CULTRAL HERITAGE, PUBLIC AND ARCHITECTURE IN THE TIME OF NEW INFORMATION AND COMMUNICATION TECHNOLOGIES

ABSTRACT

Architecture has at all times belonged to the important cultural achievements of mankind. From ordinary buildings to prestige buildings, architecture portrays a substantial part of the cultural heritage of human societies. Through the centuries much architecture worldwide was lost. Digital technology, such as three-dimensional computer simulation, has revolutionized the possibility of the presentation of such lost architecture and brought it back to mind for a greater public. First I would like to briefly outline the great variety of these digital possibilities on the basis of selected virtual buildings and projects. These virtual projects were developed in the digital labs of Prof. Manfred Koob from the Technical University of Darmstadt, Department CAD in Architecture - projects that fascinated me years ago and prompted me to go on these digital travels to other times and cultures. Thus I was involved in most of these projects. However the focus will be on a project, which I initiated in 1994 at Darmstadt Technical University. It is the computer reconstruction of the destroyed German synagogues.

Second I would like to cover the potentials of the Internet in context to cultural heritage, using again the synagogues as an example.

CAD AND CULTURAL HERITAGE

With the 3D-CAD reconstruction of Cluny in the end of the 1980s and the showing of the simulation on TV, it was suddenly evident that a powerful fascination had been generated. This had never been achieved by drawings and architectural models before. Architecture that no longer existed could now be presented as moving pictures to a large public through the mass media television. In the 1990s this insight also reached museums and exhibition halls.

Now there was also the chance to present ideas that had never been built. An example is the so-called "Wolkenbügel" by El Lissitzky. (Fig.1)

The destruction of the synagogues denotes in this a beacon light. Those who destroyed the cultural buildings of a minority, want to exclude it from the society - with all consequences. (Fig.6)
Thus the intention of this project was manifold:

- To show the cultural lost
- To bring back to the public the historical importance of the synagogue especially as a characteristic of the cityscape
- To convey to the public spatial impressions of an almost unknown architecture
- To give a representative overview of the architecture of synagogues in Germany
- To make aware that the synagogues are a part of a shared culture of Jews and non Jews
- To remember the circumstances of the destruction
- To remember the desecration and destruction of over 1100 synagogues just in November 1938
- To ask what led to this and what happened afterwards
- To make a contribution to educational and commemorative work for the use in schools, universities and museums in connection with the Nazi period by using the new media.

The idea for this project stems from the impression of an arson attack of a synagogue in Lübeck in 1994 by neo-Nazis, Thus the project should be also seen as a signal against anti-Semitism and racism, which were again gaining strength.

We used an architectural selective criteria to select the synagogues. We chose large cities with the expectation that our intention would reach more people. And we selected the synagogues from the 19th and 20th century, because this was the time of the birth of the great synagogues in Germany.

One can classify the synagogues in the 19th and 20th centuries into three different groups:

First, the Neo-Islamic synagogues which emphasized the independence of the Jews by using an extraordinary architectural style. For example, the synagogue of Kaiserslautern. (Fig.7)

Second, the Neo Romanesque synagogues with an emphasis on the affiliation of the Jews with the German nation. For example, the synagogue of Munich. The Romanesque style was used for the old German cathedrals like Worms or Speyer. (Fig.8)

Third, synagogues which follow contemporary or regional styles. For example, the Bauhaus synagogue of Plauen. (Fig.9)

These virtual synagogues were shown in the year 2000 in an exhibition at the Federal Art and Exhibition Hall of Germany in Bonn. Institutions and museums from all over the world showed great interest and there will be an exhibition tour, starting this year on the 9th of November in Tel Aviv which then travel to the United States in 2004.

CULTURE HERITAGE AND INTERNET

The new information and communication technologies, especially the Internet, have changed and are changing many spheres of society. Using the Internet will be self-evident for the generations of the 21st century. This will have an influence on the culture of remembrance. I ask myself what are the potentials and possibilities of the new media for cultural remembrance. Which deficits of the traditional forms of remembrance could be compensated? What are the limits of the new media?

I believe
- the Internet can become a new form of cultural remembrance
- the Internet can develop new forms of sharing the process of remembrance
- the Internet can allow people all over the world to participate - independent of time or space
- the Internet can offer a framework for personal involvement
- on the Internet information can always be updated
Cultural Heritage and Public

In my research work I have developed various concepts, which include the remembrance of the synagogues using the new media. One of these concepts is the Synagogue Internet Archive: http://www.synagogen.info.

Here one can:
- call up information about more than 2000 German synagogues
- make external contributions and add eyewitness reports, images, comments and links to the individual synagogues, which are directly online.

With this Internet archive the German synagogues that were closed, desecrated or destroyed during the Nazi regime are to be remembered. At the same time, information is given about what happened to the buildings still remaining and the former locations after 1945. Starting point of this concept is the opinion that remembrance is very significant when people take an active part in it. As opposed to traditional forms of remembrance like monuments, where visitors normally only are passive, the Internet user can contribute to the expansion of the Synagogue Internet Archive.

This archive allows for the first time an overview about synagogues in all of Germany. And the Internet archive makes it easily possible to actualize information and to add information, which is a problem for other media, such as books. With this archive it is also now possible to obtain more exact quantitative information. For example that an unbelievable number of more than 350 synagogues and prayer rooms were torn down after 1945.

The Synagogue Internet Archive has three main menus:
- Searching for synagogues
- Looking for new external contributions
- Background information

[1] Searching for Synagogues

Here either the synagogues of a federal German state are displayed alphabetically, for example, all synagogues in Bavaria or one can search for a particular synagogue in a city or on a street. The selected synagogue will be first presented by so-called base information, which is listed below:

- Information about the duration of the synagogue
- The date and the extent of the damage during the Nazi regime
- Details about a possible demolition
- Information as to what remains of the synagogue today
- Information about in what way the synagogue is remembered - what is now on the former location.

This information is based on bibliographical sources, which can also be found in the archive. This is the scientific part. First sources were used which give an overview about synagogues in a certain region or in a federal state. Thus a very large number of synagogues and prayer rooms could be included, while keeping the necessary amount of work within reasonable limits.

In the menu of the base information one can also see if there are any external contributions. For Bad Kissingen, for example, there are 35 images, 12 comments and 2 eyewitness reports registered. If one wants to call these up, one can choose the images, the comments or the eyewitness reports and a short list is displayed, from which one can select respectively. From this menu the user also can add information to the archive. For example, images that are called up over a personal file manager can be entered into the archive through the Internet. All entered external information is immediately online.

[2] New Entries

A second main menu point is the display of newly entered contributions. These are shown sorted according to the date. The last contribution is always listed first. As an example, one can find an eyewitness report to the synagogue in Munich from a user from England or a link to the synagogue in Essen or an image from the burning synagogue in Darmstadt, which was part of an estate and has never been published before. As far as the links are concerned, first a short description is displayed and then a new navigation window with the respective site can be clicked.

[3] Background information

The third main menu contains background information as a timetable to the Nazi regime, a short summary about the history of Jewish sacred buildings, a glossary and impressions from the virtual synagogues. There is also a guest book on this Internet site.

Figure 10 Synagogue Internet Archive, base information with external contribution, http://www.synagogen.info
A first analysis about the archive, which is now online for 6 months, has shown very satisfactory results. Until now there have been over 35,000 accesses of the starting page and about 560 external contributions have been received. The concept of the direct online publication of the external contributions has proved to be feasible because of high quality contributions. There were only a few technical errors on the part of the user and the small number of insulting and unqualified external contributions have been limited to the guest book and were able to be kept from publication without any problem. After the Congress in Vienna, a team was formed by Austrian participants of the congress who will expand the archive to include Austrian synagogues.

In closing one could say that the possibilities of cultural remembrance using the new media does not make it an unnecessary issue in the real world. There must be a parallelism of the sites. Historical authenticity at physical sites and immaterial remembrance in the immaterial digital sites. Both must play out their specific qualities.

One future possibility could be the combination of virtual buildings and authentic location. New forms of cultural remembrance do not lessen the obligation to think about what is to be remembered. Remembrance in context to society and the conveyance of cultural heritage always has something to do with a message for the next generation. In the case of the synagogues, this means the visualization of the loss as an incentive to reflect upon German history. I hope that this also strengthens the sensitivity pertaining to the exclusion of minorities today. (Fig.10)