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EDUCATION:

Degree	Major	Institution	Year
B.S.	Mathematics	West Texas State University	1974
M.S.	Mathematics	West Texas State University	1976
Ph.D.	Statistics	Oklahoma State University	1981

PROFESSIONAL EXPERIENCE:

Professor and Associate Chair, Department of Statistics, College of Medicine, University of Florida, 2003-present.

Professor, Department of Biometry, University of Nebraska, 1994-2003.

Chancellor's Faculty Associate, Serving in the offices of the Vice-Chancellor of the Institute of Agriculture and Natural Resources and the Dean and Director of the Agricultural Research Division, University of Nebraska, 2000-2001.

Associate Professor, Department of Biometry, University of Nebraska, 1990-1994.

Consultant for USAID in Bujumbura, Burundi, January 22-February 5, 1993.

Associate Professor, Department of Statistics and Department of Entomology (Courtesy), Oklahoma State University, 1985-1990.

University Summer Faculty, Statistics, Computing and Human Factors Division 7223, Sandia National Laboratories, Albuquerque, N.M., Summer, 1989.

Assistant Professor, Department of Statistics and Department of Entomology (Courtesy), Oklahoma State University, 1981- 1985.

Graduate Research Assistant, Agricultural Experiment Station, Oklahoma State University, 1980-1981.

Graduate Research Assistant, Department of Entomology, Oklahoma State University, Summers of 1978, 1979.

Teaching Assistant, Department of Statistics, Oklahoma State University, 1977-1980.

PROFESSIONAL SOCIETIES:

- American Statistical Association
- International Biometric Society
- International Statistical Institute
- Institute of Mathematical Statistics
- American Association for the Advancement of Science

HONORS:

- 2000 International Who's Who of Professional and Business Women
- Twentieth Century Distinguished Service Award for Outstanding Contribution to the Development of Statistical Ecology, Awarded at the Ninth Lukas Symposium on Frontiers of Environmental and Ecological Statistics for the 21st Century, 1999
- Elected Member of the International Statistical Institute, 1998.
- Elected Fellow of the American Statistical Association, 1994.
- Distinguished Achievement Medal from the American Statistical Associations's Statistics and the Environment Section, 1993.
- Phi Kappa Phi
- Sigma Xi
- Carl Marshall Award for Outstanding Ph.D. Graduate, Oklahoma State University, 1981.

SIGNIFICANT ADMINISTRATIVE ACTIVITIES (LAST 5 YEARS):

Chancellor's Faculty Associate, University of Nebraska, 2000-2001. This position was approved for work with the Vice-Chancellor for the Institute of Agriculture and Natural Resources and the Dean and Director of the Agricultural Research Division. During the academic year, the faculty associate works on various administrative projects. These included development of an electronic data warehouse, working with others to initiate research projects involving faculty from multiple departments and campuses, and addressing issues of funding in the changing research environment.

Vice-President, American Statistical Association, 2001-2003. The Vice-Presidents are members of the Board of Directors, the decision-making body of the association. They serve on the budget committee, chairing it during the final year in office. Other duties include working on special projects as assigned by the President and serving on the Committee on Committees.

President-Elect, President, and Past-President of the Eastern North American Region (ENAR) of the International Biometric Society. 2000, 2001, 2002, respectively. The President chairs the Executive Committee which is the decision-making body of ENAR. The President-Elect and Past-President also serve on the committee. Other responsibilities include setting priorities for the society, making appointments to committees, and planning for the annual conference in 2001.

Chair-Elect, Chair, and Past-Chair of the American Statistical Association's Section on Statistics and the Environment. 2000, 2001, 2002, respectively. Service on the Executive Committee, the decision-making group for the Section, is part of the responsibilities during this three-year period. Other duties include conducting the annual student paper competition as Chair-Elect, making appointments to various committees, setting directions for the Section, and writing articles for the Section's column in *Amstat News*.

Chair of the *Journal of Agricultural, Biological, and Environmental Statistics* Management Committee, 1995-2001. This position is a joint appointment of the Presidents of the American Statistical Association (ASA) and the International Biometric Society (IBS). Activities: Since 1998, activity as chair has been extensive. In 1998, a business plan for 1999 to 2001 was developed. This required interaction with and soliciting bids from management firms, production editors, printers, and marketing experts. A three-year financial plan is a component of the business plan. Numerous interactions with the Executive Committees of both the ASA and the IBS were needed to ensure that the concerns of each society were properly addressed. After the business plan was developed, it was presented to the Board of Directors of the American Statistical Association and the Council of the International Biometric Society. The plan was approved in December, 1998. In 1999, activity focused on the transition from the old to the new business plan. Revisions were made to the business plan late in 1999 and again in 2000 and presented to both societies. Marketing efforts were emphasized in 2000, and these efforts continue in 2001. Movement toward electronic publication is anticipated in 2001.

Chair of the Strategic Planning Committee of the Council of Sections of the American Statistical Association (ASA). 1999. This committee is charged with developing strategic planning initiatives for the Council. Consistent with the expressed interests of the Sections, plans were developed for a searchable member database. The full proposal was submitted to the Board of Directors and funding was approved in April.

Chair of the Council of Sections of the American Statistical Association. 1998. The Council of Sections is the link between the Sections and the Board of Directors. Numerous items such as the structure of meetings, electronic communications, continuing education, and use of the web are considered each year. In 1998, two notable actions were the establishment of strong guidelines for the management of Section budgets and the initiation of an annual strategic planning process consistent with that of the Association.

Chair of a review committee for the Environmental Protection Agency's Environmental Monitoring and Assessment Program's pilot project in the mid-Atlantic region. 1998. This position was jointly appointed by the Executive Director of the Ecological Society of American and the Chair of the American Statistical Association's Statistics and the Environment Section. They solicited advice in the selection of the remaining committee members. The review consisted of advance reading and evaluation of prepared documents and two days of presentations. At the end of the meeting, the chair presented a verbal preliminary report to interested EPA officials. The final report was approved by all committee members and submitted in less than a month from the end of the meeting.

Treasurer for the Eastern North American Region (ENAR) of the International Biometric Society. 1996-1997. The treasurer has responsibility for fiscal oversight of ENAR funds and development of an annual budget. The treasurer also serves on the Executive Committee which has the responsibility for decision making within ENAR.

FORMAL COURSES TAUGHT AT OKLAHOMA STATE UNIVERSITY:

STAT 4013 - Statistical Methods I
STAT 4023 - Statistical Methods II
STAT 4113 - Introduction to Probability Theory
STAT 4203 - Mathematical Statistics I
STAT 4213 - Mathematical Statistics II
STAT 4223 - Statistical Inference
STAT 5013 - Statistics for Experimenters I
STAT 5023 - Statistics for Experimenters II
STAT 5133 - Stochastic Processes
STAT 5513 - Multivariate Analysis
STAT 5053 - Time Series Analysis
STAT 5063 - Multivariate Methods

FORMAL COURSES TAUGHT AT UNIVERSITY OF NEBRASKA-LINCOLN:

BIOM 802 - Experimental Design
BIOM 810 - Applied Multivariate Methods

BIOM 896 - Statistical Ecology
BIOM 896 - Loglinear Models for Categorical Data
BIOM 896 - Introduction to Probability Theory
BIOM 896 - Statistical Inference
BIOM 896 - Elementary Quantitative Literacy Workshop
BIOM 970 - Linear Models
BIOM 991 - Consulting Practicum
STAT 380/880 - Statistics and Applications
STAT 482/882 - Mathematical Statistics I: Introduction to Probability Theory
STAT 483/883 - Mathematical Statistics II: Statistical Inference

GRANTS AND CONTRACTS RECEIVED (PAST 5 YEARS):

Mortensen, David A., Carol A. Gotway, Linda J. Young, and Alex R. Martin. Events, processes and conditions influencing the stability of weed distributions. NC-IPM \$75,000. Awarded May, 1994. Funded June 1, 1994, to May 31, 1997.

Young, Linda J. and Carol A. Gotway. Analysis of water quality and well construction. Department of Environmental Health in the Nebraska State Department of Health. \$12,650. Awarded December, 1995.

Research Council Travel Grant, University of Nebraska, 1998.

Brandle, James R. and Linda J. Young. Advancing the statistical analyses of agroforestry systems: Variability and scaling issues. U.S. Department of Agriculture, Forest Service. Research work unit number RM-4551. September, 1999, to July, 2003. \$116,837.

Young, Linda J. Statistical issues in the pharmaceutical industry. Mallinckrodt, Inc. Funded for 2000. \$23,154.

Lewis, W. James and Linda J. Young. Professional and Technical Services. Acton. Funded for about \$40,000 from April, 2000, to April, 2001.

Young, Linda J. Designs for On-Farm Studies. USDA. Funded for Spring, 2002, with possible extensions. ~\$18,000.

CONTRIBUTED PAPERS PRESENTED AT PROFESSIONAL MEETINGS:

Willson, L.J. and J.H. Young, 1982. The natural distribution of insects in agroecosystems. 1982 National Convention of the Entomological Society of America and the spring meeting of the Mid-

Missouri Chapter of the American Statistical Association in 1983.

Willson, L.J. and J.H. Young, 1984. The methods and problems associated with insect sampling in agroecosystems. Southwestern Branch Meeting of Entomological Society of America. Feb. 13-15, Oklahoma City, Oklahoma.

Young, J.H. and L.J. Willson, 1984. Use of handheld calculators in cotton IPM programs. Southwestern Branch Meeting of Entomological Society of America. Feb. 13-15, Oklahoma City, Oklahoma.

Strabala, M.A., L.J. Willson and J.H. Young, 1984. A new approach to analysis of variance for entomological data. Southwestern Branch Meeting of Entomological Society of America. Feb. 13-15, Oklahoma City, OK.

Willson, L.J. and J.H. Young, 1984. Problems with sampling discrete distributions for insects. North Central Branch meeting of Entomological Society of America. March 26-28, Wichita, KS.

Young, J.H. and L.J. Willson, 1984. Insect distributions. North Central Branch Meeting of Entomological Society of America. March 26-28, Wichita, KS.

Young, J.H. and L.J. Willson, 1984. Modeling restriction on insect populations. Annual Meeting of the Entomological Society of America. Dec. 9-13, San Antonio, TX.

Vargas-Camplis, J., J.H. Young and L.J. Willson, 1984. Predicted emergence of overwintering bollworms under two different environments. Annual Meeting of Entomological Society of America. Dec. 9-13, San Antonio, TX.

Willson, L.J. and J.H. Young, 1985. Statistical models in entomology. Joint meeting of the Kansas-Western Missouri and Oklahoma Chapters of the American Statistical Association, March, Wichita, KS.

Willson, L.J. and J.H. Young, 1986. The distribution of arthropods in agroecosystems: Insights provided by Bose-Einstein statistics. NSF/CBMS Regional Conference on Mathematical Stochastics of Species Abundance and Community Composition. March 17-21, Stillwater, OK.

Ashraf, M., R.C. Berberet and L.J. Willson, 1986. Sampling for the blue alfalfa aphid: Spatial patterns and statistical parameters. North American Alfalfa Improvement Conference. July 27-31, Stillwater, OK.

Young, J.H., and L.J. Willson, 1986. Bose-Einstein statistics as a model for stabilization of disrupted arthropod populations. Annual Meeting of the International Society of Ecological Modeling. August

10-16, Syracuse, NY.

Willson, L.J. and J.H. Young, 1986. A model of the dynamics of arthropod movement toward equilibrium. Annual Meeting of the International Society of Ecological Modeling. August 10-16, Syracuse, NY.

Stark, J. Alan, Linda J. Willson and Jerry H. Young, 1986. Relationships of insect interactions with Bose-Einstein and Maxwell-Boltzmann statistics. Annual Meeting of Entomological Society of America. December 7-11, Reno, NV.

Berberet, R.C. and L.J. Willson, 1986. Probabilities for encapsulation of *Bathyplectes curculionis* eggs by *Hypera postica* larvae in field populations. Annual Meeting of Entomological Society of America. December 7-11, Reno, NV.

Young, Jerry H., Linda J. Willson and J. Alan Stark, 1986. Mechanics of model development using insect interaction within agroecosystems. Annual Meeting of Entomological Society of America. December 7-11, Reno, NV.

Willson, Linda J., Jerry H. Young and J. Alan Stark, 1986. The effect of interaction on insect movement and distribution within agroecosystems. Annual Meeting of Entomological Society of America. December 7-11, Reno, NV.

Ha, Sam Bong, Laval M. Verhalen, Jerry H. Young and Linda J. Willson, 1987. Effects of selected morphological traits in cotton on natural infestations of the cotton fleahopper and bollworm. 1987 Beltwide Cotton Production Research Conferences. January 4-8, Dallas, TX.

Young, Jerry H., Linda J. Willson and J. Alan Stark, 1987. The effects of disruption on cotton insect spatial patterns. 1987 Beltwide Cotton Production Conferences. January 4-8, Dallas, TX.

Willson, Linda J., Jerry H. Young, and J. Alan Stark, 1987. A model of the dynamics of arthropod movement toward equilibrium. 1987 Beltwide Cotton Production Research Conferences. January 4-8, Dallas, TX.

Stark, J. Alan, Jerry H. Young and Linda J. Willson, 1987. Modeling cotton insect movement. 1987 Beltwide Cotton Production Research Conferences. January 4-8, Dallas, TX.

Young, Jerry H., Linda J. Willson, and Getta Gudavall, 1987. An expert system for cotton insects in southwestern Oklahoma. Southwestern Branch Meeting of Entomological Society of America. February 9-11, Austin, TX.

Willson, Linda J., and Jerry H. Young, 1987. An expert system for insect identification. Southwestern Branch Meeting of Entomological Society of America. February 9-11, Austin, TX.

Willson, Linda J., Jerry H. Young and J. Alan Stark, 1987. A model of arthropod movement based on Bose-Einstein Statistics. Spring Meeting of the Biometrics Society. March 22-25, Dallas, TX.

Young, J.H., Linda J. Willson, and J. Alan Stark, 1987. A computer model of arthropod movement. Spring Meeting of the Biometrics Society. March 22-25, Dallas, TX.

Rezay-Garacani, Taghi, Linda J. Willson, and J.H. Young, 1987. A Monte-Carlo study of multiple comparison procedures applied to discrete data. Spring Meeting of the Biometrics Society. March 22-25, Dallas, TX.

Chae, S.S., Linda J. Willson, and J.H. Young, 1987. Sequential hypothesis testing for the mean of a negative binomial distribution, Spring Meeting of the Biometrics Society. March 22-25, Dallas, TX.

Nagardeolekar, Madhuri S., Linda J. Willson and J.H. Young, 1987. A sequential test for population means from two negative binomial distributions with a common k. Spring Meeting of the Biometrics Society. March 22-25, Dallas, TX.

Payton, Mark E., Linda J. Willson and J.H. Young, 1987. Bounds for the difference between mean and median of the beta and negative binomial distribution. Spring Meeting of the Biometrics Society. March 22-25, Dallas, TX.

Willson, Linda J. and J.H. Young, 1987. Modeling the movement of arthropods within agroecosystems using interacting Markov chains. Annual Meeting of the American Statistical Association. Aug. 17-20, San Francisco, CA.

Young, Linda J. and Jerry H. Young, 1988. The effects of insecticides on the spatial distribution of cotton insects. Beltwide Cotton Production Research Conferences. Jan. 3-8, New Orleans, LA.

Young, Linda J. and J.H. Young, 1988. Insect movement and density estimation within agroecosystems, Symposium-Workshop on Estimation and Analysis of Insect Populations. Jan. 25-29, Laramie, WY.

Nagardeolekar, Madhuri S., Linda J. Young, and J.H. Young, 1988. A fixed sample size procedure for selecting the best negative binomial population. Joint Statistical Meetings, Aug. 22-25, New Orleans, LA.

Payton, Mark E., Linda J. Young, and J.H. Young, 1988. An urn model for sexual attraction of insects in agroecosystems. Aug. 22-25, New Orleans, LA.

Young, Linda J. and Jerry H. Young, 1988. Inference concerning the mean of a negative binomial population. Joint Statistical Meetings. Aug. 22-25, New Orleans, LA.

Young, Linda J. and Jerry H. Young, 1989. The 2-SPRT as an alternative to Wald's SPRT when testing hypotheses concerning insect populations. Conference on Applied Statistics in Agriculture. May 1-2, Manhattan, KS.

Young, Linda J., Jerry H. Young and Mark E. Payton, 1989. A model of insect sexual preference based on an extension of Polya's Urn model. Joint Statistical Meetings. Aug. 6-10, Washington, D.C.

Seebeck, Katherine, Linda J. Young, and Jerry H. Young, 1989. A computing program to develop and evaluate an SPRT for three discrete distributions. Joint Statistical Meetings. Aug. 6-10, Washington, D.C.

Nagardeolekar, Madhuri S., Linda J. Young, and Jerry H. Young, 1989. An approximate Kiefer-Weiss solution for the negative binomial distribution. Joint Statistical Meetings. Aug 6-10, Washington, D.C.

Payton, Mark E., Linda J. Young and Jerry H. Young, 1989. An analysis of sequential sampling from discrete distributions with more than two alternative hypotheses. Joint Statistical Meetings. Aug. 6-10, Washington, D.C.

Young, Linda J. and Jerry H. Young, 1990. A spatial view of the negative binomial parameter k when describing insect populations. Kansas State University Conference on Applied Statistics in Agriculture. April 29 - May 1, Manhattan, KS.

Young, Linda J. and Robert G. Easterling, 1990. Estimation of extreme percentiles based on sensitivity tests. Joint Statistical Meetings. Aug. 6-9, Anaheim, CA.

Young, Linda J., Gerald R. Bodman, Eugene C. Boilesen, and Walter W. Stroup, 1990. A statistical analysis of the performance of milking system vacuum regulators. Kansas State University Conference on Applied Statistics in Agriculture. April 28 - April 30, Manhattan, KS.

Payton, Mark E., Linda J. Young, and J.P. Chandler. 1991. An examination of sequential tests between three hypotheses. Joint Statistical Meetings. Aug. 18-22, Atlanta, GA.

Payton, Mark E. and Linda J. Young. 1992. A sequential procedure to test three values of a binomial

proportion. Joint Statistical Meetings. Aug. 9-13, Boston, MA.

Young, Linda J. and Jerry H. Young. 1992. An interacting particle system as a model of insect movement. Joint Statistical Meetings. Aug. 9-13, Boston, MA.

Mulekar, Madhuri, S. and Linda J. Young, 1994. Selection using difference and ratio of success probabilities. Joint Statistical Meetings. Aug. 13-18, Toronto,

Dix, M.E., M.O. Harrell, R.J. Wright, L. Hodges, J. Irwin, J.R. Brandle, R.J. Johnson, R.M. Case, L.J. Young, K.G. Hubbard, R.L. Fitzmaurice, N.J. Sunderman, and M.M. Schoeneberger. 1995. Distribution of predators in tree/crop ecosystems. North Central Branch Meeting of the Entomological Society of America. March 26-29. Lexington, Kentucky.

Fernandes, O.A., R.J. Wright, Z.B. Mayo, and L.J. Young. 1995. Optimizing *Lysiphlebus testaceipes* (Hymenoptera, Braconidae) production on caged sorghum. Central Branch Meeting of the Entomological Society of America. March, 16-29. Lexington, Kentucky.

Murphy, Sandra C., Linda J. Young, and Mark T. Porath. 1996. Analysis of feeding selection experiments: A comparative study. Kansas State University Conference on Applied Statistics in Agriculture. April 28-30. Manhattan, Kansas.

Capuano, George A., Linda J. Young, and Nancy L. Campbell. 1998. The analysis of over-dispersed count data from a single factor study. Conference on Applied Statistics in Agriculture. Manhattan, Kansas. April.

Young, Linda J., Yuhua Wang, and Dallas E. Johnson. 1998. A UMPU test for comparing the means of two negative binomial populations. Joint Statistical Meetings. Dallas, Texas. August 9-13.

Wang, Yuhua, D.E. Johnson, and Linda J. Young. 1999. The analysis of count data in a one-way layout. Conference on Applied Statistics in Agriculture. Manhattan, Kansas. April 25-27.

Kirby, Steven R. and Linda J. Young. 2000. An application of GIS and spatial statistics. Spring meeting of ENAR. Chicago, Illinois. March 19-22.

Kirby, Steven R. and Linda J. Young. 2000. A study of atrazine levels using GIS and Spatial Statistics. Applied Statistics in Agriculture Conference. Manhattan, Kansas. May 1-2.

Yu, Feng Linda J. Young, and Gary R. Stevens. 2000. Establishing Population and Individual Bioequivalence Confidence Intervals. Applied Statistics in Agriculture Conference. Manhattan, Kansas. May 1-2.

Wang, Yuhua, Dallas E. Johnson, and Linda J. Young. 2000. The Analysis of Count Data in a One-Way Layout. Joint Statistical Meetings. August 13-17.

Baxendale, F.P., A.P. Weinhold, T.M. Heng-Moss, L.J. Young, and M.A. Zajac. 2001. Residual Control of Black Cutworm, *Agrotis ipsilon* (Lepidoptera: Noctuidae) with Selected Pyrethroid Insecticides. International Turfgrass Society Meeting, Toronto, CA.

Total Number of Contributed Presentations: 58

INVITED PAPERS PRESENTED AT PROFESSIONAL MEETINGS:

Willson, Linda J. and J.H. Young, 1984. Insect distribution: A critical element in the choice of sampling methods for insects. Annual Meeting of Entomological Society of America. Dec. 9-13, San Antonio, TX.

Willson, L.J. and J.H. Young, 1985. Bose-Einstein statistics applied to the study of insect distribution. Annual Meeting of University Statisticians at Southern Experiment Stations. Aug. 1, Stillwater, OK.

Willson, L.J., J.H. Young and Be-Ny Wu, 1985. A comparison of five goodness-of-fit tests. Annual Meeting of University Statisticians at Southern Experiment Stations. Aug. 1, Stillwater, OK.

Young, J.H. and L.J. Willson, 1985. The use of Bose-Einstein statistics in population dynamics models of arthropods. Annual Meeting of the International Society of Ecological Modeling. Aug. 11-15, Gainesville, FL.

Willson, L.J. and J.H. Young, 1985. Some examples of weighted distributions in entomological studies. Advanced Research Conference on Weighted Distributions and Related Methods. Nov. 9-13, University Park, PA.

Willson, L.J. and J.H. Young, 1986. Distributions of insects in agroecosystems. Annual SRCOS/ASA Summer Research Conference. June 16-20, Mobile, AL.

Young, L.J. and J.H. Young, 1988. The application of urn models to the study of insect distribution. Statistics Symposium at the University of Missouri - Columbia. Nov. 15, Columbia, MO.

Young, Linda J. and Jerry H. Young, 1989. The case for and against statistical hypothesis testing. North Central Branch Meeting of Entomological Society of America. March 12-15, Indianapolis, IN.

Young, Linda J. and Jerry H. Young, 1990. Is there any such thing as randomness? Symposium on

- Chaos in Biological and Agricultural Systems: The Statistical Issues. June 3-6, Lincoln, NE.
- Young, Linda J. and Jerry H. Young, 1991. New approaches in insect dispersal models compared to classical approaches. Joint Statistical Meetings. August 18-22, Atlanta, GA.
- Young, Linda J. 1993. Modeling insect distribution using extensions of Polya's urn model. Statistics Symposium at Kansas State University. March 18, Manhattan, KS.
- Young, Linda J. 1993. Establishing the relationship of mean and variance: Are we fooling ourselves? Applied Statistics in Agriculture Symposium at the University of Idaho. October 19, Moscow, ID.
- Young, Linda J. 1994. Establishing the relationship of mean and variance: Is it really possible? ENAR Spring Meetings. April 9-13, Cleveland, OH.
- Young, Linda J. 1994. Establishing the relationship of mean and variance: A comparative study. International Congress of Ecology. August 20-26, Manchester, England.
- Young, Linda J. 1994. Evaluating models of the relationship of mean and variance. Iowa State University Environmental/Ecological Seminar Series. November 1.
- Young, Linda J. 1994. Modeling insect distribution and movement: Extensions of Polya's urn model and interacting Markov chains. Iowa State University Statistics Seminar. November 2.
- Young, Linda J. 1995. Quantitative Literacy in Action: Where we are and where we are going. Joint Statistical Meetings. August 13-17. Orlando, FL.
- Young, Linda J. 1996. Discussant for the session highlighting papers from the *Journal of Agricultural, Biological, and Environmental Statistics*. Eastern North American Region of the International Biometric Society. March 17-20. Richmond, Virginia.
- Young, Linda J. 1996. Critical Issues in Modeling Biological Populations. Western North American Region of the International Biometrics Society. June 23-27. Pullman, Washington.
- Young, Linda J. 1997. Critical issues in generalized linear models. Eastern North American Region of the International Biometric Society. March 23-26. Memphis, Tennessee.
- Young, Linda J. 1997. Discussant for the session on Modeling Agricultural Systems: Past, Present, and Future. Joint Statistical Meetings. August 10-14. Anaheim, California.
- Young, Linda J. 1997. On the analysis of overdispersed count data from designed experiments.

University of Iowa. Statistics Seminar. December 10.

Young, Linda J. 1998. On the analysis of over-dispersed count data from designed experiments. University of Nebraska. Statistics Seminar within the Mathematics and Statistics Department. March.

Young, Linda J. 1998. Statistics poster and project competitions in the United States. International Conference on Teaching Statistics 5. June 21-26. Singapore.

Young, Linda J. 1998. The analysis of over-dispersed count data from completely randomized designs. Oklahoma State University. Meeting in honor of the retirement of J. Leroy Folks. July 18. Stillwater, Oklahoma.

Young, Linda J. 1998. Must we choose between production agriculture and the environment? Joint Statistical Meetings. August 9-13. Dallas, Texas.

Young, Linda J. and George A. Milliken. 1998. Mixed models for practicing statisticians using SAS[®]. Continuing Education Workshop at the Joint Statistical Meetings in Dallas, Texas, August 8.

Young, Linda J. 1998. Analysis of over-dispersed count data from designed experiments: A comparative study. International Biometric Conference. December 13-18. Cape Town, South Africa.

Young, Linda J. 1999. The American Statistics Poster and Project Competitions. Statistics Teachers Workshop. University of Kansas. June 29.

Young, Linda J. 1999. Grading the AP Statistics Exam. Statistics Teachers Workshop. University of Kansas. June 29.

Young, Linda J. 1999. The Life of a statistician. All-Girls mathematics Camp. University of Nebraska. July 20.

Young, Linda J. 1999. Probability Models. Beyond AP Statistics Workshop. Joint Statistical Meetings, Baltimore, Maryland. August 8-12.

Young, Linda J. and George A. Milliken. 1999. Mixed models for practicing statisticians using SAS[®]. Continuing Education Workshop at the Joint Statistical Meetings in Baltimore, Maryland, August 7.

Young, Linda J. 1999. Discussion of papers by Dallas E. Johnson, Anthony R. Olsen, and Bruce Weir in the Session "Challenges Arising at the Interface of Statistics and the Sciences of Agriculture, the Environment, and Genetics," Joint Statistical Meetings, Baltimore, Maryland, August 8-12.

Gotway, Carol A. and Linda J. Young. 2000. Issues and Methods for Combining Spatial Data. Spring Meeting of ENAR. Chicago, Illinois. March 19-22.

Young, Linda J. and Louise Ryan. 2000. Spatial Data Analysis and Map Construction Using ArcView. Spring Meeting of ENAR. Chicago, Illinois. March 19-22.

Young, Linda J. 2000. Applications of Probability Models. Beyond AP Statistics Workshop. Joint Statistical Meetings, Indianapolis, Indiana. August 13-17.

Young, Linda J. 2000. Discussion of papers by Nelsen, Boyce, and McBride on the Diversity of Statistics in Agricultural, Biological and Environmental Statistics. Joint Statistical Meetings. Indianapolis, Indiana. August 13-17.

Young, Linda J. 2001. The challenges of designing an experiment: A report from the trenches. Teaching Contemporary Mathematics Conference. February 2-3, Durham, North Carolina.

Young, Linda J. 2001. Statistical issues in habitat selection studies. Seminar for the Department of Statistics, University of Missouri-Columbia in March.

Young, Linda J. 2001. The statistical opportunities K-12 students should have now. Spring Meeting of the Eastern North American Region of the International Biometric Society. March 25-28, Charlotte, North Carolina.

Young, Linda J. 2001. The analysis of over-dispersed count data: What more is needed? Led roundtable discussion at the Joint Statistical Meetings, Atlanta, Georgia, in August.

Young, Linda J. 2001. Sequential testing in the agricultural sciences. Colloquium for the Department of Mathematics and Statistics, University of Nebraska-Lincoln in December.

Young, Linda J. 2002. Experiments, Observational Studies and Sample Surveys: How can we distinguish among them? Teaching Contemporary Mathematics Conference. February 1-2, Durham, North Carolina.

Young, Linda J. 2002. AP Statistics and Its Impact on Undergraduate Statistics Education. Seminar for the Statistics Department. Kansas State University. April. Manhattan.

Young, Linda J. 2002. The change of support in spatial data analysis. Seminar for the Statistics Department, University of Florida. May 20. Gainesville, Florida.

Gotway Crawford, Carol A. and Linda J. Young. 2002. A spatial view of the ecological inference

problem. Ecological Inference Conference. June 17. Harvard University.

Young, Linda J. 2002. Activities and recommendations of ASA's membership task force. Joint Statistical Meetings. August 11-15. New York.

Young, Linda J. 2002. The impact of change of support on spatial data analysis. Statistics Seminar, University of Nebraska.

Young, Linda J. 2002. Sequential testing in the agricultural sciences. Statistics Seminar, University of Nebraska-Lincoln in October.

Gotway Crawford, Carol A. and Linda J. Young. 2002. Expanding the "S" in GIS: Statistics and spatial support. The American Statistical Association Section on Statistics and the Environment's Workshop. Spatial Statistics: Integrating Statistics, GIS, and Statistical Graphics. October 18-19. Seattle Washington.

Young, Linda J. 2002. The change of support in spatial data analysis. Presentation for Science Week. October 22. Washington State University.

Young, Linda J. and Carol A. Gotway Crawford. 2003. Assessing environmental impacts using data from multiple scales. Conference on Environmental Statistics. January 20. Ghent University, Belgium.

Young, Linda J. and Carol A. Gotway Crawford. 2003. Determining environmental impacts using data from multiple scales. Spring meeting of the Eastern North American Region of the International Biometric Society. March 30-April 2. Tampa, Florida.

Young, Linda J. and Carol A. Gotway Crawford. 2003. Combining incompatible spatial data. Annual meeting of the Western North American Region of the International Biometric Society. June. Boulder, Colorado.

Young, Linda J. 2003. Possible roles for statisticians in the training of K-12 mathematics educators. Joint Statistical Meetings. August 3-8. San Francisco, California.

Total Number of Invited Presentations: 56

Of these, there were 5, 25, 11, and 15 presentations at the international, national, regional, and local (Idaho, Iowa, Kansas, Missouri, Nebraska) levels, respectively.

REFEREED PUBLICATIONS:

Willson, Linda J. and J. Leroy Folks, 1983. Sequential estimation of the mean of the negative binomial

distribution. *Sequential Analysis* 2: 55-70.

Willson, L.J. and J.H. Young, 1983. Sequential estimation of insect population densities with a fixed coefficient of variation. *Environmental Entomology* 12: 669-672.

Willson, L.J., J.L. Folks, and J.H. Young, 1984. Multistage estimation compared with fixed sample size estimation of the negative binomial distribution. *Biometrics* 40: 109-117.

Young, J.H. and L.J. Willson, 1984. A model to predict damage reduction to flower buds or fruit by *Heliothis* spp. in the absence or presence of two Coleoptera predators. *The Southwestern Entomologist* 9: 33-38.

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Payton, Mark E. and Linda J. Young, 1994. A sequential procedure for deciding among three hypotheses. *Sequential Analysis* 13: 277-300.

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Dix, M.E., R.J. Johnson, M.O. Harrell, R.M. Case, R.J. Wright, L. Hodges, J.R. Brandle, M.M. Schoeneberger, N.J. Sunderman, R.L. Fitzmaurice, L.J. Young, and K.G. Hubbard. 1995. Influences of trees on abundance of natural enemies of insect pests: a review. *Agroforestry Systems* 29: 303-311.

Johnson, Gregg A., David A. Mortensen, and Linda J. Young. 1995. The stability of weed seedling population models and parameters in eastern Nebraska corn and soybean fields. *Weed Science* 43: 604-611.

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Cuomo, Gregory J., Bruce E. Anderson, and Linda J. Young. 1996. Harvest frequency and burning effects on monocultures of three warm-season grasses. *Journal of Range Management* 49: 157-162.

Oberg, Ann L., Linda J. Young, and Leon G. Higley. 1996. A comparison of two measures of competition. *Journal of Agricultural, Biological, and Environmental Statistics* 1: 393-403.

Johnson, Gregg A., David A. Mortensen, and Linda J. Young. 1996. Parametric sequential

sampling based on multistage estimation of the negative binomial parameter k . *Weed Science* 44: 555-559.

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Cuomo, Greg J., Bruce E. Anderson, and Linda J. Young. 1998. Harvest frequency and burning effects on vigor of native grasses. *Journal of Range Management* 51: 32-36.

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from experiments with two-factors in the absence of interaction. *Journal of Computational and Graphical Statistics* 63: 263-281.

Capuano, George A., Linda J. Young, and Nancy L. Campbell. 1999. The analysis of over-dispersed count data from a single factor study. *Applied Statistics in Agriculture* 10: 73-83.

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Poague, Kevin L., Ron J. Johnson, and Linda J. Young. 2000. Bird use of rural and urban converted railroad rights-of-way in southeast Nebraska. *Wildlife Society Bulletin* 28: 852-864.

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Kirby, Steven R. and Linda J. Young. 2001. Exploring factors affecting atrazine concentration in the Big Blue River Basin. *Applied Statistics in Agriculture* 12: 38-50.

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- Gotway, Carol A. and Linda J. Young. 2002. Combining incompatible spatial data. *Journal of the American Statistical Association*. *In Press*.
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Dille, Anita J., David a Mortensen, and Linda J. Young. 2002. Predicting weed species occurrence based on site properties and previous year's weed presence. *Precision Agriculture* **3**: 193-207.

Beecher, Nancy A., Ron J. Johnson, James R. Brandle, Ronald M. Case, and Linda J. Young. 2002. Agroecology of birds in organic and nonorganic farmland. *Conservation Biology* **16**(6): December issue

Snook, Vaughn A., Edward J. Peters, and Linda J. Young. 2002. Movements and habitat use of hatchery-reared pallid sturgeon in the lower Platte River,

Young, Linda J. 2002. Discussion of papers by Nelsen, Boyce, and McBride in a conference session on diversity in statistics in agriculture, biology, and the environment. *Journal of Agricultural, Biological, and Environmental Statistics* **7**: 320-323.

Gotway, Carol A. and Linda J. Young. 2002. Combining incompatible spatial data. *Journal of the American Statistical Association* **97**: 632-648.

Hou, Qingjiang, Linda J. Young, James R. Brandle, and Michele M. Schoeneberger. 2002. Spatial modeling of biomass in Nebraska windbreaks. *Applied Statistics in Agriculture. In Press.*

Total Number of Refereed Publications: 75

Number of Different Journals: 41 of which 17 are primarily statistical journals and 24 are discipline-specific journals.

PAPERS UNDER REVIEW:

Young, Linda J., Mark E. Payton, and Jerry H. Young. A model of insect sexual preference based on an extension of Polya's urn model. Submitted to *Applied Probability*.

Barrigossi, José A.F., Leon G. Higley, Gary Hein, Linda J. Young. Economic injury levels and sequential sampling plans for Mexican bean beetle (*Coleoptera: Coccinellidae*) on dry beans in the high plains. Submitted to *Journal of Economic Entomology*.

Hayes, Cynthia A., Julie A. Albrecht, David W. Giraud, and Linda J. Young. Folate supplementation of young women for ten weeks: Effect on plasma homocysteine. Submitted to *Journal of Nutrition*.

Hunt, T.E., J.F. Witkowski, L.G. Higley, L.J. Young, and R.L. Hellmich. Local dispersal of adult European corn borer (*Lepidoptera: Crambidae*) from corn. Submitted to *Entomologia Experimentalia y Applicata*.

Yu, Feng, Linda J. Young, and Gary R. Stevens. A Monte Carlo study of population and individual bioequivalence confidence intervals. Submitted to *Statistics in Medicine*.

PAPERS UNDER PREPARATION:

Rezay-Garacani, Taghi, Linda J. Young and J.H. Young. A Monte-Carlo study of multiple comparison procedures applied to discrete data. To be submitted to *Communications in Statistics*.

Young, J.H. and L.J. Young. Spatial relationships of predator and prey of cotton insects. To be submitted to *Entomophaga*.

Young, Linda J. and Jerry H. Young. Further considerations in the use of Wald's SPRT. To be submitted to *Economic Entomology*.

Young, Linda J., Madhuri S. Mulekar, and Mark E. Payton. Corrections factors needed for the 2-SPRT. To be submitted to *Annals of Statistics*.

Young, Linda J. and Jerry H. Young. The 2-SPRT: Comparisons with Wald's SPRT. To be submitted to *Environmental Entomology*.

Young, Linda J., Sandra Murphy and Mark Porath. Analysis of feeding selection experiments. To be submitted to *Journal of Agricultural, Biological and Environmental Statistics*.

Rupasinghe, Champika, James R. Brandle, Linda J. Young. Use of discriminant analysis in shelterbelt studies. To be submitted *Agricultural and Forest Metereology*.

Dielman, Anita, David A. Mortensen, Linda J. Young. A factor analysis approach to predicting the presence of weeds based on soil characteristics. To be submitted to *Weed Science*.

Cahoon, Joel, Dean Eisenhauer, Roger Elmore, Richard Ferguson, Roger Selley, Linda J. Young. Corn and sorghum yield response to tillage with furrow irrigation, II. To be submitted to *Journal of Production Agriculture*.

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Young, Linda J. and Jerry H. Young. 1994. Statistics with agricultural pests and environmental impacts. In *Handbook of Statistics Volume 12: Environmental Statistics*, G.P. Patil and C.R. Rao, Eds. pp. 735-769.

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Young, Linda J. 2001. Species Competition. In the *Encyclopedia of Environmetrics*. A.H. El-Sharaawi and W.W. Piegorsch, Ed.

Young, Linda J. 2002. Design of studies. In *Navigating through Data Analysis, Grades 9-12*. Johnny W. Lott, Ed. *In press*.

Young, Linda J. 2003. Sequential testing in the agricultural sciences. *Applications of Sequential Methodologies*. N. Mukhopadhyay, S. Datta, and S. Chattopadhyay, Eds. *In Press*.

Mulekar, Madhuri S. and Linda J. Young. 2003. Sequential estimation in the agricultural sciences. *Applications of Sequential Methodologies*. N. Mukhopadhyay, S. Datta, and S. Chattopadhyay, Eds. *In Press*.

Gotway Crawford, Carol A. and Linda J. Young. 2003. A spatial view of the ecological inference problem. *Conference Volume on the Ecological Inference Problem*. *In Press*.

BOOKS:

Young, Linda J. and Jerry H. Young. 1998. *Statistical Ecology: A Population Perspective*. Kluwer Academic Publishers.

OTHER PUBLICATIONS:

Young, J.H., L.J. Willson and M.A. Strabala, 1983. Temperature and its effect on cotton and cotton insects. Research report, Agricultural Experiment Station, Oklahoma State University, Stillwater, OK.

Young, J.H. and L.J. Willson, 1983. Cultural control of *Heliothis spp.* Cropping Systems-Oklahoma. 1983 Southern Cooperative Series Bulletin (subjected to peer review).

Young, J.H. and L.J. Willson, 1983. Beneficial insects as control agents of *Heliothis spp.* in Oklahoma. 1983 Southern Cooperative Series Bulletin (subjected to peer review).

Young, J.H., Linda Willson and Ken Pinkston, 1983. Sequential sampling for predators in cotton. Current report, Agricultural Experiment Station, Oklahoma State University, Stillwater, OK.

Young, Jerry H., Linda J. Willson and R.G. Price, 1986. Cotton fleahopper preference of cotton cultivars as oviposition sites. Proceedings of 1986 Beltwide Cotton Production Research Conference: 488-489.

Ha, Sam Bong, Laval M. Verhalen, Jerry H. Young and Linda J. Willson, 1987. Effects of selected morphological traits in cotton in natural infestations of the cotton fleahopper and bollworm. Proceedings of the 1987 Beltwide Cotton Research Conference: 104-105.

Young, Jerry H., Linda J. Willson and J. Alan Stark, 1987. The effects of disruption on cotton insects spatial patterns. Proceedings of the 1987 Beltwide Cotton Research Conference: 281-282.

Stark, J. Alan, Jerry H. Young and Linda J. Willson, 1987. Modeling cotton insect movement. Proceedings of the 1987 Beltwide Cotton Research Conference: 282-284.

Willson, Linda J., Jerry H. Young and J. Alan Stark, 1987. A model of the dynamics of arthropod movement toward equilibrium. Proceedings of the 1987 Beltwide Cotton Research Conference: 284-286.

Young, Linda J. and Jerry H. Young, 1988. The effects of insecticides on the spatial distribution of cotton insects. Proceedings of the 1988 Beltwide Cotton Research Conference.

Seebeck, Katherine, Linda J. Young and Jerry H. Young, 1990. A computing program to develop and evaluate an SPRT for three discrete distributions. Proceedings of Statistical Computing Section of American Statistical Association: 116-121.

Quinn, Linda and Linda J. Young. 1998. A brief history of the poster and project competitions. AMSTAT News 255: 7-9.

Total of Other Publications: 12

SERVICE FUNCTION:

OKLAHOMA STATE UNIVERSITY:

Statistics Department:

Undergraduate Advisor, 1981-1985.
Awards Committee, 1981-1987.
Chairman of Awards Committee, Fall, 1982; 1983-1986.
Personnel Committee, 1985-1990.
Sponsor of Statistics Club, 1985-1986.
Seminar Coordinator, 1985-1990.
Graduate Committee, 1985-1986; 1988-1990.
Computer Committee, 1988-1990.

University:

Phi Kappa Phi Scholarship Committee, Oklahoma State University, 1982-1983.
University Committee for Academic Use of the Computer Center, Oklahoma State University, 1986-1989. Chair of committee, 1987-1988.
Phi Kappa Phi Information Officer, Oklahoma State University, 1983-1986.
College of Arts and Science Honors Committee, Oklahoma State University, 1984-1987.
Chair of Curriculum and Research Committee of Women's Council, Oklahoma State University, 1987-1988.
Vice-President of Women's Council, Oklahoma State University, 1988-1989.

UNIVERSITY OF NEBRASKA:

Biometry Department:

Seminar Committee, 1990-1992, 1993-1995, 1996-1997. Chair of committee, 1990-1992, 1996-1999.
Curriculum Committee, 1990-1993, 1997-1998. Chair of committee, 1997-1999.
Graduate Committee, 1990-1996. Chair of committee, 1993-1996.
Masters Exam Committee, 1993-1995.

University:

Member of Faculty Advisory Council for the College of Agriculture and Natural Resources, University of Nebraska-Lincoln. 1991-1993.
Member of Committee to Develop Masters Program in Survey Research. 1993-1994.
Currently serve on 16 Masters' Committees and 10 Ph.D. Committees.

Member of Academic Senate. 1995-1998.
Member of Academic Rights and Responsibilities Panel. 1995-1998.
Member of Advisory Committee for Gallup Research Center. 1995-1996.
Member of Search Committee for Director of Gallup Research Center. 1995.
Member of Search Committee for Entomology Department Head. 1995.
Member of Honors Convocation Committee. 1997-1998.

AMERICAN STATISTICAL ASSOCIATION:

Vice-President for Academic Affairs, Oklahoma Chapter of American Statistical Association, 1982-1982.
Secretary/Treasurer, Oklahoma Chapter of American Statistical Association, 1983-1987.
Professional Ethics Committee of the American Statistical Association, 1986-1988.
President-Elect, Oklahoma Chapter of American Statistical Association, 1987-1988.
President, Oklahoma Chapter of American Statistical Association, 1988-1989.
Representative to the Council of Chapters, Nebraska Chapter of American Statistical Association, 1991-1995.
Member of the ASA-NCTM Joint Committee on the Curriculum in Statistics and Probability, 1992-1997. Chair of committee for 1994-1995.
Member of the Publications Committee of the Statistics and the Environment Section of ASA, 1991-1992.
Treasurer of the Statistics and the Environment Section of ASA. 1993.
Secretary of the Statistics and the Environment Section of ASA. 1994.
Organizer and Chair of an Invited Session titled "Consulting: Bridging the gap between statistics and the agricultural sciences". 1993 Joint Statistical Meetings, August 8-12, San Francisco, CA.
Coordinator of Judging and Judge of ASA Project Competition. 1993-2000.
Nebraska Chapter had responsibility for the judging 1993-2003.
Work with third graders at Pyrtle Elementary School in Lincoln, NE, as they prepare posters for the ASA Poster Competition, 1992-1995.
Member and Chair of an ad hoc Committee for Proposing a Journal with Emphasis on Statistical Applications in the Biological Sciences. The Board of Directors approved the proposal in August, 1992.
Organizer and Chair of an Invited Session titled "Quantitative Literacy in Action". 1995 Joint Statistical Meetings, August 13-17, Orlando, FL.
Secretary-Treasurer of the Consulting Section of ASA. 1994-1995.
District 4 Vice-Chair to the Council of Chapters. 1995.
Member of Publications Management Committee, 1996-2001.
Member of the Publications Committee, 2001.
Chair-Elect, Chair, Past-Chair of the Council of Sections. 1997, 1998, 1999, respectively..
Member of the Environmental Protection Agency's National Advisory Council for Environmental Policy and Technology's Environmental Information and Public Access Committee. 1998.

Chair of the Strategic Planning Committee for the Council of Sections. 1999.
Chair-Elect, Chair, and Past Chair of the Section on Statistics and the Environment. 2000, 2001, 2002, respectively.
Member, Committee on Committees. 2001.
Vice-President of ASA. 2001-2003.
Chair, Task Force on Membership. 2000-2001.
Chair and member, Organizing Committee, Spatial Statistics: Integrating Statistics, GIS, and Statistical Graphics Workshop sponsored by the American Statistical Association's Section on Statistics and the Environment. 2002.
Chair and member, Nominating committee of American Statistical Association's Section on Statistics and the Environment. 2002.
Member, Committee to Evaluate Student Paper Competition. Statistical Association's Section on Statistics and the Environment. 2002.
Chair, Budget Committee. 2003.
Chair, Magazine Task Force. 2003.

INTERNATIONAL BIOMETRIC SOCIETY AND EASTERN NORTH AMERICAN REGION (ENAR):

Member of the Scientific Program Committee for the 1994 International Biometrics Conference.
Representative for the ENAR to the Elizabeth Scott Award Committee, 1992.
Biometrics Section ASA Program Chair for the 1994 ENAR Spring Meetings Program Committee.
Organizer and Chair of an Invited Session, "The Floods of 1993: A statistical perspective". 1994 ENAR Spring Meetings, April 9-13, Cleveland, Ohio.
Member of the Regional Committee of ENAR. 1995.
Treasurer of ENAR. 1996-1997.
Member of the Council of the International Biometric Society. 1998-2001.
Member of the Program Committee for the 2000 ENAR Meeting.
President-Elect, President, and Past-President. 2000, 2001, 2002, respectively.
Chair and member, Nominating Committee. ENAR. 2002.
Chair and member, Committee for the ENAR Student Paper Competition. 2002.
Member, 2004 Program Committee, International Biometric Conference.

GENERAL STATISTICAL COMMUNITY:

Member, Committee of Presidents of Statistical Societies (COPSS), 2000-2002.
Member and Chair, Nominating Committee for Chair and Secretary/Treasurer of COPSS. 2000.
Member, Board of Directors, National Institute of Statistical Sciences (NISS). 2001-2002.
Member, Executive Committee, Committee for the Committee of Presidents of Statistical Societies.
Chair, Committee of Presidents of Statistical Societies, 2004-2006.

CURRENT INDEX TO STATISTICS:

Contributing Editor to *Current Index to Statistics*, 1987-1996.

Editorial Collaborator to *Current Index to Statistics*, 1986.

JOURNAL OF ENVIRONMENTAL STATISTICS:

Editorial Collaborator, 1992-present.

JOURNAL OF AGRICULTURAL, BIOLOGICAL, AND ENVIRONMENTAL STATISTICS (JABES):

Associate Editor, 1993-present.

Member and Chair of Journal Management Committee (Jointly appointed by the presidents of the American Statistical Association and the International Biometric Society), 1996-2001.

Editor, 2002-2004.

SEQUENTIAL ANALYSIS:

Associate Editor, 2002-present.

TECHNICAL COMMITTEES:

Nebraska representative to NCR-170, *Research Advances in Agricultural Statistics*, 1990-2003t.
Chair for 1991-1992.

Member of American Statistical Association Review Committee for the Environmental Protection Agency's Environmental Monitoring and Assessment Project (EMAP), 1989-1996. Chair of committee for 1989-1990.

Member of American Statistical Association's Technical Advisory Committee for the Environmental Protection Agency's Statistical Consulting Center, 1992- 1995.

Member of the Environmental Protection Agency's Environmental Policy and Technology for the Environmental Statistics Subcommittee of the National Advisory Council for, 1996-1997.

Member and chair of a review committee for the Environmental Protection Agency's Environmental Monitoring and Assessment Program's pilot project in the mid-Atlantic region. 1998.

K-12 EDUCATION:

Member of the ASA-NCTM Joint Committee on the Curriculum in Statistics and Probability, 1992-1997. Chair of committee for 1994-1995.

Worked with third graders at Pyrtle Elementary School in Lincoln, NE, as they prepared posters for the American Statistics Poster Competition, 1992-1995.

Organized and Hosted Elementary Quantitative Literacy Workshop, Lincoln, NE, July 18-22, 1994.

Member of Team leading the first Advanced Placement (AP Statistics Workshop. San Antonio, TX. July 9-14, 1995.

Member of Team leading Elementary Quantitative Literacy Workshop. Lincoln, NE. July 17-21, 1995.

Member of Team leading Elementary Quantitative Literacy Workshop. Oshkosh, NE. July 24-28, 1995.

Member of Team leading Elementary Quantitative Literacy Workshop. Lincoln, NE. July 22-26, 1996.

Proposed the initiation of the Nebraska Poster and Project Competitions. 1995.

Member of Team leading Elementary Quantitative Literacy Workshop. Omaha, NE. Fall, 1996.

Organizer of the Nebraska Poster and Project Competitions. 1998-2000.

Schools visited to promote statistics within the curriculum: Kayhoe Elementary, Lincoln, NE, in 1993; Pyrtle Elementary, Lincoln, NE, in 1996; Clinton Elementary, Lincoln, NE, in 1998.

Co-Leader of the Measurement Event in the 1998 Nebraska Science Olympiad for grades 7 through 9, Lincoln, Nebraska.

Workshop leader for Expanding Your Horizons Workshop, 1993-1996, 1998-1999.

Panelist for Women in Science Conference. Lincoln, Nebraska. April 1, 2000.

Coordinator of Judging and Judge of American Statistics Project Competition. 1993-present.

Member and Chair, Advanced Placement Statistics Test Development Committee. 2001-2005.

POST-SECONDARY EDUCATION:

Took a van load of OSU students to the 1987 ENAR Spring Meeting in Dallas, Texas.

Proposed the Stat Bowl to be patterned after the Entomological Society of America's Linnean games.

1989. First three stat bowls were held in conjunction with the ASA Winter Meetings. Then the Mu Sigma Rho Honor Society and the ASA Statistical Education Section adopted the games and have held them at the Joint Statistical Meetings since 1996.

Took a van load of UNL students to the 1992 Winter Meetings in Louisville, Kentucky. Coached Stat Bowl team that participated in the game.

Took a van load of UNL students to the 1994 Winter Meetings in Atlanta, Georgia. Developed questions for the Stat Bowl. Coached a Stat Bowl team that participated in the game.

Took two van loads of UNL students (with Stephen D. Kachman) to the 1995 Winter Meetings in Raleigh, North Carolina. Developed questions for the Stat Bowl. Coached two Stat Bowl teams, one finished first in the competition.

Coached Stat Bowl teams that participated in the game at the 1996 and 1997 Joint Statistical Meetings.

Served as Emcee for the semi-finals and finals of the Stat Bowl at the 1997 Joint Statistical Meetings in Anaheim, California.

Served as a member of the faculty team that played the winners of the Stat Bowl at the 1999 Joint Statistical Meetings in Baltimore, Maryland.

REVIEWER/REFEREE:

Journal articles have been reviewed for the following journals:

Biometrics

Communications in Statistics, Simulation and Computation

Communications in Statistics, Theory and Methods
The American Statistician
Journal of Economic Entomology
Canadian Entomologist
Ecology
Journal of Statistical Computation and Simulation
Environmental Entomology
Technometrics
Statistics and Probability Letters
Biometrical Journal
Computational Statistics and Data Analysis
Journal of Environmental and Ecological Statistics
Journal of Agricultural, Biological, and Environmental Statistics
Computational Statistics and Data Analysis
American Journal of Public Health
Journal of Agricultural and Food Chemistry
Journal of the American Statistical Association

Served on 1999 NSF Probability and Statistics Screening Panel, 1999 NSF University/Industry Review Panel, 1997 Review Panel for the U.S. Department of the Interior's Grand Canyon Monitoring and Research Center's Proposals, 1997 NSF Materials and Methods in Integrated Assessment Review Panel, 1996 NSF Probability and Statistics Review Panel, 1996 NSF Young Investigators Awards, 1995 and 1997 NSF/EPA Water and Watersheds Environmental Biology Review Panel. Reviewed National Science Foundation proposals for the Computational Biology Activities, Databases, Software Development and Computations, Probability and Statistics, and Ecosystems Programs. Reviewed several books on inference, statistical methods and experimental design.

MASTERS STUDENTS REPORTS ADVISED:

Michelle A. Strabala, 1984. Monte Carlo Simulations of the Analysis of Variance for Discrete Data. Oklahoma State University.

Be-Ny Wu, 1985. A Monte Carlo Study of Five Goodness-of-Fit Tests. Oklahoma State University.

Taghi Rezay-Garacani, 1985. A Monte Carlo Study of Multiple Comparison Procedures Applied to Discrete Data. Oklahoma State University.

Maria Ana Ebron Odejar, 1986. Predicting Rates of Parasitism and Encapsulation of *Bathyplectes* spp. in the Alfalfa Weevil. Oklahoma State University.

Michael D. Sinclair, 1986. A New Look at Insect Aggregation in Agroecosystems. Oklahoma State University.

J. Alan Stark, 1987. An Application of Maxwell-Boltzmann and Bose-Einstein Statistics to the Modeling of Insect Distributions. Oklahoma State University.

Mark E. Payton, 1988. Two Problems Concerning Negative Binomial Distribution: Bounds for Mean-Median Difference and Urn Model for Insect Attraction. Oklahoma State University.

Katherine Seebeck, 1989. A Computer Program to Develop and Evaluate a Wald's Sequential Probability Ratio Test for the Parameters of Three Discrete Distributions. Oklahoma State University.

Lim Siew Joo, 1989. A Computer Program to Develop and Evaluate a 2-SPRT for the Negative Binomial, Binomial, and Poisson Distributions. Oklahoma State University.

Ann L. Oberg, 1994. A Comparison of Two Measures of Competition. University of Nebraska.

Sandra Murphy, 1995. Analysis of Feeding Selection Experiments. University of Nebraska.

Rupasinghe, Champika. 1997. Use of discriminant analysis in shelterbelt studies. University of Nebraska.

Capuano, George A. 1998. The analysis of overdispersed count data from a single factor study. University of Nebraska.

Kirby, Steven R. 2001. Exploring factors affecting atrazine concentration in the Big Blue River Basin. University of Nebraska.

Yu, Feng, Linda J. 2001. Establishing population and individual bioequivalence confidence intervals. University of Nebraska..

Hou, Qingjiang. 2002. Spatial modeling of biomass in Nebraska windbreaks. University of Nebraska.

Li, Qin. 2003. Spatial modeling of biomass in Montana windbreaks. University of Nebraska.

Ph.D. STUDENTS THESES ADVISED:

Madhuri S. Mulekar. 1988. Fixed Sample Selection Procedures and Approximate Kiefer-Weiss Solution for Negative Binomial Populations. Oklahoma State University.

Mark E. Payton. 1991. An Examination of Sequential Procedures for the Testing of Three Hypotheses. Oklahoma State University.

Yuhua Wang. 1998. The Analysis of Count Data in a One-Way Layout and a New Bivariate Negative Binomial Distribution. (Co-Advisor with Dallas E. Johnson). Kansas State University.