

## List of publications by Ingemar Nåsell

- 1) Ny typ av kondensatormikrofon har omkopplingsbart riktningsdiagram. (Written in Swedish.) Radio och Television, 56–58, 1960.
- 2) The 1962 survey of noise and loss on toll connections. Bell Sys. Tech. J., **43**, 697–718, 1964.
- 3) The 1963 survey of impulse noise on Bell System carrier facilities. IEEE Trans. Comm. Techn., **COM-14**, 520–524, 1966. (Coauthor J. H. Fennick.)
- 4) Some properties of power sums of truncated normal random variables. Bell Sys. Tech. J., **46**, 2091–2110, 1967.
- 5) Some transmission characteristics of Bell System toll connections. Bell Sys. Tech. J., **47**, 1001–1018, 1968.
- 6) The transmission performance of Bell System intertoll trunks. Bell Sys. Tech. J., **47**, 1561–1613, 1968. (Coauthors C. R. Ellison and R. Holmstrom.)
- 7) Echo performance of toll telephone connections in the United States. Bell Sys. Tech. J., **54**, 209–243, 1975. (Coauthors G. K. McNeese and T. W. Thatcher.)
- 8) Mathematical Models of Some Parasitic Diseases Involving an Intermediate Host. Doctoral dissertation, New York University, New York, 1972.
- 9) A mathematical model of some helminthic infections. Comm. Pure Appl. Math., **25**, 459–477, 1972. (Coauthor W. M. Hirsch.)
- 10) The transmission dynamics of schistosomiasis. Comm. Pure Appl. Math., **26**, 395–453, 1973. (Coauthor W. M. Hirsch.)
- 11) Inequalities for modified Bessel functions. Math. Comp., **28**, 253–256, 1974.
- 12) Hur snäckfebern bekämpas matematiskt. (Written in Swedish.) Svensk Naturvetenskap, **27**, 149–158, 1974.
- 13) Schistosomiasis in a community with external infection. Proc. 8th Int. Biom. Conf., Editura Academiei Republicii Socialiste Romania, 123–131, 1975.

- 14) The transmission and control of schistosome infections. In *Mathematical Analysis of Decision Problems in Ecology*, Springer Verlag Lecture Notes in Biomathematics, **5**, 271–298, 1975. (Coauthor W. M. Hirsch.)
- 15) A hybrid model of schistosomiasis with snail latency. *Theor. Pop. Biol.*, **10**, 47–69, 1976.
- 16) On eradication of schistosomiasis. *Theor. Pop. Biol.*, **10**, 133–144, 1976.
- 17) A mathematical model of helminthiasis with external infection. *Trans. Seventh Prague Conf. and 1974 European Meet. Stat.*, Academia Publishing House of the Czechoslovak Academy of Sciences, 451–459, 1977.
- 18) On transmission and control of schistosomiasis, with comments on Macdonald's model. *Theor. Pop. Biol.*, **12**, 335–365, 1977.
- 19) Schistosomiasis with concomitant immunity. *Bull. Int. Stat. Inst.*, **47(2)**, 3–21, 1977.
- 20) When is the modified Bessel function equal to its derivative? *SIAM Review*, **19**, 737, 1978.
- 21) Mating models for schistosomes. *J. Math. Biol.*, **6**, 21–35, 1978.
- 22) Rational bounds for ratios of modified Bessel functions. *SIAM J. Math. Anal.*, **9(1)**, 1–11, 1978.
- 23) When is the modified Bessel function equal to its derivative? *SIAM Review*, **20(4)**, 862, 1978.
- 24) Mathematical models of schistosomiasis. In *Developing Mathematics in Third World Countries*, North Holland Publ. Co., 111–126, 1979.
- 25) The role of the breakpoint in schistosomiasis eradication. *Proc. Seventh Conf. Prob. Theory*, Editura Academiei Republicii Socialiste Romania, 283–294, 1984.
- 26) Hybrid Models of Tropical Infections. Springer Verlag Lecture Notes in Biomathematics, **59**, 1985.

- 27) On superinfection in malaria. *IMA J. Math. Appl. Biol. Med.*, **3**, 211–227, 1986.
- 28) Malaria infection with relapses and misdiagnosis, *Stochastic Processes in Epidemic Theory*, Springer Verlag Lecture Notes in Biomathematics, vol. 86, 59–69, 1990.
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- 31) Discussion of the article *Epidemics: Models and Data* by D. Mollison, V. Isham and B. Grenfell, *J. R. Stat. Soc. A*, **157**, Part 1, pg 142, 1994.
- 32) The threshold concept in stochastic epidemic and endemic models, In *Epidemic Models: Their Structure and Relation to Data*, D. Mollison (editor), Cambridge University Press, Cambridge, 71–83, 1995.
- 33) The quasi-stationary distribution of the closed endemic SIS model. *Adv. Appl. Prob.*, **28**, 895–932, 1996.
- 34) Ross' malariamodell och kvalitativ teori. (In Swedish) *Normat*, **1**, 1-13, 1998.
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- 36) On the time to extinction in recurrent epidemics. *J. Roy. Stat. Soc. B*, **61**, Part 2, 309-330, 1999.
- 37) Extinction and quasi-stationarity in the Verhulst logistic model, *J. Theor. Biol.*, **211**, No 1, 11-27, 2001.
- 38) Endemicity, persistence, and quasi-stationarity, In *Mathematical Approaches for Emerging and Reemerging Infectious Diseases, An Introduction*, C. Castillo-Chavez, P. van den Driessche, D. Kirschner, A. Yakubo (editors), *IMA Volumes in Mathematics and its Applications*, **125**, Springer-Verlag, New York, 199-207, 2002.
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41) Moment closure and the stochastic logistic model, *Theor. Pop. Biol.*, **63**, No 2, 159–168, 2003.

42) An extension of the moment closure method, *Theor. Pop. Biol.*, **64**, 233–239, 2003.

43) A new look at the critical community size for childhood infections, *Theor. Pop. Biol.*, **67**, 203–216, 2005.

44) Extinction and Quasi-stationarity in the Stochastic Logistic SIS Model, *Springer Lecture Notes in Mathematics* **2022**, Springer-Verlag, Berlin, Heidelberg, 2011.

45) Recurrence conditions for childhood infections, *J. Theor. Biol.*, **313**, 212–216, 2012.

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47) An alternative to moment closure, *Bull. Math. Biol.*, **79**, Issue 9, 2088–2108, 2017, DOI 10.1007/s11538-017-0321-2. See also arxiv:1707.03182.