

Graduate Program in Sociology
Comprehensive Exam Reading List
Qualitative Methods
March 1, 2023

Pedagogical Objectives

To help prepare students to teach qualitative research methods and conduct qualitative research.

To help students become conversant with “big” questions about qualitative methodology, epistemology and the politics of knowledge, as well as more “hands-on” issues related to the practice and design of qualitative inquiry.

Seven sections of the reading list cover:

- 1) formative critiques of science, positivism, and the enlightenment tradition with a bearing on qualitative modes of inquiry as a critical project of knowledge making.
- 2) readings addressing data collection, coding, analysis, and other aspects of qualitative research design.
- 3) scholarship on representation and reflexivity in qualitative inquiry.
- 4) scholarship exploring ethical issues in qualitative inquiry and critiquing the standardization of research ethics.
- 5) Indigenous, anti-racist, postcolonial, queer, and feminist scholarship that critiques established traditions of research methods.
- 6) scholarship on the post-qualitative turn.
- 7) readings from eight areas of social inquiry with strong ties to qualitative research methods.

Instructions to Students

This reading list has been designed in such a way that balances required readings with readings chosen by the student. Your final list must include:

- 1) The minimum number of readings required in each section of this reading list.
- 2) Additional readings from this list identified by the student in consultation with their comprehensive exam committee.
- 4) Reading chosen by the student that do not appear on this list (up to a maximum of 25% of your final reading list).

In total you should create a reading list consisting of the equivalent of 25 medium-sized books (5 journal articles or chapters = 1 medium-sized book). Students may choose individual chapters from any of the edited collections included in this reading list.

1. Qualitative Methodology, Epistemology and the Politics of Knowledge (4 books, 1 book chapter, 6 articles)

Students must choose at least three readings from the list below.

Barad, K. (2007). *Meeting the universe halfway: Quantum physics and the entanglement of matter and meaning*. Durham, NC: Duke University Press.

Becker, H. S. (1996). The epistemology of qualitative research. *Ethnography and human development: Context and meaning in social inquiry*, 27, 53-71.

Collins, Patricia Hill. 2000. *Black feminist thought: knowledge, consciousness, and the politics of empowerment*. New York: Routledge.

Collins, P.H. (1989). The social construction of Black Feminist Thought. *Journal of Women in Culture and Society*, 14(4), 745-773.

Gans, Herbert. 2010. "Public Ethnography: Ethnography as Public Sociology." *Qualitative Sociology*, 33(1): 97-104.

Guba, Egon G. and Yvonna S. Lincoln. (2017). Paradigmatic Controversies, Contradictions, and Emerging Confluences. In N.K. Denzin and Y. S. Lincoln (Eds.), *The SAGE Handbook of Qualitative Research*. Thousand Oaks, CA: Sage.

Haraway, Donna. 1998. Situated Knowledges: The Science Question in Feminism and the Privilege of Partial Perspective. *Feminist Studies*, Vol. 14, No. 3. (Autumn, 1988), pp. 575-599

Harding, S. (1986). *The science question in feminism*. Ithaca, NY: Cornell University Press.

Law, John. *After Method: Mess in Social Science Research*. London: Routledge, 2004.

MacLure, Maggie. (2011). Qualitative inquiry: Where are the ruins? *Qualitative Inquiry*, 17, 10: 997-1005.

Morse, Janice. 2020. "The Changing Face of Qualitative Inquiry." *International Journal of Qualitative Methods*, Volume 19, 1-7.

2. Issues in Research Design (1 book, 9 articles)

Students must choose at least three readings from the list below.

Bazeley, P. (2009). Analyzing qualitative data: more than identifying themes. *Qualitative Research* 2 (2): 6-22.

Bird, C. (2005). How I stopped dreading and learned to love transcription. *Qualitative Inquiry* 11 (2): 226-248.

Creswell, John W. (2013) *Qualitative inquiry and research design: Choosing among five approaches*. Sage. (or the later 2018 version of the text with new co-author Cheryl Poth).

Deterding, N.M. and Waters, M.C. (2021). Flexible coding of in-depth interviews: A twenty-first-century approach. *Sociological methods & research*, 50(2), 708-739.

DeVault, M. (1990). Talking and listening from women's standpoint: Feminist strategies for interviewing and analysis, *Social Problems*, 37(1), 96-116.

Keightly, Emily. 2010. "Remembering Research: Memory and Methodology in the Social Sciences." *International Journal of Social Research Methodology*, 13(1), 55-70.

Poland, B. D. (1995). Transcription quality as an aspect of rigor in qualitative research. *Qualitative inquiry*, 1(3), 290-310.

Rapley, T. J. (2001). The art (fulness) of open-ended interviewing: some considerations on analysing interviews. *Qualitative research*, 1(3), 303-323.

Roulston, K. (2010). Considering quality in qualitative interviewing. *Qualitative research*, 10(2), 199-228.

Small, M.L. (2009). How many cases do I need?' On science and the logic of case selection in field-based research. *Ethnography*, 10 (1), 5-38.

3. Representation, Reflexivity, and Voice (2 book chapters, 8 articles)

Students must choose at least three readings from the list below.

Berger, R. (2015). Now I see it, now I don't: Researcher's position and reflexivity in qualitative research. *Qualitative research*, 15(2), 219-234.

Bourdieu, P. (2006). Understanding. Pp. 607-626 in *The weight of the world: Social suffering in contemporary society*, edited by Pierre Bourdieu. Palo Alto, CA: Stanford University Press.

Dickson-Smith, V., James, E., Kippen, S. and Liamputtong, P. 2007. "Doing Sensitive Research: What Challenges to Qualitative Researchers Face?", *Qualitative Research* 7(3), 327-353.

Finlay, L. 2002. "Negotiating the swamp: the opportunity and challenge of reflexivity in research practice." *Qualitative Research* 2(2):209-230.

Hamilton, Patricia. 2020. "Now that I know what you're about: Black Feminist Reflections on Power in the Research Relationship." *Qualitative Research*, 20(5), 519-533.

Kleinman, S. & Copp, M. A. (1993). Feelings about participants. Pp. 1-18 in *Emotions and Fieldwork*. Newbury Park, CA: Sage publications.

Mauthner, N.S. and Doucet, A. (2003). Reflexive accounts and accounts of reflexivity in qualitative data analysis. *Sociology*, 37(3), 413-431.

Mosselson, Jacqueline. 2010. "Subjectivity and Reflexivity: Locating the Self in Research on Dislocation." *International Journal of Qualitative Studies in Education*, 23(4), 479-494.

Pillow, W. (2003). Confession, catharsis, or cure? Rethinking the uses of reflexivity as methodological power in qualitative research. *International journal of qualitative studies in education*, 16(2), 175-196.

Sherif, Bahira. 2001. "The Ambiguity of Boundaries in the Fieldwork Experience: Establishing Rapport and Negotiating Insider/Outsider Status." *Qualitative Inquiry*, 7(4), 436-447.

4. Research Ethics (2 books, 1 book chapter, 5 articles)

Students must choose at least two readings from the list below.

Fine, G.A. (1993). Ten lies of ethnography: Moral dilemmas of field research. *Journal of Contemporary Ethnography*, 22(3): 267-294.

Gatenby, Bev and Maria Humphries. 2000. "Feminist Participatory Action: Methodological and Ethical Issues." *Women's Studies International Forum*, 23(1): 89-105.

Humphreys, L. (1975). *Tearoom trade: Impersonal sex in public places*. New York: Aldine Pub. Co.

Mattingly, Cheryl. 2005. Toward a vulnerable ethics of research practice. *Health: An Interdisciplinary Journal for the Social Study of Health Illness and Medicine*. 9(4): 453-71.

Plankey-Videla, Nancy. 2012. "Informed Consent as Process: Problematizing Informed Consent in Organizational Ethnographies." *Qualitative Sociology*, 35, 1-21.

Shaw, I. 2003. "Ethics in Qualitative Research and Evaluation", *Journal of Social Work* 3(1): 9-29.

Van den Hoonaard, W. C., & Hamilton, A. (Eds.). (2016). *The ethics rupture: Exploring alternatives to formal research-ethics review*.

Van Maanen, John. 1983. The moral fix: On the ethics of fieldwork. In Emerson, Robert, M. (Ed.) *Contemporary field research: A collection of readings*. Pp. 269-287 Boston: Little, Brown and Company.

5. Decolonizing Methods, Decentering Whiteness and Queering Methods (5 books, 1 book chapter, 11 articles)

Students must choose at least four readings from the list below.

Alexander, Bryant Keith. (2008). Queer(y)ing the Postcolonial Through the West(ern). Chapter six, in, Norman K. Denzin, Yvonna S. Lincoln & Linda Tuhiwai Smith (eds.), *Handbook of Critical and Indigenous Methodologies*. CA: Sage.

Choo, H. Y., & Ferree, M. M. (2010). Practicing intersectionality in sociological research: A critical analysis of inclusions, interactions, and institutions in the study of inequalities. *Sociological theory*, 28(2), 129-149.

Compton, D. R., Meadow, T., & Schilt, K. (2018). *Other, please specify: Queer methods in Sociology*. University of California Press.

Crenshaw, Kimberlé. 1989. "Demarginalizing the Intersection of Race and Sex: A Black Feminist Critique of Antidiscrimination Doctrine, Feminist Theory, and Antiracist Politics."

University of Chicago Legal Forum 1: Article 8.

Dei, G. and Johal, G. (eds.) (2005). *Critical issues in anti-racist research methodologies: An introduction*. New York: Peter Lang.

Denzin, N. K., Lincoln, Y. S., & Smith, L. T. (Eds.). (2008). *Handbook of critical and indigenous methodologies*. California: Sage.

Evans, M. et al. (2009). Common Insights, Differing Methodologies: Toward a Fusion of Indigenous Methodologies, Participatory Action Research, and White Studies in an Urban Aboriginal Research Agenda. *Qualitative Inquiry* 15.5 (May 2009): 893-910.

Ghaziani, A., & Brim, M. (2019). *Imagining queer methods*. New York: New York University Press.

Ghorashi, Halleh. 2005. "When Boundaries are Blurred: The Significance of Feminist Methods in Research." *European Journal of Women's Studies*, 12(3): 363-375.

Held, M. B. (2019). Decolonizing research paradigms in the context of settler colonialism: An unsettling, mutual, and collaborative effort. *International Journal of Qualitative Methods*, 18, 1-16.

Hunter, Margaret. 2002. "Rethinking Epistemology, Methodology and Racism: Or, Is White Sociology Really Dead?" *Race and Society*, 5: 2, 119-138.

Nicholls, Ruth. 2009. "Research and Indigenous Participation: Critical Reflexive Methods." *International Journal of Social Research Methodology*, 12(2), 117-126.

Parker, Laurence and Marvin Lynn. 2002. "What's Race Got to Do With It? Critical Race Theory's Conflicts with and Connections to Qualitative Research Methodology and Epistemology." *Qualitative Inquiry*, 8(1), 7-22.

Pidgeon, M. (2019). Moving between theory and practice within an indigenous research paradigm. *Qualitative Research*, 19(4), 418-436. doi:10.1177/1468794118781380

Said, E. (1989). Representing the colonized: Anthropology's interlocutors. *Critical Inquiry*, 15(2), 205-225.

Smith, L. T. (2021). *Decolonizing methodologies: Research and indigenous peoples*. Zed Books Ltd.

Steinhauer, Evelyn. 2002. "Thoughts on an Indigenous Research Methodology." *Canadian Journal of Native Education*, 26(2), 69-81.

6. Post Qualitative Inquiry (1 book chapter, 11 articles)

Students must choose at least three readings from the list below.

Augustine, S. M. (2014). Living in a Post-Coding World: Analysis as Assemblage. *Qualitative Inquiry*, 20(6), 747–753. *Qualitative Inquiry: Qualitative Data Analysis After Coding*, Volume 20 Issue 6, July.

Barad, Karen. (2003). Posthumanist performativity: Toward an understanding of how matter comes to matter. *Journal of Women in Culture and Society* 2003, vol. 28, no. 3: 802.

Berbary, L. A., & Boles, J. C. (2014). Eight points for reflection: Revisiting scaffolding for improvisational humanist qualitative inquiry. *Leisure Science*, 36(5), 401–419.

Childers, Sara M. 2014. Promiscuous analysis in qualitative research. *Qualitative Research*, Vol. 20(6), 819-826.

Gwyther, G., & Possamai-Inesedy, A. (2009). Methodologies à la carte: An examination of emerging qualitative methodologies in social research. *International Journal of Social Research Methodology*, 12(2), 99-115. doi:10.1080/13645570902727680

Jackson, A. Y. (2017). Thinking without method. *Qualitative Inquiry*, 23(9), 666-674.

Lather, P. A., St. Pierre, E. A. (2013). Post qualitative research. *International Journal of Qualitative Studies in Education*, 26, 629-633.

Lather, P. (2016). Top ten + list: (Re)thinking ontology in (post)qualitative research. *Cultural Studies - Critical Methodologies*, 16(2), 125–131.

MacLure, Maggie. (2013). Researching without representation? Language and materiality in post-qualitative methodology. *International Journal of Qualitative Studies in Education*, Volume 26, 6: 658.

Ramazanoğlu, C. with Janet Holland. *Feminist methodology: challenges and choices*. Thousand Oaks, CA: Sage. Chapter 6 Researching 'others': feminist methodology and the politics of difference.

St. Pierre, E. A., Jackson, A. Y., Mazzei, L. (2016). New empiricisms and new materialisms: Conditions for new inquiry. *Cultural Studies-Critical Methodologies*, 16, 99-110.

St. Pierre, E.A. and Alecia Y. Jackson, (2014). Qualitative Data Analysis After Coding, pp. 715–719. *Qualitative Inquiry: Qualitative Data Analysis After Coding*, Volume 20 Issue 6, July.

7. Forms of Research Associated with Qualitative Inquiry

Students must select readings at least three readings from at least two sections below.

Arts-Based Inquiry (1 book, 4 book chapters, 4 articles)

Berbary, L. A. (2011). Poststructural Writerly Representation: Screenplay as Creative Analytic Practice. *Qualitative Inquiry*, 17(2).

Finley, S. (2007). Arts-based research. In Knowles, J. G., & Cole, A. L. (Eds.), *Handbook of the arts in qualitative research: perspectives, methodologies, examples, and issues* (pp. 71-81). Sage Publications.

Leavy, P. (2015). *Method meets art: Arts-based research practice*. The Guilford Press.

Leggo, C. (2007). Astonishing Silence: Knowing in Poetry. In J. G. Knowles & A. L. Cole (Eds.), *Handbook of the arts in qualitative research: Perspectives, methodologies, examples, and issues*. SAGE Publications.

MacDonald, S., & Wiens, B. I. (2019). Mobilizing the “Multimangle”: Why new materialist research methods in public participatory art matter. *Leisure Sciences*, 41(5), 366-384.

Qwo-Li Driskill. "Mothertongue: Incorporating Theatre of the Oppressed into Language Restoration Movements." In *Nurturing Native Languages*. Eds. Jon Reyhner, Octaviana V. Trujillo, Roberto Luis Carrasco, and Louise Lockard. Flagstaff: Northern Arizona University, 2003. 155-163.

Richardson, L. (2002). Poetic representation of interviews. In J. Gubrium & J. A. Holstein (Eds.), *Handbook of interview research: Context and method* (pp. 877-892). Thousand Oaks: Sage.

Springgay, Irwin. "A/r/tography as Living Inquiry Through Art and Text." *Qualitative Inquiry* 11.6 (2005): 897–912. Web.

Whitworth, L. (2019). Goodbye gauley mountain, hello eco-camp: Queer environmentalism in the anthropocene. *Feminist Theory*, 20(1), 73-92. doi:10.1177/1464700118788684

Ethnography (5 books, 3 articles)

Blix, Stina Bergman and Asa Wettergren. 2015. "The Emotional Labour of Gaining and Maintaining Access to the Field." *Qualitative Research*, 15(6), 688-704.

Burawoy, Michael, et al. (2000). *Global ethnography: Forces, connections, and imaginations in a postmodern world*. Univ of California Press.

Ellis, Carolyn, and Tony E. Adams. 2014. The purposes, practices and principles of autoethnographic research. In Leavy, P. (ed.) *Oxford Handbook of Qualitative Research*. Oxford: Oxford University Press.

Emerson, Robert M., Fretz, Rachael I., and Shaw, Linda L. (1995). *Writing Ethnographic Fieldnotes*. Chicago: University of Chicago Press.

Hammersley, M. and Atkinson, P. (2019). *Ethnography Principles in Practice*. Routledge.

Schindler, L., & Schäfer, H. (2021). Practices of writing in ethnographic work. *Journal of Contemporary Ethnography*, 50(1), 11-32.

Van Maanen, John (1988). *Tales of the Field: On Writing Ethnography*. Chicago: University of Chicago Press.

Whyte, W.F. (1943). *Street Corner Society*. University of Chicago Press: Chicago.

Grounded Theory (3 books, 1 book chapter, 2 articles)

Charmaz, K., & Belgrave, L. (2012). Qualitative interviewing and grounded theory analysis. *The SAGE handbook of interview research: The complexity of the craft*, 2, 347-365.

Clarke, A. E., Friese, C., & Washburn, R. (2016). *Situational analysis in practice: Mapping research with grounded theory*. Routledge.

Glaser, B. G. and Strauss, A. (1967). *The Discovery of Grounded Theory*. Chicago: Aldine Publishing.

Strauss, Ansem. L. and Juliet Corbin.1998. *Basics of Qualitative Research: Grounded Theory Procedures and Techniques*. Thousand Oaks, CA: Sage Publications.

Suddaby, Roy. (2006), From the editors: What grounded theory is not. *Academy of Management Journal* 49(4): 633-642.

Walsh et al. 2015. What grounded theory is....A critically reflective conversation among scholars. *Organizational Research Methods*. 18(4): 581-599.

Narrative Analysis (2 books, 2 book chapters, 3 articles)

Bischoping, K., & Gazso, A. (2015). *Analyzing talk in the social sciences: Narrative, conversation and discourse strategies*. Sage.

Labov, W., & Waletzky, J. (1967). Narrative analysis. In J. Helm (Ed.), *Essays on the verbal and visual arts* (pp.12-44). Seattle: University of Washington Press.

McCormack, C. (2004). Storying stories: a narrative approach to in-depth interview conversations. *International journal of social research methodology*, 7(3), 219-236.

Polkinghorne, D. E. (2007). Validity issues in narrative research. *Qualitative Inquiry*, 13(4), 471-486.

Ricoeur, P. (1984). *Time and narrative (Vol. 1)*. Chicago, IL: Chicago University Press.

Richardson, L. (1990). Narrative and sociology. *Journal of contemporary ethnography*, 19(1), 116-135.

Riessman, C. K. (2005). Narrative analysis. In N. Kelly, C. Horrocks, K. Milnes, B. Roberts, & D. Robinson (Eds.), *Narrative, memory, & everyday life* (pp. 1-7). Huddersfield, UK: University of Huddersfield Press.

Institutional Ethnography (4 books, 1 book chapter, 2 articles)

Campbell, M., & Gregor, F. (2002). *Mapping social relations: A primer in doing institutional ethnography*. University of Toronto Press.

Devault, M. and McCoy, L. (2004). Institutional ethnography: Using interviews to investigate ruling relations. In Gubrium, Jaber, F. and Holstein, James, A. (Eds.) *Handbook of interview research: Context and method*. Pp. 751-776. Thousand Oaks: Sage Publications.

Luken, P. C., & Vaughan, S. (Eds.). (2021). *The Palgrave Handbook of Institutional Ethnography*. Palgrave Macmillan.

Mykhalovskiy, E., & McCoy, L. (2002). Troubling ruling discourses of health: Using institutional ethnography in community-based research. *Critical public health*, 12(1), 17-37.

Smith, Dorothy (1987). *The Everyday World as Problematic*. Boston: Northeastern University Press.

Smith, Dorothy (2005). *Institutional Ethnography: A Sociology for People*. Rowman: Alta Mira.

Smith, G. Political activist as ethnographer. 1990. *Social Problems*. 37(4): 629-648.

Discourse and Text Analysis (4 books, 2 book chapters, 1 article)

Fairclough, N. (2003). *Analysing discourse: Textual analysis for social research*. New York: Routledge.

Fairclough, N., & Wodak, R. (1997). Critical discourse analysis. In T.A. van Dijk (Ed.), *Discourse studies: A multidisciplinary introduction, Vol. 2, Discourse as social interaction* (pp. 258-284). London, UK: Sage.

Foucault, M. (1978). *The history of sexuality. Vol. 1: An introduction.* (R. Hurley, Trans.). New York, NY: Vintage Books.

Gee, J. P. (1999). *Introduction to discourse analysis: Theory and method.* New York, NY: Routledge.

Mills, S. (2004). *Discourse.* New York, NY: Routledge.

Van Dijk, Teun (1993). Principles of critical discourse analysis, *Discourse and Society*, 4(2), 249-283.

Wodak, Ruth and Michael Meyer (2016). Critical Discourse Studies: History, Agenda, Theory and Methodology, in Ruth Wodak and Michael Meyer, *Methods of Critical Discourse Studies (Third Edition)*, SAGE Publications, 1-22.

Participatory Action Research and Community-based Research (3 books, 2 book chapters 6 articles)

Banks, S., Armstrong, A., Carter, K., Graham, H., Hayward, P., Henry, A., Holland, T., Holmes, C., Lee, A., McNulty, A. & Moore, N. (2013). Everyday ethics in community-based participatory research. *Contemporary Social Science*, 8(3), 263-277.

Cornwall, A., & Jewkes, R. (1995). What is participatory research?. *Social science & medicine*, 41(12), 1667-1676.

Evans, Mike, Rachelle Hole, Lawrence D. Berg, Peter Hutchinson and Dixon Sookraj. 2009. "Common Insights, Differing Methodologies: Toward a Fusion of Indigenous Methodologies, Participatory Action Research, and White Studies in an Urban Aboriginal Research Agenda." *Qualitative Inquiry*, 15(5), 893-910.

Freire, P. (2018) *Pedagogy of the Oppressed.* New York: Bloomsbury. (or earlier editions)

Frisby, Wendy, Colleen J. Reid, Sydney Millar, and Larena Hoeber. 2005. "Putting 'Participatory' Into Participatory Forms of Action Research." *Journal of Sport Management*, 19, 367-386.

Gatenby, Bev and Maria Humphries. 2000. "Feminist Participatory Action: Methodological and Ethical Issues." *Women's Studies International Forum*, 23(1): 89-105.

Israel BA, Schulz AJ, Parker EA, Becker AB, Allen A, Guzman JR. (2003). Critical issues in developing and following community-based participatory research principles. In M. Minkler and N. Wallerstein (Eds). *Community-Based Participatory Research for Health*. San Francisco Jossey-Bass, Pp. 56–73.

Muhammad, M., Wallerstein, N., Sussman, A.L., Avila, M., Belone, L. & Duran, B. (2015). Reflections on researcher identity and power: The impact of positionality on community based participatory research (CBPR) processes and outcomes. *Critical Sociology*, 41(7-8), 1045-1063.

Minkler, M. 2012. *Community Organizing and Community Building for Health and Welfare*, edited by Meredith Minkler, Rutgers University Press, 2012. ProQuest Ebook Central, <https://ebookcentral.proquest.com/lib/york/detail.action?docID=988156>.

Silverman, R. M., and Patterson, K. L. (2015). *Qualitative research methods for community development*. Routledge.

Stoecker, Randy. 2016. "The Community Development Context of Research", pp. 47-74 in *Research Methods for Community Change: A Project-Based Approach*, Los Angeles: Sage.

Interview Methods (4 books, 2 book chapters, 2 articles)

Best, Amy L. 2003. "Doing Race in the Context of Feminist Interviewing: Constructing Whiteness Through Talk." *Qualitative Inquiry*, 9(6), 895-914.

Brinkmann, S. and S. Kvale. (2018). *Doing interviews*. Thousand Oaks: Sage, 2018.

Devault, M. L. & Gross, G. (2011). Feminist Interviewing: Experience, Talk and Knowledge. In Nagy Hesse, Sherlene (Ed.) *Handbook of Feminist Research: Theory and Praxis*, Pp. 173-193. California: Sage.

Esterberg, Kristin (2002). "Interviews." In Kristin Esterberg *Qualitative Methods in Social Research*. Boston: McGraw Hill, 83-114.

Gubrium, J. F. & James A. Holstein (2001). *Handbook of interview research: Context & method*. Thousand Oaks: Sage, 2001.

Lamont, M., & Swidler, A. (2014). Methodological pluralism and the possibilities and limits of interviewing. *Qualitative Sociology*, 37(2), 153-171.

Mishler, Elliot (1991). *Research Interviewing: Context and Narrative*. Cambridge: Harvard University Press

Weiss, R.S. (1995). *Learning from strangers: The art and method of qualitative interview studies*. New York: Simon and Schuster.