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IV/V

Conclusions to themes IV and V
Conclusions aux thèmes IV et V
Schlussfolgerungen zu Thema IV und V

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Working Commission III has been responsible for themes IV and V, i. e.

IV. Interrelation between Design and Methods of Construction
for elevated Highways and Viaducts.

V. Tall slender Structures.

For theme IV there were two introductory reports, one by Prof. Menn and one by Prof. van der Vlugt. There were 7 contributions to the prepared discussion and 8 to the free discussion.

For theme V there was one introductory report, i. e. by Prof. Leonhardt. To the prepared discussion there were 8 contributions, but to the free discussion only one.

Prof. van der Vlugt summed up the discussion-contributions for theme IV, saying that they were of high quality, very informative, and very well illustrated by slides. They had brought new ideas and new applications, e. g. about erection methods for fly-overs of railways under full traffic. He also pointed out some items for further research in future.

One contribution should perhaps be mentioned particularly, i. e. the one by Prof. Menn. He showed a diagram over material-economy of executed bridges, in Switzerland, Germany and France, showing the relation between amount of material, concrete and steel, and bridge span length. This relation had a very small scatter, only about 5%.

For theme V Prof. Leonhardt pointed out, that there were very interesting reports, mainly from Japan, but no one from Europe. Those reports showed a very good agreement between measured oscillations of tall towers and calculated oscillations. He meant that such measurements were most valuable, and that more research in that field was desirable. He pointed out, that such research also ought to be made in Europe.

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