

CIPA SYMPOSIUM 1999 OPENING ADDRESS

by P.WALDHÄUSL
President

Joint ICOMOS-ISPRS International Scientific Committee
on Documentation and Architectural Photogrammetry (CIPA)

Your Excellency, the Vice-President of Brazil,
Mr. President, Brazilian Society for Cartography,
Distinguished Guests, Delegates and Colleagues!

The theme of the 1999 General Assembly of ICOMOS¹ is "The Wise Use of Heritage". Therefore CIPA's XVIIth Symposium² here in Olinda is dealing with: "**The Wise Use of Documentation, Photography and Photogrammetry for the Preservation and Future Development of Heritage**".

This is a special year for CIPA, because it celebrates its **30th anniversary** of foundation by Maurice Carbonnell, France, Hans Foramitti, Austria, and others, who have established the Joint ISPRS-ICOMOS International Scientific Committee for Architectural Photogrammetry with the aim **to forward photogrammetry** as an ideal technical tool for heritage recording and measurement.

Now in 1999, CIPA is new, has new statutes, a new name and an extended field of interest according to the advanced state of technology and according to extended needs of conservationists. The new aims are **to forward recording and documentation and thus pre-servation of heritage** by means of geoinformatic technologies; this includes surveying and photogrammetry, of course.

CIPA's extended name further expresses its endeavour to serve and contribute to all technical questions concerning **documentation and documentation systems**. Its experts of Geoinformatics provide ICOMOS with technology and expertise on Information Systems, such as **Building Information Systems** for management

and administration,

Monument Information Systems for towns, regions and countries,

Heritage Information Systems and Networks for international data exchange, mutual assistance and co-operation related to heritage data and heritage meta-data.

Documentation and its wise use means reliability, quality, completeness of information to a maximum extent, means texts, plans, measurements, images, drawings as well as related geo-information on where the object was, where it is now and where any documentation can be found, its quality, the last update and the rights connected with it.

Photography and its wise use concerns not any more analogue images, only, such as made on glass plate or film, but also digital images, laser scanning "images", for visualisation by visual and virtual reality and for image communication via internet.

Photogrammetry and its wise use today is different from what it was 30 years ago, when the founders of CIPA recommended standardised normal case stereo pairs, only. Great changes are based on the development of computer sciences which today allow the use of normal photography and image sequences even of video cameras. As a first summary: CIPA has permanently updated its scope and included all types of digital CCD-camera imagery and technology.

The "-metry" in **Photogrammetry** relates to its origin as a surveying technology, i.e. measuring by means of photographs of the objects. Other surveying tools, such as tape and theodolite, deliver control data for photogrammetry, but is also used for completion, or even for all measurements. In many cases photogrammetry is not the most economic solution or is not possible at all.

¹ 17. - 25. October 1999 in Mexico City and Guadalajara, Mexico

² 3. - 6. October 1999 in Olinda, Brazil

Therefore it must be clear to everybody that CIPA - since ever - provides also any other measuring know-how for the wide application area of ICOMOS. The new CIPA has a special Working-Group on Surveying Methods in Conservation, which can be understood as the complement of photogrammetry and which considers all possible and the best suitable combinations. Thus CIPA can provide expert advice for any metrology in 2D, 3D and 4D.

CIPA is future oriented Documentary photography has been mostly considered as something for a static archive where it remains. The documentary images CIPA is recommending today are something for history as well, but mainly for living and active archives, permanently updated by systematic and periodical monitoring, where images may be compared, changes detected, trends analysed, and where consequences can be planned in time, archives for and within the actual management.

CIPA sees and plans a tremendously wide field of **teaching and training activities**, not only for the World Heritage. If the public shall have interest in the World Heritage, people must learn at first at home to consider its own house and its own surroundings as their monuments. Here the youth has to train proper documentation and change observation, self-critical analyses. Therefore, the intended training programme of CIPA includes courses in schools and with societies of different kind as well. And what they then will have learned and trained at home can be used later on to document wider and wider surroundings; finally it shall be used on travels and expeditions as well as professionally. The result will be collections of image documents available in any emergency case as well as for change and trend detection and analyses. The respective information systems of CIPA are called APIS, OBIS and CULIS. More about it during the conference.

CIPA sees its future also in museums, in more **co-operation with ICOM**, because geo-information, documentation, surveying and photogrammetry remain the same, are useable also for archaeological finds and artefacts of all kind. It is the same technology which is used for visualisation in internet and multi-media: Virtual and visual reality,

3D animations, measurements in visual and virtual 3D models, etc.

Who CIPA really is you will see during this symposium: An initiative group of colleagues and friends co-operating world wide. About 100 papers have been prepared which will be presented to you during the coming days. I thank all authors for their commitment. I thank all participants of this symposium for their coming from so many distant places of the world. I thank everybody already now for contributions, for proposals and solutions of bigger and smaller problems. Last but not least I thank the organisers for the hard work done and still to be done for making this symposium a success.

I am proud to be here and feel well here as an Austrian among cartographic friends from Brazil since long. On the 14 October 1920 arrived here and stayed here for long time an Austrian delegation with Dr. Arthur Freiherr von Hübl as leader and 10 other members of the Imperial and Royal Military Geographic Institute in Vienna following a call for technical assistance for the start of the Brazilian Cartographic Institute and for the introduction of photogrammetry to Brazil. Today we all are guests of a generous host country which has an excellent reputation in cartography and remote sensing. I thank the Brazilian Government and SBC, the Brazilian Cartographic Society, for hosting this XVIIth CIPA Symposium, which is the first CIPA Symposium in the Americas.

I invite all of you to join CIPA in its endeavour to forward modern technology for better and faster and more complete documentation of the built heritage, which belongs to the most valuable things mentioned in our testaments, to forward **Mapping and Preservation for the New Millennium**.

I wish all of you interesting days during this XVIIth Symposium of CIPA in Olinda!