

CURRICULUM VITAE

Alden S. Klovdahl, Ph.D.

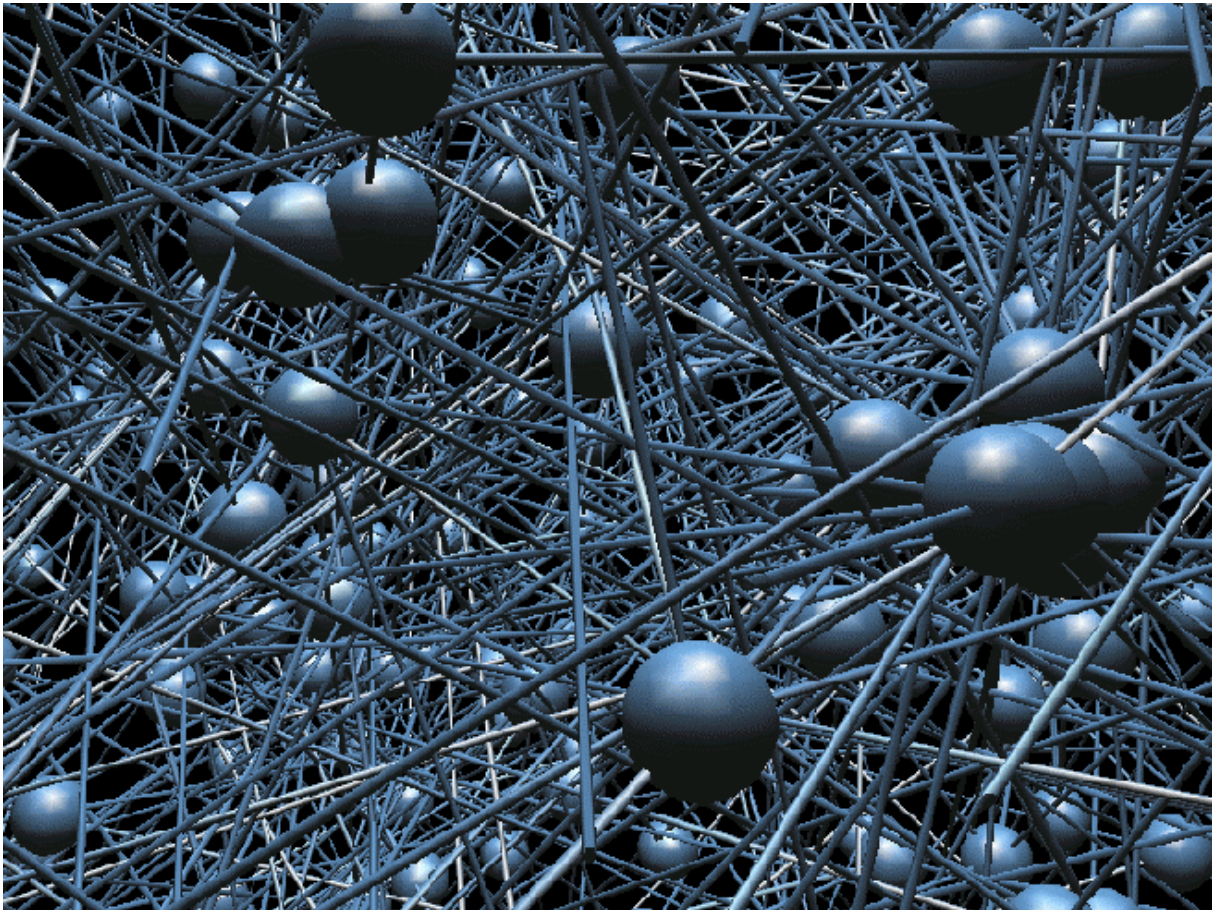


Image: The core ($n \approx 450$) of a social network of over 5,000 urban residents (in Canberra, Australia).

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NAME: Alden S. Klovdahl, Ph.D.

ADDRESS: School of Social Sciences,
The Faculties, The Australian National University
Canberra, A.C.T., Australia 0200

EDUCATIONAL/EMPLOYMENT BACKGROUND:

2003-: Adjunct Professor, School of Public Health, University
of Texas, Houston, The Medical Center, Houston, Texas

1995-2003: Visiting Professor, School of Public Health,
University of Texas, Houston, The Medical Center,
Houston, Texas (about two months every year)

1994: Visiting Professor, School of Public Health
Johns Hopkins University, Baltimore, MD (Feb-Mar)

1992: Directeur du Recherche, Centre National de la Recherche
Scientifique (CNRS) Paris, France (January to April)

1990-91: Senior Research Methodologist, Centers for Disease
Control Project, Social Networks in the Heterosexual
Transmission of HIV, El Pass County Public Health
Department Colorado Springs, Colorado (Eight months)

1989: Senior Research Methodologist, Centers for Disease
Control Project, Social Networks in the Heterosexual
Transmission of HIV, El Paso County Public Health
Department Colorado Springs, Colorado (One month)

1980: Visiting Scholar, School of Social Sciences, The
University of California, Irvine, Irvine, California
(Five months)

1976: Visiting Scholar, Commonwealth Studies Center, Duke
University, Durham, North Carolina (Six months)

1972-Present:

Lecturer, The Australian National University

1972: Ph.D., Sociology, The University of Michigan, Ann Arbor,
Michigan

1971: Teaching Fellowship, Department of Sociology, The
University of Michigan, Ann Arbor, Michigan

1970: US NDEA Research Fellowship, The University of Michigan,
Ann Arbor, Michigan

1969: MA, Sociology, The University of Michigan, Ann Arbor,
Michigan

1968-69:

US NDEA Research Fellowship, The University of Michigan,
Ann Arbor, Michigan

1967-68: US National Science Foundation Fellowship, The University of Michigan, Ann Arbor, Michigan
1966-67: US National Institutes of Mental Health Fellowship, The University of Michigan, Ann Arbor, Michigan
1965-66: Economist/Executive Trainee, US Department of Commerce, Washington, DC
1965: Bachelor of Arts (Economics), Honors (*cum laude*, Phi Beta Kappa), New York University, New York City.

PROFESSIONAL MEMBERSHIPS:

American Sociological Association, The Australian Sociological Association, International Network for Social Network Analysis (Charter Member), Society for Social Studies of Science.

RESEARCH INTERESTS:

Social networks; Theoretical and methodological integration of network analysis with infectious disease prevention and control; Application of network methods in epidemiology; Computer applications in the social sciences, epidemiology and public health; Research methodology; Interactive computer graphics; Environment and society, urban planning and energy conservation; Sociology of science.

PUBLICATIONS:

2005: Klovdahl AS. Social network research and human subjects protection: Towards more effective infectious disease control, *Social Networks*, 27: 119-137.
2005: Williams ML, Atkinson J, Klovdahl AS, Ross M W, and S Timpson, Spatial bridging in a network of drug-using male sex workers, *Journal of Urban Health*, 82: i35 - i42.
2004: Potterat JJ, Woodhouse DE, Muth SQ, Rothenberg RB, Darrow WW, Klovdahl AS and JB Muth. Network dynamism: history and lessons of the Colorado Springs study, Chapter 4 in M. Morris (Ed.) *Network Epidemiology - A Handbook for Survey Design and Data Collection*, Oxford University.
2003: Williams ML, Timpson S, Klovdahl A, Bowen AM, Ross MW and KB Keel. HIV risk among a sample of drug using male sex workers. *AIDS*. Jun 13;17(9):1402-4.
2003: Klovdahl AS. The Scientific-Technological Revolution of the Twentieth Century, in W. Outhwaite (Eds), *Blackwell Dictionary of Modern Social Thought*. Blackwells.
2002: Klovdahl AS, Graviss EA and JM Musser. Infectious Disease Control: Combining molecular biological and network methods, pp. 73-99 in J.A. Levy and B.A. Pescosolido (eds.)

- Social Networks and Health*, Advances in Medical Sociology, vol. 8, Elsevier.
- 2001: Klovdahl AS, Graviss EA, Yaganehdoost A, Ross MW, Wanger A, Adams G and JM Musser. Networks and Tuberculosis: An Undetected Community Outbreak Involving Public Places, *Social Science and Medicine*, Volume 52, no. 5, 681-694.
- 2001: Klovdahl AS. Networks and Pathogens (Editorial). *Sexually Transmitted Diseases*, vol. 28, No. 1, January, pp. 25-28.
- 1999: Darrow WW, Potterat JJ, Rothenberg RB, Woodhouse DE, Muth SQ and AS Klovdahl. (1999) Using Knowledge of Social Networks to Prevent Human Immunodeficiency Virus Infections: The Colorado Springs study. *Sociological Focus*, 32, 143-158.
- 1998: Rothenberg RB, Potterat J, Woodhouse D, Muth SQ, Darrow WW and AS Klovdahl. Social Network Dynamics and Human Immunodeficiency Virus Transmission. *AIDS*, 12, 1529-1536.
- 1998: Klovdahl AS. A Picture is Worth ... : Interacting visually with complex network data, *Computer Modeling of Dynamic Social Processes*, Edited by W.B.G. Liebrand, SAGE.
- 1997: Klovdahl AS Social Network Analysis, 684-690 in J.P. Keeves (Ed) *Educational Research Methodology and Measurement: An international handbook*, 2nd edition, Pergamon.
- 1995: Klovdahl AS. Levels of protection: Confidentiality in Network Research. *Bulletin De Methodologie Sociologique*, No. 48, September, pp 120-132, 1995.
- 1995: Woodhouse D, Potterat J, Rothenberg R, Darrow W, Klovdahl A and S Muth. Ethical and legal issues in social network research: The real and the ideal. Pp. 131-143 in R.H. Needle, S.L. Coyle, S.G. Genser and R.T. Trotter *Social Networks, Drug Abuse and HIV Transmission*, NIDA Monograph 151, U.S. Department of Health and Human Services.
- 1995: Rothenberg R, Woodhouse D, Potterat J, Muth S, Darrow W, and A Klovdahl. Social networks in disease transmission, pp. 3-19 in R.H. Needle, S.L. Coyle, S.G. Genser and R.T. Trotter *Social Networks, Drug Abuse and HIV Transmission*, NIDA Monograph 151, US Department of Health and Human Services.
- 1995: Rothenberg R, Potterat J, Woodhouse D, Darrow W, Muth S, and A Klovdahl. Choosing a centrality measure: Epidemiologic correlates in the Colorado Springs study of social networks. *Social Networks*, 17, 3-4, 273-297.
- 1995: Klovdahl AS. Social networks and infectious Disease: HIV/AIDS. Guest Editor, Introduction, Special Issue. *Social Networks*, 17, 3-4, 163-165.
- 1995: McGrady G, Marrow C, Myers G, Daniels M, Vera M, Mueller C, Liebow E, Klovdahl A and R Lovely. A note on implementation

of a random-walk design to study adolescent social networks. *Social Networks*, 17, 3-4, 251-255.

1995: Liebow E, McGrady G, Branch K, Vera M, Klovdahl A, Lovely R, Mueller C and E Mann. Eliciting social network data and ecological model-building: Focus on choice of name generators and administration of random-walk study procedures. *Social Networks*, 17, 3-4, 257-272.

1994: Woodhouse D, Rothenberg R, Potterat J, Darrow W, Muth S, Klovdahl AS, Zimmerman H, Rogers H, Muth J and J Reynolds. Mapping a social network of heterosexuals at high risk for HIV infection. *AIDS*, 8, 1331-1336.

1994: Klovdahl AS., Ferrand A and L Mounier. Une petite pre-enquete: The challenge of social network research in France. *Bulletin De Methodologie Sociologique* (Paris), No. 43, 74-90.

1994: Klovdahl AS. A picture is worth . . . : Interacting visually with complex network data. SSIT 94 Conference Proceedings, *Social Science and IT: Disparate or synergetic entities?*, iecProGAMMA, 40.

1994: Klovdahl AS. Les Grandes Reseaux: If your friends won't tell you who will? *Bulletin de Methodologie Sociologique* (Paris), 42, 44-48.

1994: Klovdahl AS, Potterat J, Woodhouse JD, Muth J, Muth S and W Darrow. Social networks and infectious diseases: The Colorado Springs study. *Social Science & Medicine*. 38, 79-88.

1994: Klovdahl AS. Social Network Analysis. Vol 9, pp. 5554-5560 in *The International Encyclopedia of Education*, edited by Professor T. Husen, Stockholm and Professor T.N. Postlewaite, Hamburg, Pergammon Press.

1992: Klovdahl AS. Energy and cities - Some challenges ahead. *Proc Australas Soc Hum Biol*, 5, 263-268.

1992: Klovdahl AS, Potterat J, Woodhouse D, Muth J, Muth S and W Darrow. HIV infection in an urban social network: A progress report. *Bulletin de Methodologie Sociologique* (Paris), No. 36, September, 24-33.

1992: Klovdahl AS. The Scientific-Technological Revolution of the Twentieth Century, in W. Outhwaite and T. Bottomore (Eds.), *A Dictionary of Twentieth Century Social Thought*, 569-571. Blackwells.

1989: Klovdahl AS. Urban social networks: Some methodological problems and possibilities. Chapter 10, pp. 176-210 in M. Kochen (ed.) *The Small World* (in honor of Stanley Milgram), Norwood, N.J.: ALEX.

1987: Klovdahl AS and J Brindle. TRANS_NET (A program for facilitating the creation of visual representations for network analysis). *Connections: Bulletin of the international network for network analysis*, 10, 2, Summer, 176.

- 1986: Klovdahl AS. VIEW_NET: A new tool for network analysis. *Social Networks*, 8, 4, 313-342.
- 1986: Klovdahl AS. Interactive Computer graphics and network analysis: VIEW_NET. *Connections: Bulletin of the international network for social network analysis*, 9, 1, Spring, 47-51.
- 1985: Klovdahl AS. VIEW_NET: Computer graphics and network analysis. Video. Instructional Resources Unit, The Australian National University, Canberra. (20 Minutes)
- 1985: Klovdahl AS and TD Ly. PROBNET: A program to calculate the probability of network connectedness. *Connections: Bulletin of the international network for social network analysis*, 8, 1, Spring, 70.
- 1985: Klovdahl AS. Social networks and the spread of infectious diseases: The AIDS example. *Social Science & Medicine*, 21, 11, 1203-1216.
- 1981: Klovdahl AS. A note on images of networks. *SOCIAL NETWORKS*, 3, 3, 197-214.
- 1980: Klovdahl AS. Large-Scale Social Networks: Theory, observation and inference. American Mathematical Society, *Abstracts*, 1, 5, August, 464-465.
- 1980: Klovdahl AS. Images of networks: New perspectives in the study of society. U.C.I.-U.C.S.B. Preprint Series in Social Network Analysis, No. 3, University of California, Irvine, CA (39 pp)
- 1979: Saha LJ and AS Klovdahl. Flows of academic talent to and from Australian Universities. *Higher Education* (Elsevier), 8, 2, February, 55-68.
- 1979: Klovdahl AS, Carrick DW and RA Omodei. ANU-MACRONET2: A program for computing symmetric adjacency, reachability, distance and point-centrality in large networks ($n \leq 3000$). *Connections: Bulletin of the international network for social network analysis*, 2, 2, Spring, 110.
- 1979: Klovdahl AS and LD Thong. ANU-MARKOV: An interactive program for using Markov statistics to analyze network data. *Connections: Bulletin of the international network for social network analysis*, 2, 2, Spring, 111.
- 1979: Klovdahl AS. ANU-RANDNET: A program for generating Monte Carlo samples of networks. *Connections: Bulletin of the international network for social network analysis*, 2, 2, Spring, 110.
- 1978: Klovdahl AS and RA Omodei. ANU-MICRONET: A set of programs for computing symmetric adjacency, reachability, symmetric reachability, and distance matrices for smaller networks ($n \leq 85$). *Connections: Bulletin of the international network for social network analysis*, 1, 2, Winter, 19.

1978: Klov Dahl AS and RA Omodei. ANU-MACRONET: A set of programs for computing symmetric adjacency, reachability and distance matrices for larger networks ($n \leq 600$). *Connections: Bulletin of the international network for social network analysis*, 1, 2, Winter, 19.

1978: Klov Dahl AS. SOCIAL NETWORKS: Selected references for course design and research planning. Vance Bibliographies, Monticello, Illinois. (74 pp.)

1977: Klov Dahl AS et al. Social networks in an urban area: Second Canberra study. *Australian and New Zealand Journal of Sociology*, 13, 2, June, 172-175.

1977: Klov Dahl AS et al. Social networks in urban areas: First Canberra study. *Australian and New Zealand Journal of Sociology*, 13, 2, June, 169-172.

1972: Klov Dahl AS. Service systems: Structure and performance. Ph.D. Thesis, The University of Michigan. University Microfilms, Ann Arbor, Michigan. (193 pp)

GOVERNMENT REPORTS/SUBMISSIONS:

1983: *Urban settlement patterns, support networks and energy conservation*. Department of National Development and Energy, Canberra. (46 pp)

1987: *The anatomy of a research project*. Department of Resources and Energy, Canberra. (156 pp + Appendices)

COMPUTER PROGRAMS:

1992: VIEW_NET II. A new scientific instrument for the visualization of complex network data. Silicon Graphics workstations. (with R Payne)

1986: TRANS_NET. (with J Brindle)

1985: VIEW_NET. (An interactive computer graphics package for network analysis.) (for workstations)

1981: NETVIEW. (A pilot program for 3-D network data manipulation)

1978: ANU-MACRONET2. (with DA Carrick and RA Omodei)

1978: PROBNET. (with TD Ly)

1977: ANU-MARKOV. (with LD Thong)

1975: ANU-MACRONET. (with RA Omodei)

1975: ANU-MICRONET. (with RA Omodei)

1974: ANU-RANDNET.

Note: A visual representation of large networks created with View_Net II has been used in a number of publications, including the *American Scientist*, vol. 88, no. 1, January-February, 2000, page 12, *Nature*, 20 November 2001, and Mark Buchanan's book *Nexus: Small worlds and the groundbreaking science of networks*, 2002, and elsewhere. [see coversheet above]

USER'S MANUAL:

1986: Klovdahl AS. *VIEW_NET: A guide for creating and manipulating visual representations of networks. VIEW_NET User's Manual.* Department of Sociology, The Faculties, The Australian National University, Canberra. (92 pp.)

CONFERENCE PAPERS:

2005: Klovdahl AS, Williams ML, Atkinson JS, and SC Timpson. Bridge populations and pathogen spread: Men who has sex with men and HIV spread. *International Social Network Conference*, Redondo Beach, CA, February 16-20.

2003: Klovdahl AS. Networks and Society. *International Social Network Conference*, February, Cancun, Mexico.

2000: Klovdahl AS. Networks and Infectious Disease: Breaking out of conceptual and methodological straightjackets. *International Social Network Conference*, April 13-16, Vancouver BC Canada.

2000: Klovdahl AS. Applications of social network analysis to infectious diseases: Theory and practice. *International Social Network Conference*, Invited Keynote Address, Infectious Diseases Section, April 13-16, Vancouver BC Canada.

2000: Klovdahl AS. Network snapshots created by epidemiologically-relevant interaction in infectious disease outbreaks: Quantifying the role of different actors in outbreak networks. *Second International Workshop on Network Sampling (IWNS)*, Maastricht, March 2-4.

2000: Klovdahl AS. Random walks through large social networks: What the real world actually looks like. *Second International Workshop on Network Sampling (IWNS)*, Maastricht, March 2-4.

1998: Klovdahl AS. A New Approach to Infectious Disease Control: Combining molecular biological and social network methods. *Fifth European International Social Network Conference*, Barcelona, Spain, May.

1997: Klovdahl AS. The Core Group Concept in Epidemiology and Public Health, *International Social Network Conference*, San Diego, California, February.

1997: Klovdahl AS. Tuberculosis Spread in Houston Texas: Combining social network methods and DNA fingerprinting,

International Social Network Conference, San Diego, California, February.

1996: Klovdahl AS. Epidemiology of Tuberculosis (TB) in Houston, *American Society for Microbiology*, September, New Orleans, Louisiana (E Graviss and J Musser).

1996: Klovdahl AS. Large Social Networks of Minority Adolescents: Random walks through populations in Atlanta and San Juan, *International Social Network Conference*, February, Charleston, South Carolina.

1995: Potterat J, Rothenberg R, Darrow W, Woodhouse D, Muth S and A Klovdahl. Using knowledge of social networks to prevent HIV. *Annual Meeting of the American Sociological Association*, August.

1995: Klovdahl AS. Social networks and Public Health: Some methodological issues. *Role of Families in Preventing and Adapting to HIV/AIDS* meeting, NIMH, Chantilly, VA, July.

1995: Klovdahl AS. Social network analysis: New concepts and methods. *Role of Families in Preventing and Adapting to HIV/AIDS* meeting, NIMH, Chantilly, VA, July.

1995: Klovdahl AS. Some statistical inferences about large social networks. *International Social Network Conference*, London, July.

1994: Klovdahl AS. A picture is worth ...?: Interacting visual with complex network data. *Second Social Science Information Technology Conference*, Amsterdam, December (Invited presentation.)

1994: Lovely R, Liebow E, Vera M, Mcgrady G, Mueller C, Mann E, and A Klovdahl. Ethnic youths social network structure can inform HIV prevention. *Tenth International Conference on AIDS*, Yokohama.

1994: Klovdahl AS. Observing social networks: Assessing effects of measurement error. *Thirteenth World Congress of Sociology*, Bielefeld Germany.

1994: Liebow E, Mcgrady G, Branch K, Vera M, Klovdahl A, Lovely R and C Mueller. Survey instrument development in eliciting social networks data and ecological model building. *Fourteenth International Sunbelt Social Network Conference*, New Orleans.

1994: Lovely R, Alegria M, Friedman S, Fortin A, Klovdahl A, Liebow E, McGrady G, Mann E, Mueller C and M Vera. Conceptualizing health promotion in ethnic youth: Focus on social ecology and network properties. *Fourteenth International Sunbelt Social Network Conference*, New Orleans.

1994: Rothenberg R, Potterat J, Woodhouse D, Muth S, Darrow W and A Klovdahl. Epidemiological correlates of measures of centrality in a social network. *Fourteenth International Sunbelt Social Network Conference*, New Orleans.

1992: Klovdahl AS. Sampling social networks: A simple approach to a difficult problem. *Workshop on Generalizability Questions for Snowball Sampling and Other Ascending Methodologies*, University of Groningen, Groningen, The Netherlands.

1992: Dance P and AS Klovdahl. Social networks of illicit drug users. *Third International Conference on the Reduction of Drug-Related Harm*, Melbourne.

1991: Klovdahl AS. Energy and cities: Some challenges ahead. Australasian Society for Human Biology/Anatomical Society of Australia and New Zealand: *Humans in Cities*. Canberra (13pp).

1991: Woodhouse D, Potterat J, Muth J, Muth S, Darrow W and AS Klovdahl. HIV infection with networks of prostitute women and intravenous drug users, *Seventh International Conference on AIDS*, Florence.) (presentation by Woodhouse).

1991: Klovdahl AS. Social networks and AIDS in drug abusers: A new paradigm. National Institute on Drug Abuse, Technical Review Meeting, *Critical Emerging Issues and Methodologies in Drug Abuse Aspects of AIDS*, Bethesda, Maryland. Invited presentation.

1991: Klovdahl AS, Potterat J, Woodhouse D, Muth J, Muth S, and W Darrow. HIV infection in an urban social network: A progress report, *Sunbelt Social Network Conference XI*, Tampa Florida.

1990: Klovdahl AS. Large urban social networks: A new method of observation, *Annual Meeting of the American Sociological Association*, Washington, D.C. (30 pp)

1990: Klovdahl AS. Social networks: Raw observations to research data, *World Congress of Sociology*, Madrid. (23 pp)

1990: Woodhouse D, Potterat J, Muth J, Muth S, Darrow W and AS Klovdahl. Social networks in the transmission of HIV infection, *Sixth International Conference on AIDS*, San Francisco, California.

1990: Klovdahl AS. Social networks and infectious diseases: The El Paso County (Colorado) Study, *Sunbelt Social Network Conference*, San Diego, California. (with J. Potterat, D. Woodhouse, J. Muth, S. Muth and W. Darrow). (33 pp)

1988: Klovdahl AS. Levels of Protection: Network research and confidentiality. Presented at the *Eighth Annual Sunbelt Conference*, San Diego, California. (13 pp)

1986: Klovdahl AS. Interactive computer graphics for network analysis: VIEW_NET. Presented at the *Sixth Annual Sunbelt Social Networks Conference*, Santa Barbara, California. (41 pp)

1984: Klovdahl AS. Visual representations, the structure of marital nets, and marital dissolution. Presented at the *Fourth Annual Sunbelt Social Networks Conference*, Phoenix, Arizona. (23 pp)

1983: Klovdahl AS. Urban planning, social networks, and energy conservation: Network analysis and the 'Energy Problem'. Presented at the *Third Annual Sunbelt Social Networks Conference*, San Diego, California. (9 pp)

1982: Klovdahl AS. Urban settlement patterns, support networks and energy conservation: A research project. Presented at *National Energy Research, Development and Demonstration Workshop*, Canberra. (6 pp)

1981: Klovdahl AS. Social Resources and Social Networks: The design of a research project. Invited paper, special conference session, *Network analysis After Twenty-Five Years*, held in Edinburgh, Scotland.

1980: Klovdahl AS. Large-scale social networks: Theory, observation and inference. Invited paper, *Summer Meetings of the American Mathematical Society*, Ann Arbor, Michigan.

1979: Klovdahl AS. Exploring large networks: An overview of the random walk strategy. Invited paper for the *Fifth Annual Communication Network Analysis Conference*, East-West Center, Honolulu, Hawaii.

1978: Klovdahl AS. Networks in society: The random walk strategy. Paper presented at the *First World Congress of Network Analysis* in conjunction with the *Ninth World Congress of Sociology*, Uppsala, Sweden.

1978: Klovdahl AS. Images of networks: A new window for observing society. Paper presented at the *Meetings of the Sociological Association of Australia and New Zealand*, University of Queensland, St Lucia.

1976: Klovdahl AS. Social networks and social class: Some preliminary results of two tests using a random walk strategy. Presented at the *Meetings of the Sociological Association of Australia and New Zealand*, held at LaTrobe University, Melbourne.

1975: Saha LJ and AS Klovdahl. Flows of academic talent to and from Australian Universities. Presented at the *Sixth Annual Conference of the Australian Association for Research in Education*, Adelaide.

1973: Klovdahl AS. Structure and performance of service systems: Some methodological problems and proposed solutions. Presented at the *Meetings of the Sociological Association of Australia and New Zealand*, Western Australian Institute of Technology, Perth.

1972: Klovdahl AS. Methodological aspects of studies of social networks. Presented at *Special Conference on Social Network Analysis*, LaTrobe University, Melbourne.

PRESENTATIONS/LECTURES/PUBLIC LECTURES:

- 2003: Social Networks in the Real World: Beyond six Degree fictions. Cambridge Colloquium on Complexity and Social Networks, John F. Kennedy School of Government, Harvard University, Boston, MA, May.
- 2003: Social Networks and Urban Society: Six Degree fictions; tuberculosis facts, Demography and Sociology Program, Institute of Advanced Studies, Australian National University, Canberra, Australia, April.
- 2003: Networks in Society, Symposium on Social Networks, Science and Society, American Association for the Advancement of Science (AAAS), Denver, CO, February.
- 2002: Large Social Networks in Contemporary Societies, Workshop on Dynamic Social Network Modeling and Analysis, National Academy of Sciences, Washington, D.C., November 7-9.
- 2002: The Importance of Social Networks: Part II, Epidemiological aspects, Karolinska Institute, Stockholm, Sweden, February.
- 2002: The Importance of Social Networks: Part I, Sociological aspects, University of Stockholm, Stockholm, Sweden, February.
- 2000: Developing Standardized Network Protocol for use in infectious disease control, Centers for Disease Control and Prevention, Atlanta, GA, June.
- 2000: Social Networks and Infectious Diseases, STDs and Tuberculosis, Centers for Disease Control and Prevention, Atlanta, GA, April.
- 2000: Social networks and infectious diseases: Theory and practice, Health Canada, Ottawa, April.
- 1996: Making inferences about structure in large social networks: A challenge beyond the reach of contemporary statistics?, Department of Statistics, University of Stockholm, Stockholm, Sweden, April.
- 1996: Social Networks: The new frontier in public health, School of Public Health and Tropical Medicine, Tulane University, New Orleans, Louisiana, March.
- 1996: Social network analysis and Public Health. School of Public Health, University of Texas, Houston, Texas, February.
- 1995: Social network analysis in epidemiology and Public Health. University of Texas School of Public Health, Houston, Texas, April.
- 1994: Studying large social networks in the real world. University of Cologne, Cologne Germany, December.
- 1994: The social network paradigm: Taking up the challenge. School of Communication, Johns Hopkins University, Baltimore, Maryland, September.

1994: The use of social network methodology in Public Health: The example of HIV transmission. School of Public Health, Johns Hopkins University, Baltimore, Maryland, June.

1994: Social networks and Public Health. School of Communication, Johns Hopkins University, Baltimore, Maryland, March.

1992: Research on sexual networks and HIV/STD transmission. St Mary's Hospital Medical School, Academic Departments of Genitourinary Medicine and Communicable Diseases and Academic Medicine, Imperial College, April. London. (Invited Public Lecture)

1992: Network data in epidemiological research: Theoretical issues and practical problems. St Mary's Hospital Medical School, Academic Department of Public Health, London, April.

1992: Social network analysis: Some challenges ahead. Laboratoire Analyses Secondaire et Methodes de Analyses Sociales, Centre National de la Recherche Scientifique, February. Paris.

1992: Social network analysis: An overview of an emerging area. I.E.P./C.I.D.S.P., Universit e du Grenoble, February. Grenoble, France.

1992: Social networks and epidemiology. Laboratoire Analyses Secondaire et Methodes de Analyses Sociales, Centre National de la Recherche Scientifique, January. Paris.

1991: Social networks in community research. AIDS community-based outreach/intervention meeting, National Institute on Drug Abuse, October. Bethesda, Maryland.

1991: Random walk designs: The Canberra Experience. Social networks of minority youth meeting, September. Battelle Research Institute, Seattle, Washington.

1991: Social Networks in urban research: A theoretical overview. Social networks of minority youth meeting, September. Battelle Research Institute, Seattle, Washington.

1991: Analyzing social network data: An introduction. Social networks of minority youth meeting, September. Battelle Research Institute, Seattle, Washington.

1988: A network approach to infectious diseases. Presented in the NH&MRC Special Unit on AIDS Epidemiology Seminar Program, Albion Street Centre, Sydney.

1988: Social networks and the spread of infectious diseases: Designing effective strategies to control AIDS. Presented at a conference sponsored by the U.S. Centers for Disease Control, held in Colorado Springs, Colorado.

1987: Strategies for preventing the spread of AIDS: A social network approach. Workshop sponsored by the U.S. Centers for Disease Control, held in Colorado Springs, Colorado.

1987: Some experiences in creating interactive graphics software. Workstation Seminar, Computer Services Centre, The Australian National University, Canberra.

1985: High performance interactive computer graphics. Australasian Computer Graphics Association, A.C.T. Division, Canberra.

1981: Computer graphics and network studies. Visiting speaker, Department of Sociology Seminar Series, University of California, Los Angeles (UCLA). Los Angeles, California.

1980: Models of the mind, network analysis, and computer graphics. Visiting speaker, School of Social Sciences Colloquia Series on Social Network Analysis, The University of California, Irvine. Irvine, California.

1976: Studying large networks in urban society. Visiting speaker, Department of Sociology, Duke University. Durham, North Carolina.

OTHER PROFESSIONAL WORK:

1981: Research in the Sociology (Arts) Department: 1970-1979 ("The Zubrzycki Years") Prepared for a University periodical review of Department. (14 pp)

1969: Symbolic organization: Interest identification, interest activation and interest articulation in a university community. M.A. Thesis, The University of Michigan, Ann Arbor, Michigan. (146 pp)

GRANTS:

2003- : Prevention of Sexually Transmitted Disease in an at-risk Population, U.S. National Institutes of Health, about \$600,000 over 4 years, with colleagues at the University of Texas School of Public Health, the Medical Center, Houston, Texas.

2002: U.S. National Academy of Sciences, to attend Workshop on Dynamic Social Network Modeling and Analysis, Washington, D.C., November 7-9, \$3105 (accommodation paid directly).

2002: Karolinska Institute/University of Stockholm, to deliver two lectures in Stockholm, \$2258 for relevant travel (accommodation paid directly).

2000: Commission Europeenne, Wellcome Trust & Centers for Disease Control and Prevention, via Organizing Committee for Phase Specific Strategies for STD control, \$6,250.

2000: Research Infrastructure Block Grant, ANU, \$30,000.

2000: Workshop on Developing Standardized Network Protocol for use in infectious disease control, Centers for Disease Control and Prevention, Atlanta Georgia, \$4,895.

2000: Houston Tuberculosis Initiative, \$12,500.

2000: U.S. National Institutes of Health, Sexually Transmitted Diseases, with Johns Hopkins University, \$7,775.

2000: Social Networks and Infectious Diseases, STDs and Tuberculosis, Centers for Disease Control and Prevention, Atlanta Georgia, \$1,705.

2000: Social Networks and Infectious Diseases, Health Canada, Ottawa, \$2,860.

2000: Networks and Disease, British Columbia Centres for Disease Control & the HIV Centre for Excellence in British Columbia, Vancouver, BC, \$1,750.

1999: HIV Prevention: Network Intervention with STD Patients, U.S. National Institutes of Health, \$28,000. With Johns Hopkins University School of Public Health and Hygiene, and the Johns Hopkins University Medical School.

1999: Tuberculosis spread in drug users. U.S. National Institutes of Health, \$57,225. With Colleagues at the Baylor College of Medicine and the University of Texas School of Public Health, Houston, Texas.

1998: U.S. National Institutes of Health, NIDA, Social Network Methods for Controlling Multidrug-Resistant Tuberculosis, with The Baylor College of Medicine, and the School of Public Health, University of Texas, Houston, TX, \$59,435.

1998: HIV Prevention: Network intervention with STD patients, U.S. National Institutes of Health. With Johns Hopkins University School of Public Health and Hygiene, and the Johns Hopkins University Medical School, \$30,000.

1997: U.S. National Institutes of Health, NIDA, Social Network Methods for Controlling Multidrug-Resistant Tuberculosis, with The Baylor College of Medicine, and the School of Public Health, University of Texas, Houston, TX, \$70,910.

1997: HIV Prevention: Network intervention with STD patients, U.S. National Institutes of Health. With Johns Hopkins University School of Public Health and Hygiene, and the Johns Hopkins University Medical School, \$25,500.

1996: U.S. National Institutes of Health, NIDA, Social Network Methods for Controlling Multidrug-Resistant Tuberculosis, with The Baylor College of Medicine, and the School of Public Health, University of Texas, Houston, TX, \$48,500.

1995: U.S. National Institutes of Health, NIDA, Social Network Methods for Controlling Multidrug-Resistant Tuberculosis, with The Baylor College of Medicine, and the School of Public Health, University of Texas, Houston, TX, \$42,500.

1995: Applying New Technologies to Teaching and Research Scheme, Information Technology in Introductory Sociology, \$1968.

1995: ANU Major Equipment Committee. Unix Graphics Workstation, \$50,000.

1994: U.S. National Institutes of Health, NIMH, HIV/AIDS Risk-Reduction in Minority Group Adolescents, with Battelle Research Institute, Seattle, WA \$30,000.

1994: U.S. National Institutes of Health, through Oregon Research Institute, Eugene, OR, (Round trip travel Canberra, Australia-Eugene, plus expenses for one week trip, October.)

1993: Australian Research Council, VIEW_NET II: A new scientific instrument for the visualisation of complex network data. \$12,500.

1993: U.S. National Institutes Of Health, National Institute on Drug Abuse, Rockville, Maryland (Round trip travel Australia - Washington, D.C.-, plus expenses for 10 day visit, September.)

1992: Australian Research Council, VIEW_NET II: A new scientific instrument for the visualisation of complex network data. \$12,500.

1992: Department of Employment, Education and Training, Individual Initiatives Schemes, through the Australian National University, Costs of one-year French language course at the Alliance Francais of Canberra.

1992: St Mary's Hospital Medical School/Imperial College, London. (Round trip travel and expenses, Paris-London, to present a seminar and public lecture).

1992 Centre National de la Recherche Scientifique, Paris. (Round trip travel and expenses to engage in research at Montpellier, France).

1992 Centre National de la Recherche Scientifique, Paris. (Round trip travel and expenses to deliver a lecture at University of Grenoble, Grenoble, France).

1992 Centre National de la Recherche Scientifique, Paris. (Round trip travel and expenses, Paris-Groningen (The Netherlands, to present paper at conference while holding visiting appointment in Paris).

1992: French National SIDA/AIDS Institute (Approximate translation), Paris. (Round trip travel Australia-France, plus expenses).

1991: Australian Research Council, VIEW_NET II: A new scientific instrument for the visualisation of complex network data. \$12,000.

1991: U.S. National Institute on Drug Abuse, Rockville, Maryland (Round trip travel Washington, D.C.-Australia, plus expenses for two week visit.)

1991: Department of Employment, Education and Training, Individual Initiatives Schemes, through the Australian National

University, Costs of one-year French language course at the Alliance Francais of Canberra.

1991: U.S. National Institute of Mental Health, Washington, D.C., through Battelle Research Laboratories, Seattle, Washington. (Round trip travel Seattle-Australia, plus expenses for two week visit.)

1990: U.S. Centers for Disease Control, through El Paso County Colorado Public Health Department, Colorado Springs, Colorado. (Round trip travel Colorado-Australia, plus expenses for eight month visit.)

1989: U.S. Centers for Disease Control, through El Paso County Colorado Public Health Department, Colorado Springs, Colorado. (Round trip travel Colorado-Australia, plus expenses for one month visit.)

1987: U.S. Centers for Disease Control, through El Paso County Colorado Public Health Department, Colorado Springs, Colorado. (Round trip travel Colorado-Australia, plus expenses for one month visit.)

1981: Urban settlement patterns, social networks, and energy conservation. Awarded \$50,000 by the National Energy Research Design and Development Council.

1979: East-West Center, University of Hawaii, Honolulu, Fifth Annual Communication Network Analysis Conference, (Round trip travel Honolulu-Australia, plus expenses for one week visit.)

WORKING PAPERS:

International differences in rates of scientific innovation: A proposed research project. (28 pp)

Urban social networks: Two tests of a random walk research design. (65 pp)

The structure of marital nets: Visual representation, network analysis and broken (marital) bonds. (25 pp)

Social network structure and HIV spread in a group of marginal men who have sex with other men and women.

Courses Taught:

Research Methods	Development & Change of Urban Society
Urban Sociology/Community & Urban Life	Class & Stratification
Comparative Sociology	Social Networks
Social Change & Development	Energy & Society/Environment & Society
The Rise of Modern Cities	
Introduction to Sociology	Contemporary Society

Administration and Committee Memberships, Departmental, Faculty and University: [stuff deleted]

Other Professional Activities:

Member, Department Ethics Committee, Australian Department of Health, Canberra, Australia, 2004 - . [IRB for all Health Department funded research projects in Australia.]

Advisor, graduate students and colleagues from other departments within University, from other Australian universities and from North American universities on the use of network analysis for research.

Reviewer, numerous articles submitted for publication to various professional journals, including *Addiction*, *AIDS and Behavior*, *AIDS CARE*, *American Journal of Epidemiology*, *American Journal of Human Biology*, *American Journal of Public Health*, *American Journal of Sociology*, *Australian Journal of Social Issues*, *Field Methods*, *Health Care Management Science*, *Journal of Mathematical Sociology*, [Australian] *Journal of Sociology*, *the Journal of Social Structure*, *Sexually Transmitted Diseases*, *Social Networks*, *Social Science & Medicine*, *Sociological Methods and Research*.

Reviewer/assessor, research grant applications, including for the Australian Research Grants Scheme and the U.S. National Science Foundation and the Manitoba Health Research Council in Canada.

Examiner Ph.D. theses for other Australian Universities and for the Council on Overseas Professional Qualifications.

External Assessor, for Promotion application for highest-level Professorial Position in the University of California system.

External Assessor, for tenure, Professorial promotions and promotions to Full Professor at Johns Hopkins University, School of Public Health and the University of California system.

External Assessor, for application for tenure and promotion, University of Hawaii, Manoa.

External Assessor, promotion to Full Professor at Simon Fraser University, School of Communication, Burnaby, British Columbia, Canada.

External Assessor, for Professorial promotion at the Baylor College of Medicine, the Medical Center, Houston, TX.

External Assessor, for Royal Academy Fellowship, Royal Academy of Science, the Netherlands.

External Assessor, for tenure and promotion, School of Medicine, University of Southern California, Alhambra, CA.

University representative, A.C.T. Schools Authority, Accreditation Panel for Behavioural Sciences (1986-1990).

Member, Editorial Board: *AIDS: An International Journal* (1987-1989).

Organizer/chair, three sessions on social networks and infectious diseases at the *International Sunbelt Social Network Conference* in New Orleans, February, 1994.

Chair, two sessions on HIV/AIDS and social networks at the *International Social Network Conference*, London, July, 1995.

Organizer/chair, session on infectious diseases and social networks at the *International Sunbelt Social Network Conference* in Charleston, South Carolina, February, 1996.

Organizer/chair, three sessions on social networks and infectious diseases at the *International Sunbelt Social Network Conference* in San Diego, California, February, 1997.

Organizer/chair, three sessions on networks and infectious diseases at the *Fifth European International Social Network Conference* in Barcelona, Spain, May, 1998.

Editorial Board of *Journal of Social Structure* (Carnegie-Mellon University).

Organizer/chair, Roundtable on IRB refusals to allow network research, at the *International Sunbelt Social Network Conference* in New Orleans, LA, February, 2002.

Chair, *Drugs and the Spread of Disease*, International Social Network Conference, February, Cancun, Mexico, 2003.

Pro Bono Publico:

1997: *Re-Thinking the Australian university system: Towards international competitiveness in the twenty-first century* (48pp.) Review of Higher Education Funding and Policy (West Committee), Department of Employment, Education, Training and Youth Affairs, April. (at www.dest.gov.au/archive/highered/hereview/submissions/submissions/K/AldenKlovdahl1.html)

1995: *Reforming the Australian university system: Some reflections on efficiency and effectiveness*. Australian Government Review of Management of Higher Education (Hoare Committee). (29pp.)

1989: *Reforming the Australian university system: Where next?* Department of Employment, Education and Training, Canberra. (45pp.)

1987: *The Australian university system: Some proposals for reform*. Department of Employment, Education and Training, Canberra. (44pp.)

Other Projects:

A preliminary proposal for a business partnership to develop a health/medical computer software package, 'P'. ANUTECH (the University's commercial development company), March, 13pp. (Estimated first version, first three years sales, \$US 30m⁺).