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**TECHNICAL COMMITTEE REPORTS**


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## Statistics Committee

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### Committee Actions

LaBudde, Graves, Lin, and Wehling developed the first of a planned series of Excel spreadsheets for use by Study Directors to facilitate statistical calculations of collaborative studies. This spreadsheet calculates statistics for blind

duplicate design quantitative collaborative studies as designed by the standard harmonized model and was a follow-up to the original Lotus 1-2-3 spreadsheets pioneered by Phillips. The Committee is planning spreadsheets for Youden Pair studies and for qualitative microbiological studies in the coming year. The new spreadsheet can be found online at [http://www.aoac.org/stats/AOAC\\_BlindDup\\_v2-0.xls](http://www.aoac.org/stats/AOAC_BlindDup_v2-0.xls).

Wehling, Paulson, and Graves presented the Official Methods Board (OMB) Workshop on Statistics at the AOAC Annual Meeting in Minneapolis, MN. Attendance was consistent at >30 attendees with good participation and active discussions. Wehling presented the statistical models for quantitative designs and introduced the new spreadsheet for blind duplicate designs. Paulson discussed the classic statistics for qualitative microbiological studies, and Graves presented recently published research by herself, McClure, and Lee. Feedback on the workshop was very favorable.

The Committee, as a whole, reviewed the recommendations of the Task Force on Best Practices for Microbiological Methods (BPMM) and submitted a written review to the OMB. Wehling presented the recommendations to the OMB via teleconference. The Committee will continue to advise on this ongoing initiative.

Paulson, Wehling, and Phillips performed a review of AOAC Official Method **2004.08** RAMP<sup>®</sup> Anthrax Test Cartridge.

Paulson contributed significant efforts to the revision of AOAC Official Method **966.04** Sporocidal Activity of Disinfectants, which was a very large study that required assistance in both the design and review phases. Paulson was awarded Advisor of the Year for his contributions to this method.

The Committee changed assignments for Statistical Advisor positions for the Methods Committees. Current Methods Committee assignments are as follows: Committee A, Pesticide and Disinfectant Formulations: Lee; Committee B, Drugs and Related Topics: Sherken, Phillips; Committee C, Additives, Beverages, etc.: Lin; Committee D, Natural Toxins and Food Allergens: LaBudde; Committee E, Food Nutrition: Phillips; Committee F, Commodity Foods and Commodity Products: Phillips; Committee G, Residues and Related Topics: Phillips; Committee H, Microbiology: LaBudde, Paulson, Wehling; Committee I, Feeds and Fertilizers: Wehling; Committee J, Environmental Methods: Wehling; Committee K, Dietary Supplements: Phillips.