

Date: March 22, 2012

Sociology 527
Spring, 2012
Social Science 415
Wednesday, 3:30-6:00 PM

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SOCIAL NETWORK ANALYSIS

Introduction:

The purpose of this course is to give graduate students in the social and behavioral sciences a better understanding of how social network analysis has been used to study a variety of social processes. More specifically, we want to identify the key network concepts that have been used by social and behavioral scientists, describe the ways in which they've been operationalized in empirical research, evaluate their contribution to the understanding of substantive problems in sociology and administrative science in particular, and critique their use. This course cannot cover all the work that has been done in the social and behavioral sciences in the network tradition. The literature is too massive. Nonetheless, the course will be useful for those who wish to learn more about social network analysis and some of its applications.

Soc 527 (this course) and Soc 526 (*Research Methods in Social Network Analysis*) are often offered in alternate years. Students may, if they want, take both courses for credit, in either order. Soc 526 concerns qualitative and quantitative methods for researching social networks. Soc 527 touches upon methods but focuses more on substantive problems in the social and behavioral sciences where networks analysis has made some contribution.

Format:

For the first **twelve** weeks the format for the seminar is straightforward. Students are expected to do all the readings beforehand. The instructor will give some background on the topics and some of his own opinions on the readings. Students will be assigned who will prepare one page summaries of the readings and lead the discussion on that reading for the class. Each student will present two readings during the semester. The first 90 minutes will be spent discussing substantive work; the last 60 minutes will be devoted to methodological issues. I will give you exercises but they will not be graded.

Students who have not taken Soc 526 have the option of either taking a take-home final exam *or* writing a research paper. It makes no difference to me. Students who have taken Soc 526 can only write a research paper to get course credit. There are about 20 students enrolled, so I expect that about half will select each option.

We will discuss the take-home exam and its format in class. It turns out to be the equivalent of a

10 to 15 page paper when all the charts, graphs, and references are included. Students will be given the exam on April 4th and will have a month to complete the assignment. That is, the due date is May 2nd, the last day of class. Of course, students must do the assignment on their own.

The last four weeks of the seminar will be run like a workshop and will focus on students' paper projects. This will commence **April 11th**. Students who select the paper option will be responsible for turning in an abstract, selecting two readings on their topic for the class (of course, different from what we covered already), presenting empirical work (even if the paper is a proposal), covering 45 minutes of class time with a presentation and discussion, and turning in a final paper. The abstract should be 250 words in length (no more than one page double spaced) and is due February 22nd. It is likely that I will reject the first draft of the abstract, so be ready to revise quickly so your paper topic can be approved before spring break. The minimum length of the paper is 15 pages; the maximum is 25 including everything (similar to a Social Forces article). The paper is due May 2nd (except for those who are presenting that day who can turn in their papers on May 9th).

February 1st, 8th, and 15th you will be expected to present orally an outline of what you want to accomplish this semester with your paper project. This presentation will be only 5 minutes long and there should be a one-page handout for the other students and me. It will not be graded. Time flies by quickly, and there is nothing like getting an early start.

This means that your projects are really the subject matter for the last one third of the class. My goal is that students are able to use the seminar to write a master's paper, a Ph.D. proposal, a publishable article, or even a dissertation (albeit a short one)! The advantage of taking this class is that other students and I will be available to provide feedback and suggestions. Hopefully, that will result in a much higher quality product.

For those choosing the exam option your grade will be based on 1) your summaries of two readings (20% each), and 2) the final (60%). For those choosing the paper option your grade will be based on 1) your summaries of two readings (20% each), 2) your oral presentation (10%), and 3) your final paper (50%). I will give incompletes, but the papers will not be graded until August, 2012, the start of the fall semester.

Finally, there is the sticky issue of participation. Are you expected to attend every class? Are you expected to do the readings even though you won't be tested on them? Yes! I have no way of enforcing this, but that's the expectation.

Readings:

The following books are at the bookstore. There are a limited number of copies, because I suspect many of you will buy them online.

David Knoke and Song Yang. 2008. Network Analysis, 2nd ed. Los Angeles: Sage Publications (978-1-4129-2749-9, paperback)

Peter J. Carrington, John Scott, and Stanley Wasserman. 2005. Models and Methods in Social Network Analysis. New York: Cambridge University Press (0-521-60097-9, paperback)

Stanley Wasserman and Katherine Faust. 1994. Social Network Analysis: Methods and Applications. New York: Cambridge University Press (0-521-38707-8, paperback)

The required articles are (or will be) on D2L. You are to put the readings you require for your class on D2L as well.

Software:

The computer software, *UCINET VI* for Windows (Version 6.365) will be on machines in DASL (Social Science 155). Students who wish to purchase the software can do so through the website, <http://www.analytictech.com/ucinet/>. You can download the latest version for free for 60 days. This is a good idea. Students can purchase the software for only \$40.00

Copyrighted Material

All matter which is covered in the lectures and course materials is copyrighted and the copyright is held by the instructor. This includes hand-outs in class, lectures placed on D2L, and all other materials prepared by the instructor placed on D2L. According to the University's attorneys, the instructor's copyright includes student notes or summaries that substantially reflect the lectures or materials covered in class. These copyrighted materials are made available only for the personal use of the students, and students may not distribute or reproduce the materials for commercial purposes without the instructor's express written consent. If students wish to share their notes on an individual basis they may do so, as long as they do not sell their notes for a profit. Violation of the instructor's copyright may result in course sanctions and may violate the Code of Academic Integrity.

Academic Honesty

Although I encourage you to get together to talk about the readings and ideas brought up in class, for all individual assignments you are expected to do your own written work in order to receive credit. Words or ideas that come from someone else must be cited: "A good rule of thumb is this: Whenever you consciously borrow any important element from someone else--any sentence, any colorful phrase or original term, any plan or idea--say so, either in a footnote, bibliography, or parenthesis" (from "Academic Honesty in the Writing of Essays and Other Papers", Carleton College, 1990). See the University of Arizona Code of Academic Integrity for specific information regarding University of Arizona policy (<http://deanofstudents.arizona.edu/codeofacademicintegrity>). The UA library has a guide to help recognize plagiarism (<http://www.library.arizona.edu/help/tutorials/plagiarism/index.html>).

Violations of the Code of Academic Integrity may result in your failing to receive credit for this class and/or additional penalties as stated in the Code of Academic Integrity.

There is a short video “Academic Integrity Video” (under *Media and Social Networking* at <http://deanofstudents.arizona.edu/>). You are required to watch this video before the class time.

Accommodations

Students with disabilities who may require academic adjustments and/or reasonable accommodations in order to fulfill course requirements must register with the Disability Resource Center (DRC) and request the DRC send the instructor official notification of your accommodation needs as soon as possible. You must also come in and speak with Dr. Galaskiewicz about your requirements. The DRC web page is <http://drc.arizona.edu/>

Classroom behavior

You are expected to follow the student code of conduct (<http://deanofstudents.arizona.edu/studentcodeofconduct>); disruptive and/or threatening behavior will not be tolerated. The use of cell phones, mp3 players, etc. is not allowed during class and there is no text messaging. In addition, using laptops for purposes other than taking notes (e.g. email, web surfing) is disruptive to students around you and is prohibited. You may be asked to leave the class if you are judged to be a disruption to either the instructors or your fellow students. In the case that you miss a quiz or an exam as a result, you will not be able to make it up.

SCHEDULE OF CLASSES

January 11th Introduction to Network Analysis

Linton C. Freeman. 2004. The Development of Social Network Analysis: A Study in the Sociology of Science. Vancouver, BC: Empirical Press. Chapters 3-4.

Joseph Galaskiewicz. 2007. "Editorial: Has a Network Theory of Organizational Behavior Lived Up to its Promises?" Management and Organization Review, 3:1-18.

Stanley Wasserman and Katie Faust. 1994. "Introduction." Social Network Analysis: Methods and Applications. New York: Cambridge University Press. Chapters 1.

David Knoke and Song Yang. 2008. "Introduction to Social Network Analysis" and "Network Fundamentals." Social Network Analysis, 2nd Edition. Los Angeles: Sage. Chapters 1-2.

Part I Micro-Analysis

January 18th Social Capital

Nan Lin. 1982. "Social Resources and Instrumental Action." Pp. 131-45 in Social Structure and Network Analysis edited by Peter V. Marsden and Nan Lin. Beverly Hills, CA: Sage. (K. Gunby)

Pierre Bourdieu. 1985. "The Forms of Capital." Pp. 241-58 in Handbook of Theory and Research for the Sociology of Education edited by John G. Richardson. New York: Greenwood Press. (M. Mai)

James S. Coleman. 1988. "Social Capital in the Creation of Human Capital." American Journal of Sociology, 94 (Supplement):95-120. (M. Moreno)

Robert Putnam. 1993. Making Democracy Work: Civic Traditions in Modern Italy. Princeton, NJ: Princeton University Press. Chapter 6. (C. Sciabarra)

Alejandro Portes. 1998. "Social Capital: Its Origins and Applications in Modern Sociology." Pp. 1-24 in Annual Review of Sociology edited by John Hagan and Karen S. Cook. Palo Alto, CA: Annual Reviews Inc. (M. Ring)

Social Network Data

Stanley Wasserman and Katie Faust. 1994. "Social Network Data." Social Network Analysis: Methods and Applications. New York: Cambridge University Press. Chapter 2.

David Knoke and Song Yang. 2008. "Data Collection." Social Network Analysis, 2nd Edition. Los Angeles: Sage. Chapter 3.

Peter V. Marsden. 2005. "Recent Developments in Network Measurement." Pp. 8-30 in Models and Methods in Social Network Analysis edited by Peter J. Carrington, John Scott, and Stanley Wasserman. New York: Cambridge University Press.

January 25th Friendships

Barry Wellman. 1979. "The Community Question." American Journal of Sociology, 84: 1201-1231. (R. Ampipparampil)

Robert Putnam. 1995. "Bowling Alone: America's Declining Social Capital." Journal of Democracy (January), 6:65-78. (J. Pfaffendorf)

Miller McPherson, Lynn Smith-Lovin, James M. Cook. 2001. "Birds of a Feather: Homophily in Social Networks." Annual Review of Sociology, 27:414-444. (D. Leischow)

Miller McPherson, Lynn Smith-Lovin, Matthew Brashears. 2006. "Social Isolation in America: Change in Core Discussion Networks Over Two Decades." American Sociological Review, 71:353-375. (S. Rambotti)

Notation, Graphs, Matrices

Stanley Wasserman and Katie Faust. 1994. "Notation for Social Network Data" and "Graphs and Matrices." Social Network Analysis: Methods and Applications. New York: Cambridge University Press. Chapter 3, 4.

David Knoke and Song Yang. 2008. "Basic Methods for Analyzing Networks." Social Network Analysis, 2nd Edition. Los Angeles: Sage. Chapter 4.1-4.3.

February 1st Economic Embeddedness

Stewart Macaulay. 1963. "Non-Contractual Relations in Business: A Preliminary Study." American Sociological Review, 28: 55-69. (K. Gunby)

Mark Granovetter. 1985. "Economic Action and Social Structure: The Problem of Embeddedness." American Journal of Sociology, 91:481-510. (B. Conway)

Brian Uzzi. 1997. "Social Structure and Competition in Interfirm Networks: The Paradox of Embeddedness." Administrative Science Quarterly, 42:35-67. (M. Ring)

Paul DiMaggio and Hugh Louch. 1998. "Socially Embedded Consumer Transactions: For What Kinds of Purchases do People Most Often Use Networks?" American Sociological Review, 63:619-637. (T. Stovall)

Centrality

Stanley Wasserman and Katie Faust. 1994. "Centrality and Prestige." Social Network Analysis: Methods and Applications. New York: Cambridge University Press. Chapter 5.

David Knoke and Song Yang. 2008. "Basic Methods for Analyzing Networks." Social Network Analysis, 2nd Edition. Los Angeles: Sage. Chapter 4.4.

February 8th Strength of Weak/Strong Ties

Mini presentations: Cramer, Joosse, Puetz

Mark Granovetter. 1974. "The Strength of Weak Ties." American Journal of Sociology, 78: 1360-80. (L. Borck)

Mark Granovetter. 1995. Getting a Job: A Study of Contacts and Careers, 2nd Edition. Chicago: University of Chicago Press. Afterword. (Thompson-Dyck)

Yanjie Bian. 1997. "Bringing Strong Ties Back In: Indirect Connection, Bridges, and Job Search in China." American Sociological Review, 62:266-85. (C. Ore)

Cliques and Cohesive Subgroups

*Stanley Wasserman and Katie Faust. 1994. "Cohesive Subgroups." Social Network Analysis: Methods and Applications. New York: Cambridge University Press. Chapter 7.

David Knoke and Song Yang. 2008. "Basic Methods for Analyzing Networks." Social Network Analysis, 2nd Edition. Los Angeles: Sage. Chapter 4.5.

February 15th Structural Holes

Mini presentations: Ore, Feyereisen, Gunby

Ronald S. Burt. 1992. Structural Holes: The Social Structure of Competition. Cambridge, MA: Harvard University Press. Chapter 1. (M. Mai)

Ronald S. Burt. 1997. "The Contingent Value of Social Capital." Administrative Science Quarterly, 42:339-365. (N. Thorne)

Ronald S. Burt. 2004. "Structural Holes and Good Ideas." American Journal of Sociology, 110: 349-99. (Thompson-Dyck)

Zhixing Xiao and Anne S. Tsui. 2007. "When Brokers May Not Work: The Cultural

Contingency of Social Capital in Chinese High-tech Firms.” Administrative Science Quarterly, 52:1-31. (J. Pfaffendorf)

Affiliation Matrices, Lattices, & Correspondence Analysis

Ronald S. Breiger. 1974. “The Duality of Persons and Groups.” Social Forces, 53:181-90.

Stanley Wasserman and Katie Faust. 1994. “Affiliations and Overlapping Subgroups.” Social Network Analysis: Methods and Applications. New York: Cambridge University Press. Chapter 8.

David Knoke and Song Yang. 2008. “Advanced Methods for Analyzing Networks.” Social Network Analysis, 2nd Edition. Los Angeles: Sage. Chapter 5.3-5.4.

Part II Macro-Analysis

February 22nd Niches

J. Miller McPherson. 1983. "An Ecology of Affiliation." American Sociological Review, 48:519-532. (A. Joosse)

Pamela A. Popielarz and J. Miller McPherson. 1995. "On the Edge or In Between: Niche Position, Niche Overlap, and the Duration of Voluntary Association Memberships." American Journal of Sociology, 101:698-720. (S. Chambers)

Ronald S. Burt. 1993. “Market Niche.” Social Networks, 15:133-49. (N. Thorne)

Pamela A. Popielarz and Zachary P. Neal. 2007. “The Niche as a Theoretical Tool.” Annual Review of Sociology, 33: 65-84. (R. Ampipparampil)

Structural Equivalence

Stanley Wasserman and Katie Faust. 1994. “Structural Equivalence” and “Network Positions and Roles.” Social Network Analysis: Methods and Applications. New York: Cambridge University Press. Chapter 9

David Knoke and Song Yang. 2008. “Basic Methods for Analyzing Networks.” Social Network Analysis, 2nd Edition. Los Angeles: Sage. Chapter 4.6-4.7.

February 29th Structural Position and Identity

Harrison C. White, Scott A. Boorman, and Ronald L. Breiger. 1976. “Social Structure from Multiple Networks. I. Blockmodels of Roles and Positions.” American Journal of Sociology, 81:

730-780. (K. Puetz)

John F. Padgett and Christopher K. Ansell. 1993. "Robust Action and the Rise of the Medici, 1400-1434." American Journal of Sociology, 98:1259-1319. (K. Puetz)

Harrison White. 2008. Identity and Control: How Social Formations Emerge (2nd Edition). Princeton, NJ: Princeton University Press. Chapters 1-2.

Block modeling

Stanley Wasserman and Katie Faust. 1994. "Blockmodels." Social Network Analysis: Methods and Applications. New York: Cambridge University Press. Chapter 10.

David Knoke and Song Yang. 2008. "Advanced Methods for Analyzing Networks." Social Network Analysis, 2nd Edition. Los Angeles: Sage. Chapter 4-8.

Part III Miscellaneous Topics

March 7th Diffusion and Social Influence

Ronald S. Burt. 1987. "Social Contagion and Innovation: Cohesion vs. Structural Equivalence." American Journal of Sociology, 92:1287-1335. (S. Feyereisen)

Edward O. Laumann, John Gagnon, Robert Michael, Stuart Michaels. 1994. "Sexual Networks." Pp. 225-268 in The Social Organization of Sexuality: Sexual Practices in the United States. Chicago: University of Chicago Press. Chapter 6. (T. Stovall)

Beth A. Simmons and Zachary Elkins. 2004. "The Globalization of Liberalization: Policy Diffusion in the International Political Economy." American Political Science Review, 98: 171-631. (J. Cramer)

Valente, Thomas W. 2005. "Network Models and Methods for Studying the Diffusion of Innovations." Pp. 98-116 in Models and Methods in Social Network Analysis edited by Peter J. Carrington, John Scott and Stanley Wasserman. New York: Cambridge University Press. (B. Conway)

Dyadic Analysis – Part 1

Peter V. Marsden and Noah E. Friedkin. 1994. "Network Studies of Social Influence." Pp. 3-25 in Advances in Social Network Analysis: Research in the Social and Behavioral Sciences edited by Stanley Wasserman and Joseph Galaskiewicz. Thousand Oaks, CA: Sage. (L. Borck)

Frank Baker and Lawrence Hubert. 1981. "The Analysis of Social Interaction Data." Sociological Methods and Research, 9(3):339-61.

March 21st Interorganizational Networks

Walter W. Powell. 1990. "Neither Market nor Hierarchy: Network Forms of Organization." Research in Organizational Behavior, 12:295-336. (M. Moreno Anguas)

Daniel J. Brass, Joseph Galaskiewicz, Henrich R. Greve, and Wenpin Tsai. 2004. "Taking Stock of Networks and Organizations: A Multilevel Perspective." Academy Management Journal, 47:795-817. (C. Sciabbarra)

Walter W. Powell, Douglas R. White, Kenneth W. Koput and Jason Owen-Smith. 2005 "Network Dynamics and Field Evolution: The Growth of Interorganizational Collaboration in the Life Sciences." American Journal of Sociology 110(4):1132-1205. (C. Ore)

Dyadic Analysis – Part II

Stanley Wasserman and Katie Faust. 1994. "Dyads." Social Network Analysis: Methods and Applications. New York: Cambridge University Press. Chapter 13, 15.

March 28th Policy Networks

Edward O. Laumann, David Knoke, and Young-Hak Kim. 1985. "An Organizational Approach to State Policy Formation: A Comparative Study of Energy and Health Domains." American Sociological Review, 50:1-19. (J. Cramer)

Keith G. Provan and H. Brinton Milward. 1995. "A Preliminary Theory of Interorganizational Network Effectiveness: A Comparative Study of Four Community Mental Health Systems." Administrative Science Quarterly, 40:1-33. (S. Feyereisen)

Keith Provan and Patrick Kenis. 2008. "Modes of Network Governance: Structure, Management, and Effectiveness." Journal of Public Administration Research and Theory, 18(2):229-52. (A. Joosse)

Exponential Random Graph (p*) Models (David Melamed)

Robins, Garry, Pip Pattison, Yuval Kalish, and Dean Lusher. 2007. "An Introduction to Exponential Random Graph (p*) Models for Social Networks." Social Networks 29:173-191.

Snijders, Tom A.B. 2011. "Statistical Models for Social Networks." Annual Review of Sociology 37: 131-153 (pp. 140-144).

April 4th Small Worlds

Stanley Milgram. 1967. "The Small-World Problem." Psychology Today, 1:62-67. (P. Murray)

J. Travers and Stanley Milgram. 1969. "An Experimental Study of the Small World Problem." Sociometry, 32:425-443. (P. Murray)

Watts, Duncan J. 1999. "Networks, Dynamics, and the Small-World Phenomenon." American Journal of Sociology, 105:493-528.

Uzzi, Brian and Jarrett Spiro. 2005. "Collaboration and Creativity: Big Differences from Small World Networks." American Journal of Sociology, 111:447-504. (D. Leischow)

Network Visualization

Linton C. Freeman. 1994. "Graphic Techniques for Exploring Social Network Data." Pp. 248-269 in Models and Methods in Social Network Analysis edited by Peter J. Carrington, John Scott, and Stanley Wasserman. New York: Cambridge University Press.

James Moody, Daniel McFarland and Skye Bender-deMoll. 2005. "Dynamic Network Visualization." American Journal of Sociology, 110: 1206-41.

April 11th Student Presentations

Kate Gunby. "Organization Dominance and Competition, Viewed Through TV News Media Coverage of Global Justice Movement Protests."

Bohman, Love. 2012. "Bringing the owners back in: An analysis of a 3-mode interlock network." Social Networks doi:10.1016/j.socnet.2012.01.005.

Boykoff, Jules. 2006. "Framing Dissent: Mass Media Coverage of the Global Justice Movement" New Political Science (2): 201-228.

Lewis Borck. "The Structural Setting of Migration: Network Organization and the Late 13th Century Depopulation of the Kayenta Area of Northern Arizona."

Mills, Barbara J., John M. Roberts Jr., Jeffery J. Clark, William R. Haas Jr., Deborah Huntley, Matthew A. Peeples, Lewis Borck, Susan C. Ryan, Meaghan Trowbridge, and Ronald L. Breiger. In press. "The Dynamics of Social Networks in the Late Prehistoric U.S. Southwest." In Network Analysis in Archaeology. Edited by Carl Knappett. Oxford University Press, Oxford.

Krackhardt, David and Robert N. Stern. 1988. "Informal Networks and Organizational Crises: An Experimental Simulation." Social Psychology Quarterly, 51(2):123-140.

April 18th Student Presentations

Alex Joosse. "Role Differentiation in Shared Governance Networks: A Case Study of the Wikipedian Bureaucrats"

Wasko, Molly, Teigland, Robin and Faraj, Samer. 2009. "The Provision of Online Public Goods: Examining Social Structure in an Electronic Network of Practice." Decision Support Systems 47(3): 254-265.

Kramer, Roderick. 2009. "Trust and Distrust in Organizations: Emerging Perspectives, Enduring Questions." Annual Review Psychology 50: 569-98.

Scott Feyereisen. "In the eyes of the beholder: Toward a stakeholder theory of networks"

Human, Sherrie & Keith Provan. 2000. "Legitimacy building in the evolution of small-firm networks: a comparative study of success and demise." Administrative Science Quarterly, 45: 327-365.

Mitchell, Ronald, Bradley Agle & Donna Wood. 1997. "Toward a theory of stakeholder identification and salience: Defining the principles of who and what really counts." Academy of Management Review, 22: 853-886.

April 25th Student Presentations

Jake Cramer. "West Africa: A Network of Insecurity."

Bakker, R. M., J. Raab, J. and H. B. Milward. 2012. "A preliminary theory of dark network resilience." Journal of Policy Analysis and Management, 31: 33-62.

Bright, D. A., C. E. Hughes, and J. Chalmers. 2011. "Illuminating dark networks: a social network analysis of an Australian drug trafficking syndicate." Crime, Law, and Social Change, 57(2).

Kyle Puetz. "The Contestation of Consecration: The Critical Field."

Bourdieu, Pierre. 1984. Distinction: A Social Critique of the Judgment of Taste, translated by Richard Nice. Cambridge, Mass.: Harvard University Press. Chapter 4.

McLean, Paul. 2007. The Art of the Network: Strategic Interaction and Patronage in Renaissance Florence. Durham, NC: Duke Univ. Press. Chapter 1.

May 2nd Exam, Paper Due and Course Evaluations

Classics

Peter M. Blau. 1955. The Dynamics of Bureaucracy: A Study of Interpersonal Relations in Two Government Agencies. Chicago: University of Chicago Press.

Peter M. Blau. 1964. Exchange and Power in Social Life. New York: John Wiley.

Peter M. Blau and Joseph E. Schwartz. 1984. Crosscutting Social Circles: Testing a Macrostructural Theory of Intergroup Relations. Orlando, FL: Academic Press.

Ronald S. Burt. 1992. Structural Holes: The Social Structure of Competition. Cambridge, MA: Harvard University Press.

Pierre Bourdieu. 1985. "The Forms of Capital." Pp. 241-58 in Handbook of Theory and Research for the Sociology of Education edited by John G. Richardson. New York: Greenwood Press.

Manuel Castells. 2000. The Rise of the Network Society. New York: Blackwell.

James S. Coleman. 1973. The Mathematics of Collective Action. New York: Academic Press.

James S. Coleman. 1990. The Foundations of Social Theory. Cambridge, MA: Belknap Press of Harvard University Press.

James S. Coleman, Elihu Katz, and Herbert Manzel. 1966. Medical Innovation: A Diffusion Study. Indianapolis: Bobbs-Merrill.

Paul DiMaggio and Walter W. Powell. 1983. "The Iron Cage Revisited: Institutional Isomorphism and Collective Rationality in Organizational Fields." American Sociological Review, 48:147-160.

Richard M. Emerson. 1962. "Power-Dependence Relations." American Sociological Review, 27: 31-40.

Mark Granovetter. 1973. "The Strength of Weak Ties." American Journal of Sociology, 78: 1360-1380.

Mark Granovetter. 1974. Getting a Job: A Study of Contacts and Careers. Cambridge, MA: Harvard University Press.

Floyd Hunter. 1953. Community Power Structure. Durham, NC: University of North Carolina Press.

Edward O. Laumann. 1973. Bonds of Pluralism: The Form and Substance of Urban Social Networks. New York: Wiley Interscience.

Nan Lin. 2001. Social Capital: A Theory of Social Structure and Action. New York: Cambridge University Press.

Francois Lorraine and Harrison C. White. 1971. "Structural Equivalence of individuals in social networks." Journal of Mathematical Sociology, 1:49-80.

J. Miller McPherson. 1983. "An Ecology of Affiliation." American Sociological Review, 48:519-532.

Jacob L. Moreno. 1953. Who Shall Survive? Foundations of Sociometry, Group Psychotherapy and Sociodrama. New York: Beacon House.

S. F. Nadel. 1957. The Theory of Social Structure. London: Cohen and West.

Walter W. Powell. 1990. "Neither Market nor Hierarchy: Network Forms of Organization." Research in Organizational Behavior, 12:295-336.

Everett M. Rogers and D. Lawrence Kincaid. 1981. Communication Networks: Towards a New Paradigm for Research. New York: The Free Press.

Georg Simmel. 1955. Conflict and the Web of Group Affiliations. Glencoe, IL: Free Press.

Barry Wellman. 1979. "The Community Question: The Intimate Networks of East Yorkers." American Journal of Sociology, 84: 1201-1231.

Harrison C. White. 1970. Chains of Opportunity: System Models of Mobility in Organizations. Cambridge, MA: Harvard University Press.

Harrison White. 1992. Identity and Control: A Structural Theory of Social Action. Princeton, NJ: Princeton University Press.

Communities, Support Networks, and Civil Society

Alan C. Acock and Jeanne S. Hurlbert. 1993. Social Networks, 15: 309-334.

Helmut K. Anheier, Jurgen Gerhards, and Frank P. Romo. 1995. "Forms of Capital and Social Structure in Cultural Fields: Examining Bourdieu's Social Topography." American Journal of Sociology, 100: 859-903.

Karen Barkey. 1997. "Networks of Contention: Villages and Regional Structure in the Seventeenth Century Ottoman Empire." American Journal of Sociology, 102:1345-82.

Peter Bearman. 1997. "Generalized Exchange." American Journal of Sociology, 102: 1383-1415.

Jeffrey Broadbent. 1989. "Strategies and Structural Contradictions: Growth Coalition Politics in Japan." American Sociological Review, 54: 707-721.

Jeffrey Broadbent. 1998. Environmental Politics in Japan: Networks of Power and Protest. New York: Cambridge University Press.

William J. Carbonaro. 1999. "Opening the Debate on Closure and Schooling Outcomes: Comment on Morgan and Sorensen." American Sociological Review, 64:682-686.

Sheldon Cohen and S. Leonard Syme. 1985. "Issues in the Study and Application of Social Support." Pp. 3-22 in Social Support and Health edited by Sheldon Cohen and S. Leonard Syme. Academic Press.

Nan Dirk De Graaf and Hendrik Derk Flap. 1988. "With a Little Help from my Friends." Social Forces, 67: 453-472.

Bonnie H. Erickson. 1996. "Culture, Class, and Connections." American Journal of Sociology, 102:217-251.

Claude Fischer. 1982. To Dwell among Friends. Chicago: University of Chicago Press.

Claude S. Fischer. 2009. "The 2004 GSS Finding of Shrunken Social Networks: An Artifact?" American Sociological Review, 74:657-69.

Peggy Giordano. 1995. "The Wider Circle of Friends in Adolescence." American Journal of Sociology, 101:661-97.

Rick Grannis. 1998. "The Importance of Trivial Streets: Residential Streets and Residential Segregation." American Journal of Sociology, 103:1530-60.

Roger V. Gould. 1996. "Patron-Client Ties, State Centralization, and the Whiskey Rebellion." American Journal of Sociology, 102: 400-429.

Roger V. Gould. 1993. "Collective Action and Network Structure." American Sociological Review, 58:182-96.

John Hagan, Ross MacMillan, and Blair Wheaton. 1996. "New Kid in Town: Social Capital and the Life Course Effects of Family Migration on Children." American Sociological Review, 61:368-385.

Maureen T. Hallinan and R. A. Williams. 1989. "Interracial Friendship Choices in Secondary Schools." American Sociological Review, 54: 67-78.

Maureen T. Hallinan and Warren N. Kubitschek. 1999. "Conceptualizing and Measuring School Social Networks: Comment on Morgan and Sorensen." American Sociological Review, 64:687-693.

Peter Hedstrom, Rickard Sandell, and Charlotta Stern. 2000. "Mesolevel Networks and the Diffusion of Social Movements: The Case of the Swedish Social Democratic Party." American Journal of Sociology, 106(1):145-72.

Alexander Hicks and Lane Kenworthy. 1998. "Cooperation and Political Economic Performance in Affluent Democratic Capitalism." American Journal of Sociology, 103:1631-72. (CC)

J.S. House, D. Umberson, and K.R. Landis. 1988. "Structures and Processes of Social Support." Annual Review of Sociology, 14:293-318.

Jeanne S. Hurlbert, Valerie A. Haines, and John J. Beggs. 2000. "Core Networks and Tie Activation: What Kinds of Routine Networks Allocate Resources in Nonroutine Situations?" American Sociological Review, 65: 598-618.

Michael Irwin and John Kasarda. 1991. "Air Passenger Linkages and Employment Growth in U.S. Metropolitan Areas." American Sociological Review, 56:524-37.

Hyojoung Kim and Peter S. Bearman. 1997. "The Structure and Dynamics of Movement Participation." American Sociological Review, 62: 70-93.

Edward O. Laumann. 1966. Prestige and Association in an Urban Community. Indianapolis: Bobbs-Merrill.

Edward O. Laumann, John Gagnon, Robert Michael, Stuart Michaels. 1994. "Sexual Networks." Pp. 225-268 in The Social Organization of Sexuality: Sexual Practices in the United States. Chicago: University of Chicago Press. Chapter 6.

John R. Logan and Glenna D. Spitze. 1994. "Family Neighbors." American Journal of Sociology, 100:453-76.

Peter V. Marsden. 1987. "Core Discussion Networks of Americans." American Sociological Review, 52:122-31.

Doug McAdam and Ronnelle Paulsen. 1993. "Specifying the Relationships between Social Ties and Activism." American Journal of Sociology, 99:640-67.

Miller McPherson, Lynn Smith-Lovin, Matthew Brashears. 2009. "Models and Marginals: Using Survey Evidence to Study Social Networks." American Sociological Review, 74:670-81.

Stephen L. Morgan and Aage B. Sorensen. 1999a. "Parental Networks, Social Closure, and Mathematics Learning: A Test of Coleman's Social Capital Explanation of School Effects." American Sociological Review, 64:661-681.

Stephen L. Morgan and Aage B. Sorensen. 1999b. "Theory, Measurement, and Specification

Issues in Models of Network Effects on Learning: Reply to Carbonaro and to Hallinan and Kubitschek.” American Sociological Review, 64:694-700.

Pamela Paxton. 1999. “Is Social Capital Declining in the United States? A Multiple Indicator Assessment.” American Journal of Sociology, 105:88-127.

Robert Putnam. 1993. Making Democracy Work: Civic Traditions in Modern Italy. Princeton, NJ: Princeton University Press.

Robert Putnam. 2000. Bowling Alone: The Collapse and Revival of American Community. New York: Simon and Schuster.

Robert J. Sampson, Jeffrey D. Morenoff, and Felton Earls. 1999. “Beyond Social Capital: Spatial Dynamics of Collective Efficacy for Children.” American Sociological Review, 64:633-660.

Jay D. Teachman, Kathleen Paasch, and Karen Carver. 1997. "Social Capital and the Generation of Human Capital." Social Forces, 75:1343-59.

Michael E. Walker, Stanley Wasserman, and Barry Wellman. 1994. "Statistical Models for Social Support Networks." Pp. 53-78 in Advances in Social Network Analysis: Research in the Social and Behavioral Sciences edited by Stanley Wasserman and Joseph Galaskiewicz. Thousand Oaks, CA: Sage.

Barry Wellman, Janet Salaff, Dimitrina Dimitrova, Laura Garton, Milena Gulia and Caroline Haythornthwaite. 1996. "Computer Networks as Social Networks: Collaborative Work, Telework, and Virtual Community." Annual Review of Sociology, 22:213-38.

Barry Wellman and Scot Wortley. 1990. "Different Strokes from Different Folks: Community Ties and Social Support." American Journal of Sociology, 96:558-588.

Dingxin Zhao. 1998. "Ecologies of Social Movements: Student Mobilization during the 1989 Prodemocracy Movement in Beijing." American Journal of Sociology, 103: 1493-1529.

Markets and Inter-Organizational Relations

Gautam Ahuja. 2000. “Collaboration Networks, Structural Holes, and Innovation: A Longitudinal Study.” Administrative Science Quarterly, 45: 425-455.

Catherine Alter and Jerald Hage. 1993. Organizations Working Together. Newbury Park, CA: Sage.

Wayne Baker. 1990. "Market Networks and Corporate Behavior." American Journal of Sociology, 96:589-625.

Wayne Baker and Robert Faulkner. 1993. "The Social Organization of Conspiracy: Illegal

Networks in the Heavy Electrical Equipment Industry." American Sociological Review, 58:837-860.

Wayne E. Baker, Robert R. Faulkner, and Gene A. Fisher. 1998. "Hazards of the Market: The Continuity and Dissolution of Interorganizational Market Relationships." American Sociological Review, 63(April):147-77.

Stephen Barley, John Freeman, and Ralph C. Hybels. 1992. "Strategic Alliances in Commercial Biotechnology." Pp. 311-347 in Nitin Nohria and Robert G. Eccles (eds), Networks and Organizations: Structure, Form, and Action. Boston, MA: Harvard Business School Press.

Joel C. Baum and Jane E. Dutton. 1996. "Introduction: The Embeddedness of Strategy." Advances in Strategic Management, 13:1-15.

Kenneth Benson. 1975. "Interorganizational Networks as Political Economy." Administrative Science Quarterly, 20:229-249.

Yanjie Bian. 1997. "Bringing Strong Ties Back In: Indirect Ties, Bridges, and job Search in China." American Sociological Review, 62: 366-85.

Yanjie Bian and Soon Ang. 1997. "*Guanxi* Networks and Job Mobility in China and Singapore." Social Forces, 75: 981-1005.

Ed A. Boxman, Paul M. De Graaf, and Hendrik D. Flap. 1991. "The Impact of Social and Human Capital on the Income Attainment of Dutch Managers." Social Networks, 13: 51-73.

Ronald S. Burt. 1983. Corporate Profits and Cooptation: Networks of Market Constraints and Directorate Ties in the American Economy. New York: Academic Press.

Ronald S. Burt. 1985. "Social Contagion and Innovation: Cohesion vs. Structural Equivalence." American Journal of Sociology, 92:1287-1335.

Ronald S. Burt. 1997. "The Contingent Value of Social Capital." Administrative Science Quarterly, 42:339-365. (CC)

Karen Cook. 1977. "Exchange and Power in Networks of Interorganizational Relations." Sociological Quarterly, 18:62-82.

M. T. Dacin, Mark J Ventresca, and B. D. Beal. 1999. "The Embeddedness of Organizations: Dialogue and Directions." Journal of Management, 25(3):317-56.

Gerald F. Davis and Henrich R. Greve. 1997. "Corporate Elite Networks and Governance Changes in the 1980s." American Journal of Sociology, 103:1-37.

Jeffrey H. Dyer and Harbir Singh. 1998. "The Relational View: Cooperative Strategy and Sources of Interorganizational Competitive Advantage." Academy of Management Review,

23:660-79.

Mark Ebers (ed.). 1997. The Formation of Inter-organizational Networks. Oxford, England: Oxford University Press.

Robert Eccles and Dwight B. Crane. 1988. Doing Deals: Investment Banks at Work. Boston: Harvard Business School Press.

Robert R. Faulkner. 1983. Music on Demand: Composer and Careers in the Hollywood Film Industry. New Brunswick, NJ: Transaction Books.

Joseph Galaskiewicz. 1979. Exchange Networks and Community Politics. Beverly Hills, CA: Sage.

Joseph Galaskiewicz. 1985. "Interorganizational Relations." Annual Review of Sociology, 11:281-304.

Joseph Galaskiewicz and Wolfgang Bielefeld. 1998. "Environmental and Embeddedness Effects on Organizational Tactics." Pp. 125-162 in Nonprofits in an Age of Uncertainty: A Study of Organizational Change. Hawthorne, NY: Aldine de Gruyter.

Joseph Galaskiewicz and Ronald S. Burt. 1991. "Interorganization Contagion in Corporate Philanthropy." Administrative Science Quarterly, 36:88-105.

Joseph Galaskiewicz and Stanley Wasserman. 1989. "Mimetic Processes within an Interorganizational Field: An Empirical Test." Administrative Science Quarterly, 34:454-79.

Joseph Galaskiewicz and Aks Zaheer. 1998. "Networks of Competitive Advantage." Pp. 237-61 in Research in the Sociology of Organizations, Vol 16 edited by Andrews and David Knoke. CT: JAI Press.

Michael Gerlach. 1992. Alliance Capitalism: The Social Organization of Japanese Business. Berkeley, CA: University of California Press.

Mark Granovetter. 1995. "Afterward." Pp. 139-82 in Getting a Job. Chicago: University of Chicago Press.

Ranjay Gulati. 1995. "Social Structure and Alliance Formation Patterns: A Longitudinal Analysis." Administrative Science Quarterly, 40:619-652.

Ranjay Gulati and Martin Gargiulo. 1999. "Where Do Interorganizational Networks Come From?" American Journal of Sociology, 104: 1439-1493.

Ranjay Gulati, Nitin Nohria, and Akbar Zaheer. 2000. "Strategic Networks." Strategic Management Journal, 21:203-15.

Ranjay Gulati and James D. Westphal. 1999. "Cooperative or Controlling? The Effects of CEO-board Relations and the Content of Interlocks on the Formation of Joint Ventures." Administrative Science Quarterly, 44: 473-506.

Jacqueline Maria Hagan. 1998. "Social Networks, Gender, and Immigrant Incorporation: Resources and Constraints." American Sociological Review, 63:55-67.

Pamela R. Haunschild and Anne S. Miner. 1997. "Modes of Interorganizational Imitation: The Effects of Outcome Salience and Uncertainty." Administrative Science Quarterly, 42:472-500.

Pamela R. Haunschild and Christine M. Beckman. 1998. "When Do Interlocks Matter?: Alternate Sources of Information and Interlock Influence." Administrative Science Quarterly, 43: 815-876.

Sherrie E. Human and Keith G. Provan. 2000. "Legitimacy Building in the Evolution of Small-firm Multilateral Networks: A Study of Success and Demise." Administrative Science Quarterly, 45:327-365.

Lisa A. Keister. 1998. "Engineering Growth: Business Group Structure and Firm Performance in China's Transitional Economy." American Journal of Sociology, 104:404-40.

David Knoke. 2001. "Making Connections." Pp. 120-163 in Changing Organizations: Business Networks in the New Political Economy. Boulder, CO: Westview Press, Chapter

David Knoke and Miguel Guilarte. 1995. "The Network Analysis of Social Structure." Pp. 77-115 in Current Perspectives in Social Theory, Supplement 1. Greenwich, CT: JAI Press.

Clifford Kono, Donald Palmer, Roger Friedland, and Matthew Zafonte. 1998. "Lost in Space: the Geography of Corporate Interlocking Directorates." American Journal of Sociology, 103:863-911.

Nan Lin and May Dumin. 1986. "Access to Occupations through Social Ties." Social Networks, 8: 365-385.

Nan Lin, Walter M. Ensel, and John C. Vaughn. 1981. "Social Resources and Strength of Ties: Structural Factors in Occupational Status Attainment." American Sociological Review, 46:393-405.

Nan Lin. 1982. "Social Resources and Instrumental Action." Pp. 131-45 in Social Structure and Network Analysis edited by P.V. Marsden and N. Lin. Beverly Hills, CA: Sage.

James R. Lincoln, Michael Gerlach, and Peggy Takahashi. 1992. "*Keiretsu* Networks in Japan: A Dyad Analysis of Intercorporate Ties." American Sociological Review, 57:561-85.

James R. Lincoln, Michael Gerlach, and Christina L. Ahmadjian. 1996. "*Keiretsu* Networks and Corporate Performance in Japan." American Journal of Sociology, 61:67-88.

Mark Mizruchi. 1989. "Similarity of Political Behavior among Large American Corporations." American Journal of Sociology, 95:401-24.

Mark Mizruchi. 1993. "Cohesion, Equivalence, and Similarity of Behavior: A Theoretical and Empirical Assessment." Social Networks, 15: 275-307.

Mark Mizruchi. 1996. "What Do Interlocks Do? An Analysis, Critique, and Assessment of Research on Interlocking Directorates." Annual Review of Sociology, 22: 271-98.

Mark Mizruchi and Joseph Galaskiewicz. 1994. "Networks of Interorganizational Relations." Pp. 230-253 in Advances in Social Network Analysis: Research in the Social and Behavioral Sciences edited by Stanley Wasserman and Joseph Galaskiewicz. Thousand Oaks, CA: Sage.

Janine Nahapiet and Sumantra Ghoshal. 1998. "Social Capital, Intellectual Capital and the Organizational Advantage." Academy of Management Review, 23:242-266.

Victor Nee and Paul Ingram. 1998. "Embeddedness and Beyond: Institutions, Exchange, and Social Structure." Pp. 19-45 in The New Institutionalism in Sociology edited by Mary C. Brinton and Victor Nee. New York: Russell Sage Foundation.

Nitin Nohria and Robert G. Eccles (eds). 1992. Networks and Organizations: Structure, Form, and Action. Boston: Harvard Business School Press.

Christine Oliver. 1990. "Determinants of Interorganizational Relations." Academy of Management Review, 10:397-407.

Johannes M. Pennings. 1980. Interlocking Directorates: Origins and Consequences of Connections Among Organizations. San Francisco: Jossey-Bass.

Charles Perrow. 1992. "Small-Firm Networks." Pp. 445-470 in Networks and Organizations: Structure, Form, and Action edited by Nitin Nohria and Robert Eccles. Boston: Harvard Business School Press.

Joel M. Podolny and Karen L. Page. 1998. "Network Forms of Organization." Annual Review of Sociology, 24:57-76. (CC)

Alejandro Portes. 1995. "Economic Sociology and the Sociology of Immigration: A Conceptual Overview." Pp. 1-41 in Economic Sociology of Immigration: Essays on Networks, Ethnicity, and Entrepreneurship edited by Alejandro Portes. New York: Russell Sage Foundation.

Alejandro Portes and J. Sensenbrenner. 1993. "Embeddedness and Immigration: Notes on the Social Determinants of Economic Relations." American Journal of Sociology, 98:1320-50.

Walter W. Powell, Kenneth W. Koput, and Laurel Smith-Doerr. 1996. "Interorganizational Collaboration and the Locus of Innovation: Networks of Learning in Biotechnology."

Administrative Science Quarterly, 41:116-145.

Walter W. Powell and Laurel Smith-Doerr. 1994. "Networks and Economic Life." Pp. 368-402 in The Handbook of Economic Sociology edited by Neil Smelser and Richard Swedberg. Princeton, NJ: Princeton University Press. (BS)

Keith G. Provan and H. Brinton Milward. 1995. "A Preliminary Theory of Interorganizational Network Effectiveness: A Comparative Study of Four Community Mental Health Systems." Administrative Science Quarterly, 40:1-33.

Peter Ring and Andy Van de Ven. 1994. "Developmental Processes of Cooperative Interorganizational Relations." Academy of Management Review, 19:90-119.

Frank Romo and Michael Schwartz. 1995. "The Structural Embeddedness of Business Decisions: The Migration of Manufacturing Plants in New York State, 1960 to 1985." American Sociological Review, 60:874-907.

Jimmy M. Sanders and Victor Nee. 1996. "Immigrant Self-Employment: The Family as Social Capital and the Value of Human Capital." American Sociological Review, 61:231-249.

Toby E. Stuart, Ha Hoang, and Ralph C. Hybels. 1999. "Interorganizational Endorsements and the Performance of Entrepreneurial Ventures." Administrative Science Quarterly, 44:315-349.

Brian Uzzi. 1996. "The Sources and Consequences of Embeddedness for the Economic Performance of Organizations: The Network Effect." American Sociological Review, 61:674-698.

Brian Uzzi. 1999. "Embeddedness in the Making of Financial Capital: How Social Relations and Networks Benefit Firms Seeking Financing." American Sociological Review, 64:481-505.

James D. Westphal, Ranjay Gulati, and Stephen M. Shortell. 1997. "Customization or Conformity? An Institutional and Network Perspective on the Content and Consequences of TQM Adoption." Administrative Science Quarterly, 42:366-394.

Akbar Zaheer, Bill McEvily, and Vincenzo Perrone. 1998. "Does Trust Matter? Exploring the Effects of Interorganizational and Interpersonal Trust on Performance." Organizational Science, 9:1-20.

Akbar Zaheer and Srilata Zaheer. 1997. "Catching Wave: Alertness, Responsiveness, and Market Influence in Global Electronic Networks." Management Science, 43: 1493-1509.

Sharon Zukin and Paul DiMaggio. 1990. "Introduction." Pp. 1-36 in Structures of Capital: The Social Organization of the Economy edited by Sharon Zukin and Paul DiMaggio. New York: Cambridge University Press.

Niches and Arenas

Joel A. C. Baum and Heather A. Haveman. 1997. "Love Thy Neighbor? Differentiation and Agglomeration in the Manhattan Hotel Industry, 1898-1990." Administrative Science Quarterly, 42:304-338.

Joel A. C. Baum and Christine Oliver. 1991. "Institutional Linkages and Organizational Mortality." Administrative Science Quarterly, 36: 187-218.

Joel A. C. Baum and Christine Oliver. 1996. "Toward an Institutional Ecology of Organizational Foundings." Academy of Management Journal, 39:1378-1427.

Joel A. C. Baum and Jitendra V. Singh. 1994a. "Organizational Niche Overlap and the Dynamics of Organizational Mortality." American Journal of Sociology, 100: 346-380.

Joel A. C. Baum and Jitendra V. Singh. 1994b. "Organizational Niche Overlap and the Dynamics of Organizational Founding." Organization Science, 5:483-502.

Joel A. C. Baum and Jitendra V. Singh. 1996. "Dynamics of Organizational Response to Competition." Social Forces, 74:1261-1297.

Ronald S. Burt and Ilan Minor. 1993. "Market Niche." Social Networks, 15:133-149.

Paul DiMaggio. 1986. "Structural Analysis of Organizational Fields: A Blockmodel Approach." Pp. 335-70 in Research in Organizational Behavior edited by Barry Staw and Larry L. Cummings. Greenwich, CT: JAI Press.

Joseph Galaskiewicz and Wolfgang Bielefeld. 1998. "Niche Analysis." Pp. 251-267 in Nonprofits in an Age of Uncertainty: A Study of Organizational Change. Hawthorne, NY: Aldine de Gruyter.

J. Miller McPherson, Pamela Popielarz, and Sonja Drobnic. 1992. "Social Networks and Organizational Dynamics." American Sociological Review, 57:153-170.

J. Miller McPherson and Thomas Rotolo. 1996. "Testing a Dynamic Model of Social Composition: Diversity and Change in Voluntary Groups." American Sociological Review, 61: 179-202.

Anne Mische and Harrison White. Forthcoming. "Between Conversation and Situation: Public Switching Dynamics Across Network-Domains." Social Research.

Joel M. Podolny and Toby E. Stuart. 1995. "A Role-Based Ecology of Technological Change." American Journal of Sociology, 100:1224-60.

Joel M. Podolny, Toby E. Stuart, and Michael T. Hannan. 1996. "Networks, Knowledge, and Niches: Competition in the World wide Semiconductor Industry, 1984-1991." American Journal

of Sociology, 102:659-689.

Pamela A. Popielarz and J. Miller McPherson. 1995. "On the Edge or In Between: Niche Position, Niche Overlap, and the Duration of Voluntary Association Memberships." American Journal of Sociology, 101:698-720.

Toby E. Stuart. 1998. "Network Positions and Propensities to Collaborate: An Investigation of Strategic Alliance Formation in a High-Technology Industry." Administrative Science Quarterly, 43:668-698.

Intra-organizational Networks

Daniel J. Brass. 1984. "Being in the Right Place: A Structural Analysis of Individual Influence in an Organization." Administrative Science Quarterly, 29:519-539.

Daniel J. Brass. 1985. "Men's and Women's Networks: A Study of Interaction Patterns and Influence in an Organization." Academy of Management Journal, 28:327-343.

Daniel J. Brass. 1992. "Power in Organizations: A Social Network Perspective." Pp. 295-323 in Gwen Moore and J.A. White (eds), Research in Politics and Society. Greenwich, CT: JAI Press.

Daniel J. Brass. and Marlene E. Burkhardt. 1992. "Centrality and Power in Organizations." Pp. 191-215 in Nitin Nohria and Robert Eccles (eds), Networks and Organizations: Structure, Form, and Action. Boston: Harvard Business School Press.

Daniel J. Brass, Kenneth D. Butterfield, and Bruce C. Skaggs. 1998. "Relationships and Unethical Behavior: A Social Network Perspective." Academy of Management Review, 23: 14-31.

Marlene E. Burkhardt and Daniel J. Brass. 1990. "Changing Patterns of Patterns of Change: The Effect of a Change in Technology on Social Network Structure and Power." Administrative Science Quarterly, 35: 104-127.

Ronald S. Burt, Joseph E. Jannotta, and James T. Mahoney. 1998. "Personality Correlates of Structural Holes." Social Networks, 20: 63-87.

Mark Chaves. 1996. "Ordaining Women: The Diffusion of an Organizational Innovation." American Journal of Sociology, 101: 840-73.

Roberto M. Fernandez, Emilio J. Castilla, and Paul Moore. 2000. "Social Capital at Work: Networks and Employment at a Phone Center." American Journal of Sociology, 105:1288-1356.

Roberto M. Fernandez and Nancy Weinberg. 1997. "Sifting and Sorting: Personal Contacts and Hiring in a Retail Bank." American Sociological Review, 62: 883-902.

- Herminia Ibarra. 1992. "Homophily and Differential Returns: Sex Differences in Network Structure and Access in an Advertising Firm." Administrative Science Quarterly, 37: 422-447.
- Herminia Ibarra. 1993. "Personal Networks of Women and Minorities in Management: A Conceptual Framework." Academy of Management Review, 18:56-87.
- Herminia Ibarra. 1995. "Race, Opportunity, and Diversity of Social Circles in Managerial Networks." Academy of Management Journal, 38:673-701.
- Herminia Ibarra and Stephen B. Andrews. 1993. "Power, Social Influence, and Sense-making: Effects of Network Centrality and Proximity on Employee Perceptions." Administrative Science Quarterly, 38: 277-304.
- Martin Kilduff and David Krackhardt. 1994. "Bringing the Individual Back in: A Structural Analysis of the Internal Market for Reputation in Organizations." Academy of Management Journal, 37:87-108.
- David Krackhardt. 1987. "Cognitive Social Structures." Social Network, 9:109-134.
- David Krackhardt. 1990. "Assessing the Political Landscape: Structure, Cognition, and Power in Organizations." Administrative Science Quarterly, 35:342-369.
- David Krackhardt. 1992. "The Strength of Strong Ties: The Importance of Philos in Organizations." Pp. 216-239 in Networks and Organizations: Structure, Form, and Action edited by Nitin Nohria and Robert Eccles. Boston: Harvard Business School Press.
- David Krackhardt and Daniel Brass. 1994. "Intraorganizational Networks: The Micro Side." Pp. 207-229 in Advances in Social Network Analysis: Research in the Social and Behavioral Sciences edited by Stanley Wasserman and Joseph Galaskiewicz. Thousand Oaks, CA: Sage.
- David Krackhardt and Jeffrey R. Hanson. 1993. "Informal Networks: The Company Behind the Chart." Harvard Business Review, (July-August):104-111.
- David Krackhardt and L.W. Porter. 1985. "When Friends Leave: A Structural Analysis of the Relationship between Turnover and Stayers' Attitudes." Administrative Science Quarterly, 30:242-261.
- Giuseppe Labianca, Daniel J. Brass, and Barbara Gray. 1998. "Social Networks and Perceptions of Intergroup Conflict: The Role of Negative Relationships and Third Parties." Academy of Management Journal, 41: 55-67.
- Ajay Mehra, Martin Kilduff, and Daniel J. Brass. 1998. "At the Margins: A Distinctiveness Approach to the Social Identity and Social Networks of Underrepresented Groups." Academy of Management Journal, 41: 441-452.

Janine Nahapiet and Sumantra Ghoshal. 1998. "Social Capital, Intellectual Capital, and the Organizational Advantage." Academy of Management Review, 23: 242-266.

Joel M. Podolny and James N. Baron. 1997. "Resources and Relationships: Social Networks and Mobility in the Workplace." American Sociological Review, 62:673-693.

Ronald Rice. 1994. "Network Analysis and Computer-Mediated Communications Systems." Pp. 167-206 in Advances in Social Network Analysis: Research in the Social and Behavioral Sciences edited by Stanley Wasserman and Joseph Galaskiewicz. Thousand Oaks, CA: Sage.

Ronald E. Rice and Carolyn Aydin. 1991. "Attitudes toward New Organizational Technology: Network Proximity as a Mechanism for Social Information Processing." Administrative Science Quarterly, 36:219-244.

Priti Pradhan Shah. 1998. "Who Are Employees' Social Referents? Using a Network Perspective to Determine Referent Others." Academy of Management Journal, 41: 249-268.

Marc-David L. Seidel, Jeffrey T. Polzer, and Katherine J. Stewart. 2000. "Friends in High Places: The Effects of Social Networks on Discrimination in Salary Negotiations." Administrative Science Quarterly, 45:1-24.

N. M. Tichy. 1981. "Networks in Organizations." Pp. 225-249 in William H. Starbuck and P.C. Nystrom (eds), Handbook of Organizational Design: Remodeling Organizations and their Environments. New York: Oxford University Press.

Gordon Walker. 1985. "Network Position and Cognition in a Computer Firm." Administrative Science Quarterly, 30:103-130.

Elites

Jeffrey Broadbent and Yoshito Ishio. 1998. "The 'Embedded Broker' State: Social Networks and Political Organization in Japan." Pp. 79-108 in Networks, Markets, and the Pacific Rim edited by W. Mark Fruin. New York: Oxford University Press.

Dan Clawson and Alan Neustadtl. 1989. "Interlocks, PACs, and Corporate Conservatism." American Journal of Sociology, 94:749-773.

Dan Clawson, Alan Neustadtl, and Denise Scott. 1992. Money Talks: Corporate PACs and Political Influence. New York: Basic Books.

G. William Domhoff. 1983. Who Rules America Now? Englewood Cliffs, NJ: Prentice Hall.

Thomas R. Dye. 1995. Who's Running America? The Clinton Years, Sixth Edition. Englewood Cliffs, NJ: Prentice Hall.

Roberto M. Fernandez and Roger V. Gould. 1994. "A Dilemma of State Power: Brokerage and

Influence in the National Health Policy Domain." American Journal of Sociology, 99: 1455-91.

Kenneth A. Frank and Jeffrey Y. Yasumoto. 1998. "Linking Action to Social Structure with a System: Social Capital within and between Subgroups." American Journal of Sociology, 104: 642-686.

Joseph Galaskiewicz. 1985. Social Organization of an Urban Grants Economy: A Study of Business Philanthropy and Nonprofit Organizations. Orlando, FL: Academic Press.

Joseph Galaskiewicz. 1997. "An Urban Grants Economy Revisited: Corporate Charitable Contributions in the Twin Cities, 1979-81, 1987-89." Administrative Science Quarterly, 42:445-471.

Joseph Galaskiewicz, Stanley Wasserman, Barbara Rauschenbach, Wolfgang Bielefeld, and Patti Mullaney. 1985. "The Influence of Corporate Power, Social Status, and Market Position on Corporate Interlocks in a Regional Network." Social Forces, 64:403-31.

John K. Galbraith. 1967. The New Industrial State. Boston: Houghton Mifflin.

Edward S. Herman. 1981. Corporate Control, Corporate Power. Cambridge: Cambridge University Press.

Charles Kadushin. 1995. "Friendship among the French Financial Elite." American Sociological Review, 60:202-221.

David Knoke. 1990. Political Networks: The Structural Perspective. New York: Cambridge University Press.

David Knoke. 1990. Organizing for Collective Action: The Political Economies of Associations. Hawthorn, NY: Aldine de Gruyter.

David Knoke and Franz Urban Pappi. 1991. "Organizational Action Sets in the U.S. and German Labor Policy Domains." American Sociological Review, 56:509-523.

David Knoke. 1994. "Networks of Elite Structure and Decision-Making." Pp. 274-94 in Advances in Social Network Analysis: Research in the Social and Behavioral Sciences edited by Stanley Wasserman and Joseph Galaskiewicz. Thousand Oaks, CA: Sage.

David Knoke, Franz Urban Pappi, Jeffrey Broadbent, and Yutaka Tsujinaka. 1996. Comparing Policy Networks: Labor Politics in the U.S., Germany, and Japan. New York: Cambridge University Press.

Edward O. Laumann and Franz Pappi. 1976. Networks of Collective Action: A Perspective on Community Influence Systems. New York: Academic Press.

Edward O. Laumann and David Knoke. 1987. The Organizational State: Social Choice in

National Policy Domains. Madison, WI: University of Wisconsin Press.

Myles L. Mace. 1971. Directors: Myth and Reality. Boston: Division of Research, Graduate School of Business Administration, Harvard University.

C. Wright Mills. 1956. The Power Elite. New York: Oxford University Press.

Beth Mintz and Michael Schwartz. 1981. "Interlocking Directorates and Interest Group Formations." American Sociological Review, 46:851-69.

Beth Mintz and Michael Schwartz. 1985. The Power Structure of American Business. Chicago: University of Chicago Press.

Mark Mizruchi. 1992. The Structure of Corporate Political Action: Interfirm Relations and their Consequences. Cambridge, MA: Harvard University Press.

Mark Mizruchi. 1996. "What Do Interlocks Do? An Analysis, Critique, and Assessment of Research on Interlocking Directorates." Annual Review of Sociology, 22: 271-98.

Mark Mizruchi and Michael Schwartz (eds). 1987. Intercorporate Relations: The Structural Analysis of Business. New York: Cambridge University Press.

Alan Neustadtl and Dan Clawson. 1988. "Corporate Political Groupings: Does Ideology Unify Business Political Behavior?" American Sociological Review, 53:172-190.

John F. Padgett and C. K. Ansell. 1993. "Robust Action and the Rise of the Medici, 1400-1434." American Journal of Sociology, 98: 1259-1319.

John Scott. 1991. "Networks of Corporate Power: A Comparative Assessment." Annual Review of Sociology, 17: 181-203.

Leonard Silk and Mark Silk. 1980. The American Establishment. New York: Basic Books.

Michael Useem. 1982. "Classwide Rationality in the Politics of Managers and Directors of Large Corporations in the United States and Great Britain." Administrative Science Quarterly, 27:199-226.

Michael Useem. 1984. The Inner Circle: Large Corporations and the Rise of Business Political Activity in the U.S. and U.K. New York: Oxford University Press.

Small Groups

Phillip Bonacich. 1972. "Techniques for Analyzing Overlapping Memberships." Pp. 176-85 in Sociological Methodology edited by Herbert L. Costner. San Francisco: Jossey-Bass.

- Phillip Bonacich. 1987. "Power and Centrality: A Family of Measures." American Journal of Sociology, 92: 1170-82.
- Peter J. Burke. 1997. "An Identity Model for Network Exchange." American Sociological Review, 62: 134-150.
- Karen S. Cook, Richard M. Emerson, Marry R. Gilmore, and Toshio Yamagishi. 1983. "The Distribution of Power in Exchange Networks: Theory and Experimental Results." American Journal of Sociology, 87:275-305.
- Karen S. Cook and Toshio Yamagishi. 1992. "Power in Exchange Networks: A Power-Dependence Formulation." Social Networks, 14:245-65.
- Noah E. Friedkin. 1991. "Theoretical Foundations for Centrality Measures." American Journal of Sociology, 96: 1478-1504.
- Noah E. Friedkin. 1999. "Choice Shift and Group Polarization." American Sociological Review, 64: 856-875.
- Peter Kollock. 1994. "The Emergence of Exchange Structures: An Experimental Study of Uncertainty, Commitment, and Trust." American Journal of Sociology, 100: 313-345.
- Edward J. Lawler and Jeongkoo Yoon. 1996. "Commitment in Exchange Relations: Test of a Theory of Relational Cohesion." American Sociological Review, 61: 89-108.
- Edward J. Lawler and Jeongkoo Yoon. 1998. "Network Structure and Emotion in Exchange Relations." American Sociological Review, 63:871-894.
- Robert Leik and Mary Anne Chalkley. 1997. "On the Stability of Network Relations under Stress." Social Networks, 19:63-74.
- Barry Markovsky, John Skvoretz, David Willer, Michael J. Lovaglia, and Jeffrey Erger. 1993. "The Seeds of Weak Power: An Extension of Network Exchange Theory." American Sociological Review, 58:220-36.
- Barry Markovsky, David Willer and Travis Patton. 1988. "Power Relations in Exchange Networks." American Sociological Review, 53:220-36.
- Peter V. Marsden. 1981. "Introducing Influence Processes into a System of Collective Action." American Journal of Sociology, 86: 1203-35.
- Peter V. Marsden. 1983. "Restricted Access in Networks and Models of Power." American Journal of Sociology, 88: 686-717.
- Peter V. Marsden and Noah E. Friedkin. 1994. "Network Studies of Social Influence." Pp. 3-25 in Advances in Social Network Analysis: Research in the Social and Behavioral Sciences edited

by Stanley Wasserman and Joseph Galaskiewicz. Thousand Oaks, CA: Sage.

Linda D. Molm. 1990. "Structure, Action, and Outcomes: The Dynamics of Power in Social Exchange." American Sociological Review, 55:427-47.

Linda D. Molm, Theron M. Quist, and Phillip A. Wiseley. 1994. "Imbalanced Structures, Unfair Strategies: Power and Justice in Social Exchange." American Sociological Review, 59: 98-121.

Linda D. Molm, Gretchen Peterson, and Nobuyuki Takahashi. 1999. "Power in Negotiated and Reciprocal Exchange." American Sociological Review, 64:876-890.

Linda D. Molm, Nobuyuki Takahashi, and Gretchen Peterson. 2000. "Risk and Trust in Social Exchange: An Experimental Test of a Classical Proposition." American Journal of Sociology, 105: 1396-1427.

John Skvoretz and Thomas J. Fararo. 1996. "Status and Participation in Task Groups: A Dynamic Network Model." American Journal of Sociology, 101: 1366-1414.

John Skvoretz and David Willer. 1993. "Exclusion and Power: A Test of Four Theories of Power in Exchange Networks." American Sociological Review, 58: 801-18.

Thomas S. Smith and Gregory T. Stevens. 1999. "The Architecture of Small Networks: Strong Interaction and Dynamic Organization in Small Social Systems." American Sociological Review, 64: 403-420.

David Willer. 1992. "Predicting Power in Exchange Networks: A Brief History and Introduction to the Issues." Social Networks, 14: 187-211.

Kazuo Yamaguchi. 1996. "Power in Networks of Substitutable and Complementary Exchange Relations: A Rational-Choice Model and an Analysis of Power Centralization." American Sociological Review, 1:308-332.

Toshio Yamagishi, Marry R. Gilmore, and Karen S. Cook. 1988. "Network Connections and the Distribution of Power in Exchange Networks." American Journal of Sociology, 93:833-51.