

Frontinus-Gesellschaft e.V.

Internationale Gesellschaft für die Geschichte
der Wasser-, Energie- und Rohrleitungstechnik



Cordial Invitation
to the Online Lecture (ZOOM) on 13.04.2023, 6:00 pm (CET)

Drs. Paul Kessener
“Römische Druckleitungen und deren Probleme – Teil 2”
(“Roman Siphons and associated Problems – Part 2”)
(Lecture in German)

Paul Kessener, educated as a physicist at Nijmegen University, is an independent researcher of Roman aqueducts and water distribution, ancient hydraulics, and hydraulic machines. Special interests are pressure conduits (inverted siphons) and associated problems from air-water interaction, discharge measurements of aqueducts, as well as related literature of ancient authors as Vitruvius, Frontinus, Pliny. Investigations were performed among others at Nîmes, Lyon, Pompeii, Aspendos, Patara, Antiochia ad Cragum, Palermo, Nijmegen. Since 2005 member of the international research team for the investigation of the aqueducts of Ephesos under direction of the Österreichisches Archäologisches Institut at Vienna (ÖAI, Dipl.-Ing. Gilbert Wiplinger). Presentations were given at the ‘Cura Aquarum’ conferences and the ‘International Congress on the History of Water Management and Hydraulic Engineering’ series. PhD 2017 on Roman Water Distribution and Inverted Siphons (Radboud University Nijmegen, Prof. Dr. Eric Moormann). Publications in international magazines as Babesch, Journal of Roman Archaeology, and others (<https://independent.academia.edu/PaulKessener>). Member of the Frontinus Gesellschaft and of the Deutsche Wasserhistorische Gesellschaft DWhG.

Paul Kessener about the lecture:

In the first part of the lecture on 12.01.2023 it was shown that there were different designs of pressure lines. Normally, pressure pipes consisted of an inlet basin, a downstream pipe, a horizontal pipe in the valley, an upstream pipe and an outlet basin. But there were also penstocks with a hill in between, and then with one or more hydraulic towers on top of a hill, but also with a hill in between without such towers. In the second part of the lecture we will try to find an explanation why these different designs were chosen.

The access data for the online meeting (ZOOM) are as follows:

<https://us02web.zoom.us/j/87933930044?pwd=dlk4REZ4S0NnL3k2RGN2TVdtZTd3Zz09>

Meeting-ID: 879 3393 0044, Kenncode: 631844

Prof. Dr.-Ing. Hans Mehlhorn
President of the Frontinus Society

Dipl.Ing. Gilbert Wiplinger
Head of the Scientific Board
of the Frontinus Society