CURRICULUM VITAE

Joseph M. Janis

EDUCATION:

Doctor of Public Health, Biostatistics, University of North Carolina, Chapel Hill, to be completed in February, 1981. Minors in Environmental Science and Epidemiology.
M.S. in Public Health, Biostatistics, University of North Carolina, Chapel Hill, 1977.
Classical A.B., Philosophy, St. Louis University, 1967.
M.S. in Chemical Engineering, University of Pittsburgh, 1961.
B.S. in Chemical Engineering, University of Pittsburgh, 1957.

HONORS AND AWARDS:

Bashioum Award: Outstanding Graduating Chemical Engineer, awarded by Chemical Engineering Faculty for leadership, scholarship and contribution to the Department.
Batisti Award: Outstanding Fraternity Graduate, awarded by Phi Kappa Theta Fraternity for leadership and contribution to the Fraternity.
Distinguished Military Graduate, awarded by Air Force ROTC Faculty for leadership, scholarship and contribution to AFROTC.
Doctoral Training Award: (1974-1979), National Institute for Environmental Health Sciences, awarded for doctoral studies in biostatistics.
Research Grants: (Special Projects #101 and #102R1), 1979-1980, The Council for Tobacco Research - U.S.A., Inc., awarded for dissertation research.

DISSERTATION: A Descriptive and Statistical Age-Year-Cohort Analysis of Lung Cancer Mortality. Developed a statistical model which allows a more sophisticated analysis of lung cancer mortality data than available previously by descriptive epidemiological methods. Utilized the most recent developments of biased estimation in multiple regression. The model allows each of three effects, age at death, year of death, and birth cohort, to be studied independently for possible etiological causes of the disease. The model has wide potential use in related fields such as sociology, psychology, demography and political science. Several papers to be published in the journal literature are in process.

PRESENT POSITION:

Research Assistant Professor, Department of Biostatistics, School of Public Health, University of North Carolina, Chapel Hill. (August 1, 1981 to present). Duties consist mostly of research in statistical and epidemiological age-period-cohort analysis, coordinating a team of interdisciplinary researchers. Some graduate level teaching.

JD-093479

WORK EXPERIENCE:

Teaching Assistant, Biostatistics Department, (5 years, part-time, 1973-78), University of North Carolina, Chapel Hill. Assisted in teaching graduate level courses in biostatistics, multiple regression and analysis of variance. Duties consisted of lecturing, grading, and assisting students.

Work Experience continued

Statistician, National Institute of Environmental Health Sciences, Research Triangle, North Carolina (Summer, 1977). Statistical analysis of laboratory data during summer internship as part of M.S.P.H. program.

Researcher and Statistical Consultant, (5 years, part-time, 1971-76) for various organizations within Triangle area. Miscellaneous research and statistical consulting for human and animal studies, also administrative work and financial consulting.

Director of Computer Center, University of Detroit, Detroit, Michigan. (2 years, 1968-70). Responsible for all business, scientific and educational data processing with staff of about 30 for University of 10,000 students. Introduced time-sharing statistical packages to various schools and departments, and directed change-over from batch to time-sharing system. Also served as adjunct faculty in Chemical Engineering Department.

Project Chemical Engineer, Union Carbide Chemical Company, Charleston, West Virginia, (2 years, 1960-62). Project coordinator for improvement of chemical processing systems. Coordinated team of scientists and engineers in research, development and design phases of plant design and improvement.

Instructor in Chemical Engineering, University of Pittsburgh, (1 year, part-time, 1 year full time, 1958-60). Taught courses in thermodynamics, heat transfer, fluid flow and other chemical engineering operations. Also did research and consulting in chemical engineering.

Physical Chemist, Mellon Institute (now part of Carnegie-Mellon University) Pittsburgh, PA. (1½ years, full-time, 1957-58). Assistant to senior scientist, but in charge of own laboratory. Conducted laboratory and pilot plant experiments in physical organic chemistry.

NOTE: During 1962-69, was a candidate for the priesthood in the Catholic Church, (Jesuit Order). Maintained a scientific career through teaching and additional course work in areas such as biology, psychology, and statistics; also, kept an adjunct faculty position in the Chemical Engineering Department at the University of Detroit. Left the Order in 1969 prior to ordination.

VOLUNTARY ACTIVITIES:

Coordinator of Activities, 1981 to present, Aid for Poland, Chapel Hill, N.C. An organization set up to assist a children's hospital in Cdansk, Poland. Duties consist of assisting in fund raising and publicity.

Cofounder and Director, 1978-79, Triangle Center for Attitudinal Healing, Durham, N.C. An organization which provides a peer group support system for children with life-threatening illness and their families. Organized and directed activities necessary for establishing and incorporating the Center. Currently a member of Board of Directors.

Science Instructor, St. Ignatius High School, Cleveland, Ohio, 1 year, 1967-68. Taught physics and mathematics as part of training as a Jesuit. Initiated computer center at the school and introduced computer into curriculum.

PROFESSIONAL ORGANIZATIONS.

American Statistical Association. (Previously active in Association for Computing Machinery and American Institute for Chemical Engineers).

Technical Papers Completed

Enclosed are a list of technical papers completed but unpublished in the journal literature. Most of the work was done in a competitive industrial setting and therefore considered classified by Union Carbide and Mellon Institute.

1. Janis, J.M., for Methanol Quality Committee, Improved methanol plant design. Unpublished manuscript, Union Carbide Chemicals Co., South Charleston, West Virginia, October, 1962, 45 pp.

2. Janis, J.M. Carbide chemistry. Unpublished manuscript, Union Carbide Chemicals Co., South Charleston, West Virginia, June, 1962, 60 pp.

3. Janis, J.M., Improvement of methanol quality. Unpublished manuscript, Union Carbide Chemicals Co., South Charleston, West Virginia, March, 1961, 15 pp.

4. Janis, J.M., and Erdman, W.J., Non-uniform ternary constant boiling mixture ethyl acetate-ethanol-water. Unpublished manuscript, Union Carbide Chemicals Co., South Charleston, West Virginia, April, 1960, 6 pp.

5. Janis, J.M., An engineering study of the ethyl acetate and butyl acetate processes. Unpublished manuscript, Union Carbide Chemicals Co., South Charleston, West Virginia, October, 1960, 75 pp.

6. Janis, J.M., A comparison of liquid and vapor phase reactions of meta-tolyl acetate. M.S. thesis, University of Pittsburgh, December, 1960, 60 pp.

7. Janis, J.M., A small scale pilot plant study of the ethanolamines used in liquid hydrocarbon extraction. Unpublished manuscript, Mellon Institute, Pittsburgh, Pennsylvania, September, 1958, 20 pp.

8. Anderson, J.R., and Janis, J.M., Carbide's antistall additive CM. Unpublished manuscript, Mellon Institute, Pittsburgh, Pennsylvania, March, 1958, 30 pp.

9. Anderson, J.R., and Janis, J.M., Partition of monethanolamine, diethanolamine, and triethanolamine between water and hydrocarbons. Unpublished manuscript, Mellon Institute, Pittsburgh, Pennsylvania, December, 1957, 12 pp.

10. Anderson, J.R., and Janis, J.M., Phase transformations in polycomponent systems pertinent to studies of automotive carburetor antistall additives. Unpublished manuscript, Mellon Institute, Pittsubrgh, Pennsylvania, December, 1957, 20 pp.

11. Janis, J.M., Variables affecting vapor phase chromatography. Unpublished manuscript. B.S. thesis, University of Pittsubrgh, June, 1957, 40 pp.

SCIENTIFIC PAPERS PRESENTED:

1. A Statistical Age-Period-Cohort Analysis of Lung Cancer, by Joseph M. Janis, April 6, 1981, Special Joint Colloquium, Department of Mathematical Sciences at Clemson University, and Department of Statistics and Computer Science at the University of Georgia; an invited paper at Clemson University, Clemson, South Carolina.

2. Age-Period-Cohort Analysis of Lung Cancer Mortality Data, by J. M. Janis, L. L. Kupper, and B. G. Greenberg, Society for Epidemiological Research, Snowbird, Utah, June 17-19, 1981.

3. The Multiple Classification Model in Age-Period-Cohort Analysis: Theoretical Considerations, by L. L. Kupper and J. M. Janis, American Statistical Association, Detroit, Michigan, August 9-13, 1981.

4. The Multiple Classification Model in Age-Period-Cohort Analysis: Applications to Lung Cancer Mortality, by J. M. Janis, L. L. Kupper, and B. G. Greenberg, American Statistical Association, Detroit, Michigan, August 9-13, 1981.

5. Advances in Age-Period-Cohort Analysis with Applications to Lung Cancer, by J. M. Janis, L. L. Kupper, and B. G. Greenberg, American Public Health Association, Los Angeles, CA, November 1-5, 1981. Invited three hour didactic presentation.

6. Overview of Age-Period-Cohort Analysis, by L. L. Kupper and J. M. Janis, an invited presentation to the Biometric Section of the National Institute of Environmental Health Sciences, Research Triangle Park, N. C., December 2, 1981.

PAPERS IN PROGRESS:

Kupper, L. L., Salama, I., Janis, J. M., Theoretical Advances in age-period-cohort analysis, to be submitted to Biometrics.