books, computers, and library automation software to selected schools in the northwestern provinces in 2002 (Liu, 2005). It was soon noticed that in each case the library of the Evergreen’s project school was the only modern library in the county with a decent collection and computerized management. To maximize the return on its investment and to fill the vacuum in information services for the local community, the foundation started requiring its school libraries to open not only to nearby schools, but also to town residents and villagers. Similar practices by school libraries in other parts of China not affiliated to the Evergreen project have been reported recently (Li, 2005; Hu, 2002; Liu, 2001; Ma, 2007; Wei, 2004; Xu, 2007).

These libraries are primarily school libraries on a closed school campus and inside a teaching building, with neither public library staff nor funding support from the government’s public library system. They are run by one or two school librarians supervised by the school administration. Their ultimate mission is to serve students, teachers, and school staff, and they open to local residents and villagers only because they wish to when it is convenient and when their resources allow. When these libraries were built, they were not planned or designed to serve the public, and they are neither legally bound nor required by the government to do so.

These libraries evidently differ from the North American and Australian combined model of joint school-public libraries. In the latter case, the notions of *school library* and *public library* still exist separately even though they have been combined into one joint facility and share the same building space. The joint library receives funding from both the public school and public library systems from the start and is legally bound to serve equally the school community and the general public. This dual function is mutually understood by both sides, although not always clearly in a mission statement. The literature (Fitzgibbons, 2000; Woolard, 1980) suggests that

arrangements of responsibility and resource-sharing are essential and that clear articulation about such arrangements in policy documents and operational guidelines, in combination with many other factors, offers the joint library a better chance to succeed. Nevertheless, this combined model may not be a positive model for either the public or the school.

Despite all the differences outlined above, community-friendly school libraries in China and joint school-public libraries in the West do have some common features, at least judging from the outset. Specifically, (a) they all exist in rural regions where population is sparse; (b) they all need to accommodate the traffic of public users on a closed campus; and (c) in either case, the collection needs to support curricular teaching, students' learning, and local communities' information needs. They may face similar issues and challenges, and they may learn something from each other. It is on this ground that Evergreen school libraries are studied with reference to research findings about joint school-public libraries in the West.

Methodology

This research is a case study of selected school libraries of the Evergreen project. The Evergreen project was chosen for its leading role in experimenting with school libraries that provide public service in China as well as for its internationally recognized success in serving local communities, as evidenced by its winning the 2004 Bill-Melinda Gates Foundation's *Access to Learning* Award. As the foundation's library program chair and an insider, I have ready access to program-related information, which made the investigation possible and easier.

Data used for this case study are in three categories: audio-recordings of a brainstorming workshop, interviews, and annual statistics of library use. The data-gathering process of each category is described below.

Brainstorming Workshop

To promote community services, a three-day brainstorming workshop was conducted in the county capital town of Tongwei in early January 2005. Administrators and librarians from all project schools participated in the workshop to share experiences and exchange ideas of how to implement and promote community service programs using their school library resources.

With the speakers' oral consent, all sessions of the workshop were recorded using a digital MP3 recorder. The resulting audio-recordings were neither transcribed nor systematically encoded for quantitative analysis. Rather, each segment of presentation was turned into a summary of points for identification of key issues.

Interviews

In early January 2006, I traveled to Shaanxi, Gansu, and Qinghai to conduct onsite interviews with school librarians and patrons of the three project schools there, namely, Danfeng High School in Shaanxi, Tongwei 1st High School in Gansu, and Lijiashan High School in Qinghai. In each case, the school librarian was asked to identify a small number of willing patrons for the interview and to make sure that diverse types of patrons were included. Overall, 35 individuals were interviewed for this study, including four school librarians, six teachers, 10 students, seven town res-

idents (of whom two were students' parents), and eight villagers (of whom five were students' parents). Arrangements were made before my arrival with school administrators' assistance to ensure their availability and timely attendance.

The interview was semistructured and used a brief list of questions as a guideline. It was conducted either inside the library or in the school administrator's office, with no third party present. Each session ran for approximately 40 minutes. After a brief description of the purpose of the study and explanation of promised confidentiality, oral consent was secured from the interviewee to audiotape the conversation. I thanked each participant at the end of the interview for his or her voluntary participation in the study. No compensation of any form was given for their time and effort.

The audio-recordings of the interviews were not systematically coded for quantitative analysis. Rather, each session segment was turned into a summary, the texts of which were then compiled into lists of points for identification of common issues.

Library Use Statistics

To monitor library operation, the Evergreen Education Foundation requires all project schools to submit annual library statistics reports in a variety of specified forms and breakdown categories. It is further stipulated that the statistics reports must be in the original form as generated by the Hua Xia 2000 school library automation system. This system, a Chinese software package donated by the foundation and in operation on all project sites, is capable of generating a good variety of preprogrammed summary reports of patron, collection, and circulation statistics. The requirement for annual statistics reports to be in the system-generated original form helps to ensure the accuracy and reliability of reported data by making it more difficult to falsify or manipulate data.

The foundation's requirement of annual statistics reports has been in effect since early 2002, and project schools have submitted their annual reports dutifully in print in the years since. All user population and circulation data included in this study (except that of 2001) were compiled from their 2002-2005 annual library reports archived in the foundation's headquarters office in Richmond, CA. The 2001 data were extracted from documents submitted by these schools as part of their application to join the Evergreen project.

Demographics

As of the end of 2004, the Evergreen project included eight site schools, most in the northwestern provinces of China in county capital towns and surrounded by residential communities with populations ranging from 17,000 to 60,000. Their location gives these school libraries a strategic advantage in reaching out to the local communities as well as to rural population in the surrounding regions. Table 1 presents school and local community demographic data for the eight project schools as of 2004 compiled from school reports and official publications by the census departments of local county governments.

Unlike North American schools where enrollments are limited by geographic boundaries of school districts, schools in rural China draw students from all over the county. Consequently, the student population is mixed. A small percentage are from

Table 1
2004 Evergreen Rural School Demographics

| <i>Location</i> | <i>School</i> | <i>Students</i> | <i>Staff</i> | <i>Local Town Residents</i> | <i>Total District Residents</i> | <i>County Population</i> |
|-----------------|-------------------------------------|-----------------|--------------|-----------------------------|---------------------------------|--------------------------|
| Qinghai | Datong 6 th High School | 2,101 | 136 | 66,000 | 98,000 | 483,000 |
| | Lijiashan High School | 1,710 | 99 | 472 | 27,400 | 450,400 |
| | Gonghe Minority School | 298 | 38 | N/A | 20,000 | 125,000 |
| Gansu | Tianzhu 1 st High School | 3,100 | 174 | 23,698 | 45,754 | 212,117 |
| | <i>Tongwei 1st High School</i> | <i>3,300</i> | <i>205</i> | <i>22,315</i> | <i>38,400</i> | <i>463,400</i> |
| | Huining 4 th High School | 3,130 | 141 | 17,959 | 42,700 | 583,300 |
| Shaanxi | <i>Danfeng High School</i> | <i>3,035</i> | <i>234</i> | <i>45,000</i> | <i>76,000</i> | <i>302,000</i> |
| Jiangsu | Taidong High School | 1,600 | 123 | 52,000 | 275,000 | 1170,000 |

the local town and walk to school daily, but most students come from remote villages and live in student dormitories. These students return home on weekends to retrieve necessities and food supplies.

Students' Library Use

Given their large student population, these school libraries would be stretched thin if all students made regular, heavy use of their services. However, library use has not been institutionalized into curricular teaching. Despite China's recent reform of K-12 education pushing for diversification of instructional methods and development of students' problem-solving and information literacy skills, to a large extent classroom teaching still follows the traditional approach of rote learning and teaching to the test.

School administrators, governing agencies, and the society at large continue to judge teachers' performance and school reputation based on test scores and college admission rates. Such emphasis has driven many schools (and teachers) to go after higher admission rates and test scores at the expense of broadening students' knowledge scope and development of comprehensive skills. Students are often required to devote all their time to textbooks and homework, leaving them little time for library use and extracurricular learning. Some teachers consider out-of-class reading a total waste of time, and some school administrators see the library as a trendy decoration. As a result, student library use remains low.

Public Use

As a condition of its investment, the Evergreen Education Foundation requires that all project school libraries be open to the local public in addition to serving their school communities. This requirement has forced school administrators and librarians to explore all possible avenues of implementing, supporting, and promoting service programs for town residents and villagers.

School libraries all started by taking the obvious step of issuing library cards to local town residents. Workshops were conducted to teach residents general informa-

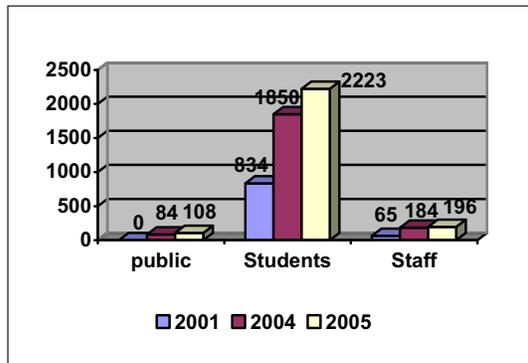


Figure 1. Tongwei user population.

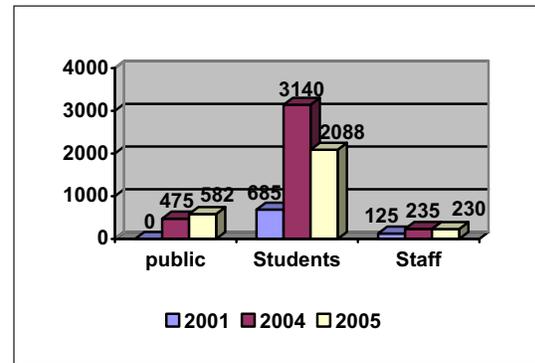


Figure 2. Danfeng user population.

tion literacy skills and how to use the library's computerized system. However, despite their active outreach efforts, these school libraries achieved only limited success.

Figures 1 and 2 show the annual tallies of public, student, and staff patrons from 2001 to 2005 at two exemplary schools, Tongwei 1st High School in Gansu and Danfeng High School in Shaanxi. Although the number of student users increased, the number of local residents registered for library use remained low five years after the school libraries launched their community service program. In the case of Danfeng High School, which has a greater number of registered public patrons, these account for fewer than 1.3% of town residents and 0.8% of the municipal district population.

Interference of Teaching

When identifying obstacles to combined school-public libraries, White (1963) and Woolard (1980) noted inconvenience for public patrons, noise and confusion of the school, and "interference by the school" of the library's public functions as an issue. In fact the appearance of local residents on campus can be equally obtrusive and interfering as viewed by teachers and school administrators. Disruptions from the public have often been cited as a main reason for the failure of some joint libraries (Johns, 1999; Fitzgibbons, 2000).

In the case of Evergreen project schools, complaints about noisy public traffic on closed school campuses were voiced soon after the libraries started receiving public patrons in mid-2004. Teachers frequently reported that students were distracted by strangers peering into classrooms. Students complained about people wandering around the campus who had no business with either the school or its library.

All school libraries attempted to address this problem by opening to the general public only during weekends and/or after-school hours. Although this appeared to be a feasible solution at first, it quickly became clear that such a practice was not sustainable. Staffed by only a single librarian (with some help from student volunteers) and with virtually no money to hire any help, the librarian had to work extremely long hours, often with no overtime pay. When a library opens to the public after school and on weekends, it raises issues about campus security. Opening a separate entrance for the public, a possible solution suggested in the Western literature, was never considered a feasible option because the library is typically inside a teaching building far from the edge of campus.

Besides the problems of disruption of teaching and campus security, this strategy of serving public patrons onsite is too limited in scale for these school libraries to fulfill the mission of serving local communities from a distance, especially the large rural population of villages. A more effective and scalable approach is needed for reaching out to town residents and villagers.

The Book Agents Program

Tongwei 1st High School found an innovative solution by making students book agents and started implementing this idea toward the end of 2004. The idea was to create double library accounts for each student, one for himself or herself and the other for family members jointly. Students were instructed to spread the words about free use of the school library and encouraged to check out books for their relatives using the joint family account. Those from the local town could check out books for their family members and take them home on any school day. Students from remote villages did their book agents' business when they went home on weekends, taking needed books home and bringing returned items back to school.

The family service program was quickly extended to neighbors and unrelated villagers. Most interviewed students openly admitted that they had checked out school library books for residents in the neighborhood and unrelated villagers. It is interesting to note that although the school administration initially intended to limit the program to family members worrying about possible losses, they were forced to relax the library policy and accept such practices of service extension. The library policy now states that students may check out books for neighbors and unrelated villagers under their family accounts, but stipulates that they are responsible for all items checked out under their name. According to the school librarian of Tongwei, the student-family-neighbor trust bond worked well in enforcing responsibility for checked out books. Few cases of loss were reported for items borrowed through joint family accounts.

Tongwei's book agents program was presented at the three-day brainstorming workshop in early 2005 to other school librarians and administrators, and the idea was immediately adopted by other Evergreen project schools.

The success of the book agents program has been phenomenal. Figures 3 and 4 present Tongwei's and Danfeng's circulation data from 2001 to 2005 by patron type. Although the numbers of registered public patrons increased little from 2004 to 2005

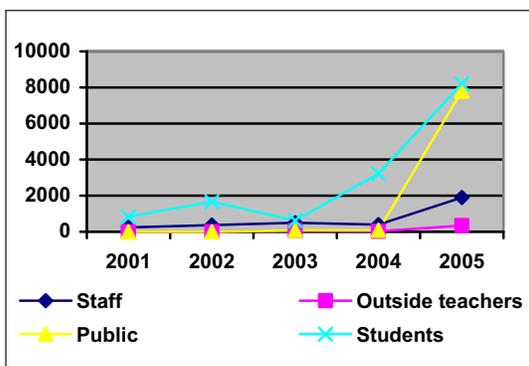


Figure 3. Tongwei circulation by patron types.

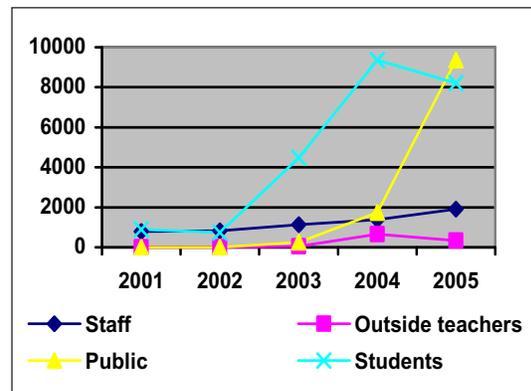


Figure 4. Danfeng circulation by patron types.

in both cases (as shown in Figures 1 and 2), circulation by public patrons (and student patrons as well) increased a great deal. In Tongwei the total of items checked out for community use rose from 83 in 2004 to 7,797 in 2005, and similarly in Danfeng from 1,733 to 9,350. Other schools reported similar success.

It is difficult to determine the coverage of rural population by Evergreen school libraries' public service programs. Nevertheless, an estimate can be made based on reasonable assumptions. Take Tongwei's book agents program, for example. Assume that each student served for 10 individuals (two being their parents and eight being town residents or villagers in the neighborhood), and further assume that 20% of the school's student population were from the county capital town. Using the 2004 demographic data from Table 1 as a reference, the book agents program would have served 6,600 town residents and 26,400 villagers in the surrounding rural areas. The rates of population coverage would be 29.58% of town residents, 5.99% of villagers, and 7.12% of the total population of the Tongwei County.

Bottlenecks

School librarians and public patrons identified three key factors that may have held the libraries back from reaching their full potential in serving the rural population. These are highlighted below.

Collection Development

All school libraries participating in the Evergreen project depend almost exclusively on the foundation's donation for the establishment and growth of the collection. After the initial investment in automation and acquisition of new books to kick-start the library, the foundation continues to allocate additional funds annually to each school for purchasing new materials. The amount of funds varies from RMB ¥10,000 to ¥30,000, depending on the size of student population and the library's existing collection. Currently the collection size is about 20,000 items (15,000 titles) on average.

The Evergreen Education Foundation requires that at least 10% of new acquisitions be for the local community's interests. Purchase lists prepared by school librarians are reviewed for approval to enforce this requirement as well as to ensure the quality of book selection. Although the required distribution ratio does put these libraries in a better position for serving local communities, it is an arbitrary decision.

With limited acquisition budgets, the school libraries all decided on a collection development policy that maximizes the addition of new titles at the expense of copies per title. Consequently, there is only a single copy for most titles in the collection, especially for those not directly useful for classroom teaching of the standard curriculum. Still taking Tongwei and Danfeng as an example, as of 2006 their collection sizes were 21,574 items (14,651 titles) and 26,778 items (15,871 titles) respectively, which yields 1.473 copies per title for Tongwei and 1.687 copies per title for Danfeng.

With such a low copy-per-title rate, community users are forced to compete not only with teachers and students, but also among themselves for access to books.

Library Staff

The competition between school and community users is by no means limited to collection share and access to books, but also extends to library facilities and librarians'

service time. As part of the condition for its investment, the Evergreen Education Foundation requires each project school to secure financial support from the local county government to fund at least one full-time librarian position. These school libraries have one full-time librarian except in only two cases where the school administration managed to find money to hire one additional library staff member. Student volunteers have been heavily used to help with shelving and circulation under the librarian's supervision.

Except for one person in Danfeng, all others were teachers turned school librarians, with a college degree but no formal education in library science. Their professional knowledge and skills came almost exclusively from on-the-job training and some week-long crash-course workshops arranged through the Hua Xia library automation software company by the foundation. These training workshops were focused on system operation, cataloging, and library management, and they had little guidance on community outreach and how to serve a rural population. Only recently has the Evergreen Education Foundation started organizing training workshops specifically focused on community services.

Literacy Barrier

Although getting literate residents and villagers to use the library is already difficult, helping a functionally illiterate populace to gain access to information is an even greater challenge. According to the official census data released by the Tongwei county government, as of 2004 the average schooling of its rural population was only 4.9 years; 46.8% had attended middle school, 36% had finished only elementary school, and 17.2% were functionally illiterate (Zhang & He, 2006; Zhang, 2003). The situation in other rural regions then and now has been much the same, with the literate populations mostly concentrated in towns.

The good news is that the school libraries' community service programs seem to have reached some residents and villagers with limited literacy. One public patron interviewed in Lijiashan, Qinghai turned out to be a villager who had finished only grade 4. When asked to share his experience of library use, he commented that he found most knowledge-intensive books incomprehensible and thus limited his library use to leisure reading. He added that reading Chinese classics allowed him to follow the plot better when watching performances of Qin Qiang, a local form of Chinese opera popular in the northwestern region. It is not clear how many of the school library's public patrons fall into this category.

Ultimately, the school libraries will need to find a way to help undereducated people to overcome the literacy barrier to enable them to make meaningful use of library resources for improving their quality of life. Currently there is no adult education of any nature for China's large rural population, and literacy education for local town residents and villagers may be a niche where school libraries can expand their services.

Conclusion

In all, findings from this case study of the Evergreen project confirmed the general observation by other researchers that joint school-public libraries can be a good solution for sparsely populated rural areas.

More accurately, school libraries can serve the dual (but not necessarily equal) functions of providing information access to teachers, students, and the general public of their local communities where public libraries do not exist. With an innovative approach to the circulation process such as the book agents program, school libraries can sidestep the problem of disruption of teaching by “unwelcome” public traffic on campus.

Although the libraries of Evergreen project schools have so far provided the local communities only with the basic service of book circulation, the problem of how to accommodate their needs for other information services such as reference and access to online resources remains unsolved.

Competition for resources between school and public patrons appears inevitable, especially when a single collection is used to serve both the school and public communities and the library is staffed by a single librarian. Such competition will only become tougher as the library gains more public patrons. Adding a community service librarian to library staff and increasing the proportion of acquisitions for community use may help alleviate the problem.

Nevertheless, with service to the school community as the library’s primary mission, somewhere a line has to be drawn before the library’s resources are spread too thin and its services to students and teachers become seriously compromised.

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References

- Amey, L.J. (1987). School/community libraries in South Australia: An outsider’s view. In L.J. Amey (Ed.), *Combining libraries: The Canadian and Australian experience* (pp. 3-71). Metuchen, NJ: Scarecrow Press.
- Amey, L.J. (1989). Success in the outback: The case of school-housed public libraries. *School Library Journal*, 36, 109-114.
- Auld, H. (2002a). Combined school-public library facilities: Opinions, case studies, and questions to consider, Part 1. *Public libraries*, 41(5), 248-255.
- Auld, H. (2002b). Combined school-public library facilities: Opinions, case studies, and questions to consider, Part 2. *Public libraries*, 41(6), 310-316.
- Bella, R. (2003). Library proposal shelves for now. *The Oregonian*. Retrieved February 15, 2006, from ProQuest database.
- Big River Daily (2005, August 23). *People “eating” books*. Retrieved August 25, 2005, from: http://news.xinhuanet.com/book/2005-08/23/content_3391390.htm.
- Blount, P., & Gardow, P. (2002). Double your fun with a combination public-high school library. *Public Libraries*, 41(5), 254-55.
- Bundy, A. (1998). Widening client horizons: Joint-use public libraries in the 1990s. *Australasian Public Libraries and Information Services*, 11(1), 4-15.
- Bundy, A. (2002). Essential connections: school and public libraries for lifelong learning. *Australian Library Journal*, 50(2), 47-70.
- Bundy, A. (2003). Joint-use libraries: The ultimate form of cooperation. In G. McCable & J. Kenney (Eds.), *Planning the modern public library building* (pp.129-148). Westport, CN: Libraries Unlimited.
- Cassell, M.K. (1985). *Combined school-public (community) libraries: A brief overview*. Montpelier, VT: Vermont State Department of Libraries.
- Cheunwattana, A. (1999, August). *Delivering and promoting library services in rural Thailand*. Paper presented at the 65th IFLA council and general conference, Bangkok, Thailand.
- Chiao, L. (2002). *Support education in rural China program series: 2002 annual report: Statement from the executive director of ESS/SERC*. Retrieved June 23, 2006, from: <http://www.esscare.org/pdf/AnnualReport2002.pdf>

- China CCP Institute (2006, March 24). *The way out of traps for 9-year mandatory basic education in rural China*. Retrieved September 24, 2006, from:
<http://www.china.org.cn/chinese/zhuanti/05jybg/1164308.htm>
- Christopherson, D. (2002). What one community says about joint use. *Public Libraries*, 41(5), 250-251.
- Delsemme, D., & Stuart, S. (2003). Research into practice: Combined school-public libraries. *Knowledge Quest*, 32(1), 58-61.
- Duke University. (2004, September 9). Duke students act on dream by helping rural schools in China. *Duke University News and Communications*. Retrieved January 20, 2006, from:
http://www.dukenews.duke.edu/2004/09/china_0904.html
- Dunford, H. (1998). Joint-use libraries as services for remote areas. *Asian Libraries*, 7(8), 177-183.
- Everhart, N. (2003). Combined school-public libraries. *Knowledge Quest*, 32(1), 58-61.
- Fitzgibbons, S.A. (2000). School and public library relationships: Essential ingredients in implementing educational reforms and improving student learning. *School Library Media Quarterly*, 3. Retrieved January 20, 2006, from:
<http://www.ala.org/ala/aasl/aaslpubsandjournals/slmrb/slmrcontents/volume32000/relationships.htm>.
- Glick, A. (2001). CA schools, public libraries to cooperate, not cohabit. *School Library Journal*, 47(12), 16.
- Goldberg, B. (1996). Public libraries go back to school. *American Libraries*, 27(11), 55-56.
- Han, R. (2002, May 18). China's rural population expected to be under 25 percent: Economist. *People's Daily* [English online edition]. Retrieved September 23, 2006, from:
http://english.people.com.cn/200205/18/eng20020518_95971.shtml
- Harrington, J. (2002). The three Cs of a successful joint library project. *Public Libraries*, 41(6), 314.
- Hu, X. (2002). Breaking out of traditional library model and strengthening community service. *The World of School Libraries*, 10, 30-32.
- Huang, Q., & Zhang, X. (2003, August). *Libraries as cultural centers in large new communities in Guangzhou, China*. Paper presented at the World Library and Information Congress: 69th IFLA General Conference and Council, Berlin.
- Imhoff, K. (2001). Public library joint-use partnerships: Challenges and opportunities. *Resources Sharing and Information Networks*, 15(1/2), 17-39.
- Jaffe, L.L. (Fall 1985). Collection development and resource sharing in the combined school-public library. *Collection Management*, 7, 205-215.
- Jan, T. (2002, July 17). Cooperative library at Parkrose High School is closing. *The Oregonian*, C2. Retrieved February 15, 2006, from ProQuest database.
- Jia, X., Du, Y., Si, A., & Zhang, X. (1996). *China's primary and secondary school libraries: yesterday, today, and tomorrow*. Paper presented at the 62nd IFLA general conference.
- Jin, W. (2006, Sept. 23). *On building the foundation for development of children and school libraries*. Retrieved October 1, 2006, from:
<http://www.shuren100.com/tgb/ShowArticle.asp?ArticleID=5542>
- Johns, M. (1999). The benefits and problems of joint-use facilities. *Public Libraries*, 38(6), 357.
- Karelitz, T. (1998). *Combined school-public libraries in Israel at the elementary school level: An evaluative study*. Unpublished master's thesis, Bar-Ilan University. Abstract retrieved October 10, 2006, from: http://www.is.biu.ac.il/library/theses_abs/Karelitz_e.pdf
- Kinsey, S., & Honig-Bear, S. (1994). Joint-use libraries: more bang for your bucks. *Wilson Library Bulletin*, 69(3), 37-39.
- Li, J. (2005, January 14). *China CCP Institute investigating ways to rescue rural education trapped in difficulties*. Retrieved September 24, 2006, from: New China Net
http://news.xinhuanet.com/newscenter/2005-01/14/content_2459247.htm
- Liu, B. (2003). Current state of public school libraries in Macao opening to local communities. *Library & Information Work*, 11, 17-18.
- Liu, G. (2005). *Evergreen: Bringing information resources to rural China*. Washington, DC: Council on Library and Information Resources (CLIR).
- Liu, X. (2002, September). *Overview of educational needs and philanthropic opportunities in China*. San Diego, CA: International Community Foundation. Retrieved February 8, 2006, from:
http://www.ruralchina.org/files/Library/XiaohuaLiu_NeedsOpportunities_2002.pdf
- Liu, X. (2001). Some thoughts about school libraries' opening to local communities. *Forum on Children Libraries (digital edition)*. Retrieved May 10, 2006, from:
<http://www.xmst.org/old/stxx/200102/200010205.htm>

- Lou, W. (2006, September 11). 构建图书馆连锁服务体系为新农村建设服务. *中国文化传播网*. Retrieved September 17, 2006, from: <http://www.ccdy.cn/pubnews/497090/20060911/501336.htm>
- Ma, J. (2007). On sustainable development of community libraries. *Journal of the Second Northwest University of Nationalities*, 74.
- McNicol, S. (2003). Joint use libraries in the UK. *Australasian Public Libraries and Information Services*, 16(2), 81-90.
- Mercier, J.M. (1991). *Cooperation between school library media centers and public libraries*. Unpublished master's thesis, Mankato State University.
- Nanghai District Library (2005). 2004 branch library performance statistics. *Nanghai District Library*. Retrieved August 25, 2005, from: <http://lib.nanghai.gd.cn/2003/jianjie/gaikuang.htm>
- Nichols, L. (2002). Joint school-public libraries: challenges and opportunities. *Public Libraries*, 41(6), 312-314.
- O'Sullivan, M. (2005, July 13). Chinese-Americans establish libraries in China. *VOA News*. People's Daily Online. (2006). *China kicks off program to build village libraries for 900 million farmers*. Retrieved September 17, 2006, from: http://english.people.com.cn/200607/26/print20060726_286957.html
- Perkins, M. (1997). China, libraries and human rights. *Focus on International and Comparative Librarianship*, 28(3), 155-165.
- Plice, S. (2002, July 21). Closing Azalea library would hurt community [Letter to the editor]. *St. Petersburg Times*, p.2.
- Shanghai Education Research Institute (2001).. 2000 schools with teaching facility and library certification in 1995 and 2000. *Education Development Research*, December 2001, 12. Retrieved November 13, 2006, from: <http://202.121.15.143:81/document/2001-c/jy011238.htm>
- Sichuan Provincial Statistics Bureau (2005). *Protecting farmers rights and interests to build a socialist society in harmony*. Retrieved August 21, 2006, from: <http://www.stats.gov.cn/was40/reldetail.jsp?docid=402263388>.
- Suzhou City Educational Bureau (2005, January 18). Keywords of information-enriched education in 2004. *Suzhou Education*. Retrieved August 16, 2006, from: <http://www.szedu.com/pub/contentview.asp?contentid=7863>.
- The Epoch Times*. (2005, July 10). *Chen Qimai to open school libraries to the public to build a book-loving local community*. Retrieved September 16, 2006, from: <http://www.epochtimes.com/gb/5/7/10/n981171.htm>
- Tichauer, B. (2001). *Existing California joint-use public/school library facilities*. Retrieved January 20, 2006, from: http://www.library.ca.gov/assets/acrobat/Contacts_Existing_Joint_Use_Facilities_by_Library_Jurisdiction1.pdf
- Wei, D. (2004). The Sunshine Library of the South District of Qingdao. *Community Volunteers in the South District of Qingdao*. Retrieved May 10, 2006, from <http://www.qdsnyg.com/ViewInfo.asp?ContentID=21>
- Wells, M.K. (1994). Combined libraries to serve the entire community. *Texas Library Journal*, 70, 100-104.
- White, R.M. (1963). *The school housed public library: A survey*. Chicago, IL: ALA.
- Woolard, W.L. (1980). *Combined school-public libraries: A survey with conclusions and recommendations*. New York, NY: Scarecrow Press.
- Xu, J. (2001). The development and role of rural libraries in China. *Rural Libraries*, 21(2), 24-36. Retrieved September 17, 2006, from: <http://library.clarion.edu/Rural/Development.pdf>
- Xu, L. (2007, January 22). Joint library: a win-win arrangement for school and local community. *Pearl River Daily*. Retrieved March 10, 2007, from: http://dadao.net/php/prtime/temp_news.php?ArticleID=47624
- Xu, Y. (August 28, 2005). County libraries fell due to short sightedness. *Xin Jing Daily*. Retrieved February 18, 2006, from <http://opinion.people.com.cn/GB/1034/3648334.html>.
- Zhang, G. (2003). Education in western China. Retrieved March 10, 2006, from: http://www.ruralchina.org/files/Library/GuibinZhang_WesternChinaEducation.pdf
- Zhang, J., & He, X. (2006, April 26). Sustainable development of economy in poverty countries: Some thoughts on economic development of Tongwei County. *Gansu Statistics Information*. Retrieved May 3, 2007, from: <http://210.72.51.4/sqzw/dfjj/200606220018.htm>
- Zhang, S. (2003, September). *The development of Chinese public library during the past two decades*. Retrieved September 17, 2006, from: <http://www.pnm.my/mtcp/countryreport/DevelopmentofPublicLibraryInChina.pdf#search=22%22public%20libraries%22%20rural%20China%22>

Zhou, Z. (2006, Aug. 31). Thinking about the standard of minimum collection requirements stipulated in the Regulations. *Shuren Net*. Retrieved November 23, 2006, from <http://www.shuren100.com/tgb/ShowArticle.asp?ArticleID=5385>

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