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<table>
<thead>
<tr>
<th>Session 1</th>
<th>New Tasks, New Techniques, New Terms I</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 The selected main theoretical issues facing cartography</td>
<td>17–25</td>
</tr>
<tr>
<td>T. Kanakubo, J. Pravda, S. Rimbert, U. Freitag, Z. Török, T. Morita, C. Board (Meguro-ku, J; Bratislava, CS; Strasbourg, F; Berlin, D; Budapest, H; Tokyo, J; London, GB)</td>
<td></td>
</tr>
<tr>
<td>3 Hyperchina: Adventures in hypermapping</td>
<td>26–45</td>
</tr>
<tr>
<td>N. H. Huffmann (Washington DC, USA)</td>
<td></td>
</tr>
<tr>
<td>5 Digital topographic and geological 3D modelling for improved spatial perception</td>
<td>46–60</td>
</tr>
<tr>
<td>L. Hurni (Zürich, CH)</td>
<td></td>
</tr>
<tr>
<td>6 Communication between digital landscape model and two dimensional graphical map</td>
<td>61–65</td>
</tr>
<tr>
<td>K. Tuukkanen, K. Artimo (Espoo, SF)</td>
<td></td>
</tr>
<tr>
<td>7 Gilbert two-world projection</td>
<td>66–82</td>
</tr>
<tr>
<td>M. Lapaine, N. Francula (Zagreb, CRO)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Session 2</th>
<th>Navigation System, Tourism Cartography</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 The Automobile association’s digital database of Europe</td>
<td>85–92</td>
</tr>
<tr>
<td>R.G. Robbins (Basingstoke, GB)</td>
<td></td>
</tr>
<tr>
<td>10 Knowledge representation and reasoning in the nautical chart design expert system</td>
<td>93–102</td>
</tr>
<tr>
<td>T. Zhen, J.Y. Wang, A.S. Lin (Dalian, RC)</td>
<td></td>
</tr>
<tr>
<td>11 Panorama maps: the old magic on a new digital plane?</td>
<td>103–113</td>
</tr>
<tr>
<td>M. Wood, I. McCrorie (Aberdeen, GB)</td>
<td></td>
</tr>
<tr>
<td>12 A tourist’s view of Ireland</td>
<td>114–116</td>
</tr>
<tr>
<td>M. Davies (Dublin, IRL)</td>
<td></td>
</tr>
</tbody>
</table>
13 Development and improvement of tourist maps in China
S. Zhou, X. Liu (Nanjing, RC)

Session 3 123–178
Mapping Statistics
Chairman: J.M. Olson, Michigan State University (East Lansing, USA)

14 Approaches to a cartographic system for statistical analysis and spatial simulation
T. Bräuninger (Trier, D)

15 Searching for the most suitable cartographic representation in statistical mapping
Z. Wang (Enschede, NL)

16 An object-oriented expert system for quantitative cartography
X.Z. Lu (Xi'an, RC)

17 Census mapping: testing the limits
T. Trainor (Washington, USA)

18 Cartographic issues in census of population in Nigeria
I.A. Ikhuoria, E.N. Eseka (Kaduna and Lagos, NIG)

19 Cartographic approach to the study of refugee problem in former USSR
A. Emelyanov (Yaroslavl, CIS)

Session 4 179–227
Neural Nets, Cartographic Generalization
Chairman: E. Spiess, ETH Hönggerberg (Zürich, CH)

20 Procedural, logical and neural nets tools for map generalisation
J.C. Müller, W. Peng, Z. Wang (Enschede, NL)

21 Application of neural network in cartographic pattern recognition
L. Meng (Hannover, D)

23 Generalization in GIS environment
D. Grünreich (Hannover, D)

24 Knowledge-based methods and multiple representation as means of on-line generalization
T. Kilpeläinen, T. Sarjakoski (Helsinki, SF)

25 The research on tools of the cartographic generalization expert system
J.Y. Wang, F. Wu, Z. Wu (Zhengzhou, RC)
Session 5

Mass Media Cartography
Chairman : J. Miranda I Canals, Inst. Cartografic de Catalunya (Barcelona, E)

26 Maps, Myths and the media: cartography and the "new Europes"
P. Vujakovic (Cambridge, GB)

27 Weather maps on television in the USA
J.R. Carter (Normal, USA)

28 Newspaper maps in Germany
W. Scharfe (Berlin, D)

29 Directing the design of maps for public information on the base of a user oriented communication model
A.-D. Uthe (Berlin, D)

30 Editing an international map series – specifics and problems
P. Jordan (Wien, A)

Session 6

Mapping Land Use
Chairman : R. Dahlberg, Northern Illinois University (Dekalb, USA)

33 The application of satellite image and image map in urban planning of Bangkok metropolitan
S. Silapacharanan (Bangkok, T)

34 Study of remote sensing thematic series maps
T. Ye (Beijing, RC)

35 Spatial data available regarding agricultural resources in Thailand
W. Thothong (Bangkok, T)

36 The method of drawing the land resources map of the People's Republic of China
C. Chen (Guangzhou, RC)

37 Digital landscape model and its cartographic presentation in land use planning
T. Ruutiainen, K. Artimo (Espoo, SF)

Session 7

Knowledge-based Mapping Systems
Chairman : J. Morrison, U.S. Geological Survey (Reston, USA)

38 A knowledge-based thematic mapping system – the other way round
E. Hutzler, E. Spiess (Zürich, CH)
<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>Tactile location maps from commercial geographic information systems</td>
<td>341–351</td>
</tr>
<tr>
<td></td>
<td>M.R.C. Coulson (Calgary, CDN)</td>
<td></td>
</tr>
<tr>
<td>41</td>
<td>Graph Theory and Network Generalization in Map Design</td>
<td>352–362</td>
</tr>
<tr>
<td></td>
<td>K. Beard, W. Mackaness (Orono, USA)</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>Generalization of digital surface models</td>
<td>363–371</td>
</tr>
<tr>
<td></td>
<td>J.T. Bjørke, T. Midtbø (Trondheim, N)</td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>Treating of area features concerning the derivation of digital cartographic models</td>
<td>372–382</td>
</tr>
<tr>
<td></td>
<td>M. Beines (Bonn, D)</td>
<td></td>
</tr>
</tbody>
</table>

**Session 8**

Maps for Protection and Disaster Prevention

Chairman: A. Papp-Vary, Hungarn Nation. Com. of ICA (Budapest, H)

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>44</td>
<td>Principes d'une cartographie globale des risques naturels et technologiques</td>
<td>385–395</td>
</tr>
<tr>
<td></td>
<td>J. Steinberg (Alfortville, F)</td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>Mapping systems for disaster preventions</td>
<td>396–405</td>
</tr>
<tr>
<td></td>
<td>M. Tsuzawa, K. Haraguchi, Y. Inazawa (Tsukuba-shi, J)</td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>Maps for the protection of the public during a technological disaster</td>
<td>406–410</td>
</tr>
<tr>
<td></td>
<td>U.J. Dymon (Kent, USA)</td>
<td></td>
</tr>
<tr>
<td>47</td>
<td>Design and compilation of urban anti-disaster planning atlas</td>
<td>411–420</td>
</tr>
<tr>
<td></td>
<td>L. Yanfang, L. Yaolin (Wuhan, RC)</td>
<td></td>
</tr>
</tbody>
</table>

**Session 9**

Map Based Information Systems I

Chairman: S.C. Guptill, U.S. Geological Survey (Reston, USA)

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>Digital quality products of official cartography in Germany</td>
<td>423–434</td>
</tr>
<tr>
<td></td>
<td>H. Brüggemann (Bonn, D)</td>
<td></td>
</tr>
<tr>
<td>51</td>
<td>Digital geological map production in the UK – more than just a cartographic exercise</td>
<td>435–448</td>
</tr>
<tr>
<td></td>
<td>E.F.P. Nickless, I. Jackson (Nottingham, GB)</td>
<td></td>
</tr>
<tr>
<td>52</td>
<td>Mapping supported by the national land information system in China</td>
<td>449–459</td>
</tr>
<tr>
<td></td>
<td>J. Jiang, D. Wang (Beijing, RC)</td>
<td></td>
</tr>
<tr>
<td>53</td>
<td>Designing advanced GIS visualisations using cognitive ergonomics theories, models and procedures</td>
<td>460–467</td>
</tr>
<tr>
<td></td>
<td>A. Turk (Melbourne, AUS)</td>
<td></td>
</tr>
<tr>
<td>54</td>
<td>A knowledge base system based on GIS for thematic mapping</td>
<td>468–477</td>
</tr>
<tr>
<td></td>
<td>B. Su, W. Zhang, H. Li, X. Zhang, Y. Zhang, X. Zhu, J. Li (Wuhan, RC)</td>
<td></td>
</tr>
</tbody>
</table>
User differences in a GIS environment: a protocol study
C. McGuinness, A. van Wersch, P. Stringer (Belfast, GB)

Session 10
New Tasks, New Techniques, New Terms II
Chairman: E. Bos, ITC (Enschede, NL)

Dynamic maps as a new type of cartographic production
A.M. Berlyant, L.A. Ushakova (Moskva, CIS)

The use of flow diagrams for describing new techniques in map production
S. van der Steen, A. Brown (Enschede, NL)

Hybrid cartographic data processing: up-to-date techniques to accomplish official tasks
E. Jäger (Hannover, D)

Scan-vectorisation as a means for the acquisition of digital data for purposes of a computer based planning cadastre
H.F. Kern (Karlsruhe, D)

Automatic pattern recognition for economic map revision
A. Carosio, R. Stengele (Zürich, CH)

Automatic digitization of geographical names on 1/25,000 scale maps
K. Inaba, K. Kamada (Tsukuba-shi, J)

Session 11
Map Based Information Systems II
Chairman: M. Wood, Centre for Remote Sensing (Aberdeen, GB)

Space, time, chaos and coastal GIS
D. Bartlett (Cork, IRL)

Describing spatial data quality
S.C. Guptill (Reston, USA)

Exploratory analysis of error in geographic information systems
H. Veregin (Kent, USA)

Map image metafile: Intelligent and hardware independent digital representation of a map
F. Broom (Washington, USA)

Session 12
Atlas Cartography I
Chairman: D. Pearce, International Cartographic (Mount Pleasant, AUS)
Regional, national and international atlases – towards an integrated system
S. Jaatinen (Helsinki, SF)

Product analysis and market research to explore regional atlas content and design
C.P. Keller, D. Hocking (Victoria, CDN)

Composition and design of "the medicinal herbs resources atlas of China"
J. Li, R. Gao (Beijing, RC)

User interface issues in a computer atlas
M. Lindholm, T. Sarjakoski (Helsinki, SF)

La production d'un atlas environnemental : le cas du Saint-Laurent
J. Raveneau (Québec, CDN)

"Navigation" and "narration" strategies in dynamic bivariate mapping
M. Monmonier (Syracuse, USA)

Generation of high-quality 1:25,000 and 1:50,000 satellite image maps of high-relief terrain
M.F. Buchroithner, R. Fischer (Dresden, D and Graz, A)

Strategies and contents of topographic-cartographic real-world-modelling
G. Vickus (Bonn, D)

MKS-aspect™ – a new way of rendering cartographic Z surfaces
H. Moellering (Columbus, USA)

Représentation graphique et analyse de surfaces avec le procédé IRISOS
C. Schneider (Strasbourg, F)

DKT
List of Chairpersons
List of Authors
<table>
<thead>
<tr>
<th>Session 14</th>
<th>Map Based Information Systems III</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chairman:</td>
<td>Q. Zhang, Research Inst. of Surveying (Beijing, RC)</td>
</tr>
</tbody>
</table>

80. The use of colour in the cartographic representation of information quality generated by a GIS  
A. Brown, C.P.J.M. van Elzakker (Enschede, NL)

81. From GIS to final print-ready films  
C. Brandenberger, E. Spiess (Zürich, CH)

82. Research and production of electronic color atlas  
B. Jiang, Q. Zhang (Beijing, RC)

83. A cartographic output-generator for an urban GIS of high resolution  
E. Wilmersdorf (Wien, A)

85. An end-user GIS for flood risk determination  
K. Kim, G. Dutton, M. Goldworm, D. Cotter (Cambridge, Nashua and Washington, USA)

<table>
<thead>
<tr>
<th>Session 15</th>
<th>Space and Map Perception and Language Representation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chairman:</td>
<td>T. Morita, Kokusai Kogyo Co., LTD (Tokyo, J)</td>
</tr>
</tbody>
</table>

86. Theoretical issues in cartographic modeling  
V.S. Tikunov (Moskva, CIS)

87. A semiotical approach to typology of the map signs  
D. Uçar (Kadiköy, TR)

88. Map expression, map semiotics, map language  
J. Pravda (Bratislava, CS)

89. Spatial information systems and the perception of map series on screens  
P. Tainz (Trier, D)

91. Mapping in the future: the needs of young children  
J.M. Anderson (Montreal, CDN)

<table>
<thead>
<tr>
<th>Session 16</th>
<th>Atlas Cartography II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chairman:</td>
<td>F. Ormeling, Universiteit van Utrecht (Utrecht, NL)</td>
</tr>
</tbody>
</table>
92 Present state of the national atlas of Spain. Future projects
F. Aranaz (Madrid, E)

93 The national atlas of Sweden – an atlas produced by new technology
U. Armborg, M. Elg, M. Syrén (Stockholm, S)

95 Atlas cartography in Albania
E. Samimi, E. Seferi (Tirana, AL)

97 Glance and misery of school atlases
R. Capek (Praha, CS)

Session 17
Map Based Information Systems IV
Chairman: J.C. Muller, Intern. Inst. for Aerospace (Enschede, NL)

98 Scale change via hierarchical coarsening: cartographic properties of quaternary triangular meshes
G. Dutton, B.P. Butterfield (Cambridge and Buffalo, USA)

99 The conceptual design and realization for an object-oriented map database management system
Y.J. Zou (Xi'an, RC)

101 Improving the international user interface in computer cartography
M.P. Peterson (Omaha, USA)

102 Visualization of quality information as an indispensable part of optimal information extraction from a GIS
F.J.M. van der Weij (Utrecht, NL)

Session 18
Space and Map Perception, Cartographic Design
Chairman: V.S. Tikunov, Moscow State University (Moskva, CIS)

104 Topography, topology and time – the A +3T concept of geographical space in a GIS
N. Kadmon (Jerusalem, IL)

105 The perception of the representation of temporal change in choropleth maps for visually handicapped people
C. Blok (Enschede, NL)

106 New types of city maps using operational scales
E. Krzywicka-Blum (Wroclaw, PL)

107 Cartographic design and the electronic chart user interface
G. Langran (Reston, USA)

108 The establishment of a thematic map design expert system PC-mappe
Y. Hua, J. Gao (Zhengzhou, RC)
109 Procedure-independent representation of positioning symbol  
D. Du, L. Li (Wuhan, RC)

Session 19  
Interactive and Educatonal Cartography  
Chairman: Ch. Board, The Royal Society (London, GB)

110 Envisioning environments: map metaphors and multimedia databases in education and consumer mapping  
P. Forer (Christchurch, NZ)

111 Computer-assisted learning and the visualization of spatio-temporal data  
M.J. Kraak, T. Tijssen (Delft, NL)

113 Representing the geographical space for visually handicapped students: a case study on map use  
R. Vasconcellos (São Paulo, BR)

114 Teaching and learning map projections with a computerized tutor  
W. Kainz (Wien, A)

115 Wherefore art thou cartographer? Your GIS needs You!  
D.R. Green (Aberdeen, GB)

Session 20  
Map Based Information Systems V, Marketing Cartographic Data  
Chairman: E. Siekierska, Canada Center for Mapping (Ottawa, CDN)

116 Cartographic treatment of topographical relief with "CAD" systems  
P. Yoeli (Tel-Aviv, IL)

117 Line simplification in three dimensions  
B.E. Smith (Huntsville, Alabama, USA)

118 Constructions of basic information systems in Republic Slovenia  
B. Lipej (Ljubljana, SLO)

119 Traffic intensity maps  
H.F. Kern, H. Morhard (Karlsruhe and Stuttgart, D)

120 Protection de la production cartographique  
J.P. Grelot (Paris, F)

Session 21  
Multi Media Displays and Hypermapping  
Chairman: M.P. Peterson, Uni. of Nebraska at Omaha (Omaha, USA)

122 From master database to multiple cartographic representations  
D. Lee (Huntsville, USA)
<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors/Institutions</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>123</td>
<td>A comprehensive approach in cartographic animation</td>
<td>D. Karl (Berlin, D)</td>
<td>1086–1092</td>
</tr>
<tr>
<td>125</td>
<td>Ariadne's thread – structure in multimedia atlases</td>
<td>F. Ormeling (Utrecht, NL)</td>
<td>1093–1100</td>
</tr>
<tr>
<td>126</td>
<td>Electronic mapping systems – a multimedia approach to spatial data use</td>
<td>H. Asche, C.M. Herrmann (Berlin and Karlsruhe, D)</td>
<td>1101–1108</td>
</tr>
<tr>
<td>127</td>
<td>Grading of the map functions in navigation systems</td>
<td>T. Morita (Tokyo, J)</td>
<td>1109–1118</td>
</tr>
</tbody>
</table>

**Poster Session**

**Maps for Knowledge, Action and Development**

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors/Institutions</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>P128</td>
<td>Concepts, definitions and theory in the modern cartography</td>
<td>K. Artimo (Espoo, SF)</td>
<td>1121–1127</td>
</tr>
<tr>
<td>P129</td>
<td>Topological selections in broad sense</td>
<td>W. Hehai (Wuhan, RC)</td>
<td>1128–1136</td>
</tr>
<tr>
<td>P130</td>
<td>Knowledge representation approach to cartographic conceptual model formalisation</td>
<td>W. Zhang, G. Brooke, K. Kubik (Brisbane, AUS)</td>
<td>1137–1149</td>
</tr>
<tr>
<td>P131</td>
<td>How to acquire reliable rules and knowledge for map design expert systems (mades)?</td>
<td>K. Grosser (Leipzig, D)</td>
<td>1150–1159</td>
</tr>
<tr>
<td>P132</td>
<td>The electronic maps system conception</td>
<td>A. Martynenko (Moscow, CIS)</td>
<td>1160–1163</td>
</tr>
<tr>
<td>P133</td>
<td>World, map, children</td>
<td>T. Matsuzawa (Tokyo, J)</td>
<td>1164–1169</td>
</tr>
<tr>
<td>P134</td>
<td>Cooperation between the ICA and UNGEGN – cartography and G.I.S. in the U.N. course on toponymy, Pretoria 1992</td>
<td>N. Kadmon (Jerusalem, IL)</td>
<td>1170–1176</td>
</tr>
<tr>
<td>P135</td>
<td>A new proposal for the coastal zone cartography</td>
<td>F. Marabini (Bologna, I)</td>
<td>1177–1184</td>
</tr>
<tr>
<td>P136</td>
<td>Surface processing and rapid display for geography realistic graphics</td>
<td>C. Baowen (Beijing, RC)</td>
<td>1185–1193</td>
</tr>
<tr>
<td>P137</td>
<td>Line generalization of non-projected data</td>
<td>D.G. Christian (Huntsville, USA)</td>
<td>1194–1204</td>
</tr>
<tr>
<td>P138</td>
<td>Qu'est-ce qu'il reste de la cartographie après l'apparition des GIS?</td>
<td>A. Bianchin (Venezia, I)</td>
<td>1205–1211</td>
</tr>
</tbody>
</table>
Small scale cartography from space - application of NOAA satellite data to map China.
H. Qian (Wuhan, RC)

The scope of tengkap
G.F. Spencer (Perth, AUS)

An experimental research on map color automatically design
Q. Liang, Z. Shi, P. Han (Beijing, RC)

Cartosemiotics - ideas and inducements
A. Wolodtschenko, J. Pravda (Dresden, D; Bratislava, CS)

Using dot maps for thematic studies and regionalization
H. Klimczak (Wroclaw, PL)

Characteristics of parameter spaces for geographic/ecologic knowledge representation
H. Kremers (Berlin, D)

The cartographic projections used for Albanian maps
A. Shehu (Tirana, AL)

The new national atlas of Sweden
S. Helmfrid (Stockholm, S)

The situation and perspective of thematic atlas in China
C. Wen (Guangzhou, RC)

The rossilhe projection of the entire ellipsoid
J. Panasiuk, B. Gdowski, J. Balcerzak (Warszawa, PL)

Manipulation and analysis of temporal geographic information
G. Langran (Reston, USA)

The preparation of geographic information database and its model systems
K. Akeno, Y. Kumaki, S. Takazawa, H. Uhe, Y. Nakano, T. Tanaka (Tsukuba-shi, J)

Development of raster based revision method of 1/25,000 topographic maps
H. Maruyama, I. Kamiya, T. Yoshinari, B. Urabe (Tsukuba-shi, J)

The bureaucrata network and cartographical information systems of China in ancient times.
W. Keling, X. Zhaozhong (Wuhan, RC)

First results of GIS based geocological mapping
G. Mezősi, L. Mucsi (Szeged, H)

Present maps of the alpine clubs
G. Gartner (Wien, A)
P156 Concept and structure of a cartographic information system for tourists
J. Schewe (Breckerfeld, D) 1343–1348

P157 Finnish Roads – a completely new numerical database covering the whole Finland is ready
E.-S. Harju (Helsinki, SF) 1349–1352

P158 Informational-cartographic relief analysis for rational application of natural resources
G.A. Kerimov, A.M. Museibov (Baku, AZE) 1353–1360

P159 Flux de population à la Martinique entre 1975 et 1982: analyse des données et représentation cartographique
M.M. Thomassin, J.-P. Benzecri (Fontenay s/Bois and Paris, F) 1361–1369

P160 The informational-statistical modelling of the space differentiation of morphostructure of the caucasus minor on the computer
A.A. Nabiyev (Baku, AZE) 1370–1375

P161 Studien- und Basiskarten für raumbezogene Forschungsarbeiten im tibetischen Himalaya
R. Kostka (Graz, A) 1376–1385

P162 Compilation of yadong-golmud geoscience transect of Qinghai-Tibet in China
L. Xie (Beijing, RC) 1386–1394

P163 New contents of urban land use mapping
L. Yaolin, L. Yanfang (Wuhan, RC) 1395–1402

P164 The compilation and drawing of land resources map on the scale of 1:1,000,000 of China
H. Wang (Changchun, RC) 1403–1408

P165 Some character of cartographic education in to the department of geography normal college and normal university of China
H. Tian-rui (Fuzhou Fujian, RC) 1409–1416

DKT 1417–1424
List of Chairpersons 1425
List of Authors 1425–1426
PREFACE

The call for papers for the 16th ICC'93 in Cologne met with such a good response and attracted such a large number of qualified papers that the Organizing Committee of the Conference decided to expand the program: A poster session offers the opportunity for visual presentations of additional papers, and a specific "information market" makes it possible to present workshop results at short notice. The papers of the oral presentations and as well as the contributions to the poster session are compiled in this publication which had to be split up into two volumes because of the large number of papers submitted and eventually accepted for presentation.

It would not have been possible to complete this publication without the support and cooperation of many people. First of all, we have to thank the authors who contributed to the publication by handing in their papers in time. According to the regulations of ICA, the texts are in the official ICA languages, i.e. either in English or in French; they are in their original form and have not been edited.

All papers were reviewed by the members of the Scientific Programme Committee who also gave their advice, and contributed to the organization of the programme for the plenary and poster sessions. I gratefully acknowledge the help rendered by

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The general theme of this conference covers a wide variety of cartographic subjects. The Scientific Programme Committee expects the Cologne ICC'93 to answer - many or at least some - questions, but we are also sure it will raise new ones. We hope that the publication of the proceedings will promote discussion and contribute to the dissemination of cartographic knowledge and hence to progress in cartography.

Peter Mesenburg  
Chairman Scientific Programme Committee

Note: The proceedings contain only those papers that were received in time for publication