

Bibliography

Most of the following references were cited within the text of this book. All, even those not directly cited, contain information that may be of interest to you.

“Questions and Answers.” *SAS Communications*, (1st quarter 1997): 48.

“Technical Support.” *SAS Communications*, vol. 22, no. 4 (4th quarter 1996): 43.

Abbott, David H. 2015. “Rapidly Assessing Data Completeness.” *Proceedings of the Twenty-Third Annual SouthEast SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available http://www.lexjansen.com/sesug/2015/130_Final_PDF.pdf.

Abdurazak, Tugluke. 2002. “Using SAS Macros to Create Automated Excel Reports Containing Tables, Charts and Graphs.” *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p126-27.pdf>.

Aboutaleb, Hany. 1997a. “Printing with SAS 6.10 and 6.11.” *Proceedings of the Pharmaceutical Industry SAS Users Group Conference* 279–282. Cary, NC: SAS Institute Inc.

Aboutaleb, Hany. 1997b. “More about Missing Character Data.” *Proceedings of the Pharmaceutical Industry SAS Users Group Conference* 283–284. Cary, NC: SAS Institute Inc.

Adams, John H. 2003. “The Power of Recursive SAS Macros: How Can a Simple Macro Do So Much?” *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/087-28.pdf>.

Agbenyegah, Delali. 2015. “Tell Me What You Want: Conjoint Analysis Made Simple Using SAS®.” *Proceedings of the SAS Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/3042-2015.pdf>.

Ake, Christopher F., and Arthur L. Carpenter. 2002. “Survival Analysis with PHREG: Using MI and MIANALYZE to Accommodate Missing Data.” *Proceedings of the Tenth Annual Western Users of SAS Software Conference* 102–107. Cary, NC: SAS Institute Inc. Available http://www.wuss.org/proceedings10/analy/3067_3_ANL-Carpenter.pdf.

Ake, Christopher F., and Arthur L. Carpenter. 2003. “Extending the Use of PROC PHREG in Survival Analysis.” *Proceedings of the Eleventh Annual Western Users of SAS Software Conference*. Cary, NC: SAS Institute Inc. Available http://www.lexjansen.com/wuss/2003/DataAnalysis/i-extending_phreg.pdf.

Alden, Kay. 2000. “SAS’ Best Kept Secret: Macro Windows for Applications Development.” *Proceedings of the Twenty-Fifth Annual SAS Users Group International Conference* 465–468. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi25/25/cc/25p076.pdf>.

Allen, Richard R. 2002. “Recovering Lost Lines: Using the Whole Page with Proc Report.” *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 97–102. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pharmasug/2002/proceed/Coders/cc08.pdf>.

Allen, Rick. 2003. “An Automated MS PowerPoint Presentation Using SAS.” *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/092-28.pdf>.

Andresen, Robert. 1997. “Macro and Sample Source Code to Wrap Character Variable Text Conditionally on Two Lines within DATA _Null_-generated Report Column(s).” *Proceedings of the Twenty-Second Annual SAS Users Group International Conference* 453–455. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi22/CODERS/PAPER83.PDF>.

Benjamin, William E., Jr. 1999. “A Pseudo-Recursive SAS Macro.” *Observations: The Technical Journal for SAS Software Users*. Cary, NC: SAS Institute Inc. Available <ftp://ftp.sas.com/techsup/download/observations/obswww18/obswww18.pdf>.

- Bennett, Aileen D. 2001. "Side by Side: Comparing Two Data Sets Using SAS Macros." *Proceedings of the Twenty-Sixth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi26/p097-26.pdf>.
- Bercov, Mark. 1993. "SAS Macros – What's Really Happening?": *Proceedings of the Eighteenth Annual SAS Users Group International Conference* 440–444. Cary, NC: SAS Institute Inc. Republished in *SAS Macro Facility Tips and Techniques, Version 6* (Cary, NC: SAS Institute Inc., 1994), 17–21. Available <http://www.sascommunity.org/sugi/SUG193/Sugi-93-70%20Bercov.pdf>.
- Bessler, LeRoy, and Francesca Pierri. 2002. "%TREND: A Macro to Produce Maximally Informative Trend Charts with SAS/GRAPH, SAS, and ODS for the Web or Hardcopy." *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p093-27.pdf>.
- Bessler, LeRoy. 2003. "Web Communication Effectiveness: Design and Methods to Get the Best Out of ODS, SAS, and SAS/GRAPH." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/130-28.pdf>.
- Beverly, Bryan K. 1999. "'There's Nothing %To It But %To %Do It' – How To Do A Lot With Little Coding." *Proceedings of the Twelfth Annual NorthEast SAS Users Group Conference* 477–478. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug99/po/po093.pdf>.
- Beverly, Bryan K. 2001. "'Note It and Float It': How to Use Automatic Macro Variables and E-mail Services for Error Trapping and End User Notification." *Proceedings of the Twelfth Annual MidWest SAS Users Group Conference* 253–257. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/mwsug/2001/Posters/POS-037-noteitandf.pdf>.
- Billings, Thomas E. 2015. "Strategies for Error Handling and Program Control: Concepts." *Proceedings of the SAS Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/1565-2015.pdf>.
- Blair, Kimberly S. 1998. "Using Macros to Produce Multiple Time Series Graphs." *Proceedings of the Twenty-Third Annual SAS Users Group International Conference* 935–939. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi23/Posters/p168.pdf>.
- Blood, Nancy K. 1992. "Using SAS Macros to Generate Code (So Your Program Can Figure Out What to Do for Itself)." *Proceedings of the Seventeenth Annual SAS Users Group International Conference* 24–28. Cary, NC: SAS Institute Inc. Republished in *SAS Macro Facility Tips and Techniques, Version 6* (Cary, NC: SAS Institute Inc., 1994), 138–142. Available <http://www.sascommunity.org/sugi/SUG192/Sugi-92-06%20Blood.pdf>.
- Borgerding, Joleen, and Akiko Chai. 2000. "Utilizing SAS Functions to Access Variable Information." *Proceedings of the Eighth Annual Western Users of SAS Software Conference* 65–66. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/wuss/2000/WUSS00014.pdf>.
- Bramley, Michael P. D. 2001. "Combining Pattern-Matching and File I/O Functions: A SAS Macro to Generate a Unique Variable Name List." *Proceedings of the Twelfth Annual MidWest SAS Users Group Conference* 32–35. Cary, NC: SAS Institute Inc. Also *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p037-27.pdf>.
- Buchecker, M. Michelle. 1998a. "%FLATFILE, and Make Your Life Easier." *Proceedings of the Eleventh Annual NorthEast SAS Users Group Conference* 645–652. Cary, NC: SAS Institute Inc. Also *Proceedings of the Sixth Annual Western Users of SAS Software Conference* (1998) 24–26. Cary, NC: SAS Institute Inc. Available <ftp://ftp.sas.com/techsup/download/misc/flatfile.pdf>.
- Buchecker, M. Michelle. 1998b. "Dictionary Tables." *Proceedings of the Sixth Annual Western Users of SAS Software Conference* 103–104. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/wuss/1998/WUSS98021.pdf>.
- Bryant, Connie. 1997. "Automated Generation of a SAS Macro Cross-Reference Table." *Proceedings of the Twenty-Second Annual SAS Users Group International Conference* 928–933. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi22/POSTERS/PAPER200.PDF>.

- Bryher, Monique. 1997a. "How Symbolic Variables Can Reduce Code in a Graphics Environment." *Proceedings of the Twenty-Second Annual SAS Users Group International Conference* 37–42. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi22/APPDEVEL/PAPER8.PDF>.
- Bryher, Monique. 1997b. "Building a Simple SAS Macro to Generate SQL Instructions in Frequently Used DB2 Tables." *Proceedings of the Twenty-Second Annual SAS Users Group International Conference* 43–47. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi22/APPDEVEL/PAPER9.PDF>.
- Burlew, Michele M. 2014. *SAS Macro Programming Made Easy, Third Edition*. Cary, NC: SAS Institute Inc. Available https://www.sas.com/store/books/categories/getting-started/sas-macro-programming-made-easy-third-edition/prodBK_66298_en.html
- Burnett-Isaacs, Kate. 2016a. "No More Bad Dates!: A Guide to SAS® Dates in Macro Language." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/7260-2016.pdf>.
- Burnett-Isaacs, Kate. 2016b. "How to Create Data-Driven Lists." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/9540-2016.pdf>.
- Burroughs, Scott. 2001. "A Few Ways to Use Macro Variables, Comparison Operators, and 'other=' , Format Statements to Shorten Your Programs." *Proceedings of the Fourteenth Annual NorthEast SAS Users Group Conference* 307–308. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug01/cc/cc4002.pdf>.
- Carey, Helen, and Ginger Carey. 1996. *SAS Today! A Year of Terrific Tips*. Cary, NC: SAS Institute Inc.
- Carpenter, Arthur L. 1994. "Playing with Macros: Take the Work out of Learning to Do Macros." *Proceedings of the Nineteenth Annual SAS Users Group International Conference* 368–372. Cary, NC: SAS Institute Inc. Available <http://www.sascommunity.org/sugi/SUG194/Sugi-94-69%20Carpenter.pdf>.
- Carpenter, Arthur L. 1996. "Programming for Job Security: Tips and Techniques to Maximize Your Indispensability." *Proceedings of the Twenty-first Annual SAS Users Group International Conference* 1637–1640. Cary, NC: SAS Institute Inc. Available <http://www.sascommunity.org/sugi/SUG196/Sugi-96-262%20Carpenter.pdf>.
- Carpenter, Arthur L. 1997. "Resolving and Using &&var&I Macro Variables." *Proceedings of the Twenty-Second Annual SAS Users Group International Conference* 437–440. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi22/CODERS/PAPER77.PDF>.
- Carpenter, Arthur L. 1998. "Advanced Macro Topics: Utilities and Examples." *Proceedings of the Twenty-Third Annual SAS Users Group International Conference* 287–292. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Fifth Annual Western Users of SAS Software Conference* (1997) 494–499. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi23/Advttutor/p49.pdf>.
- Carpenter, Arthur L. 1999a. "Macro Quoting Functions, Other Special Character Masking Tools, and How to Use Them." *Proceedings of the Twenty-Fourth Annual SAS Users Group International Conference* 237–241. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi24/Advttutor/p38-24.pdf>. Also published in *Proceedings of the Twelfth Annual NorthEast SAS Users Group Conference* (1999) 3–7. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug99/ad/ad088.pdf>. Also published in *Proceedings of the Sixth Annual Western Users of SAS Software Conference* (1998) 453–457. Cary, NC: SAS Institute Inc. Available http://www.sascommunity.org/wiki/Macro_Quoting_Functions,_Other_Special_Character_Masking_Tools,_and_How_to_Use_Them.
- Carpenter, Arthur L. 1999b. "Using ANNOTATE MACROS as Shortcuts." *Proceedings of the Twelfth Annual NorthEast SAS Users Group Conference* 367–372. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Seventh Annual Western Users of SAS Software Conference* (1999) 453–458. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi24/Infovis/p168-24.pdf>.

- Carpenter, Arthur L. 2000a. "Using Macro Functions." *Proceedings of the Twenty-Fifth Annual SAS Users Group International Conference* 24–30. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Eighth Annual Western Users of SAS Software Conference* (2000) 521–527. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi25/25/aa/25p004.pdf>
- Carpenter, Arthur L. 2000b. "Placing Dates in Your Titles: Do It Dynamically." *Proceedings of the Twenty-Fifth Annual SAS Users Group International Conference* 521–523. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Seventh Annual Western Users of SAS Software Conference* (1999) 76–78. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi25/25/cc/25p093.pdf>
- Carpenter, Arthur L. 2001. "Building and Using Macro Libraries." *Proceedings of the Twelfth Annual MidWest SAS Users Group Conference* 151–157. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Ninth Annual Western Users of SAS Software Conference* (2001) 605–610. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* (2002) 191–198. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p017-27.pdf>
- Carpenter, Arthur L. 2002. "Macro Functions: How to Make Them—How to Use Them." *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* (2002) 87–91. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p100-27.pdf>
- Carpenter, Arthur L. 2003. "Creating Display Manager Abbreviations and Keyboard Macros for the Enhanced Editor." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* (2003) 127–130. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/108-28.pdf>
- Carpenter, Arthur L. 2004. "Five Ways to Create Macro Variables: A Short Introduction to the Macro Language." *Proceedings of the Twelfth Annual Western Users of SAS Software Conference (WUSS)*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Annual Pharmaceutical SAS Users Group Conference (PharmaSUG) 2004*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Thirteenth Annual SouthEast SAS Users Group Conference (SESUG) 2005*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the MidWest SAS User Group Conference (MWSUG) 2005*. Cary, NC: SAS Institute Inc. Also presented at WUSS (2009) and PNWSUG (2009). Available http://www.sascommunity.org/wiki/Five_Ways_to_Create_Macro_Variables:_A_Short_Introduction_to_the_Macro_Language.
- Carpenter, Arthur L. 2005. "Make 'em %LOCAL: Avoiding Macro Variable Collisions." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference (PharmaSUG) 2005*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Thirteenth Annual Western Users of SAS Software Conference (WUSS) 2005*. Cary, NC: SAS Institute Inc. Available http://www.caloxy.com/papers/62_TT04.pdf
- Carpenter, Arthur L. 2007. "Advanced PROC REPORT: Getting Your Tables Connected Using Links." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference (PharmaSUG) 2007*. Cary, NC: SAS Institute Inc. Also presented in 2007 at the Fifteenth Annual Western Users of SAS Software Conference (WUSS), in 2008 at MWSUG, in 2009 at WUSS, SESUG, SCSUG, SAS Global Forum, and PNWSUG. Available <http://support.sas.com/resources/papers/proceedings09/026-2009.pdf>
- Carpenter, Arthur L. 2008. "The Path, The Whole Path, And Nothing But the Path, So Help Me Windows." *Proceedings of the SAS Global Forum 2008 Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/forum2008/023-2008.pdf>
- Carpenter, Arthur L. 2009. "Manual to Automatic: Changing Your Program's Transmission." *Proceedings of the Seventeenth Annual Western Users of SAS Software Conference* 2009. Also published in *Proceedings of the Annual Pharmaceutical SAS Users Group Conference (PharmaSUG) 2010*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the SAS Global Forum 2010*

- Conference. Cary, NC: SAS Institute Inc. Available http://www.sas.com/content/dam/SAS/en_ca/User%20Group%20Presentations/Vancouver-User-Group/ArthurCarpenter-ManualtoAuto-2010.pdf.
- Carpenter, Arthur L. 2012. *Carpenter's Guide to Innovative SAS® Techniques*. Cary, NC: SAS Institute Inc. Available http://www.sascommunity.org/wiki/Category:Carpenter%E2%80%99s_Guide_to_Innovative_SA_S_Techniques.
- Carpenter, Arthur L. 2013. "Using PROC FCMP to the Fullest: Getting Started and Doing More." *Proceedings of the SAS Global Forum 2013 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings13/139-2013.pdf>.
- Carpenter, Arthur L. 2014a. "Quotes within Quotes: When Single (‘) and Double (") Quotes are not Enough." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference (PharmaSUG) 2014*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the SAS Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/2221-2015.pdf>.
- Carpenter, Arthur L. 2014b. "Before You Get Started: A Macro Language Preview in Three Parts." *Proceedings of the SAS Global Forum 2014 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings14/1444-2014.pdf>.
- Carpenter, Arthur L. 2014c. "Are You Missing Out? Working with Missing Values to Make the Most of What is not There." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://www.pharmasug.org/proceedings/2014/TT/PharmaSUG-2014-TT02.pdf>.
- Carpenter, Arthur L., and Janice D. Callahan. 1988. "Subsetting Data into Groups for Complete Processing within Each Group." *Proceedings of the Thirteenth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www.sascommunity.org/sugi/SUGI88/Sugi-13-166%20Carpenter%20Callahan.pdf>.
- Carpenter, Arthur L., and Richard O. Smith. 2000. "Clinical Data Management: Building a Dynamic Application." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 151–156. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Eighth Annual Western Users of SAS Software Conference (2000)* 3-8. Cary, NC: SAS Institute Inc. Available http://www.sascommunity.org/wiki/Clinical_Data_Management:_Building_a_Dynamic_Application.
- Carpenter, Arthur L., and Richard O. Smith. 2001. "Library and File Management: Building a Dynamic Application." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 125–132. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Ninth Annual Western Users of SAS Software Conference (2001)* 266–272. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference (2002)*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p021-27.pdf>.
- Carpenter, Arthur L., and Richard O. Smith. 2002. "ODS and Web Enabled Device Drivers: Displaying and Controlling Large Numbers of Graphs." *Proceedings of the Tenth Annual Western Users of SAS Software Conference* 182-189. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Annual Pharmaceutical SAS Users Group Conference (2003)*. Cary, NC: SAS Institute Inc. Available http://www.sascommunity.org/wiki/ODS_and_Web_Enabled_Device_Drivers:_Displaying_and_Controlling_Large_Numbers_of_Graphs.
- Carpenter, Arthur L., and Tony Payne. 1998. "Programming for Job Security Revisited: Even More Tips and Techniques to Maximize Your Indispensability." *Proceedings of the Twenty-Third Annual SAS Users Group International Conference* 1547–1556. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi23/Training/p275.pdf>.
- Carpenter, Arthur L., and Tony Payne. 2001. "A Bit More on Job Security: Long Names and Other V8 Tips." *Proceedings of the Twenty-Sixth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi26/p235-26.pdf>.

- Casas, Angelina Cecilia. 2002. "A Data Dictionary, A More Complete Alternative to Proc Contents." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 79–82. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pharmasug/2002/proceed/Coders/cc04.pdf>.
- Chakravarthy, Venky. 2003. "You Be Your Own QC Cop: Check Your .SAS, .LOG and .LST Dates from within SAS Using Operating System Commands." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pharmasug/2003/CodersCorner/cc099.pdf>.
- Chan, Vincent, and Lorena Ortiz. 2016. "Building Macros for Quick Survey Scoring." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/11521-2016.pdf>.
- Chapman, David D. 2001. "Selecting Unrestricted and Simple Random with Replacement Samples Using Base SAS and PROC SURVEYSELECT." *Proceedings of the Fourteenth Annual NorthEast SAS Users Group Conference* 749–757. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the SAS Global Forum 2012 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings12/347-2012.pdf>.
- Chen, Chang-Min. 2003. "Reading Data from a Large Number of External Files: How to Do It Efficiently?" *Proceedings of the Annual Pharmaceutical SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pharmasug/2003/CodersCorner/cc010.pdf>.
- Chen, Ling Y., and Steven A. Gilbert. 2002. "Run All Your SAS Programs in One Program: Automatically." *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p105-27.pdf>.
- Chen, X. Hong. 2001. "%ToC: A Macro for Generating Table of Contents from SAS Output." *Proceedings of the Twenty-Sixth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi26/p094-26.pdf>.
- Cheng, Alice. 2015. "How to Speed Up Your Validation Process Without Really Trying?" *Proceedings of the Twenty-Third Western Users of SAS Software Conference*. Cary, NC: SAS Institute Inc. Available http://www.lexjansen.com/wuss/2015/86_Final_Paper_PDF.pdf.
- Cheng, Alice M. 1999. "Robust Programming Techniques in the SAS System." *Proceedings of the Twelfth Annual NorthEast SAS Users Group Conference* 494–503. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug99/po/po159.pdf>.
- Cheng, Alice M., Michael R. Wise, and Justina M. Flavin. 2016. "How to Speed Up Your Validation Process Without Really Trying?" *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/10840-2016.pdf>.
- Cheng, Wei. 2000. "RPT_UTIL: A SAS Macro for Enhancing Reports in Clinical Trials." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 59–64. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pharmasug/2000/Coders/cc03.pdf>.
- Chow, Ming H. 1999. "SAS MACRO: As a Dynamic Code Generator." *Proceedings of the Twelfth Annual NorthEast SAS Users Group Conference* 504–507. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug99/po/po176.pdf>.
- Chung, Chang Y., and John King. 2009. "IS THIS MACRO PARAMETER BLANK?" *Proceedings of the SAS Global Forum 2009 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings09/022-2009.pdf>.
- Cohen, Barry R. 1998. "Supporting the 'Program-Analyze-Write-Review' Process with a Development Environment for Base SAS and the Macro Language." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 63–68. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi23/Appdevel/p28.pdf>.
- Cohen, John J. 1998. "A Tutorial on the SAS Macro Language." *Proceedings of the Eleventh Annual NorthEast SAS Users Group Conference* 221–226. Cary, NC: SAS Institute Inc. Also presented at the SAS Global Forum 2012 Conference. Available <http://support.sas.com/resources/papers/proceedings12/249-2012.pdf>.

- Conley, Brian. 2000. "Saving Time with Variable Labels." *Proceedings of the Thirteenth Annual NorthEast SAS Users Group Conference* 259–260. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug00/cc/cc4001.pdf>.
- Crawford, Peter. 2016. "More Hidden Base SAS® Features to Impress Your Colleagues." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/2120-2016.pdf>.
- Croonen, Nancy, and Henri Theuwissen. 2002. "Table Lookup: Techniques Beyond the Obvious." *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p011-27.pdf>.
- Culp, Jennifer C. 1991. "Using SAS Macros with SAS/AF and SAS/FSP Software in Developing User-Friendly Applications." *Proceedings of the Sixteenth Annual SAS Users Group International Conference* 196–203. Cary, NC: SAS Institute Inc. Republished in *SAS Macro Facility Tips and Techniques, Version 6* (Cary, NC: SAS Institute Inc., 1994), 93–100. Available <http://www.sascommunity.org/sugi/SUGI91/Sugi-91-37%20Culp.pdf>.
- Davis, Michael. 2001. "You Could Look It Up: An Introduction to SASHELP Dictionary Views." *Proceedings of the Twenty-Sixth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Thirteenth Annual NorthEast SAS Users Group Conference* (2000) 177–186. Cary, NC: SAS Institute Inc. Available <http://www.ats.ucla.edu/stat/sas/library/nesug00/bt3004.pdf>.
- Davis, Neil. 1997. "Rapid Applications Development Using the SAS System." *Proceedings of the Twenty-Second Annual SAS Users Group International Conference* 18–24. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi22/APPDEVEL/PAPER5.PDF>.
- DiIorio, Frank C. 1999. "Removing Macro Variables from the SAS Environment." *Proceedings of the Seventh Annual SouthEast SAS Users Group Conference* 214–216. Cary, NC: SAS Institute Inc. Available <http://analytics.ncsu.edu/sesug/1999/109.pdf>.
- diTommaso, Dante. 2003. "Taking Control of Macro Variables." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/095-28.pdf>.
- Dorfman, Paul M. 2001. "QuickSorting an Array." *Proceedings of the Twenty-Sixth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi26/p096-26.pdf>.
- Duling, David R. 2015. "Make Better Decisions with Optimization." *Proceedings of the SAS Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/SAS1785-2015.pdf>.
- Dynder, Andrea, Barry R. Cohen, and Gary Cunningham. 2000. "A SAS Macro for Creating a Standard Directory Structure." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 3–8. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pharmasug/2000/AppDev/ad01.pdf>.
- Eberhardt, Peter. 2016. "Solving the 1,001-Piece Puzzle in 10 (or Fewer) Easy Steps: Using SASv9.cfg, autoexec.sas, SAS Registry, and Options to Set Up Base SAS®." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/11700-2016.pdf>.
- Eddlestone, Mary-Elizabeth. 1997. "Getting the Most out of "INTO" in PROC SQL: An Example for Creating Macro Variables." *Proceedings of the Tenth Annual NorthEast SAS Users Group Conference* 307–308. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug97/coders/edllesto.pdf>.
- Edgington, Jim, and Jay Zhou. 2002. "Post-processing MPRINT Outputs to Generate Macro-Free Code." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 477–482. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pharmasug/2002/proceed/TechTech/tt14.pdf>.
- Ewing, Daphne. 2002. "Macros: Data Listings with Power." *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p185-27.pdf>.

- Fahmy, Adel. 2003. "Duplicates: Any Database, Any Client, Any Time." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 189-194. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pharmasug/2003/DataManagement/dm008.pdf>.
- Fehd, Ronald. 1997a. "%ARRAY: Construction and Usage of Arrays of Macro Variables." *Proceedings of the Twenty-Second Annual SAS Users Group International Conference* 447-450. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Twenty-Ninth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi29/070-29.pdf>.
- Fehd, Ronald. 1997b. "%SHOWCOMB: A Macro to Produce a Data Set with Frequency of Combinations of Responses from Multiple-Response Data." *Proceedings of the Twenty-Second Annual SAS Users Group International Conference* 939-943. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi22/POSTERS/PAPER204.PDF>.
- Fehd, Ronald. 1997c. "%CHECKALL: A Macro to Produce a Frequency of Response Data Set from Multiple-Response Data." *Proceedings of the Twenty-Second Annual SAS Users Group International Conference* 1084-1088. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi22/POSTERS/PAPER236.PDF>.
- Fehd, Ronald. 2000. "The Writing for Reading SAS Style Sheet: Tricks, Traps & Tips from SAS-L's Macro Maven." *Proceedings of the Twenty-Fifth Annual SAS Users Group International Conference* 217-220. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the SouthEast SAS Users Group Conference* (1999) 16-18. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Fourteenth Annual NorthEast SAS Users Group Conference* (2001) 133-136. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi25/25/ad/25p038.pdf>.
- Fehd, Ronald. 2001. "A Beginner's Tour of a Project Using SAS Macros Led by SAS-L's Macro Maven." *Proceedings of the Twenty-Sixth Annual SAS Users Group International Conference*. Also published in *Proceedings of the Fourteenth Annual NorthEast SAS Users Group Conference* (2001) 214-222. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi26/p066-26.pdf>.
- Fehd, Ronald J. 2014. "Macro Design Ideas: Theory, Template, Practice." *Proceedings of the SAS Global Forum 2014 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings14/1899-2014.pdf>.
- Fehd, Ronald J., and Art Carpenter. 2007. "List Processing Basics: Creating and Using Lists of Macro Variables." *Proceedings of the SAS Global Forum 2007 Conference*. Cary, NC: SAS Institute Inc. Available http://www.sascommunity.org/wiki/List_Processing_Basics_Creating_and_Using_Lists_of_Macro_Variables.
- Felty, Kelly, and Diane Nicholson. 1999. "The Power of PAGEOF (A Valuable Page Numbering Macro)." *Proceedings of the Twenty-Fourth Annual SAS Users Group International Conference* 543-546. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi24/Coders/p081-24.pdf>.
- Ferriola, Frank. 2016. "Avoid Change Control by Using Control Tables." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/10662-2016.pdf>.
- Ferriola, Frank, and Avery Long. 2015. "Standardizing the Standardization Process." *Proceedings of the SAS Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/3209-2015.pdf>.
- First, Steven. 2001a. "Advanced Macro Topics." *Proceedings of the Twenty-sixth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference* (2002). Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p020-27.pdf>.
- First, Steven. 2001b. "An Introduction to SAS Macros." *Proceedings of the Twenty-Sixth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi26/p153-26.pdf>.

- Flavin, Justina M., and Arthur L. Carpenter. 2000. "Taking Control and Keeping It: Creating and Using Conditionally Executable SAS Code." *Proceedings of the Twenty-Fifth Annual SAS Users Group International Conference* 517–520. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Twenty-Sixth Annual SAS Users Group International Conference* (2001). Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Eighth Annual Western Users of SAS Software Conference* (2000) 81–84. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi26/p074-26.pdf>.
- Flavin, Justina M., and Arthur L. Carpenter. 2003. "Is the Legend in Your SAS/GRAPH Output Telling the Right Story?" *Proceedings of the Eleventh Annual Western Users of SAS Software Conference* (2003). Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Twenty-Ninth Annual SAS Users Group International Conference* (2004). Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* (2004). Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi29/086-29.pdf>.
- Frankel, David S., and Mark A. Kochanski. 1991. "A Debugging Facility for SAS Macro Systems." *Proceedings of the Sixteenth Annual SAS Users Group International Conference* 209–214. Cary, NC: SAS Institute Inc. Republished in *SAS Macro Facility Tips and Techniques, Version 6* (Cary, NC: SAS Institute Inc., 1994), 53–58. Available <http://www.lexjansen.com/scsug/1993/SCSUG93009.pdf>.
- Friendly, Michael. 1991. *SAS System for Statistical Graphics*. Cary, NC: SAS Institute Inc. Available <http://www.datavis.ca/books/sssg/>.
- Galligan, Olena. 2011. "Has Anybody Opened My File? Find Out Before Trying to Update it." *Proceedings of the Nineteenth Annual Western Users of SAS Software Conference*. Cary, NC: SAS Institute Inc. Available http://www.wuss.org/proceedings11/Papers_Galligan_O_74889.pdf.
- Gau, Linda C. 1999. "Using SAS Software Window to Dynamically Manage Your Routine Programs." *Proceedings of the Twenty-Fourth Annual SAS Users Group International Conference*, Miami Beach, FL 575–577. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Sixth Annual Western Users of SAS Software Conference* (1998) 114–116. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi24/Coders/p091-24.pdf>.
- Geary, Hugh. 1997. "A Macro Tool for Quickly Producing a Handy Documented Listing of SAS Data Sets for Use as a Reference While Writing Programs to Analyze the Same." *Proceedings of the Twenty-Second Annual SAS Users Group International Conference* 949–954. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi22/POSTERS/PAPER206.PDF>.
- Gerlach, John R. 1997. "The Six Ampersand Solution." *Proceedings of the Tenth Annual NorthEast SAS Users Group Conference* 629–630. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug97/posters/gerlach.pdf>.
- Gerlach, John.R., and Simant Misra. 2002. "Splitting a Large SAS Data Set." *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p083-27.pdf>.
- Gershteyn, Yefim. 2002. "Macro for Restoring SAS Transport Files." *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p081-27.pdf>.
- Gilmore, Jodie, and Linda Helwig. 1990. "Debugging Your SAS Macro Application under VMS: A Practical Approach." *Proceedings of the Fifteenth Annual SAS Users Group International Conference* 825–831. Cary, NC: SAS Institute Inc. Republished in *SAS Macro Facility Tips and Techniques, Version 6* (Cary, NC: SAS Institute Inc., 1994), 66–72. Cary, NC: SAS Institute Inc. Available <http://www.sascommunity.org/sugi/SUG190/Sugi-90-139%20Gilmore%20Helwig.pdf>.
- Glass, Roberta, and Louise Hadden. 2016. "Document and Enhance Your SAS® Code, Data Sets, and Catalogs with SAS Functions, Macros, and SAS Metadata." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/8300-2016.pdf>.
- Goddard, Jonathan R. 2003. "Efficient Reporting with Large Numbers of Variables: A SAS Method." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/150-28.pdf>.

- Gondara, Lovedeep. 2014. "Generating Dynamic Tables Using PROC SQL and PROC TABULATE." *Proceedings of the SAS Global Forum 2014 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings14/1594-2014.pdf>.
- Graebner, Robert W. 1998. "Generating SAS Source Code with SAS Macros." *Proceedings of the Twenty-Third Annual SAS Users Group International Conference* 440–441. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi23/Coders/p81.pdf>.
- Graham, Brandon, and Scott Osowski. 2013. "Avoiding SAS Data Set Locks in a Windows Environment." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference, PharmaSUG*. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pharmasug/2013/BB/PharmaSUG-2013-BB13.pdf>.
- Grant, Paul. 1994. "The 'SKIP' Statement." *Proceedings of the Second Annual Western Users of SAS Software Conference* 87–88. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Twenty-Third Annual SAS Users Group International Conference* 426–427. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Eleventh Annual NorthEast SAS Users Group Conference* (1998) 335–336. Cary, NC: SAS Institute Inc. Available <http://www.ats.ucla.edu/stat/sas/library/nesug98/p142.pdf>.
- Gunshenan, Michael. 2003. "A SAS Macro for Simple Statistical Summary." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pharmasug/2003/Posters/P089.pdf>.
- Hadden, Louise. 2003. "What's in a Map? A Macro-Driven Drill-Down Geo-Graphical Representation System." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/135-28.pdf>.
- Hadden, Louise. 2015. "Better Metadata Through SAS® II: %SYSFUNC, PROC DATASETS, and Dictionary Tables." *Proceedings of the SAS® Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/3458-2015.pdf>.
- Hahl, Thomas J., and Philip R. Shelton. 1995. "Input/Output." *Observations: The Technical Journal for SAS Software Users*, vol. 4, no. 2 (1st quarter): 76–78. Cary, NC: SAS Institute Inc.
- Hahl, Thomas J., and Philip R. Shelton. 1996. "Dropping Variables That Have Only Missing Values." *Observations: The Technical Journal for SAS Software Users*, vol. 5, no. 4 (3rd quarter): 18–22. Cary, NC: SAS Institute Inc.
- Hamilton, Jack. 1998. "Some Utility Applications of the Dictionary Tables in PROC SQL." *Proceedings of the Sixth Annual Western Users of SAS Software Conference* 85–90. Cary, NC: SAS Institute Inc. Available http://www.albany.edu/~msz03/epi697/papers/sql_diet.pdf.
- Hamilton, Jack. 2000. "Workarounds for SASWare Ballot Items." *Proceedings of the Twenty-Fifth Annual SAS Users Group International Conference* 1158–1162. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi25/25/po/25p223.pdf>.
- Hamilton, Jack. 2001. "How Many Observations Are in My Data Set?" *Proceedings of the Twenty-Sixth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi26/p095-26.pdf>.
- Hayden, Vanessa. 2002. "Bulletproofing Your SAS Results." *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p098-27.pdf>.
- Heaton, Edward. 2001. "Top-Down Programming with SAS Macros." *Proceedings of the Fourteenth Annual NorthEast SAS Users Group Conference* 67–75. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Fourteenth Annual SouthEast SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available http://analytics.ncsu.edu/sesug/2006/AP04_06.PDF.
- Heaton-Wright, Lawrence. 2003. "The SAS DATA Step/Macro Interface." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Also presented at the 2005 PhUse Conference. Available <http://www.lexjansen.com/phuse/2005/ts/ts09.pdf>.

- Henderson, Don. 2014. "PROC STREAM and SAS® Server Pages: Generating Custom HTML Reports." *Proceedings of the SAS Global Forum 2014 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings14/1738-2014.pdf>.
- Henderson, Don, and Arthur L. Carpenter. 2012. "Macro Programming Best Practices: Styles, Guidelines and Conventions Including the Rationale Behind Them." Presented at the SAS Global Forum 2012 Conference. Notes from the panel discussion available http://www.sascommunity.org/wiki/Macro_Programming_Best_Practices:_Styles,_Guidelines_and_Conventions_Including_the_Rationale_Behind_Them.
- Henry, Joseph. 2015. "REST at Ease with SAS®: How to Use SAS to Get Your REST." *Proceedings of the SAS Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/SAS1927-2015.pdf>.
- Hessel, Colin. 1998. "Introducing the SAS System for Windows into a UNIX Statistical Computing Environment: Challenges from a User's Perspective." *Proceedings of the Sixth Annual Western Users of SAS Software Conference* 370–372. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/wuss/1998/WUSS98085.pdf>.
- Hirabayashi, Sharon Matsumoto. 2001. "%ABC_FREQ: A SAS Macro Utility to Generate Enhanced Frequency Reports." *Proceedings of the Fourteenth Annual NorthEast SAS Users Group Conference* 619–628. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug01/ps/ps8005.pdf>.
- Holland, Philip R. 2016. "Writing Reusable Macros." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/6503-2016.pdf>.
- Howell, Andrew. 2015. "To %Quote or not to %Quote? That is the question.. (which drives SAS® Macro programmers around the bend.)" *Proceedings of the SAS Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/3268-2015.pdf>.
- Huang, Liping. 2003. "Report? Make It Easy—An Example of Creating Dynamic Reports into Excel." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/101-28.pdf>.
- Hubbell, Katie A. 1990. "Conquering the Dreaded Macro Error." *Proceedings of the Fifteenth Annual SAS Users Group International Conference*, Nashville, TN, 1–7. Republished in *SAS Macro Facility Tips and Techniques, Version 6* (Cary, NC: SAS Institute Inc. 1994), 59–65. Available <http://www.lexjansen.com/nesug/nesug89/NESUG89019.pdf>.
- Hughes, Troy Martin. 2014a. "From a One-Horse to a One-Stoplight Town: A Base SAS Solution to Preventing Data Access Collisions through the Detection and Deployment of Shared and Exclusive File Locks." *Proceedings of the Twenty-Second Annual Western Users of SAS Software Conference*. Cary, NC: SAS Institute Inc. Available http://www.lexjansen.com/wuss/2014/69_Final_Paper_PDF.pdf.
- Hughes, Troy Martin. 2014b. "Why Aren't Exception Handling Routines Routine? Toward Reliably Robust Code through Increased Quality Standards in Base SAS." *Proceedings of the Twenty-Fifth Annual MidWest SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://www.mwsug.org/proceedings/2014/BB/MWSUG-2014-BB17.pdf>.
- Hughes, Troy Martin. 2016a. "Sorting a Bajillion Records: Conquering Scalability in a Big Data World." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/11888-2016.pdf>.
- Hughes, Troy Martin. 2016b. "SAS® Spontaneous Combustion: Securing Software Portability through Self-Extracting Code." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/11768-2016.pdf>.
- Izrael, David, David C. Hoaglin, and Michael P. Battaglia. 2000. "A SAS Macro for Balancing a Weighted Sample." *Proceedings of the Twenty-Fifth Annual SAS Users Group International Conference* 1350–1355. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi25/25/st/25p258.pdf>.

- Jaffe, Jay A. 1999. "SAS Macros: Beyond the Basics." *Proceedings of the Twenty-Fourth Annual SAS Users Group International Conference* 881–890. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Sixth Annual Western Users of SAS Software Conference* (1998), 523–532. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi24/Handson/p149-24.pdf>.
- Jensen, Karl, and Matt Greathouse. 2000. "The Autocall Macro Facility in the SAS for Windows Environment." *Proceedings of the Twenty-Fifth Annual SAS Users Group International Conference* 463–464. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi25/25/cc/25p075.pdf>.
- Jia, Justin, and Amanda Lin. 2015. "Yes, SAS® can do! --- Manage External Files With SAS Programming." *Proceedings of the SAS Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/3262-2015.pdf>.
- Jiang, Jonson C. 2003. "Macros Used to Create Descriptive Statistic Summary Table of Neurotoxicity Scores." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 135–138. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pharmasug/2003/CodersCorner/cc029.pdf>.
- Jin, Jiang, Ye Jin, and Diane Wang. 2003. "If Only 'Page 1 of 1000.'" *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/081-28.pdf>.
- Johnson, Jim. 2001. "Programming Squared (Writing Programs That Write Programs)." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 423–428. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Fourteenth Annual NorthEast SAS Users Group Conference* (2001) 76–81. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug01/at/at1011.pdf>.
- Johnson, Martha, and Michael Gilman. 1993. "Submitting Macro Language Code in Window Commands." *Observations: The Technical Journal for SAS Software Users*, vol. 2, no. 4 (3rd quarter): 50–54. Cary, NC: SAS Institute Inc.
- Kelley, Francis J. 2003. "So Many Files, So Little Time (or Inclination) to Type Their Names: Spreadsheets by the Hundreds." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/074-28.pdf>.
- Kelly, Tim. 2000. "SASHELP: A Backstage Pass." *Proceedings of the Thirteenth Annual NorthEast SAS Users Group Conference* 269–270. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug00/cc/cc4008.pdf>.
- Kenney, Tim. 1999. "Using SAS Macros to Automate External File Identification and Manipulation—The Power of %SYSFUNC." *Proceedings of the Seventh Annual Western Users of SAS Software Conference* 90–93. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/wuss/1999/WUSS99021.pdf>.
- Kowitz, Kevin P. 2000. "Variable and Format Consistency - A Macro Approach for Reading in Flat Files." *Proceedings of the Twenty-Fifth Annual SAS Users Group International Conference* 1186–1188. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi25/25/po/25p229.pdf>.
- Krenzke, Tom, Katie Hubbell, Mamadou Diallo, Amita Gopinath, and Sixia Chen. 2014. "Data Coarsening and Data Swapping Algorithms." *Proceedings of the SAS Global Forum 2014 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings14/1603-2014.pdf>.
- Kretzman, Peter. 1992. "Ifs, Ands, and Buts: A Case Study in Advanced Macro Implementation." *Proceedings of the Seventeenth Annual SAS Users Group International Conference* 176–182. Cary, NC: SAS Institute Inc. Republished in *SAS Macro Facility Tips and Techniques, Version 6* (Cary, NC: SAS Institute Inc., 1994), 143–149. <http://www.sascommunity.org/sugi/SUGI92/Sugi-92-33%20Kretzman.pdf>
- Kunselman, Thomas E. 2001. "Sinking the Big Hole: Using SAS/IntrNet Application Dispatcher Version 8 Features to Drill Down to the Depths of Your Data." *Proceedings of the Ninth Annual Western*

- Users of SAS Software Conference* 463–468. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/wuss/2001/WUSS01092.pdf>.
- Lafler, Kirk Paul. 2010. “Exploring DICTIONARY Tables and SASHELP Views.” *Proceedings of the SAS® Global Forum 2010 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings10/155-2010.pdf>.
- Lafler, Kirk Paul. 2015. “Hands-On SAS Macro Programming Essentials for New Users.” *Proceedings of the SAS Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/2506-2015.pdf>.
- Lafler, Kirk Paul. 2016. “SAS Debugging 101.” *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/2748-2016.pdf>.
- Landers, K. Larry, and Monique Bryher. 1997. “Taking the Mystery out of SAS MACRO When Using CALL SYMPUT.” *Proceedings of the Fifth Annual Western Users of SAS Software Conference* 29–34. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Twenty-Third Annual SAS Users Group International Conference* 445–450. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi23/Coders/p83.pdf>.
- Langston, Richard D. 2013. “A Macro to Verify a Macro Exists.” *Proceedings of the SAS Global Forum 2013 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings13/339-2013.pdf>.
- Langston, Richard D. 2015a. “New Macro Features Added in SAS® 9.3 and SAS® 9.4.” *Proceedings of the SAS® Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/SAS1575-2015.pdf>.
- Langston, Richard D. 2015b. “Don't Be a Litterbug: Best Practices for Using Temporary Files in SAS.” *Proceedings of the SAS® Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/SAS1573-2015.pdf>.
- Larsen, Erik S. 2001. “A Macro to Center Text in a DATA _NULL_ Step.” *Proceedings of the Twenty-Sixth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Twelfth Annual NorthEast SAS Users Group Conference* (1999) 322–323. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Eighth Annual SouthEast SAS Users Group Conference* (2000). Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi26/p087-26.pdf>.
- LeBouton, Kimberly J., and Thomas W. Rice. 2000. “Smokin’ with UNIX Pipes.” *Proceedings of the Twenty-Fifth Annual SAS Users Group International Conference* 555–558. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi25/25/cc/25p103.pdf>.
- Leighton, Ralph W. 1997. “SAS Macros - A Gentle Introduction for the Fearful.” *Proceedings of the Twenty-Second Annual SAS Users Group International Conference* 25–30. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi22/APPDEVEL/PAPER6.PDF>.
- Leprince, Daniel J., and Elizabeth Li. 2003. “A Plot and a Table per Page Times Hundreds in a Single PDF File.” *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Also available in *Proceedings of the Eleventh Annual Western Users of SAS Software Conference* (2003). Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/141-28.pdf>.
- Levin, Lois. 2001. “SAS Programming Conventions.” *Proceedings of the Fourteenth Annual NorthEast SAS Users Group Conference* 838–844. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/241-28.pdf>.
- Levine, Howard. 1989. “Building Macro-Based Systems.” *Proceedings of the Fourteenth Annual SAS Users Group International Conference* 96–102. Cary, NC: SAS Institute Inc. Republished in *SAS Macro Facility Tips and Techniques, Version 6* (Cary, NC: SAS Institute Inc., 1994), 37–43. Available <http://www.sascommunity.org/sugi/SUGI89/Sugi-89-15%20Levine.pdf>.
- Li, Arthur X. 2010. “When Best to Use the %LET Statement, the SYMPUT Routine, or the INTO Clause to Create Macro Variables.” *Proceedings of the SAS Global Forum 2010 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings10/028-2010.pdf>.

- Liang, Shuhua, and Fagen Xie. 2016. "Increasing Efficiency by Parallel Processing." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/10780-2016.pdf>.
- Litzsinger, Michael A., Lisa K. Brooks, and Michael A. Riddle. 2002. "A Modular Approach to Portable Programming." *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. An earlier version of this paper written by Michael A. Litzsinger and Lisa Kaye Brooks was published in *Proceedings of the Fourteenth Annual NorthEast SAS Users Group Conference* (2001) 152–159. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p034-27.pdf>.
- Long, Ying. 2003. "Space Odyssey: Concatenate Zip Files into One Master File." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/072-28.pdf>.
- Lopez, Roberto. 1998. "%MAKFMT: A Dynamic Approach to Format Creation." *Proceedings of the Eleventh Annual NorthEast SAS Users Group Conference* 660–668. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug98/solu/p144.pdf>.
- Lopez, Victor A., and Bill Knowlton. 2016. "Data Review Listings on Auto-Pilot: Using SAS® and Windows Server to Automate Reports and Flag Incremental Data Records." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/10841-2016.pdf>.
- Lougee, Claudine. 2016. "To Macro or not to Macro: That Is the Question." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/11822-2016.pdf>.
- Lund, Pete. 2016. "Something Old, Something New: Flexible Reporting with DATA Step-based Tools." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/10040-2016.pdf>.
- Lund, Pete. 1998. "Need More 'Functionality'? Using the SAS Macro Language to Create User-Written Functions." *Proceedings of the Seventeenth Annual Pacific Northwest SAS Users Group Conference* 84–91. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pnwsug/1998/PNWSUG98013.pdf>.
- Lund, Pete. 2000a. "A Macro Utility for Generating Formatted Log Comments." *Proceedings of the Twenty-fifth Annual SAS Users Group International Conference* 480–483. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi25/25/cc/25p080.pdf>.
- Lund, Pete. 2000b. "My Favorite Functions." *Proceedings of the Twenty-Fifth Annual SAS Users Group International Conference* 484–486. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi25/25/cc/25p081.pdf>.
- Lund, Pete. 2001a. "Make Your Life a Little Easier: A Collection of SAS Macro Utilities." *Proceedings of the Twenty-Sixth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Ninth Annual Western Users of SAS Software Conference* (2001) 92–101. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/wuss/2001/WUSS01021.pdf>.
- Lund, Pete. 2001b. "A Macro Utility for Generating Formatted Log Comments." *Proceedings of the Ninth Annual Western Users of SAS Software Conference* 104–107. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/wuss/2001/WUSS01023.pdf>.
- Lund, Pete. 2001c. "My Favorite Functions: Using the SAS Macro Language to Create User-Written Functions." *Proceedings of the Ninth Annual Western Users of SAS Software Conference* (2001) 629–635. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/wuss/2001/WUSS01130.pdf>.
- Lund, Pete. 2002. "A Quick and Easy Data Dictionary Macro." *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Tenth Annual Western Users of SAS Software Conference* (2002) 7–12. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p099-27.pdf>.
- Lund, Pete. 2003a. "SAS Helps Those Who Help Themselves: Creating Tools to Aid in Your Application Development." *Proceedings of the Twenty-Eighth Annual SAS Users Group International*

- Conference. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/029-28.pdf>.
- Lund, Pete. 2003b. "Make Your Life a Little Easier: A Collection of SAS Macro Utilities." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/085-28.pdf>.
- Lund, Pete. 2003c. "Keep Those Formats Rolling: A Macro to Manage the FMTSEARCH= Option." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/116-28.pdf>.
- Luo, Haining, and Haiping Luo. 2003. "Building a Metadata Repository for Data Sets." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/045-28.pdf>.
- Mace, Michael A. 1997. "Using %WINDOW to Obtain User Criteria for Reports." *Proceedings of the Tenth Annual NorthEast SAS Users Group Conference* 761–765. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the 1999 MidWest SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/mwsug/1999/paper17.pdf>.
- Mace, Michael A. 1998. "Obtaining User Criteria without Editing the Code." *Proceedings of the Eleventh Annual NorthEast SAS Users Group Conference* 669–674. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the 1999 MidWest SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/mwsug/1999/paper19.pdf>.
- Mace, Michael A. 1999. "Using &SYSBUFFR to Gather User Input." *Proceedings of the Twelfth Annual NorthEast SAS Users Group Conference* 324–325. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug99/cc/cc146.pdf>.
- Mace, Michael A. 2000. "Using %WINDOW to Gather User Criteria." *Proceedings of the Twenty-Fifth Annual SAS Users Group International Conference* 142–146. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Thirteenth Annual NorthEast SAS Users Group Conference* 610–614. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi25/25/ad/25p022.pdf>.
- Mace, Michael A. 2002. "%WINDOW: You Can Talk to the Users, and They Can Talk Back." *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p192-27.pdf>.
- Mace, Michael A. 2003. "%WINDOW: Get the Parameters the User Wants and You Need." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/021-28.pdf>.
- Mahnken, Jonathan D. 2002. "Many-to-Many Merging Using the SAS Macro Facility." *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p089-27.pdf>.
- Maldonado, Miguel, Jared Dean, Wendy Czika, and Susan Haller. 2014. "Leveraging Ensemble Models in SAS® Enterprise Miner™." *Proceedings of the SAS Global Forum 2014 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings14/SAS133-2014.pdf>.
- Mao, Cailiang. 2001. "Automate and Customize Printing of SAS Output in UNIX." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 87–88. Cary, NC: SAS Institute Inc. Available http://www.lexjansen.com/pharmasug/2001/Proceed/Coders/CC03_mao.pdf.
- Mao, Sam. 2003. "Cross-Referencing Data Contents and Case Report Form." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pharmasug/2003/CodersCorner/cc028.pdf>.
- Mason, Phil. 2016. "Creating Amazing Visualisations With SAS® Stored Processes and Javascript Libraries." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/6960-2016.pdf>.
- Mast, Greg. 1997. "Managing Disk Space with SAS." *Proceedings of the Twenty-Second Annual SAS Users Group International Conference* 1536–1541. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi22/TRAINING/PAPER325.PDF>.

- Matise, Joe. 2015. "Unravelling the Knot of Ampersands." *Proceedings of the SAS Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/3285-2015.pdf>.
- McCartney, Jeff, and Raymond Hu. 2001. "SAS Shorts: Valuable Tips for Everyday Programming." *Proceedings of the Fourteenth Annual NorthEast SAS Users Group Conference* 92–97. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug01/at/at1013.pdf>.
- McMullen, Quentin. 2012. "%Assert() your way to sleep-filled nights: A one line data validation macro." *Proceedings of the Twenty-Fifth Annual NorthEast SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug12/cc/cc31.pdf>.
- Michel, Denis. 2005. "CALL EXECUTE: A Powerful Data Management Tool." *Proceedings of the Thirtieth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi30/027-30.pdf>.
- Michelsen, Jesper. 2014a. "ODBC Connection to a Database using Keywords and SAS® Macros." *Proceedings of the SAS Global Forum 2014 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings14/1297-2014.pdf>.
- Michelsen, Jesper. 2014b. "What's on my Mainframe? A macro that gives you a solid overview of your data on the mainframe." *Proceedings of the SAS Global Forum 2014 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings14/1296-2014.pdf>.
- Miralles, Romain. 2016. "Developing an On-Demand Web Report Platform Using Stored Processes and SAS® Web Application Server." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/10740-2016.pdf>.
- Molter, Michael, Scott Millard, and Steve Paciocco. 2003. "Dynamically Building SQL Queries Using Metadata Tables and Macro Processing." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/043-28.pdf>.
- Moors, David. 2016. "Importing Metadata Programmatically Using the SAS® Batch Import Tool." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/6463-2016.pdf>.
- Moriak, Chris. 2005. "Making Remote Processing Less Remote." *Proceedings of the Eighteenth Annual NorthEast SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug05/io/io2.pdf>.
- Morrill, John, Kristi Wiser, and Jay Zhou. 2002. "A Data-Driven Macro Automating the Data Presentation Process by Generating Tailored, Customizable SAS Code: Relax, Let %TABGEN Do Your Work!" *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 43–48. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pharmasug/2002/proceed/AppDev/ad10.pdf>.
- Mounib, Edgar L., and Thiru Satchi. 2000. "Matched Sampling Using SAS Software." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 275–280. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pharmasug/2000/Posters/p07.pdf>.
- Muller, Roger D. 2014. "Managing the Organization of SAS® Format and Macro Code Libraries in Complex Environments Including PC SAS, SAS® Enterprise Guide®, and UNIX SAS." *Proceedings of the SAS Global Forum 2014 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings14/1862-2014.pdf>.
- Muller, Roger D. 2016. "Considerations in Organizing the Structure of SAS® Macro Libraries." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/11887-2016.pdf>.
- Murphy, William C. 2003a. "Using a SAS Macro to Document the Database." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/091-28.pdf>.

- Murphy, William C. 2003b. "Filling Report Templates with the SAS System and DDE." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/217-28.pdf>.
- Murphy, William C. 2007. "Changing Data Set Variables into Macro Variables." *Proceedings of the SAS Global Forum 2007 Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/forum2007/050-2007.pdf>.
- Musterer, Robert, and Owen Jiang. 1995. "Use of the CALL EXECUTE Routine to Pass a List of Variables from a DATA Step to a PROC Step." *Proceedings of the Eighth Annual NorthEast SAS Users Group Conference* 552–554. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug95/NESUG95103.pdf>.
- Noda, Art, Helena Chmura Kraemer, and Vyjeyanthi S. Periyakoil. 2000. "Using SAS to Calculate Kappa and Confidence Intervals for Binary Data with Multiple Raters, and for the Consensus of Multiple Diagnoses." *Proceedings of the Eighth Annual Western Users of SAS Software Conference* (2000) 154–159. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/wuss/2000/WUSS00034.pdf>.
- Norton, Andrew A. 1991. "Screen Control Language versus Macros in Batch Environments." *Proceedings of the Sixteenth Annual SAS Users Group International Conference* 1325–1330. Cary, NC: SAS Institute Inc. Republished in *SAS Macro Facility Tips and Techniques, Version 6* (Cary, NC: SAS Institute Inc., 1994), 106–111. Cary, NC: SAS Institute Inc. Available <http://www.sascommunity.org/sugi/SUGI91/Sugi-91-237%20Norton.pdf>.
- O'Connor, Susan M. 1991. "A Roadmap to Macro Facility Error Messages and Debugging." *Proceedings of the Sixteenth Annual SAS Users Group International Conference* 215–222. Cary, NC: SAS Institute Inc. Republished in *SAS Macro Facility Tips and Techniques, Version 6* (Cary, NC: SAS Institute Inc., 1994), 73–80. Cary, NC: SAS Institute Inc. Available <http://www.sascommunity.org/sugi/SUGI91/Sugi-91-40%20OConnor.pdf>.
- O'Connor, Susan M. 1992. "Macros Invocation Hierarchy: Session Compiled, Autocall, and Compiled Stored Macros." *Proceedings of the Seventeenth Annual SAS Users Group International Conference* 19–23. Cary, NC: SAS Institute Inc. Republished in *SAS Macro Facility Tips and Techniques, Version 6* (Cary, NC: SAS Institute Inc., 1994), 101–105. Cary, NC: SAS Institute Inc. Available <http://www.sascommunity.org/sugi/SUGI92/Sugi-92-05%20OConnor.pdf>.
- O'Connor, Susan M. 1998. "Macro Internals for the User - Developer's Overview." *Proceedings of the Seventh Annual SouthEast SAS Users Group Conference* (1999). Cary, NC: SAS Institute Inc. Available <http://analytics.ncsu.edu/sesug/1999/027.pdf>.
- O'Connor, Susan. 1999. "Secrets of Macro Quoting Functions—How and Why." *Proceedings of the Twelfth Annual NorthEast SAS Users Group Conference* 228–239. Cary, NC: SAS Institute Inc. Available <http://www.ats.ucla.edu/stat/sas/library/nesug99/bt185.pdf>.
- Olaleye, David. 1998. "Using SAS MACRO Facility and DATA Step Functions for Automated and Selective Deletion of Records with Missing Information." *Proceedings of the Eleventh Annual NorthEast SAS Users Group Conference* 675–684. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug98/solu/p098.pdf>.
- Otteson, Rebecca, and Leanne Goldstein. 2015. "Getting Your Hands on Reproducible Graphs." *Proceedings of the SAS Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/3432-2015.pdf>.
- Pahmer, Emmy. 2014. "Making the Log a Forethought Rather Than an Afterthought." *Proceedings of the SAS Global Forum 2014 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings14/1556-2014.pdf>.
- Pahmer, Emmy. 2015. "Did Your Join Work Properly?" *Proceedings of the SAS Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/1762-2015.pdf>.
- Palmer, Lynn. 1997. "Methods of Finding a Small Group of Records in Two Million without Using Merge." *Proceedings of the Fifth Annual Western Users of SAS Software Conference* 381–386. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/wuss/1997/WUSS97092.pdf>.

- Palmer, Lynn. 1998. "Use Call Symput for More Informative Titles and Footnotes." *Proceedings of the Sixth Annual Western Users of SAS Software Conference* 110–113. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/wuss/1998/WUSS98024.pdf>.
- Palmer, Lynn. 2001. "Use Call Symput and %SYSFUNC for More Informative Titles and Footnotes." *Proceedings of the Twenty-Sixth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi26/p088-26.pdf>.
- Parker, Chevell. 2014. "Secrets from a SAS Technical Support Guy: Combining the Power of the SAS® Output Delivery System with Microsoft Excel Worksheets." *Proceedings of the SAS Global Forum 2014 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings14/SAS177-2014.pdf>.
- Parker, Chevell. 2015. "Staying Relevant in a Competitive World: Using the SAS® Output Delivery System to Enhance, Customize, and Render Reports." *Proceedings of the SAS® Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/SAS1880-2015.pdf>.
- Parker, Peter. 2000. "SAS Software Macros - You're Only Limited by Your Imagination." *Proceedings of the Eighth Annual SouthEast SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Thirteenth Annual NorthEast SAS Users Group Conference* (2000) 53–62. Cary, NC: SAS Institute Inc. Available <http://analytics.ncsu.edu/sesug/2000/p-308.pdf>.
- Parker, Peter. 2003. "Using SAS Software to Analyze Web Logs." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/026-28.pdf>.
- Pass, Ray. 1998. "What We Really Need Is a %BY Statement." *Proceedings of the Twenty-Third Annual SAS Users Group International Conference* 428–429. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Eleventh Annual NorthEast SAS Users Group Conference* (1998) 337–338. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi23/Coders/p77.pdf>.
- Pass, Ray. 2000. "What We Really Need Is a %BY Statement—V2." *Proceedings of the Twenty-Fifth Annual SAS Users Group International Conference* 492–493. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Thirteenth Annual NorthEast SAS Users Group Conference* (2000). Also *Proceedings of the Fourteenth Annual NorthEast SAS Users Group Conference* (2001) 327–328. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi25/25/cc/25p083.pdf>.
- Peszek, Iza, and John Toxell. 2000. "An Interactive SAS Macro Catalog." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 387–394. Cary, NC: SAS Institute Inc.
- Peterson, Donald W. 1999. "Customized Pagination Using %PAGEOFNO Macro." *Proceedings of the Twenty-Fourth Annual SAS Users Group International Conference* 547–548. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi24/Coders/p082-24.pdf>.
- Phillips, Jeff, Veronica Walgamotte, and Derek Drummond. 1993. "Warning: Apparent Macro Invocation Not Resolved... Techniques for Debugging Macro Code." *Proceedings of the Eighteenth Annual SAS Users Group International Conference* 424–429. Cary, NC: SAS Institute Inc. Republished in *SAS Macro Facility Tips and Techniques, Version 6* (Cary, NC: SAS Institute Inc., 1994), 47–52. Cary, NC: SAS Institute Inc. Available <http://www.sascommunity.org/sugi/SUGI94/Sugi-94-68%20Phillips%20Walgamotte%20Drummond.pdf>.
- Piet, John M. 2000. "Table Lookup on the Fly Using SYMPUT and SYMGET." *Proceedings of the Twenty-Fifth Annual SAS Users Group International Conference* 473–476. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi25/25/cc/25p078.pdf>.
- Plath, Robert. 2002. "Optimum Sampling by Ratio Estimation." *Proceedings of the Tenth Annual Western Users of SAS Software Conference* 135–141. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/wuss/2002/WUSS02029.pdf>.
- Pochon, Philip M., and Thomas H. Burger. 1998. "Validation of SAS Macro Systems." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 90–94. Cary, NC: SAS Institute Inc. Available http://www.lexjansen.com/pharmasug/1998/DATA_VAL/POCHON.PDF.

- Price, Jennifer. 1998. "Using AUTOEXEC.SAS to Customize SAS Sessions." *Proceedings of the Eleventh Annual NorthEast SAS Users Group Conference* 555–556. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug98/post/p040.pdf>.
- Pugh, Dorothy E. 2000. "A Robust Generalized Axis-Scaling SAS Macro." *Proceedings of the Eighth Annual SouthEast SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://analytics.ncsu.edu/sesug/2000/p-412.pdf>.
- Rajecki, Aldona A., and Eric E. Kahle. 2000. "SAS Extract Macro to Create a Comma Delimited File for Microsoft Excel 97 Import." *Proceedings of the Thirteenth Annual NorthEast SAS Users Group Conference* 279–280. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug00/cc/cc4013.pdf>.
- Rasheed, Harun, and Amarnath Vijayarangan. 2014. "Chasing the log file while running the SAS® program." *Proceedings of the SAS Global Forum 2014 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings14/1762-2014.pdf>.
- Ravi, Prasad. 2003. "Renaming All Variables in a SAS Data Set Using the Information from PROC SQL's Dictionary Tables." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/118-28.pdf>.
- Reading, Pamela L. 2000. "Using SAS to Write SAS - Automate Your Programming Tasks." *Proceedings of the Eighth Annual SouthEast SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi26/p092-26.pdf>.
- Ren, Quan. 1999. "Designing User Interface by Using the Macro Facility." *Proceedings of the Twenty-Fourth Annual SAS Users Group International Conference* 578–579. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi24/Coders/p092-24.pdf>.
- Rhoades, Stephen. 2001. "Recursion? SAS? Let's Fake It!" *Proceedings of the Fourteenth Annual NorthEast SAS Users Group Conference* 652–657. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug01/ps/ps8013.pdf>.
- Rhoads, Amy, and Kent Letourneau. 2002. "You CAN Save Your Log and View It, Too: An Improved Process for Automatically Saving the Contents of the Log and Output Windows." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 107–111. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pharmasug/2002/proceed/Coders/cc10.pdf>.
- Riba, S. David. 1997. "Self-Modifying SAS Programs: A DATA Step Interface." *Observations: The Technical Journal for SAS Software Users*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Ninth Annual NorthEast SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug96/NESUG96029.pdf>.
- Riba, S. David. 2000. "How to Use the Data Step Debugger." *Proceedings of the Eighth Annual Western Users of SAS Software Conference* 586–594. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Twenty-Fifth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi25/25/btu/25p052.pdf>.
- Roberts, Clark. 1997. "Building and Using Macro Variable Lists." *Proceedings of the Twenty-Second Annual SAS Users Group International Conference* 441–443. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi22/CODERS/PAPER78.PDF>.
- Rook, Christopher J., and Shi-Tao Yeh. 2001. "SAS Macros as File Management Utility Programs." *Proceedings of the Twenty-Sixth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Fourteenth Annual NorthEast SAS Users Group Conference* (2001) 663–667. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi26/p219-26.pdf>.
- Roper, Christopher A. 2001. "Accessing and Utilizing the Win32 API from SAS." *Proceedings of the Fourteenth Annual NorthEast SAS Users Group Conference* 170–175. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Twenty-Sixth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi26/p281-26.pdf>.
- Rosenbloom, Mary F. O., and Art Carpenter. 2011. "Macro Quoting to the Rescue: Passing Special Characters." *Proceedings of the Nineteenth Annual Western Users of SAS Software Conference*

2011. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Pharmaceutical SAS Users Group 2012 Conference*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the SAS Global Forum 2013 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings13/005-2013.pdf>.
- Rosenbloom, Mary F. O., and Art Carpenter. 2014. "Are You a Control Freak? Control Your Programs – Don't Let Them Control You!" *Proceedings of the Twenty-Second Annual Western Users of SAS Software Conference*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the SAS Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/2220-2015.pdf>.
- Sadof, Michael G. 1997. "Macros from Beginning to Mend: A Simple and Practical Approach to the SAS Macro Facility." *Proceedings of the Tenth Annual NorthEast SAS Users Group Conference* 257–263. Cary, NC: SAS Institute Inc. Available <http://www.ats.ucla.edu/stat/sas/library/nesug99/bt066.pdf>.
- SAS Institute Inc. 2014. "Using Macro Variables in SCL Programs." *SAS 9.4 Component Language: Reference*, 3d ed. Cary, NC: SAS Institute Inc. Discusses macro variables, and the substitution of text in SUBMIT blocks. Available <http://support.sas.com/documentation/cdl/en/sclref/67564/HTML/default/n1mjbfsazcqunan1oe605j0rcfq4.htm>.
- SAS Institute Inc. 2015. *SAS 9.4 Macro Language: Reference*, 4th ed. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/documentation/cdl/en/mcrolref/67912/PDF/default/mcrolref.pdf>.
- Satchi, Thiru. 2000. "Using the Host-Variable 'INTO:' in PROC SQL." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 273–274. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pharmasug/2000/Posters/p06.pdf>.
- Satchi, Thiru. 2001. "Using the Magical Keyword 'INTO:' in PROC SQL." *Proceedings of the Fourteenth Annual NorthEast SAS Users Group Conference* 253–259. Cary, NC: SAS Institute Inc. Also *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p071-27.pdf>.
- Sattler, Jim. 2003. "A Table-Driven Solution for Clinical Data Submission." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/040-28.pdf>.
- Schwarz, Kate. 2015. "Feeling Anxious about Transitioning from Desktop to Server? Key Considerations to Diminish Your Administrators' and Users' Jitters." *Proceedings of the SAS Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/SAS1750-2015.pdf>.
- Shen, Yanyun. 2003. "A Simplified and Efficient Way to Map Variable Attributes of a Clinical Data Warehouse." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/117-28.pdf>.
- Shi, Changhong and Sylvianne B. Roberge. 2003. "Application of Some Advanced PROC SQL Features in Clinical Trial Programming." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 195–200. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pharmasug/2003/datamanagement/dm012.pdf>.
- Shilling, Brian C., and Timothy A. Kelly. 2001. "Open a Window and Lock the Door: A User Friendly Application That Maintains Validation Integrity." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 407–414. Cary, NC: SAS Institute Inc. Available http://www.lexjansen.com/pharmasug/2001/Proceed/TechTech/TT10_shilling.pdf.
- Shtern, Elena. 2014. "Useful Tips When Deploying SAS® Code in a Production Environment." *Proceedings of the SAS Global Forum 2014 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings14/SAS258-2014.pdf>.
- Sissing, Lori. 2014. "%LET Me Help You Improve Your Reporting." *Proceedings of the Twenty-Fifth Annual MidWest SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://mwsug.org/proceedings/2014/BI/MWSUG-2014-BI09.pdf>.

- Sisson, Emily K.Q. 2016. "File Management Using Pipes and X Commands in SAS®." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/8780-2016.pdf>.
- Smiley, Christine A. 1999. "A Fast Format Macro - How to Quickly Create a Format by Specifying the Endpoints." *Proceedings of the Twenty-Fourth Annual SAS Users Group International Conference* 585–588. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi24/Coders/p096-24.pdf>.
- Smith, Curtis A. 1999. "Dynamically Creating a Where Statement." *Proceedings of the Twenty-Fourth Annual SAS Users Group International Conference* 600–602. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Sixth Annual Western Users of SAS Software Conference* (1998) 125–127. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi24/Coders/p101-24.pdf>.
- Smith, Curtis A. 2003. "Creating Drill-Down Graphs Using SAS/GRAPH and the Output Delivery System." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Tenth Annual Western Users of SAS Software Conference* (2002) 223–228. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/149-28.pdf>.
- Smith, Richard, and Art Carpenter. 2000. "The Lost Art of Annotate." *Proceedings of the Twenty-Fifth Annual SAS Users Group International Conference* 1050–1054. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Seventh Annual Western Users of SAS Software Conference* (1999) 420–424. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi25/25/po/25p199.pdf>.
- Smith, Robert W. 1997. "Visual Hypothesis Testing with Confidence Intervals." *Proceedings of the Twenty-Second Annual SAS Users Group International Conference* 1252–1257. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi22/STATS/PAPER270.PDF>.
- Spicer, Jeanne. 2003. "'I'll Have What She's Having': Serving Up Meta-data to Academic Research Teams." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/230-28.pdf>.
- Spotts, Bruce. 2002. "A Macro to Help with Accurate Output Documentation." *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p097-27.pdf>.
- Squire, Jonathan. 1999. "Stop Counting Those Columns: A Macro Shell for Assigning Column Locations in Data_NULL_Reporting." *Proceedings of the Seventh Annual Western Users of SAS Software Conference* 115–116. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/wuss/1999/WUSS99028.pdf>.
- Sridharma, Selvaratnam. 2003. "Splitting a Large SAS Data Set." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/075-28.pdf>.
- Stanley, Don. 1994. *Beyond the Obvious with SAS Screen Control Language*. Cary, NC: SAS Institute Inc.
- Staum, Roger. 2002. "To Err Is Human; to Debug, Divine." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 345–355. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p064-27.pdf>.
- Stokke, Delayne. 2000. "Controlling Print Setup Options from within a Windows SAS Program." *Proceedings of the Twenty-Fifth Annual SAS Users Group International Conference* 452–457. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi25/25/cc/25p073.pdf>.
- Stroupe, Jane. 2003. "Nine Steps to Get Started Using SAS Macros." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference* (2003). Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/056-28.pdf>.

- Stuelpner, Janet E. 1997. "Skipping, the Easy Way." *Proceedings of the Twenty-Second Annual SAS Users Group International Conference* 451–452. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi22/CODERS/PAPER82.PDF>.
- Suhr, Diana D. 2001. "%MACRO SKIP: My Favorite SAS Trick." *Proceedings of the Ninth Annual Western Users of SAS Software Conference* 542–543. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/wuss/2001/WUSS01109.pdf>.
- Sun, Eric, and Arthur L. Carpenter. 2011. "Protecting Macros and Macro Variables: It Is All About Control." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://www.pharmasug.org/proceedings/2011/AD/PharmaSUG-2011-AD17.pdf>
- Sun, Jeff F. 1998. "Update a Two-Dimensional Matrix Using the Macro Facility." *Proceedings of the Twenty-Third Annual SAS Users Group International Conference* 437–439. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi23/Coders/p80.pdf>.
- Talbott, Helen-Jean, and Earl R. Westerlund. 1998. "How to Sort Production Reports Prior to Printing." *Proceedings of the Twenty-Third Annual SAS Users Group International Conference* 1039–1043. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi23/Posters/p188.pdf>.
- Tangedal, Mike. 2001. "The Ultimate SAS Macro (Make SAS Do All the Work!)." *Proceedings of the Twenty-Sixth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi26/p090-26.pdf>.
- Tassoni, Charles John, Baibai Chen, and Clara Chu. 1997. "One-to-One Matching of Case/Controls Using SAS Software." *Proceedings of the Twenty-Second Annual SAS Users Group International Conference* 1189–1190. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi22/POSTERS/PAPER257.PDF>.
- Teberg, John. 2002. "Jumping through the Months, with the Help of %SYSFUNC." *Proceedings of the Tenth Annual Western Users of SAS Software Conference* 65–67. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/wuss/2002/WUSS02014.pdf>.
- Thompson, Paul A. 2015. "Structuring your SAS® Applications for Long - Term Survival: Reproducible Methods in Base SAS® Programming." *Proceedings of the SAS® Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/3187-2015.pdf>.
- Thornton, S. Patrick. 1999. "SAS Macro Application Development: Automating the DATA Step and INPUT Processes." *Proceedings of the Seventh Annual Western Users of SAS Software Conference* 55–59. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/wuss/1999/WUSS99011.pdf>.
- Thornton, S. Patrick. 2014. "Tools of the SAS® Trade: A Centralized Macro-based Reporting System." *Proceedings of the SAS Global Forum 2014 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings14/1640-2014.pdf>.
- Tindall, Bruce M., and Susan M. O'Connor. 1991. "Macro Tricks to Astound the Folks on Thursday Morning: Ten Immediately Useful Macro Techniques." *Proceedings of the Sixteenth Annual SAS Users Group International Conference* 189–195. Cary, NC: SAS Institute Inc. Republished in *SAS Macro Facility Tips and Techniques, Version 6* (Cary, NC: SAS Institute Inc., 1994), 117–123. Available <http://www.sascommunity.org/sugi/SUGI91/Sugi-91-36%20Tindall%20OConnor.pdf>.
- Tomb, Michael E., and James R Carter. 2001. "Macros with Global Vision: Using the SAS Dictionary Tables to Create Tools." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 271–278. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Fifteenth Annual NorthEast SAS Users Group Conference* (2002). Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug02/ps/ps011.pdf>.
- Troxell, John K. 2001. "Complex Macros v. Simple Programs: Resolving the Conflict." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 381–382. Cary, NC: SAS Institute Inc. Available http://www.lexjansen.com/pharmasug/2001/Proceed/TechTech/TT05_troxell.pdf.
- Troxell, John K. 2002. "Bulletproofing and Knowledge Encapsulation in Statistical Macros." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 467–470. Cary, NC: SAS Institute

- Inc. Also published in the 2003 *Proceedings of the SouthEast SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://analytics.ncsu.edu/sesug/2003/AD07-Troxell.pdf>.
- Troxell, John K., and Chang-Min Chen. 2003. "Invisible Environmental Awareness Techniques." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pharmasug/2003/TechnicalTechniques/tt075.pdf>.
- Tze, Sylvia. 2000. "A Case-Transforming Macro for More Readable Test." *Proceedings of the Twenty-Fifth Annual SAS Users Group International Conference* 477–479. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi25/25/cc/25p079.pdf>.
- Vandenbroucke, David A. 2016. "A Universal File Flattener." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/1780-2016.pdf>.
- Varney, Brian. 2016. "Greenspace: A Macro to Improve a SAS® Data Set Footprint." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/8180-2016.pdf>.
- Viergever, William. 2003. "Tips from the Hood: Challenging Problems and Tips from SAS-L." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/020-28.pdf>.
- Vijayarangan, Amarnath. 2016. "Virtual Accessing of a SAS® Data Set Using OPEN, FETCH, and CLOSE Functions with %SYSFUNC and %DO Loops." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/8140-2016.pdf>.
- Virgile, Bob. 1997. "Magic with CALL EXECUTE." *Proceedings of the Twenty-Second Annual SAS Users Group International Conference* 465–466. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi22/CODERS/PAPER86.PDF>.
- Virgile, Robert. 2013. *SAS Macro Language Magic: Discovering Advanced Techniques*. Cary, NC: SAS Institute Inc. Available http://www.sas.com/store/prodBK_66301_en.html.
- Wang, Deli. 2015. "CREATIVE USES OF VECTOR PLOTS USING SAS®." *Proceedings of the SAS Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/2242-2015.pdf>.
- Wang, Xiaohui. 2003. "Techniques to Create a Standard Folder Structure in a Windows NT/XP Share Area for Submission Projects and Their Protocols." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pharmasug/2003/TechnicalTechniques/tt078.pdf>.
- Ward, David L. 1999. "Managing SAS Programs." *Proceedings of the Twenty-Fourth Annual SAS Users Group International Conference* 528–530. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi24/Coders/p076-24.pdf>.
- Ward, David. 2001. "Using Recursion in the SAS System." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 97–98. Cary, NC: SAS Institute Inc. Available http://www.lexjansen.com/pharmasug/2001/Proceed/Coders/CC12_ward.pdf.
- Watts, Perry. 2002a. "Using ODS and the Macro Facility to Construct Color Charts and Scales for SAS Software Applications." *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p125-27.pdf>.
- Watts, Perry. 2002b. *Multiple-Plot Displays: Simplified with Macros*. Cary, NC: SAS Institute Inc.

- Watts, Perry. 2003a. "Advanced Programming Techniques for Working with Color in SAS Software." *Proceedings of the Sixteenth Annual NorthEast SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Twenty-Ninth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi29/091-29.pdf>.
- Watts, Perry. 2003b. "Working with RGB and HLS Color Coding Systems in SAS Software." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/234-28.pdf>.
- Werner, Nina L. 2014. "[Understanding Double Ampersand \[&&\] SAS® Macro Variables](#)." *Proceedings of the Twenty-Fifth Annual MidWest SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://mwsug.org/proceedings/2014/BI/MWSUG-2014-BI03.pdf>.
- Westerlund, Earl R. 1991. "SAS Macro Language Features for Application Development." *Proceedings of the Sixteenth Annual SAS Users Group International Conference* 245–248. Cary, NC: SAS Institute Inc. Republished in *SAS Macro Facility Tips and Techniques, Version 6* (Cary, NC: SAS Institute Inc., 1994), 89–92. Available <http://www.sascommunity.org/sugi/SUGI91/Sugi-91-45%20Westerlund.pdf>.
- Whitaker, Ken. 1989. "Using Macro Variable Lists." *Proceedings of the Fourteenth Annual SAS Users Group International Conference* 1531–1536. Cary, NC: SAS Institute Inc. Republished in *SAS Macro Facility Tips and Techniques, Version 6* (Cary, NC: SAS Institute Inc., 1994), 154–159. Available <http://www.sascommunity.org/sugi/SUGI89/Sugi-89-287%20Whitaker.pdf>.
- White, Michael L. 2001. "A SAS Macro to Isolate All Date Values from a Data Library into a SAS Dataset." *Proceedings of the Twenty-Sixth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi26/p098-26.pdf>.
- Whitlock, H. Ian. 1993. "A Macro to Make External Flat Files." *Proceedings of the Eighteenth Annual SAS Users Group International Conference* 258–263. Cary, NC: SAS Institute Inc. Republished in *SAS Macro Facility Tips and Techniques, Version 6* (Cary, NC: SAS Institute Inc., 1994) 225–230. Available <http://www.sascommunity.org/sugi/SUGI93/Sugi-93-43%20Whitlock.pdf>.
- Whitlock, H. Ian. 1997. "CALL EXECUTE: How and Why." *Proceedings of the Twenty-Second Annual SAS Users Group International Conference* 410–414. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi22/CODERS/PAPER70.PDF>.
- Whitlock, Ian. 1998. "The RESOLVE Function: What Is It Good For?" *Proceedings of the Eleventh Annual NorthEast SAS Users Group Conference* 352–353. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug98/code/p088.pdf>.
- Whitlock, Ian. 1999a. "Getting Started with Macro." *Proceedings of the Twenty-Fourth Annual SAS Users Group International Conference* 434–443. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Twelfth Annual NorthEast SAS Users Group Conference* (1999) 274–283. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the SouthEast SAS Users Group Conference* (1999). Cary, NC: SAS Institute Inc. Available <http://www.ats.ucla.edu/stat/sas/library/nesug99/bt046.pdf>.
- Whitlock, Ian. 1999b. "Make Your Own Macro Processor." *Proceedings of the Twelfth Annual NorthEast SAS Users Group Conference* 356–357. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Seventh Annual SouthEast SAS Users Group Conference* (1999). Cary, NC: SAS Institute Inc. Available <http://analytics.ncsu.edu/sesug/1999/104.pdf>.
- Whitlock, Ian. 1999c. "An OBS Limit with a WHERE Condition." *Proceedings of the Seventh Annual SouthEast SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://analytics.ncsu.edu/sesug/1999/103.pdf>.
- Whitlock, Ian. 2000a. "Macro Design Considerations for a Word Wrapping Macro." *Proceedings of the Eighth Annual SouthEast SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://analytics.ncsu.edu/sesug/2000/p-411.pdf>.
- Whitlock, Ian. 2000b. "Dictionary Files." *Proceedings of the Thirteenth Annual NorthEast SAS Users Group Conference* 303–304. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug00/cc/cc4024.pdf>.

- Whitlock, Ian. 2001a. "SAS Macro: The First Steps to Power." *Proceedings of the Fourteenth Annual NorthEast SAS Users Group Conference* 283–292. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug01/bt/bt3012.pdf>.
- Whitlock, Ian. 2001b. "What User Defined Formats Are Available?" *Proceedings of the Fourteenth Annual NorthEast SAS Users Group Conference* 349–350. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug01/cc/cc4024.pdf>.
- Whitlock, Ian. 2003a. "A Serious Look at Macro Quoting." *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/011-28.pdf>.
- Widawski, Mel. 1997a. "A General Purpose Macro to Obtain a List of Files: Plus Macro Programming Techniques." *Proceedings of the Fifth Annual Western Users of SAS Software Conference* 94–99. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi23/Coders/p82.pdf>.
- Widawski, Mel. 1997b. "A General System for Custom Conversion of dBase Data into SAS." *Proceedings of the Fifth Annual Western Users of SAS Software Conference* 255–260. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/wuss/1997/WUSS97055.pdf>.
- Widawski, Mel. 1999. "Beginners Guide to Flexibility: Macro Variables." *Proceedings of the Seventh Annual Western Users of SAS Software Conference* 504–508. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Eighth Annual Western Users of SAS Software Conference* (2000) 475–479. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/wuss/2000/WUSS00084.pdf>.
- Widawski, Mel. 2002. "Flexible Code the Easy Way: SAS Macro Variables." *Proceedings of the Tenth Annual Western Users of SAS Software Conference* 570–574. Cary, NC: SAS Institute Inc. Updated and presented in *Proceedings of the Fourteenth Annual Western Users of SAS Software Conference* (2006). Cary, NC: SAS Institute Inc. Available http://www.lexjansen.com/wuss/2006/SAS_essentials/ESS-Widawski.pdf.
- Williams, Christianna S. 2001. "Wholly MACRO! A Handful of Techniques to Simplify Your SAS Code and Make It Recyclable." *Proceedings of the Fourteenth Annual NorthEast SAS Users Group Conference* 293–302. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug01/bt/bt3013.pdf>.
- Wilson, Nancy K. 2015. "Getting Your SAS® Program to do Your Typing for You!" *Proceedings of the SAS Global Forum 2015 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings15/3474-2015.pdf>.
- Wobus, Diana Zhang, and John Charles Gober. 1997. "A Step-by-Step Illustration of Building a Data Analysis Tool with Macros." *Proceedings of the Twenty-Second Annual SAS Users Group International Conference* 226–232. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi22/ADVTUTOR/PAPER42.PDF>.
- Wong, Steve. 2002. "Don't Copy This Program: Use SYSPARM Instead." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 83–85. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/pharmasug/2002/proceed/Coders/cc05.pdf>.
- Wright, Wendi L. 2001. "Creating Macro Calls Using PROC FREQ." *Proceedings of the Fourteenth Annual NorthEast SAS Users Group Conference* 706–710. Cary, NC: SAS Institute Inc. Updated and represented in *Proceedings of the Seventeenth Annual NorthEast SAS Users Group Conference*. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug04/pm/pm09.pdf>.
- Wu, William, Steven Li, and Yun Guan. 2016. "Importing Data Directly from PDF into SAS® Data Sets." *Proceedings of the SAS Global Forum 2016 Conference*. Cary, NC: SAS Institute Inc. Available <http://support.sas.com/resources/papers/proceedings16/9320-2016.pdf>.
- Xia, Huanhong, and Richard Birkenmaier. 2001. "P-Value Calculation Made Easy with the SAS Call Execute Routine." *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 89–92. Cary, NC: SAS Institute Inc. Available http://www.lexjansen.com/pharmasug/2001/proceed/coders/cc01_xia.pdf.
- Yao, Arthur K. 1997. "SAS Code Generator Based on Table-Driven Methodology in a Batch Environment." *Proceedings of the Twenty-Second Annual SAS Users Group International*

- Conference 31–36. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi22/APPDEVEL/PAPER7.PDF>.
- Yarbrough, Kimberly D. 2000. “Macro Makes PROC MEANS Flexible.” *Proceedings of the Thirteenth Annual NorthEast SAS Users Group Conference* 311–312. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug00/cc/cc4028.pdf>.
- Yee, Michael. 2001. “Quick and Dirty Data Laundering: A Scalable Solution for Range Checking Data.” *Proceedings of the Twenty-Sixth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi26/p099-26.pdf>.
- Yen, Peng-fang, and Jeff Gudmundson. 2000. “One Macro Does It All - Advanced Enhancement of PROC REPORT.” *Proceedings of the Twenty-Fifth Annual SAS Users Group International Conference* 189–194. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi25/25/ad/25p032.pdf>.
- Yindra, Chris. 1997. “&&&, ;, and Other Hieroglyphics: Advanced Macro Topics.” *Proceedings of the Twenty-Second Annual SAS Users Group International Conference* 242–250. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Eleventh Annual NorthEast SAS Users Group Conference* (1998) 124–132. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi22/ADVTUTOR/PAPER44.PDF>.
- Yindra, Chris. 1998. “%SYSFUNC: The Brave New Macro World.” *Proceedings of the Twenty-Third Annual SAS Users Group International Conference* 259–265. Cary, NC: SAS Institute Inc. Also published in *Proceedings of the Eleventh Annual NorthEast SAS Users Group Conference* (1998) 695–702. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi23/Advtutor/p44.pdf>.
- Yu, Hsiwei (Michael), and Gary Huang. 2003. “Return Code from Macro; Passing Parameter by Reference.” *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/080-28.pdf>.
- Yu, Hsiwei (Michael). 1998. “%SYSFUNC (Bridge to External Data).” *Proceedings of the Eleventh Annual NorthEast SAS Users Group Conference* 703–711. Cary, NC: SAS Institute Inc. Available <http://www.lexjansen.com/nesug/nesug98/solu/p035.pdf>.
- Yuan, Li, and Bill Zhang. 1999. “Presenting Multi-Level Information in One Plot by Dynamically Generating the PLOT Statement.” *Proceedings of the Twenty-Fourth Annual SAS Users Group International Conference* 613–616. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi24/Coders/p105-24.pdf>.
- Zdeb, Mike S. 1999a. “An Introduction to Macro Variables and Macro Programs.” *Proceedings of the Twelfth Annual NorthEast SAS Users Group Conference* 302–309. Cary, NC: SAS Institute Inc. Available <http://www.ats.ucla.edu/stat/sas/library/nesug99/bt108.pdf>.
- Zdeb, Mike S. 1999b. “Creating Macro Variables via PROC SQL.” *Proceedings of the Twelfth Annual NorthEast SAS Users Group Conference* 360–361. Cary, NC: SAS Institute Inc. Available <http://www.ats.ucla.edu/stat/sas/library/nesug99/cc107.pdf>.
- Zhang, John Q. 1998. “More about ‘INTO:Host-Variable’ in PROC SQL: Examples.” *Proceedings of the Eleventh Annual NorthEast SAS Users Group Conference* 354–355. Cary, NC: SAS Institute Inc. Available <http://www.ats.ucla.edu/stat/sas/library/nesug98/p193.pdf>.
- Zhang, Julia, David Chen, and Tor-Lai Wong. 2003. “Metadata Application on Clinical Trial Data in Drug Development.” *Proceedings of the Twenty-Eighth Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi28/238-28.pdf>.
- Zhou, Jay. 2002. “%Qexcel Tackles the Challenges of Converting Data to SAS from Excel.” *Proceedings of the Annual Pharmaceutical SAS Users Group Conference* 65–70. Cary, NC: SAS Institute Inc. Available <http://www.pharmasug.org/psug2002/bp2002/ad15.pdf>.
- Zirbel, Doug. 2002. “Finally—An Easy Way to Compare Two SAS Files!” *Proceedings of the Twenty-Seventh Annual SAS Users Group International Conference*. Cary, NC: SAS Institute Inc. Available <http://www2.sas.com/proceedings/sugi27/p088-27.pdf>.