NCCC215 Minutes December 12-13, 2016

Holiday Inn Express

Chicago, IL

John Bamberg called to order 1:05 pm

I. Introductions

II. Craig Yencho motion to approve minutes, Shelley Jansky seconds. Motion approved by acclamation.

III. Ray Hammerschmidt discusses importance of annual reporting. Must be submitted to NIMSS within 60 days.

IV. Jansky presents idea for new 5-year research plan (combined with Bethke and Halterman). Discussion followed.

V. Research presentations

**Wisconsin**

Laura Shannon: Calcium Response in Peruvian Land Race Potatoes

Cari Schmitz Carley: Trait Repeatability in the NCPT

Maria Caraza: Using Image Analysis to Quantify Skin Set and Color in Red Potatoes

Shelley Jansky: Germplasm releases

Han Tan (Maine): Uniparental Genome Elimination (Haploid Induction)

Nathan Butler: Targeted mutagenesis using CRISPR/Cas in inbred potatoes

Ryan Alpers: Development and phenotyping of potato RILs at the diploid level

Arun Kumar: Verticillium wilt studies in potato: genotyping and phenotyping

Curtis Frederick: Developing hyperspectral tools for potato

Alfonso Del Rio: Update on frost tolerance in potatoes

**Minnesota**

Tom Michaels: Update on potato genetics and breeding

**Michigan**

Joe Coombs: Use of dihaploid populations to unravel the heterozygosity of autotetraploid cultivated potato

Chen Zhang: Update on dihaploid production at MSU

Kate McGlew: Potato breeding with invertase silencing transgenic lines

Felix Enciso: Breaking down self-incompatibility in diploid potato using genome editing

Matt: Certified seed minituber production

Maher: Redesigning diploid potato breeding with self-compatibility

Natalie K.: Recombinant Inbred Lines for insect resistance in diploid potato

Susan Otieno: Ploidy determination in 2x x 2x crosses

Michael Hardigan: Genome diversity of tuber-bearing Solanum species uncovers targets of selection during potato domestication

VI. Breeding program reports

Jeff Endelman (UW-Madison)

Susie Thompson (NDSU)

Mark Clough (NCSU)

Greg Porter (U-Maine)

Benoit Bizimungu (AAFC-Fredericton)

Creighton Miller (TAMU)

Dave Douches (MSU)

VII. New Business

Motion to come back to Holiday Inn for next year’s meeting Dec. 4-5, 2017, made by Dennis Halterman, second by Susie Thompson, approved by acclamation

Motion to advance officers (Susie Thompson becomes Chair, Jeff Endelman becomes Vice-Chair) and install Dennis Halterman as Secretary for 2017, made by Shelley Jansky, second by Benoit B., approved by acclamation

Meeting adjourned by J. Bamberg