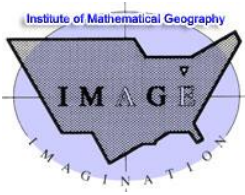


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## PNEUMATIC TUBES, SPECIALIZED NETWORK PROJECT, ASSOCIATED LINKS AND CITATIONS

Interest in Pneumatic Tube technology began when the author was a child living in Paris, France. She became fascinated with Le Petit Bleu (Parisian pneumatic postal network) and associated other networks: Le Metro, underground water and sewer networks, and more loosely the bus network. Her first academic interest in it came when she explored those earlier fascination to create a geographical realization, for her Ph.D. dissertation, of a geometric explanation of the Steiner network problem along with a new construction for its implementation. Much of the latter work is captured in IMaGe monograph number two, and later work integrates her interests in philately with pneumatic tubes. Further, continuing work on networks and graph theory persist in many directions and are only briefly touched here. This focused project is one of global proportions, that has been unfolding over decades and continues to unfold in various directions. The set of articles below tracks various avenues of exploration into this interesting form of communication.

- 1949-50; 1952-53; 1956. Direct novel, anecdotal, observation of the Parisian Pneumatic Postal Network.
- 1977. Arlinghaus, Sandra L. *On Geographical Network Location Theory*. Ph.D. Dissertation, Department of Geography, The University of Michigan, Ann Arbor. Advisor: Waldo R. Tobler (Geography). Dissertation Co-chairs: Waldo R. Tobler and John D. Nystuen (Geography). Other committee members: Donald R. Deskins, Jr., (Geography) and Andreas Blass (Mathematics cognate).
- 1986. Arlinghaus, Sandra L. [\*Down the Mail Tubes: the Pressured Postal Era, 1853-1984\*](#). IMaGe Monograph #2. Institute of Mathematical Geography, archived in University of Michigan, Deep Blue: <https://deepblue.lib.umich.edu/handle/2027.42/58219>
- 1987. Arlinghaus, Sandra Lach. [\*Essays on Mathematical Geography--II\*](#). Ann Arbor: Institute of Mathematical Geography, Monograph Series, Monograph #5, 1987. Archived in Deep Blue: <https://deepblue.lib.umich.edu/handle/2027.42/58267>
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- 1993. Arlinghaus, Sandra L. "Pneumatic Postal Maps: The French Connections." Originally published in *The CartoPhilatelist*, Vol. 38, No. 3, (September, 1993), the CartoPhilatelic Society. Archived: <http://deepblue.lib.umich.edu/bitstream/2027.42/58769/1/carto03.pdf>
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- 1994. Arlinghaus, Sandra Lach. "Structural Models in the Subterranean World." *Geographical Review* (American Geographical Society of New York) Vol. 84, No. 2 (Apr., 1994), pp. 152-161. Taylor & Francis, Ltd.
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- 2002. Arlinghaus, Sandra L.; Arlinghaus, William C.; and Harary, Frank. *Graph Theory and Geography: An Interactive View*. Ebook. John Wiley & Sons. ISBN: 978-0-471-41189-5. Archived backup: <https://deepblue.lib.umich.edu/handle/2027.42/58623>



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- 2009. Arlinghaus, Sandra L. *Down the Mail Tubes: the Pressured Postal Era, 1853-1984*. [Link](#) to supplementary material, [Solstice: An Electronic Journal of Geography and Mathematics](#), Volume XX, Number 1: "Down the Mail Tubes: Yesterday, Today, and ... Tomorrow?"
- 2011. Arlinghaus, Sandra L. and Arlinghaus, William C. "Pneumatic Networks as GeoGraphs." *Geographical Analysis*, Volume 43, Issue 4, October 2011, pp 358-369.