<u>APPENDICES</u>

Appendix one (1): Letter of Contact

Appendix two (2): Information sheet

Appendix three (3): Consent Form

Appendix one (1)

Mr Alan Barnard
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The Centre for Applied Environmental and
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Dear   ,

Thankyou for agreeing to participate in a research project on technology. I have included with this letter a copy of a consent form, and some general information about the project. Please read the information sheet and consent form prior to our meeting, but do not sign the consent form until we meet. You will be asked to participate in an interview that will be approximately one hour in duration. The interview will be audiotaped. Prior to beginning the interview further information will be shared with you and you will be able to ask any questions.

I will phone you to set up a suitable time for us to meet and conduct the interview.

Once again I would like to thank you for agreeing to participate in this research project and look forward to meeting you.

Yours Sincerely

Alan Barnard RN BA MA

QUEENSLAND UNIVERSITY OF TECHNOLOGY

RESEARCH PROJECT: CONCEPTIONS OF THE IMPACT OF TECHNOLOGY ON SURGICAL NURSING PRACTICE

INFORMATION SHEET:

The main objective of the research is to examine the way registered nurses experience and think about technology in relation to their practice. I am asking numerous registered nurses of varied experience to volunteer for the project.

YOUR INVOLVEMENT:

You will be asked to participate in *one (1) interview*. The interview will include questions about your nursing practice, technology and the development of nursing. The interview is not a test and the researcher is not seeking correct answers. The aim is to allow you to express your opinion and to provide feedback to a number of questions that will arise during the interview.

Participation in the research project is voluntary.

Depending upon arrangements, the interview may take place in the grounds of your work place or at a convenient location.

There are no direct advantages for participating in the project. However, the research may result in improved understanding and practice of nursing. I will contact you and will be happy to answer any questions you may have about the project.

RESEARCHER: *Alan Barnard, Phone: (07) 864 2111*

CONSENT FORM

Title of Research Project:
Understanding technology in contemporary surgical nursing: A phenomenographic examination

Name of Researcher:
Mr Alan Barnard

I agree to participate in the above named project and in so doing acknowledge that:

1. I have read the attached Information Sheet outlining the nature and purpose of the project and the extent of my involvement, and have had these details explained to me. I have had the opportunity to ask further questions and am satisfied that I understand.

2. I have been informed as to the nature and extent of any risk to my health or well being.

3. I have been informed that my refusal to consent to participate in the study will not affect in any way my employment or reputation as a registered nurse.

4. I have been informed that I may withdraw from the project at my request at any time and that this decision will not affect in any way my employment or reputation as a registered nurse.

6. I have been advised that the Director of Nursing and hospital authorities has given approval for this research to proceed.

7. I am aware that I may request further information about the research as it proceeds.

I understand that, in respect of any information obtained during the course of the research, confidentiality will be maintained, and that in the event of any results of the research being published, I will not be identified in any way.

DATE:

....

INTERVIEWEES NAME:

....   *(Signature)................ ....*

REFERENCE LIST

Abbey, J. C. (1978). Bio-instrumentation: twentieth century slave. Nursing Clinics of North America, 13(4), 631-640.

Abel-Smith, B. (1960). A history of the nursing profession. London: Heinemann.

Adams, G. A. (1986). Computer technology: its impact on nursing practice. Nursing Administration Quarterly, 10(2), 21-33.

Alexander, J. W. & Randolph, A. W. (1985). The fit between technology and structure as a predictor of performance in nursing subunits. Academy of Management Journal, 28(4), 844-859.

Allan, J. D. & Hall, B. A. (1988). Challenging the focus on technology: a critique of the medical model in a changing health care system. Advances in Nursing Science, 10(3), 22-34.

Alexandersson, C. (1981). Amaedeo Giorgi's empirical phenomenology. Sweden: Department of Education. University of Goteborg.

Anello, M. (1970). Challenge of change in society for nursing. Bulletin of Massachusetts Nurses Association, 39, 4-8.

Ashworth, P. (1987). Technology and machines - bad masters but good servants. Intensive Care Nursing, 3, 1-2.

Backe, M., Larsson, K. & Fridlund, B. (1996). Patients' conceptions of their life situation within the first week after a stroke event: a qualitative analysis. Intensive and Critical Care Nursing, 12(5), 285-294.

Bailey, D. (1969). Nursing in transition. International Nursing Review, 18(1), 59-65.

Bailey, D. R. (1988). Computer applications in nursing. Computers in Nursing, 6(5), 199-203.

Baker, J. (1997). Phenomenography: an alternative approach to researching the clinical decision-making of nurses. Nursing Inquiry, 4(1), 41-47.

Baly, M. E. (1986). Florence Nightingale and the nursing legacy. London: Croom Helm.

Barnard, A. (1994). Conceptions of technology within surgical nursing: work in progress. Paper presented at the Phenomenography: Philosophy and Practice Conference, Brisbane, Australia.

Barnard, A. (1996a). Technology and nursing: an anatomy of definition. International Journal of Nursing Studies, 33(4), 433-441.

Barnard, A. (1996b). Technology and aged care: some reflections on the concept of progress. Paper presented at the Geriaction National Conference, Brisbane, Australia.

Barnard, A. (1997). A critical review of the belief the technology is a neutral object and nurses are its master. Journal of Advanced Nursing, 26(1), 126-131.

Barnard, A., McCosker, H. & Gerber, R. (1998). Phenomenography: a qualitative research approach for exploring understanding in health care. Qualitative Health Research. (In Press).

Barnhart, C.L. & Barnhart, R. K. (Ed.). (1994). The world book dictionary. United States of America: Scott Fettzer.

Battistello, R. M. (1976). The right to adequate health care. Nursing Digest, 4, Jan - Feb, 12-18.

Baumgart, A. J. & Larsen, J. (Ed.). (1988). Canadian Nursing Faces the Future: Development and Change. ST Louis: Mosby.

Bennett, I. L. (1977). Technology as a shaping force. In J. H. Knowles. (Ed.). Doing better and feeling worse: health in the United States (pp. 125-134). New York: Norton and Company.

Bennett, L. R. (1970). This I believe... that nurses may become extinct. Australian Operating Room Journal, 11(4), 57-63.

Berthold, J. S. (1969). Advancement of science and technology while maintaining human rights and values. Nursing Research, 18(6), 514-521.

Birckhead, L. M. (1978). Nursing and the technotronic age. Journal of Nursing Administration, 8, 16-19.

Bongartz, C. (1988). Computer orientated patient care. Computers in Nursing, 6(5), 204-210.

Borgmann, A. (1984). Technology and the character of contemporary life: a philosophical inquiry. Chicago: University of Chicago Press.

Boss, B. J. (1989). Presidential address: specialty nursing. Journal of Neuroscience Nursing, 21(4), 213-215.

Braun, J. L., Baines, S. L., Olson, N. G., Scruby, L. S., Manteuffel, C. A., & Cretilli, P. K. (1984). The future of nursing: combining humanistic and technological values. Health Values: Achieving High Level Wellness, 8(3), 12-15.

Briggs, D. (1991). Critical care nurses' roles - traditional or expanded/extended. Intensive Care Nursing, 7, 223-229.

Brinkman, D. (1971). Technology as philosophic problem. Philosophy Today, 15(2), 122-128.

Brown, B. (1985). From the editor. Nursing Administration Quarterly, 9(4), iv-v.

Brown, J. (1992). Nurses or technicians? The impact of technology on oncology nursing. Canadian Oncology Nursing Journal, 2(1), 12-17.

Bruce, C. S. (1992). The distinctiveness of a phenomenographic interview. Notes for the Phenomenographic Interest Group. Queensland University of Technology. Unpublished manuscript.

Brunt, H. J. (1985). An exploration of the relationship between nurses empathy and technology. Nurse Administration Quarterly, 9(4), 69-78.

Buick-Constable, B. (1969). Technological change: challenge to the professional nursing association. The New Zealand Nursing Journal, 62,(8), 5-7.

Calne, S. (1994). Dehumanisation in intensive care. Nursing Times, 90(17), 31-33.

Carnevali, D. L. (1985). Nursing perspectives in health care technology. Nursing Administration Quarterly, 9, 10-18.

Carpenter, M. (1977). The new managerialism and professionalism in nursing. In M. Stacey., M. Reid., C. Heath. & R. Dingwall. (Ed.). Health and the division of labour (pp.165-195). London: Croom Helm.

Castledine, G. (1995). Issues for nursing in 1995, British Journal of Nursing, 4(1), 45.

Christman, L. (1970). What the future holds for nurses. Nursing Forum, 9(1), 13-18.

Chustman, L. (1978). Moral dilemmas for practitioners in a changing society. Nursing Digest, 6, Summer, 47-49.

Clarke, L. (1995). Nursing research: science, visions and telling stories. Journal of Advanced Nursing, 21, 584-593.

Clark, N. (1968). Automation as it affects the general nurse and her patients. The Australian Nurses Journal, 5, 104-106.

Clifford, C. (1986). Patients, relatives and nurses in a technological environment. Intensive Care Nursing, 2, 67-72.

Conley, V. L. (1961). The role of the nurse in an automatized hospital. Journal of the International College of Surgeons, 36(6), 820-824.

Cooper, H. (1977). Is the patient a guinea pig. South African Nursing Journal, 44(2), 23-24.

Cooper, M. C. (1993). The intersection of technology and care in the ICU. Advances in Nursing Science, 15(3), 23-32.

Cotgrove, S. (1982). Catastrophe or cornucopia: the environment, politics and the future. New York: John Wiley.

Curtin, L. L. (1978). Human values in nursing. Supervisor Nurse, 9(3), 21-25, 29-33.

Dahlgren, L. O. (1979). Effects of children's conceptions of price as a function of question asked. Report No 81 Gothenberg: University of Gothenberg, Institute of Education.

Dahlgren, L. O. & Fallsberg, M. (1991). Phenomenography as a qualitative approach in social pharmacy research. Journal of Social and Administrative Pharmacy, 8(4), 150-156.

D'A Slevin, O. (1993). Facing the future: credibility in a changing world. Nurse Education Today, 13(4), 241-249.

DeBono, E. (1971). Technology today. London: Routledge & Kegan Paul.

Dennison, C. (1942). Maintaining the quality of nursing service in the emergency. American Journal of Nursing, 42(7), 3-4.

Dock, L. L., & Stewart, I. M. (1925). A short history of nursing. New York: Putmans.

Donahue, M. P. (1985). Nursing: the finest art. An illustrated history. St Louis: Mosby.

Donley, R. (1991). Spiritual dimensions of health care: nursing mission. Nursing & Health Care, 12(4), 178-183.

Drought, T. S. & Liaschenko, J. (1995). Ethical practice in a technological age. Critical Care Nursing Clinics of North America, 7(2), 297-304.

Drucker, P. F. (1967). Technological trends in the twentieth century. In M. Kranzberg., & C. W. Pursell. (Eds.). Technology in western civilisation, (Volume II) (pp.10-21). London: Oxford University Press.

Dunphy, D. C. (1985). Technological change and its impact on industrial democracy. Work and People, 11(2), 17-20.

Edelstein, R. R. (1966). Automation: its effect on the nurse. American Journal of Nursing, 66(10), 2194-2198.

Ellul, J. (1958). Modern myths. Diogenes, 9, 23-40.

Ellul, J. (1963). The technological order. In C. F. Stover (Ed.). The technological order. Detroit: Wayne State University Press.

Ellul, J. (1964). The technological society. New York: Alfred A Knopf.

Ellul, J. (1968). A Critique of the new common places. New York: Alfred A. Knopf.

Ellul, J. (1973). The new demons. New York : Seabury.

Ellul, J. (1980). The technological system. New York: Continuum.

Ellul, J. (1990). The technological bluff. New York: Continuum.

Entwistle, N. (1997). Introduction: phenomenography in higher education. Higher Education Research & Development, 16(2), 127-134.

Fagerhaugh, S., Strauss, A., Suczek, B. & Weiner, C. (1980). The impact of technology on patients, providers, and care patterns. Nursing Outlook, 28(11), 666-672.

Farlee, C. (1978). The computer as a focus of organisational change in the hospital. Journal of Nursing Administration, 8(2), 20-26.

Farmer, E. (1978). The impact of technology on nursing. Nursing Mirror, 147(3), 17-20.

Fitter, M. (1987a). The impact of new technology on workers and patients in the health services: (physical and psychological stress). Luxembourg: Office for Official Publications of the European Communities.

Fitter, M. (1987b). The impact of new technology on nurses and patients. In R. Payne, & J. Firth-Cozens. (Eds.). Stress in health professions (pp.211-229). London: John Wiley and Sons.

Folta, J. R. (1973). Humanization of services and the use of technology in health care. The Hong Kong Nursing Journal, 15(11), 35-39.

Frances, R. (1948). Where is the head nurse: artists conceptions. American Journal of Nursing, 48, 156-157.

Gaudinski, M. A. (1979). Coping With expanding nursing practice, knowledge, and technology. Aviation, Space, and Environmental Medicine, 10, 1073-1075.

Gendron, B. (1977). Technology and the human condition. New York: St Martins Press.

Gerber, R. (1992). Technology education: an emerging component in geographical education. In A. Hill. (Ed.). International perspectives on geographical education. (pp.283-298). Chicago: Rand McNally.

Gerber R. (1994a). Variations in the Experience of Pre-service Geographical Educators. Geographical Education, 7(2), 26-33.

Gerber, R. (1994b). A sense of quality-qualitative research approaches for geographical education. In H. Jager. (Ed.). Liber Amicorum Gunter Niemz (pp.38-51). Frankfurt am Main: Goethe University Press.

Gerber, R., Ottosson, T., Boulton-Lewis, G., Bruce, C. & Aberg-Bengtsson, G. (1993). Towards an understanding of how children understand graphic representations of quantitative data. Paper presented at the 5th Earli Conference, Aix-En-Provence, France.

Gerber, R., Boulton-Lewis, G. & Bruce (1995). Children's understandings of graphic representations of quantitative data. Learning and Instruction, 5, 77-100.

Gillam, R. (1969). Facing reality in nursing, 1969. In R. Gillam. (Ed.). Progress or retrogression? Realities in nursing. Sydney: N.S.W College of Nursing.

Giuffra, M. J. (1980). Humanistic nursing in a technological society. Journal of the New York State Nurses Association, 11(1), 17-22.

Given, C. & Given, B. (1969). Automation and technology: a key to professional care. Nursing Forum, 8(1), 74-76.

Golonka, L. (1986). Trends in health care and use of technology by nurses. Medical Instrumentation, 20(1), 8-10.

Gordon, S. (1992). The importance of being nurses. Technology Review, 95(7), 42-51.

Goshen, C. A. (1972). Your Automated Future. American Journal of Nursing, 72(1), 62.

Handy, C. M. (1989). Patient centred high-technology home care. Holistic Nursing Practice, 3(2), 46-53.

Harding, S. (1980). Value laden technologies and the politics of nursing. In S. F. Spicker., & S. Gadow. (Eds.). Nursing: images and ideals (pp.49-75). New York: Springer.

Harding - Price, D. (1990). Technology and the CPN. Nursing, 4(10), 16-18.

Harvey, J. (1985). Living between life and death. New Society, 74(1192), 233-236.

Hawthorne, D. L. & Yurkovich, N. J. (1995). Science, technology, caring and the professions: are they compatible?. Journal of Advanced Nursing, 21(6), 1087-1091.

Henderson, V. (1980). Preserving the essence of nursing in a technological age. Journal of Advanced Nursing, 5(3), 245-260.

Henderson, V. (1985). The essence of nursing in high technology. Nursing Administration Quarterly, 9(4), 1-9.

Henry, B. M. (1982). Automation and staff nurses' patient management activities. Nursing Administration Quarterly, 7(1), 69-76.

Heidegger, M. (1977). The question concerning technology and other essays. New York: Garland.

Hepworth, S. & Fitter, M. (1981). Nurses' attitudes to computers in hospitals. Memo No. 419, MCR/ESCR, Social and Applied Psychology Unit. United Kingdom: University of Sheffield.

Hiraki, A. (1992). Tradition, rationality, and power in introductory nursing textbooks: a critical hermeneutics study. Advanced Nursing Science, 14(3), 1-12.

Hood, W. F. (1972). The Aristotelian versus the Heideggerian approach to the problem of technology. In C. Mitcham., & R. Mackey. (Eds.). Philosophy and technology (pp.347-363). New York: The Free Press.

Huether, S. E. (1978). Biomedical instrumentation and the nurse practitioner. Nursing Clinics of North America, 13(4), 561-571.

Huxley, A. (1932). Brave New World. U.S.A: Chatto & Windus.

Ihde, D. (1991). Instrumental Realism. Bloomington: Indiana University Press.

Illich, I. (1973). Tools for Conviviality. New York: Harper & Row.

Illich, I. (1976). Limits to medicine. London: Calder & Boyars.

Ingersoll, G. L., Hoffart, N. & Schultz, A. W. (1990). Health services research in nursing: current status and future directions. Nursing Economics, 8(4), 229-238.

Jacox, A., Pillar, B. & Redman, B. K. (1990). A classification of nursing technology. Nursing Outlook, 38(2), 81-85.

James, E. (1983). Carving out a professional future. Nursing Mirror, 156(18), 32-33.

Jamieson, E. M. (1966). Trends in nursing history: their social international and ethical relationships. Philadelphia: Saunders.

Jenkins, A. C. (1966). Successful cardiac monitoring. Nursing Clinics of North America, 1(4), 537-547.

Jenkins, C. (1988). Automation improves nursing productivity. Computers in Health Care, 9(4), 40-41.

Joachim, G. (1988). Harnessing technology. The Canadian Nurse, 84(16), 14-16.

Johnson, B. G. (1974). Keeping the balance between technical and basic nursing care. Nursing Mirror, 139(11), 63-66.
Jones, B. (1982). Sleepers wake: technology and the future of work. Melbourne: Oxford University Press.

Katz, F. M., Mathews, K., Pepe, T. & White, R. H. (1976). Stepping out: nurses and their new roles. Kensington: New South Wales University Press.

Kelly, L. S. (1984). High tech/high touch - now more than ever. Nursing Outlook, 32(1), 15.

Kelman, H. C. (1973). Violence without moral restraint: reflections on the dehumanization of victims and victimizers. Journal of Social Issues, 29(4), 25-61.

Koestler, A. (1964). The act of creation. London: Arkana.

Kranzberg, M. & Pursell, C. W. (1967). Technology in western civilisation. (Volume II). London: Oxford University Press.

Kristensen, P. G. (1989). The impact of technology: protection in Norway and Denmark. International Nurses Review, 36(2),43-46.

Kvale, S. (1983). The qualitative research interview; a phenomenological and a hermeneutic mode of understanding. Journal of Phenomenological Psychology, 14, 171-196.

Kwan, T. & Gerber, R. (1994). A phenomenographical approach to the study of pre-adolescents, use of maps in a wayfinding exercise in a suburban environment. Paper presented to the Phenomenography: philosophy and practice conference. Brisbane, Australia.

Laing, G. (1982). The impact of technology on nursing. Medical Instrumentation, 16(5), 241-242.

Landes, D. S. (1969). The unbound Prometheus: technological change and industrial development in western europe from 1750 to the present. Cambridge: Cambridge University Press.

Leach, M. (1990). How to make use of technology. Nursing, 44(10), 7-12.

Leatt, P. & Schneck, R. (1981). Nursing subunits technology: a replication. Administrative Science Quarterly, 26(6), 225-236.

Lenihan, J. M. A. & Abbey, J. C. (1978). Symbiosis: nursing and the bioengineer. Nursing Clinics of North America, 13(4), 589-595.

Lewandowski, L. A. & Kositsky, A. M. (1983). Research priorities for critical care nursing: a study by the American Association of Critical Care Nurses. Heart & Lung, 12(1), 35-44.

Lian, W. A. (1984). How do we give quality nursing care in this age of modern technology. The Nursing Journal of Singapore, 24, 21-26.

Lybeck, L., Marton, F., Stromdahl, H. & Tullberg, A. (1988). The phenomenography of the 'mole concept' in chemistry. In P. Ramsden. (Ed.). Improving learning: new perspectives (pp.81-108). London: Kogan Page.

Maggs, C. J. (1983). The origins of general nursing. London: Croom Helm.

Maggs, C. J. (1987). A nursing history: a state of the art. Sydney: Croom Helm.

Maloney, J. (1968). The challenge of change. AORN Journal, 8, 38-43.

Mander, J. (1978). Four arguments for the elimination of television. New York: William Morrow and Company.

Marton, F. (1981). Phenomenography - describing conceptions of the world around us. Instructional Science, 10, 177-200.

Marton, F. (1986). Phenomenography - a research approach to investigating different understandings of reality. Journal of Thought, 21(3), 28-49.

Marton, F. (1988a). Phenomenography and "the art of teaching all things to all men". Fenomenografiska notiser 8: Institutonen for pedagogik. Goteborgs Universitet.

Marton, F. (1988b). Phenomenography: exploring different conceptions of reality. In D. Fetterman. (Ed.). Qualitative approaches to evaluation in education: the silent revolution (pp. 176-205). New York: Praeger.

Marton, F. (1992a). Notes on ontology. Unpublished manuscript.

Marton, F. (1992b). Phenomenography. Unpublished manuscript.

Marton, F. (1995). Cognosco ergo sum: reflections on reflections. Nordisk Pedagogik, 15(3), 165-180.

Marton, F., Carlsson, M. A. & Halasz, L. (1992). Differences in understanding and the use of reflective variation in reading. British Journal of Educational Psychology, 62, 1-16.

Marton, F., Dall'alba, G. & Beaty, E. (1993). Conceptions of learning. International Journal of Educational Research, 19(3), 277-300.

Marx, L. (1975). Technology and the study of man. In R. W. Niblett. (Ed.). The sciences, the humanities and the technological threat (pp.1-20). London: University of London.

Mathew, K. V. (1976). Automation or humanisation?. Christian Nurse, 8, 9-12.
Mayberry, A. (1985). Nursing in future-high tech, high touch. In E. M. Williams. & M. Scott-Warner. The preparation and utilisation of new nursing graduates (pp.417-424). Colorado: Western Interstate Commission for Higher Education.

McClure, M. L. (1991). Technology - a driving force for change. Journal of Professional Nursing, 7(3), 144.

McConnell, E. A. (1990). The impact of machines on the work of critical care nurses. Critical Care Nursing Quarterly, 12(4), 45-52.

McConnell, E. A. and Murphy, E. K. (1990). Nurses use of technology: an international concern. International Nursing Review, 37(5), 331-334.

McConnell, E. A. (1991). Key issues of devise use in nursing practice. Nursing Management, 22(11), 32-33.

McCosker, H. M. (1995). Women's Conceptions of Domestic Violence During the Childbearing years. Masters Thesis, Queensland University of Technology, Brisbane, Australia.

Mesthene, E. G. (1970). Technological change: its impact on man and society. Massachusetts: Harvard University Press.

Miaskowski, C. (1990). The future of oncology nursing. Nursing Clinics of North America, 25(2), 461-473.

Miele, A. R. (1970). Health Care planning - The Now View. AORN Journal, 12(8), 63-65.

Miller, J. (1969). Evolution, revolution or renaissance?. AORN Journal, 9(6), 52-55.

Mishler, E. G. (1986). Research interviewing context and narrative. Cambridge: Harvard University Press.

Mitcham, C. (1989). In search of a new relation between science, technology, and society. Technology and society, 11, 409-417.

Mitcham, C. (1990). Three ways of being with technology. In G. L. Ormiston. (Ed.). From artifact to habitat: Studies in the critical engagement of technology (pp.31-59). Toronto: Associated University Press.

Mitcham, C. & Mackey, R. (1971). Jacques Ellul and the technological society. Philosophy Today, 15(2), 102-121.

Mitcham, C., Mackey, R. (1972). Introduction: Technology as a Philosophical Problem. In C. Mitcham. & R. Mackey. (Eds.). Philosophy and Technology (pp.1-30). London: Macmillan. Moloney, J. V. (1968). The trouble with patient monitoring. Annals of Surgery, 168(10), 605-619.

Mooney, C. W. (1956). What Automation Can't Do. Supervisory Management,2, 54-55.

Mumford, L. (1934). Technics and civilisation. New York: Harcourt Brace.

Mumford, L. (1968). The myth of the machine. New York: Harcourt Brace Joanovich.

Neville-Sington, P. & Sington, D. (1993). Paradise dreamed: how utopian thinkers have changed the modern world. London: Bloomsbury.

Nordenbo, S. E. (1990). How do computer novices perceive information technology? A qualitative study based on a new methodology. Scandinavian Journal of educational Research, 34(1), 43-73.

Orem, D. (1991). Nursing: concepts of practice. St. Louis: Mosby.

Ortega Y Gassett, J. (1972). Thoughts on technology. In C. Mitcham. & R. Mackey. (Eds.). Philosophy and technology (pp.290-313). New York: The Free Press.

Overton, P., Schneck, R. and Hazlett, C. B. (1977). An empirical study of the technology of subunits. Administrative Science Quarterly, 22(6), 203-219.

Pacey, A. (1983). The culture of technology. Massachusetts: MIT Press.

Patton, M. Q. (1990). Qualitative evaluation and research methods (2nd ed.). Newbury Park, CA: Sage.

Paulen, A. (1984). High touch in a tech environment. Cancer Nursing, 7(6), 201.

Payton, R. J. (1984). Technology, changing relationships create modern dilemmas. AORN Journal, 39(1), 101-105.

Pearson, A. (1993). Nursing, technology and the human condition. Journal of Advanced Nursing, 18(2), 165-167.

Pellegrino, E. D. & Thomasma, D. C. (1981). A philosophical basis of medical practice. Oxford: Oxford University Press.

Pellegrino, E. D. (1961). Professional practice: the changing role of the professional nurse in the hospital. Hospitals, 35(24), 56-62.

Phillips, C. R. (1988). Rehumanising maternal-child nursing. Journal of Maternal-Child Nursing, 13(5), 313-314, 316, 318.

Pillar, B. & Jacox, A. (1990). Nursing and technology. Nursing Economics, 8(5), 342-344.

Pillar, B. & Jacox, A. (1991). The introduction of new technology on the nursing unit. Nursing Economics, 9(1), 50-51, 63.

Pinch, T. (1991). Book reviews. Technology and Culture, 32(10), 1140-1141.

Postman, N. (1992). Technology: the surrender of culture to technology. New York: Alfred A. Knopf.

Purcell, C. (1994). White heat: people and technology. London: BBC Publications.

Quivey, M. (1990). Advanced medical technology: finding the answers. International Nurses Review, 37(5), 329-330, 344.

Raatikainen, R. (1989). Values and ethical principles in nursing. Journal of Advanced Nursing, 14, 92-96.

Ramsden, P., Whelan, G., & Cooper, D. (1989). Some phenomena of medical students' diagnostic problem solving. Medical Education, 23, 108-117.

Ray, M. A. (1987). Technological caring: a new model in critical care. Dimensions of Critical Care Nursing, 6(3), 166-173.

Reed-Ash, C. (1983). The challenge of technology. Cancer Nursing, 6(10), 351.

Reily, D. E. & Behrens-Hanna, L. (1991). Perioperative nursing: moral and ethical issues in high-technology practice. Today's O.R. Nurse, 13(8), 10-15.

Reiser, S. J. (1978). Medicine and the reign of technology. Cambridge: Cambridge University Press

Renstrom, L., Andersson, B. & Marton, F. (1990). Students' conceptions of matter. Journal of Educational Psychology, 82(3), 555-569.

Reverby, S. M. (Ed.). (1982). Lamps on the prairie: a history of nursing in Kansas. New York: Garland.

Reverby, S. M. (1987). Ordered to care: the dilemma of American nursing, 1850 - 1945. New York: Cambridge University Press.

Roberts, M. M. (1954). American nursing: history and interpretation. New York: MacMillan.

Rosenberg, M., Reznikoff, M., Stroebel, C. F. & Ericson, P. R. (1967). Attitudes of nursing students towards computers. Nursing Outlook, 15(7), 44-46.

Rowan, R. L. (1966). Automation: its effect on the hospital. American Journal of Nursing, 66(10), 2199.

Salmon, B. (1969). Nursing in the age of automation. The New Zealand Nursing Journal, 62(12), 20-21.

Salmon, B. (1977). Look toward that mountain. The New Zealand Nursing Journal, 70(4), 17-21.

Saljo, J. (1988). Learning in educational settings: methods of inquiry. In P. Ramsden. (Ed.). Improving learning: new perspectives (pp.32-48). London: Kogan Page.

Saljo, R. (1994). Minding action - conceiving of the world versus participating in cultural practices. Nordisk Pedagogik, 2, 71-80.

Saljo, R. (1997). Talk as data and practice - a critical look at phenomenographic inquiry and the appeal to experience. Higher Education Research & Development, 16(2), 173-190.

Sandberg, J. (1991). Competence as intentional achievement: a phenomenographic study. Melbourne, Victoria: Educational research and Development Unit.

Sandberg, J. (1994). Human competence at work: an interpretive approach. Sweden: Goteborg.

Sandberg, J. (1997). Are phenomenographic results reliable?. Higher Education Research & Development, 16(2), 203-212.

Sandelowski, M. (1988). A case of conflicting paradigms: Nursing and Reproductive Technology. Advances in Nursing Science, 10(3), 35-45.

Sanford, C. L. (1967). Technology and culture at the end of the nineteenth century: The will to power. In M. Kranzberg. & C. W. Pursell. (Eds.). Technology in western civilisation. (pp.726-740). (Volume II). London: Oxford University Press.

Salyer, J. and Stuart, B. J. (1985). Nurse - patient interaction in the intensive care unit. Heart & Lung, 14(1), 20-24.

Seward, J. F. (1969). Professional practice in a bureaucratic structure. Nursing Outlook, 17(12), 58-61.

Shryock, R. H. (1959). The history of nursing, an interpretation of the social and medical factors involved. Philadelphia: W.B Saunders Company.

Simpson, H. M. (1964). The influence of professional nursing on the development of the modern hospital. In F. N. L. Poynter. (Ed.). The evolution of hospitals in Britain. (pp.245-254). London: Pitman.

Simpson, R. L. and Brown, L. N. (1985). High-touch / high-technology computer applications in nursing. Nursing Administration Quarterly, 9(4), 62-68.

Simpson, R. L. (1989). Technology and advanced nursing practice. Nursing Management, 23(8), 20-22.
Simpson, R. L. (1990). How to survive the next decade. Nursing Management, 21(12), 24-25.

Sinclair, V. (1988). High technology in critical care. Focus on Critical Care, 15(4), 36-41.

Sklair, L. (1971). The sociology of the opposition to science and technology: with special reference to the work of Jacques Ellul. Comparative Studies in Society and History, 13(4), 217-235.

Sotejo, J. V. (1971). Technological change and nursing, Academy of Nursing of the Philippines, 6, apr-jun, 4-13.

Starr, P. (1982). The social transformation of American medicine. New York: Basic Books.

Stephens, G. (1992). Technology and its affect on OR nursing. Canadian Operating Room Journal, 10(1), 6-7.

Stevens, B. J. (1985). Tackling a changing society head on. Nursing and Health Care, 6(1), 27-30.

Stewart, I. M. and Austin, A. L. (1962). A history of nursing. (Fifth Edition). New York: G. P. Putnam's Sons.

Strauss, A. (1968). The intensive care unit: its characteristics and social relationships. Nursing Clinics of North America, 3(1), 7-15.

Summerhayes, C. (1997). Conceptions of life after myocardial infarction. Masters Thesis, Queensland University of Technology, Brisbane, Australia.

Svensson, L. & Theman, J. (1983). The relation between categories of description and an interview protocol in a case of phenomenographic research. Report No 1983:02. Department of Education: University of Goteborg.

Svensson, L. (1984). Three approaches to descriptive research. Report No 1984:01. Department of Education: University of Goteborg.

Svensson, L. (1989). The conceptualisation of cases of physical motion. European Journal of Psychology of Education, 4(4), 529-545.

Svensson, L. (1994). Theoretical foundations of phenomenography. Paper presented to the phenomenography philosophy and practice conference. Brisbane, Australia.

Svensson, L. (1997). Theoretical foundations of phenomenography. Higher Education Research & Development, 16(2), 159-172.

Tesch, R. (1990). Qualitative research: analysis types and software tools. London: Falmer Press.

Theman, J. (1983). Uppfattningar av politiska makt [Conceptions of political power]. Gothenburg University, Sweden.

Tisdale, S. (1986). Swept away by technology. American Journal of Nursing, 86(4), 429-430.

Toffler, A. (1971). Future shock. London: Pan Books.

Tunstill, A. M. (1972). Machinery and the nurse. Nursing Times, 68(3), 296-297.

Uljens, M. (1993). The essence and existence of phenomenography. Nordisk Pedagogik, 13, 134-147.

Venturato, L. (1996). Conceptions of humanistic nursing care in dementia. Honours Thesis, Queensland University of Technology, Brisbane, Australia.

Wajcman, J. (1991). Feminism confronts technology. Cambridge: Polity Press.

Walker, B. (1980). Topic: technological change: issues and impacts. The Lamp, 37(10), 59-62.

Walker, D. J. (1970). Our challenging world. Nursing Forum, 9(4), 328-339.

Walters, A. J. (1994). Technology and the lifeworld of nursing. Paper presented at the frontiers of nursing, third national nursing forum. Darwin, Australia.

Walters, A. J. (1995). Technology and the lifeworld of critical care nursing. Journal of Advanced Nursing, 22, 338-346.

Wenestam, C. G. (1984). Qualitative age - related differences in the meaning of the word "death" to children. Death Education, 8, 333-347.

Wichowski, H. C. & Kubsch, S. (1995). How nurses react to and cope with uncertainty of familiar technology: validation for continuing education. The Journal of Continuing Education in Nursing, 26(4), 174-178.

Wilkinson, P. (1992). The Influence of high technology care on patients, their relatives and nurses. Intensive and Critical Care Nursing, 8(4), 194-198.

Wilson, E. (1981). Nursing care in a technological age. The Journal for Nursing Leadership and Management, 12(6), 59-62.

Wilson, G. (1991). Technology and stress, Nursing, 4(32), 31-34.

Winner, L. (1977). Autonomous technology. Massachusetts: MIT Press.

Winner, L. (1986). The whale and the reactor. Chicago: University of Chicago.

Yates, L. J. (1983). Technology in nursing. Nursing Focus, 5(2), 8.

Young, F. (1994). Phenomenographic evaluation of the needs for future geomatics professionals. Paper presented to the phenomenography philosophy and practice conference. Brisbane, Australia.

Zerzan, J. & Carnes, A. (Eds.). (1991). Questioning technology: tool or tyrant?. Philadelphia: New Society.
Zwolski, K. (1989). Professional nursing in a technical system. Image: Journal of Nursing Scholarship, 21(4), 238-242.