

possible with the paper maps. While all of the papers in this issue feature some aspects of the map use environment, Torguson most strongly focuses on the map use environment where users can interact with maps in electronic formats. Ormeling hypothesizes ways that maps will evolve in response to user actions. He emphasizes that it is equally important to 'get the user the right information as it is to make certain the user gets it right.'

There are many ways to classify map uses, or tasks. Each of these papers have a component relating to one or more uses. In the papers by Ungar, et.al., the tasks are assigned by the researchers. In one case, persons are required to use tactile maps to navigate a specific route. In another case, children are required to learn a geographic arrangement and to recreate that pattern in a given time. Thompson wants his students to use maps to gain an understanding of a complex urban world. Board reports on a higher level task, where users are asked to integrate map details to find complex regions. Ormeling is concerned about the design of maps appropriate to the many tasks involved in using maps.

These papers do not tell us all that we need to know about map use, but they represent a good illustration of the many dimensions of this important area of study. As such, they give us a perspective on cartography, and thus deserve to be published in *Cartographic Perspectives*.

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