

PROCEEDINGS OF AOSA/SCST



2024

113th Annual Meeting of the Association of Official
Seed Analysts, Inc.
and
100th Annual Meeting of the Society of Commercial
Seed Technologists, Inc.

Rapid City, South Dakota
June 1, 2024 – June 6, 2024



2023-2024 AOSA EXECUTIVE BOARD

JOHNNY ZOOK, PRESIDENT (2024)
Pennsylvania Department of Agriculture
2301 North Cameron St.
Harrisburg, PA 17110
Email: jzook@pa.gov
Phone: (717) 787-4894

JAMES SMITH, VICE-PRESIDENT (2024)
Mississippi State Seed Lab
PO Box 5207
Mississippi State, MS 39762
Email: JamesS@mdac.ms.gov
Phone: (662) 325-3993

KYLE ARVIN, BOARD MEMBER (2024)
New York State Department of Agriculture & Markets
6 Harriman Campus Road
Albany, NY 12206
Email: kyle.arvin@agriculture.ny.gov
Phone: (518) 457-4035

DIANDRA VINER, BOARD MEMBER (2024)
Minnesota Department of Agriculture
601 Robert Street North
St. Paul, MN 55155
Email: diandra.viner@state.mn.us
Phone: (651) 201-6450

GORDON BALDRIDGE, BOARD MEMBER (2025)
Arkansas Department of Agriculture
#1 Natural Resources Drive
Little Rock, AR 72205
Email: gordon.baldridge@agriculture.arkansas.gov
Phone: (501) 225-1598

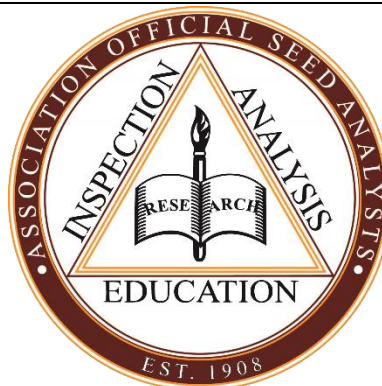
JEANNA MUELLER, BOARD MEMBER (2025)
North Dakota State Seed Laboratory
PO Box 5257
Fargo, ND 58105
Email: jmueller@ndseed.ndsu.edu
Phone: (701) 231-5400

SHANNE STAPLETON, BOARD MEMBER (2026)
Virginia State Seed Laboratory
600 N. Fifth St. Rm. 232
Richmond, VA 23219
Email: shanne.stapleton@vdacs.virginia.gov
Phone: (814) 786-8795

VICTOR VANKUS, BOARD MEMBER (2026)
USDA Forest Service
5675 Riggins Mill Rd.
Dry Branch, GA 31020
Email: victor.vankus@usda.gov
Phone: (478) 751-3551

LYNN ROBINSON, SECRETARY-TREASURER (2026)
Nebraska Crop Improvement
268 Plant Sciences Hall
Lincoln, NE 68583
Email: lrobinson2@unl.edu
Phone: (402) 472-8640

TODD ERICKSON, EX-OFFICIO BOARD MEMBER
USDA, AMS, S&T,
Seed Regulatory & Testing Division
801 Summit Crossing Place Suite C
Gastonia North Carolina 28054
Email: todd.erickson@ams.usda.gov
Phone: (704) 852-4189





2023-2024 SCST EXECUTIVE BOARD

MELISSA PHILLIPS, PRESIDENT (2025)
Bayer Crop Science
460 E Adams St.
Waterman, IL 60556
Email: melissa.phillips@bayer.com
Phone: (815) 264-8106

QUINN GILLESPIE, VICE-PRESIDENT (2025)
Universal Seed LLC
3465 Independence Hwy
Independence, OR 97351
Email: qgillespie@universalseed.com
Phone: (360) 335-6707

BRENDA JOHNSON, DIRECTOR-AT-LARGE (2024)
Eurofins BioDiagnostics Inc.
507 Highland Dr.
River Falls, WI 54022
Email: brendajohnson@eurofinsus.com
Phone: (715) 426-0246

DESIRAE JONES, DIRECTOR-AT-LARGE (2025)
Seneca Seeds
PO Box 100
Dayton, WA 99328
Email: dejones@senecafoods.com
Phone: (509) 520-4870

KATHY MATHIASON, DIRECTOR-AT-LARGE (2025)
SDSU Seed Testing Lab
Seed Tech 124, Box 2207-A
Brookings, SD 57007
Email: katherine.mathiason@sdstate.edu
Phone: (605) 688-6636

MOLLY RICHESON, DIRECTOR-AT-LARGE (2026)
AgReliant Genetics
418 N. Jefferson St.
Brimfield, IL 61517
Email: molly.richeson@agreliant.com
Phone: (309) 446-9830

MARIJA TOPIC, DIRECTOR-AT-LARGE (2026)
Crookham Company, Inc.
301 Warehouse Ave
Caldwell, ID 83605
Email: marijat@crookham.com
Phone: (208) 459-7451





TABLE OF CONTENTS

2023-2024 AOSA Executive Board.....	2
2023-2024 SCST Executive Board.....	3
Proceedings of the 2024 Annual Meeting.....	6
Board and Business Meeting Minutes	6
SCST Executive Board Meeting Minutes	6
AOSA Executive Board Meeting Minutes.....	12
Joint AOSA/SCST Executive Board Meeting	18
Joint SCST-AOSA Long Range Planning Meeting.....	25
Joint AOSA/SCST Business Meeting.....	31
113 th Annual Business Meeting of AOSA	33
100 th Annual Business Meeting of SCST.....	37
Executive Board Reports	38
AOSA Rules Voting Results.....	45
Final Vote Tabulation	47
Committee Reports	48
Advanced Technology Committee.....	48
Communications and Publications.....	48
Continuing Education Committee.....	49
Document Control – Formerly Lab Standards and Documentation.....	49
Examination Committees.....	50
Genetic Technology Committee	52
Handbook Committee	53
Historian/Necrology Committees – AOSA and SCST	53
international Committee.....	55
Legislative Committee	56
Liaison/Affiliates Committee.....	56
Proficiency Testing Committee.....	56
Referee Committee	57
Research Committee	58
Resolutions Committee	59
Rules Committee.....	60
Teaching and Training Committee.....	60
Research Subcommittee Reports	61
Conservation, Reclamation, Tree and Shrub Subcommittee.....	61
Cultivar Purity Subcommittee.....	62
Flower Seed Subcommittee	62
Germination and Dormancy Subcommittee.....	62
Purity Subcommittee.....	64
Seed Moisture Subcommittee	65
Statistics Subcommittee	66
Tetrazolium Subcommittee	67
Vigor Testing Subcommittee	67



SCST Committee Reports 68

 Audit Committee..... 68

 Ethics Committee..... 68

 SCST Nominations Committee..... 68

 Seed Library Committee 69

AOSA Committee Reports 70

 Audit Committee..... 70

 By-Laws Committee 70

 AOSA Membership Committee..... 70

 AOSA Regulatory Committee 71

 AOSA Nominations Committee 72

Meeting Attendees 73

Awards and Honorary Memberships 77

 Recipients of the SCST Meritorious Service Award 77

 Recipients of the AOSA Merit Award..... 80

 SCST Honorary Members..... 82

 AOSA Honorary Members 84

SCST Gavel Club & E.H. Jenkins Past Presidents Club..... 86

 SCST Gavel Club..... 86

 E.H. Jenkins Past Presidents Club 89



PROCEEDINGS OF THE 2024 ANNUAL MEETING

BOARD AND BUSINESS MEETING MINUTES

SCST EXECUTIVE BOARD MEETING MINUTES

June 1, 2024

Call meeting to order: President Melissa Phillips at 1:00 pm MDT.

Meeting In Person Roll Call: Melissa Phillips, Quinn Gillespie, Brenda Johnson, Kathy Mathiason, Desirae Jones, Marija Topic, Molly Richeson, Board Member-Elect Nicolette Hard, Jess Peterson, Kelly Polzin

Meeting Virtually Roll Call: Vivian Winston

- 1) Anti-Trust Policy
- 2) Additions to and approval of the agenda
 - a) Kathy Mathiason moved to approve the agenda.
 - b) Quinn Gillespie seconded the motion.
 - c) SCST Board unanimously voted to approve the agenda.
- 3) Additions to and approval of the April 9th, 2024, minutes
 - a) Desirae Jones moved to approve the April 9th, 2024, minutes.
 - b) Brenda Johnson seconded the motion.
 - c) SCST Board unanimously voted to approve the minutes.
- 4) Financial Report & Budget (Jess Peterson & Vivian Winston)
 - a) Jess introduced Vivian and how she became CFO of Western Skies and SCST
 - b) Bank Balances
 - i) Wells Fargo Checking Acct: \$184,820.58
 - ii) Wells Fargo CD Acct: \$26,451.12
 - c) Accounts Receivable; was presented through the financial packet. The majority of that is dues waiting to be paid and some annual meeting invoices. I have followed up on those folks.
 - d) Accounts Payable; was presented through the financial packet. This is everything sitting in bill.com waiting for approval.
 - e) Other
 - i) SCST Accounting Processes – document was presented on the SCST Teams files to review.
 - ii) Fiscal year 2025 Budget
 - (1) Kelly Polzin suggested that we shift the due's invoicing to after June 1. The SCST Board agreed with the idea and will present it at Long Range Planning and business meeting for membership discussion.
 - (a) Brenda suggested moving it back to March to line up with the Bylaws to be paid by May 1st.
 - (i) The SCST Board unanimously voted to incorporate invoicing on March 1st, 2025, and pay dues by May 1st.
 - (2) Melissa asked if the Seedling Image Database was included? Kelly Polzin - it is paid through USDA Funds. Jess explained the funds and how they are used.
 - (3) The SCST Board will add to the Joint Meeting agenda the virtual exam fee through QuestionMark and AASCO
- 5) Reports/Updates
 - a) Presidents Report (Melissa Phillips)
 - i) Since the last board meeting, I have responded to society emails. I have reviewed the monthly financials as they become available. I have reviewed the FY25 budget in preparation for the



Analyzeseeds.com

- annual meeting and have had a call with the primaries to ensure we are aligned with items that will be shared with the members.
- ii) I have worked with the consolidation working group to prepare for the long-range plan discussion. I have worked through a consolidated budget and identified opportunities for cost savings in a new organization. I also reworked the dues calculator to reflect the figures determined in the new budget.
- b) Vice Presidents Report (Quinn Gillespie)
- i) Since the last board meeting, I have helped to review financial statements and budgets for presentation at the annual meeting. I have also attended calls with JTech and worked with them and the website working group to narrow down our “needs/wants” list for the portal tool. I have been primarily gearing up for the Annual Meeting, working on the LRP agenda items and presentations.
 - ii) I was also able to attend the Northwest Analysts group at Henricks Seed Lab in Halsey, OR. There was a lot of lively discussion concerning a range of topics for our region, including consolidation and large seed mixes. I donated two small paintings of weed seeds to the Oregon basket for the STRF auction.
 - iii) I was able to attend all the virtual meetings so far this year, including the Consolidate Exam committee meeting and the Referee presentation planning session. As a member of the Board of Examiners I helped to review SCST applications to take the consolidated exam.
 - iv) I have two rule proposals currently submitted to the Purity Subcommittee for review. One to correct a common name for *Hesperocnide sandwicensis*, currently called stinging nettle; the other to add *Glyceria declinata* to Volume 3 of the AOSA Rules. I also put together a presentation for the in-person Purity Subcommittee meeting on *Glyceria declinata* to help clarify some of the issues with this species.
 - v) I also reached out to the Teaching and Training committee and Cultivar Purity committee to see if there is any interest in a webinar on ploidy determinations of ryegrass, and ploidy testing used as an identification tool. That presentation is completed and submitted to the committee, and we will schedule a time after the annual meeting to do the recording/presentation.
- c) Board Members Report
- i) Brenda Johnson
 - (1) I have actively participated in Genetic Technology Committee including Super Workshop Planning providing two virtual presentations on 1. Herbicide Solution Preparation and 2. Quantitative ELISA Testing for the Seed Industry. I Provided input on the Consolidation Committee, participated in monthly, virtual Board meetings, and completed the study funded by Seed Science Foundation for devitalization of seed by freezing with full credit to Maranda Gillen.
 - ii) Kathy Mathiason
 - (1) Since the last Board meeting, I have participated in Consolidation WG meetings and emails, AOSA/SCST/ISMA project co-lead emails and a meeting, and annual meeting planning committee meetings and emails. I attended and recorded CE points for the Rule Proposal webinar, have been responding to numerous emails and recording many CE points (webinars and workshops), and personally emailed SCST members who are short on CE points. I attended all the virtual committee meetings held prior to the in-person annual meeting. I have been busy preparing all my presentations for the annual meeting.
 - iii) Desirae Jones
 - (1) Since the last meeting I have responded to board emails, reviewed the 2024 rule change proposal webinar and the SCST monthly financials.



Analyzeseeds.com

iv) Marija Topic

- (1) Since the last Board meeting, I have:
- (2) Participated in a couple of meetings with the Consolidation working group and ISMA Digital Reference project.
- (3) Attended workshops in Iowa and California
- (4) Attended seed grader school in Gastonia and passed the test.
- (5) Got accreditation from CFIA for Officially recognized foreign lab.
- (6) Prepared two presentations on sweet corn for the annual meeting and submitted them to the Referee committee for review.
- (7) RST training
- (8) Two trainees took a germination test in Iowa and they both passed the exam
- (9) Training three people to take the test in Gastonia, two for the purity exam and one for the germination test.
- (10) Focusing on my day job

v) Molly Richeson

- (1) Since the last Board meeting, I have done the following:
- (2) Attended the Rules Proposals webinar.
- (3) Participated in several emails with Diandra Viner (Chair of Cultivar Purity) regarding the Genetic Technology/Cultivar Purity meeting at the Annual Meeting
- (4) Finished the agenda for the RGT BOE meeting.
- (5) Made my presentation for the Genetic Technology meeting.
- (6) Reviewed the Genetic proficiency test results.

vi) Executive Office Report (Jess Peterson)

- (1) Annual Meetings
 - (a) 2024 AOSA/SCST Annual Meeting update
 - (i) Registration:
 1. 146 total registrants (including staff, affiliates, and vendors)
 2. The majority utilized online registration however, there were several that chose to go the invoice route and/or the USPS. Also, one fax came in.
 - (ii) Vendors:
 1. 4 Vendors this year--about our average
 - (iii) Sponsors:
 1. 7 Sponsors, \$5K (Bayer), \$1K (NCIA), \$1K (AgReliant), \$500 (USDA AMS S&T), \$500 (Hoffman), Bean Buddy Walk (SoDak) and Name Tags (Visit Rapid City)
 - (iv) Workshops:
 1. 2 workshops were submitted this year with great participation. We had to extend the deadline due to the popularity. As a side note, the Referee transitioned as a hybrid with Sabry presenting virtually. We might want to also develop a promotion for USDA funds.
 - (v) Committees:
 1. Most of the Committee Chairs and Co-Chairs opted for the in-person meetings.
 2. There were 2 hybrid meetings with the Open Rules Discussion and Purity Subcommittee. Long-Range Planning will be the only session scheduled as hybrid.
 3. AOSA Bylaws, Statistics, Seed Moisture, Consolidated Exam, Seed Vigor and Advanced Technology Committees were all held virtually before the in-person meetings.



- (vi) Meeting logistics:
 - 1. The office sent out a Save-the-Date in the middle of January with registration opening on February 23rd. We went with a different format this year to where each announcement was a one-stop-shop and mirrored the webpage. What we learned is that scrolling down through the options is sometimes a burden, the majority, or 75% of registrants, will sign up in April and May and the registration deadline needs to be more prominent. What registrants learned, all the information is there, there is a cutoff date and an offsite tour included with no extra cost is a WIN.
- (2) AOSA/SCST Website
 - (a) The new website or the Online Portal, is going to be presented to both memberships with a mockup of the Homepage, Portal Dashboard and Portal Documents during Long Range Planning. More to come on the project in the Joint Board meeting and an update from the leadership under Unfinished Business. We will of course, keep up with the current website with any updates.
- (3) Job Postings
 - (a) 28 total and they tend to come in waves in the fall after harvest and right after the first of the year.
 - (i) 21 Job Opportunities at \$130 each for \$2,730.00 split profit
 - (ii) 7 Rush posts at \$180 each for \$1,260.00 split profit
- (4) Consolidated Exam Committee
 - (a) The Iowa State University AOSA/SCST exams produced 6 CVT's from an Associate and 5 RSTs from CVT. That's out of 13 candidates. These analysts will be recognized at the Awards Banquet on Wednesday evening.
 - (b) The USDA SRTD will again hold its annual Seed School on August 12-14th. The Purity and Germination exams will be held on August 15th and 16th. As mentioned before, the Purity exam is full, but the committee has secured two more exam sites to accommodate all the candidates. Currently, there are 11 SCST candidates.
- (5) Membership Numbers
 - (a) There is a total of 281 SCST members. Of those, 6 have a dual membership. That's up 1 from 280 last year. KP received the exam results last week and has incorporated all the candidates that passed.
 - (i) 104 RST's
 - (ii) 24 CVT's
 - (iii) 3 CPT's
 - (iv) 15 RGT's
 - (v) 7 CGT's
 - (vi) 120 Associate members
 - (vii) 3 Professional Members
 - (viii) 5 Research Members
- (6) SCST Publication Sales
 - (a) There was a total profit of \$2,900.00 and a total of 10 handbooks sold. Down 2 from last year.
 - (i) 9 - 2018 Seed Technologists Training Manual
 - 1. Melissa suggested to update and republish.
 - (ii) 0 - 2018 Seed Technologists Training Manual in Spanish
 - (iii) 1 - 2016 Chapter 14 only
 - (iv) 0 - What is Seed Vigor CD
 - 1. The SCST Board decided to remove the CD from the website store due to lack of interest and the outdated format.



Analyzeseeds.com

- vii) Approval of Reports
 - (1) Molly Richeson moved to approve the reports as given.
 - (2) Quinn Gillespie seconded the motion.
 - (3) SCST Board unanimously voted to approve the motion.
- 6) Old Business
 - a) Remote Supervision (Marija Topic & Melissa Phillips)
 - i) New Employer/Organization contract
 - (1) Will revisit when or if we consolidate and have legal counsel.
- 7) Unfinished Business
 - a) 2024 Cultivar Purity Handbook
 - i) Available for purchase 05/23/2024
 - b) Proficiency Testing update
 - i) Results were sent to the memberships on 05/28/2024.
 - c) Teaching & Training Committee training syllabus (Marija Topic)
 - i) Still in progress and updating all guides. This is jointly done with the Exam Committee.
 - d) AOSA-SCST Consolidation update (Melissa Phillips)
 - i) We have a proposed combined budget of which leads to the dues structure. There are several options on how to move forward with the dues. We received a recommendation from ASTA this morning and will present it to the membership at LRP. We will take all the feedback from this week and the membership survey and pull in legal counsel as our next steps.
 - e) Website Planning update (Quinn Gillespie)
 - i) JTech sent a mockup of the Portal Dashboard, Portal Documents and updated Homepage.
 - (1) We need to pin down what is needed and keep out the creeping elegance. A better definition of who we are but it will have to come from us.
 - ii) Jess proposed a Western Skies contract at the same level/rates for 5 years with each organization putting in 5K for 5 years. We would work through JTech to build the online portal with the AOSA-SCST design model.
 - (1) Brenda – a full-time programmer runs about 10K. We also need to look at the management side of things. We need to understand what it would look like after 5 years. Write deliverables and place those in the contract.
 - (2) Melissa – We need to look it over and talk to AOSA and go into an executive session to discuss.
 - f) Long Range Planning Agenda (Quinn Gillespie)
 - i) Under 2024 Annual Meeting file and AOSA/SCST Board in Teams
 - (1) I have been adding to it as we go.
 - (a) If we want to present the necrology report jointly, we must present it at the LRP.
 - (i) Melissa mentioned that there was a valid reason for this, but do we need to make a change.
 - 1. Once we have this set, we can work on time targets. Quinn suggested putting on the slides themselves so you can see the time.
 - (b) Changing our invoice date to align with our current C&B. Present this with having finished books and less speculation.
 - (c) Uniformity working group needs some finalization. We will work with the seedling image database on deliverables.
 - (d) Molly suggested Committee Chair responsibilities and deliverables.
 - (e) Customized website and portal. What we need is what the cost has added up to.
 - (f) STRF but placed before the portal.
 - (g) Potential of new income streams
 - (h) Consolidation and feedback
- 8) New Business
 - a) Job Posting and process for rush orders (Kelly Polzin)



Analyzeseeds.com

- i) \$130 and 7 days to post. \$180 Rush and post asap.
 - b) New RST's, CVT's, CPT's, RGT's, CGT's (Melissa Phillips)
 - c) Honorary member, Harold Armstong (Melissa Phillips)
 - d) SCST Members short on CE points (Kathy Mathiason)
 - i) One person has not met the requirements. Kathy will get in contact with the Executive Director office for dues payment and membership history.
 - e) Plan future SCST Board calls and frequency.
 - i) Every other month, on the third Tuesday beginning in August
- 9) Adjourn
- a) Molly Richeson moved to adjourn.
 - b) Brenda Johnson seconded the motion.
 - c) SCST Board unanimously voted to adjourn at 4:07 pm MDT.



AOSA EXECUTIVE BOARD MEETING MINUTES

June 1, 2024

Call meeting to order: President Johnny Zook at 8:26 am MDT.

Meeting In Person Roll Call: Johnny Zook, James Smith, Lynn Robinson, Gordon Baldrige, Victor Vankus, Kyle Arvin, Diandra Viner, Todd Erickson, Board Member – Elect Leanna Leach, Jess Peterson, Kelly Polzin

Meeting Virtually Roll Call: Board Member – Elect Nish Patel, Vivian Winston

- 1) Additions to and approval of the agenda
 - a) James Smith moved to approve the agenda.
 - b) Diandra Viner seconded the motion.
 - c) AOSA Board unanimously voted to approve the agenda.
- 2) Additions to and approval of the May 15th, 2024, call minutes
 - a) James Smith moved to approve the May 15th, 2024, call minutes.
 - b) Lynn Robinson seconded the motion.
 - c) AOSA Board unanimously voted to approve the minutes.
- 3) Financial Report (Jess Peterson & Vivian Winston)
 - a) Jess introduced Vivian and how she has taken the role of CFO within Western Skies for AOSA.
 - b) Bank Balances
 - i) Wells Fargo Checking Acct: \$192,970.83
 - ii) Wells Fargo CD Acct: \$26,085.75
 - c) Accounts Receivable; was presented through the financial packet and are equated to outstanding dues for this fiscal year.
 - d) Accounts Payable; was presented through the financial packet which is sitting in Bill.com for confirmation.
 - e) Other
 - i) AOSA Accounting Processes – document was provided to the AOSA Board for review.
 - ii) Fiscal year 2025 Budget
 - (1) Add on Exam Expenses line 32 for 1,722.00 for Question Mark and AAOSCA
 - (2) \$500.00 for exam reimbursement/expenses
 - (3) Lynn questioned a bad debt line and Vivian explained that it is accounting when someone does not pay an invoice. Johnny wanted it to remain at the current dues at \$1,500 in case one lab does not pay.
 - (4) Legal fees – in case there is legal fees for consolidation
 - (5) Travel – Johnny wants more engagement. Lynn suggested a Marketing heading for travel and include banners, engagements or industry meetings, flyers.
 - (a) Victor does not want Travel to be placed under Advertising. It needs to be by itself.
 - (i) Promotional materials were decided on at \$3K
 - (b) Jess questioned what the Travel and Industry meetings plus additional advertising, what is your objective, what is the value?
 - (i) Lynn mentioned meeting with the national growers to target best practices of using the AOSA Rules and using accredited labs.
 - (c) Kelly Polzin suggested forming a working group on Marketing and meeting before the next Board meeting. The group would include Diandra Viner, Victor Vankus, Lynn Robinson, Johnny Zook and James Smith.
 - (d) The Board decided to leave Travel at \$12,000.00 but there was conversation about where this would be dispersed. (06/13/24 corrected per President Smith)



- (6) Vivian and Lynn agreed that the budget needs to be cleaned up for more clarity. Vivian will work on this and present it with the new numbers.
 - (7) Line item for Marketing the Spanish Rules (Lynn Robinson)
 - (a) Spanish Rules translation as \$2K and will be discussed later in the agenda on frequency.
 - (8) USDA funds
 - (a) Todd explained why we did not receive funding this year and it was due to the lab not having it budgeted and unfunded salary increases.
 - (b) Johnny suggested using the USDA funds to cover the Virtual Exam hosting fees yearly with QuestionMark and AASCO.
 - (i) Lynn mentioned to add a line on USDA
 - (9) James Smith moved to approve the budget as amended.
 - (10) Lynn Robinson seconded the motion.
 - (11) AOSA Board unanimously voted to approve the amended budget.
- 4) Reports/Updates
- a) Presidents Report (Johnny Zook)
 - i) I have been working with and participating in calls with the principles
 - b) Vice Presidents Report (James Smith)
 - i) I have been participating in the Principle and Consolidation Working Group calls.
 - c) Secretary/Treasurers Report (Lynn Robinson)
 - i) I have been working with Melissa on the Consolidation budget.
 - ii) I have added things to the agenda and the AOSA budget
 - d) Board Members Report
 - i) Gordon Baldrige
 - (1) Nothing to report
 - ii) Jeanna Mueller
 - (1) Not present
 - iii) Victor Vankus
 - (1) I have been spending a lot of time reorganizing the Conservation, Reclamation, Tree and Shrub Committee. Randy Crowl is the chair. We are working on what the priorities are of this committee.
 - (a) There is a lot of interest in seed production. More demand in native seed testing. We will hopefully get back to the native seed conference in February in Tucson. It is full of land managers and seed practitioners to share the seed testing information. There have been some high-ranking decision makers attending. Maybe have a workshop or some sort of presentation at this meeting. It helps with not only state funding but also for seed testing laboratories.
 - (i) Kelly Polzin mentioned that marketing materials are available such as a banner at Iowa State University and a flyer.
 - iv) Kyle Arvin
 - (1) Nothing to report
 - v) Diandra Viner
 - (1) Nothing to report
 - vi) Todd Erickson
 - (1) We have a new Regulatory Supervisor, Chi Trinh
 - (2) Ernest Allen will be in attendance on Monday but will be leaving early to focus on what can be done to get state agencies more involved.
 - (3) I am chairing the Lab Standards Committee and we have not received all the SOP's. It is my goal to focus on the Bylaws and remove some sections then add as an SOP.
 - (a) I would also like to educate the committees that have not produced an SOP on what we are looking for and use the ones we have received as an example.



Analyzeseeds.com

- e) Executive Office Report (Jess Peterson)
 - i) Annual Meetings
 - (1) 2024 AOSA/SCST Annual Meeting update
 - (a) Registration:
 - (i) 146 total registrants (including staff, affiliates, and vendors)
 - (ii) The majority utilized online registration however, there were several that chose to go the invoice route and/or the USPS. Also had one faxed in.
 - (b) Vendors:
 - (i) 4 Vendors this year--about our average
 - (c) Sponsors:
 - (i) 7 Sponsors, \$5K (Bayer), \$1K (NCIA), \$1K (AgReliant), \$500 (USDA AMS S&T), \$500 (Hoffman), Bean Buddy Walk (SoDak) and Name Tags (Visit Rapid City)
 - (d) Workshops:
 - (i) 2 workshops were submitted this year with great participation. We had to extend the deadline due to the popularity. As a side note, the Referee transitioned as a hybrid with Sabry presenting virtually.
 - (ii) Kyle Arvin suggested having a TZ workshop next year since the new handbook will be produced.
 - 1. Victor Vankus mentioned that the Handbook Committee would like to have the Technical Committee update the handbooks every 5-10 years in their SOP's.
 - (e) Committees:
 - (i) Most of the Committee Chairs and Co-Chairs opted for the in-person meetings.
 - (ii) There were 2 hybrid meetings with the Open Rules Discussion and Purity Subcommittee. Long-Range Planning will be the only session scheduled as hybrid.
 - (iii) AOSA Bylaws, Statistics, Seed Moisture, Consolidated Exam, Seed Vigor and Advanced Technology Committees were all held virtually before the in-person meetings.
 - (f) Meeting logistics:
 - (i) The office sent out a Save-the-Date in the middle of January with registration opening on February 23rd. We went with a different format this year to where each announcement was a one-stop-shop and mirrored the webpage. What we learned is that scrolling down through the options is sometimes a burden, the majority, or 75% of registrants, will sign up in April and May and the registration deadline needs to be more prominent. What registrants learned, all the information is there, there is a cutoff date and an offsite tour included with no extra cost is a WIN.
 - ii) AOSA/SCST Website
 - (1) The new website or the Online Portal, is going to be presented to both memberships with a mockup of the Homepage, Portal Dashboard and Portal Documents during Long Range Planning. More to come on the project in the Joint Board meeting and an update from the leadership under Old Business. We will of course, keep up with the current website with any updates.
 - iii) Job Postings
 - (1) 28 total and they tend to come in waves in the fall after harvest and right after the first of the year.



Analyzeseeds.com

- (a) 21 Job Opportunities at \$130 each for \$2,730.00 split profit
- (b) 7 Rush posts at \$180 each for \$1,260.00 split profit
- iv) Consolidated Exam Committee
 - (1) The Iowa State University AOSA/SCST exams produced 2 CSA-G's and 1 CSA out of 5 candidates. These analysts will be recognized at the Awards Banquet on Wednesday evening.
 - (2) The USDA SRTD will again hold its annual Seed School on August 12-14th. The Purity and Germination exams will be held on August 15th and 16th. As mentioned before, the Purity exam is full, but the committee has secured two more exam sites to accommodate all the candidates. Currently, there are 13 AOSA candidates.
- v) Membership Numbers
 - (1) 36 Official State Labs
 - (a) We have several labs that do not have a CSA or RST on staff, but it was determined at the May meeting to be patient with the hope they will hire an analyst soon.
 - (i) Connecticut
 - (ii) Illinois – unexpected passing of Mike Simpson
 - (iii) New Jersey
 - (iv) New Mexico – Kathleen Willey will retire in October.
 - (2) 4 USDA Official Labs
 - (3) 1 Canadian Official Lab
 - (4) 2 Allied Labs
 - (5) 6 Associate Members with 2 up for vote at the business meeting and 1 to discuss under New Business.
 - (a) David Johnston
 - (b) Brent Turnipseed
 - vi) AOSA Publication Sales
 - (1) There was a total profit of \$23,502.20 of which is up about 65% from 2023 with \$17,492.50. We sold 92 Handbooks and 60 additional copy/network licenses.
 - (a) 26 - AOSA Rules Complete Set
 - (b) 6 - AOSA Rules Volume 1
 - (c) 0 - AOSA Rules Volume 2
 - (d) 0 - AOSA Rules Volume 3
 - (e) 3 - AOSA Rules Volume 4
 - (f) 0 – 2021 & 2023 AOSA Rules Complete Set & Individual Volumes in Spanish
 - (i) 2023 version was available for purchase on 05/06/24)
 - (g) 16 – 2023 Cultivar Purity Handbook
 - (h) 2 – 2024 Cultivar Purity Handbook
 - (i) Available for purchase on 05/23/2024
 - (i) 14 - Seed Vigor Handbook
 - (j) 6 - Seed Moisture Handbook
 - (k) 4 - Purity Testing Handbook
 - (l) 15 - Tetrazolium Testing Handbook
 - f) Approval of Reports
 - i) James Smith moved to approve the Board member reports as given.
 - ii) Victor Vankus seconded the motion.
 - iii) AOSA Board unanimously voted to approve the motion.

5) Old Business

 - a) AOSA Rules Spanish Translation future planning and marketing (Kelly Polzin)
 - i) As Jess mentioned, we have not sold one Spanish translated AOSA Rules this past fiscal year. The initial fee for the 2019 Rules was \$18K but, that was through a gentleman out of Argentina thinking he would be state side during the project. Then Covid hit and extra taxes



- for the Argentinian Government and of course, no travel. The fee to translate the 2021 Rules was \$3,750.00 with Mr. Flores out of Washington state. The 2023 Rules were estimated by Johnny and Mr. Flores email conversation to be at \$750.00. With the length of time it took to translate/update the 2023 Rules, and IF we receive an invoice, we might be looking at 2K?? I am not the expert in this since the original estimate was per word and technicality of each word. What it comes down to is it all worth it when we can't break even with sales. With the initial offering of the translated Rules, the office reached out to Seed Today and ASTA for marketing. That equated to 6 purchased to date.
- (1) Victor suggested that his agency could possibly cover the costs of translating.
 - (2) Lynn suggested to include South America in the Bylaws and use the Allied membership AND they follow the Canadian outline for proficiency.
 - (3) Johnny suggested to invite South American, Central American and Mexico to our annual meetings and possibly offer to cover costs to attend.
 - (a) The newly formed Marketing Working Group will begin working on the suggestions.
- b) AOSA/SCST Consolidation (James Smith, Victor Vankus and Todd Erickson)
- i) Victor – the last call was working on the combined budget
 - (1) We need to focus on bylaws and legal advice and where to incorporate.
 - ii) James – the legal fees that we placed in our budget developed from working on the combined budget.
 - iii) Johnny – Presented the draft combined budget and a membership pay structure that was developed by the group.
 - (1) Depending on the fee structure and models, income is changing.
 - (2) Do we need another volunteer to add to the working group?
 - (a) Johnny suggested that we ask the working group to add another AOSA representative and expanding to subcommittees
- c) New Website Planning (Johnny Zook, James Smith, and Kelly Polzin)
- i) We Will present a mockup in Long Range Planning along with a payment plan.
- d) AOSA Bylaw Proposal Update (Lynn Robinson)
- i) Nothing to add but the description of the duties needs to be updated. We need redefined responsibilities. The current bylaw change would clean up the membership committee and move the responsibilities to the executive board.
- 6) New Business
- a) Appointing Emi Kuroiwa from CDFA as a general member of the AOSA Rules Committee (Johnny Zook)
 - i) AOSA Board unanimously accepted the presidential appointment.
 - b) Saudi Jordan Company application for AOSA Allied Laboratory Membership (Johnny Zook)
 - i) The application was presented to the Board as a Teams document. I did some research, and they conducted seed research with the applicant making lots of contact points. It does not feel like a good fit.
 - (1) Lynn mentioned that they do not fit our Allied Category.
 - (2) The Board agreed that it was an incomplete application and will reach out to Kathleen to inform them that their application has been denied.
 - c) 2024 TZ Handbook (Victor Vankus & Diandra Viner)
 - i) Victor – I have the finished and final 2024 edition. I will be handing it over to the TZ committee at the meeting on Tuesday. Once approved, the handbook would be available after July 4th, 2024.
 - (1) Victor Vankus motioned to approve the 2024 TZ Handbook and price it at \$327.80 for the digital download and \$357.60 for the CD.
 - (2) James Smith Seconded the motion
 - (3) AOSA Board unanimously voted to approve the motion
 - d) AOSA/SCST Joint Board of Directors meeting agenda items



Analyzeseeds.com

- i) AOSA-SCST Consolidation
 - (1) We could possibly use sub-working groups for specific items.
- ii) Spanish Rules Translation
- iii) USDA APHIS ITP Fruits & Seeds of Legume Genera of the World ID Tool (Johnny Zook)
- iv) Vote on the 2026 Annual Meeting Location
- v) Long Range Planning session agenda items
- vi) Schedule Leadership Calls (Kelly Polzin)
- e) Plan future AOSA Board calls and frequency.
 - i) Every other month on the second Tuesday starting in August at 10:00 am Central Time.
- 7) Adjourn
 - a) James Smith motioned to adjourn.
 - b) Lynn Robinson seconded the motion.
 - c) AOSA Board unanimously voted to adjourn at 12:22 pm MDT.



JOINT AOSA/SCST EXECUTIVE BOARD MEETING

June 2, 2024

Call meeting to order: AOSA President Johnny Zook and SCST President Melissa Phillips at 8:07 am MDT.

Meeting in Person Roll Call: Johnny Zook, James Smith, Lynn Robinson, Gordon Baldrige, Victor Vankus, Kyle Arvin, Diandra Viner, Todd Erickson, Board Member – Elect Leanna Leach, Melissa Phillips, Quinn Gillespie, Brenda Johnson, Kathy Mathiason, Desirae Jones, Marija Topic, Molly Richeson, Board Member-Elect Nicolette Hard, Jess Peterson, Kelly Polzin

- 8) Anti-Trust Policy
- 9) Additions to and approval of agenda
 - a) James Smith moved to approve the agenda with the additions.
 - b) Molly Richeson seconded the motion.
 - c) AOSA/SCST Board unanimously voted to approve the agenda.
- 10) Additions to and approval of the June 11th, 2023, Annual Meeting minutes.
 - a) Quinn Gillespie moved to approve the June 11th, 2023, Annual Meeting minutes.
 - b) James Smith seconded the motion.
 - c) AOSA/SCST Board unanimously voted to approve the minutes.
- 11) Reports
 - a) AOSA President (Johnny Zook)
 - i) This past year I've participated in board and principal meetings, attended the Association of American Seed Control Officials (AASCO) annual meeting, maintained contact with the USDA SRTD as well as with International Seed Trade Association (ISTA), and attended several American Seed Trade Association (ASTA) Seed Industry Relations Meetings. Earlier this year, working through AASCO, I submitted two proposals to amend their Recommended Uniformed State Seed Law (RUSSL) document. These amendments strengthen the requirement to use the AOSA Rules for Testing Seeds in State government regulatory seed testing. The goal is that each time a state opens their Seed Law or Regulations they will review RUSSL and see a clear guidance on requiring the use AOSA Rules for Testing Seeds and adopt those requirements for themselves.
 - ii) I had the opportunity to write two articles for the Seed Today magazine. In the first article I promoted working toward harmonization between seed testing rules and highlighted AOSA's and SCST's renewed effort to consolidate. In the second article I expounded in the need for seed testing and its growth and the need to foster/grow more seed analysts/technologists as well as recognizing the effort it takes to become a proficient in seed analysis
 - iii) I continue to be active on the Certification of Seed Analyst committee, providing seedling images for the germination practical exam.
 - b) SCST President (Melissa Phillips)
 - i) I participated in society emails and meetings and reviewed the monthly financials and approved bill payments. I have attended monthly principles calls and emails.
 - ii) In November I attended the Collegiate Crops Judging banquet and spoke about the importance of seed testing.
 - iii) I was able to attend the American Seed Trade Association meeting in Orlando, where I attended the SALT training, and I had a chance to touch base with ISTA's President Keshavulu Kunusoth. I acknowledged our continuing desire to work together but some items we would have to be put on hold as we work through consolidation. He and ISTA are still interested in working together and harmonizing where possible.



Analyzeseeds.com

- iv) I gave 2 presentations at the Genetic Super Workshop in Ames in February, also attending as many planning and genetic committee meetings as possible.
- v) I have completed 2 articles for Seed Today magazine.
- c) AOSA/SCST Executive Director (Jess Peterson)
 - i) Annual Meetings
 - (1) 2024 AOSA/SCST Annual Meeting update
 - (a) Registration:
 - (i) 146 total registrants (including staff, affiliates, and vendors)
 - (ii) The majority utilized online registration however, there were several that chose to go the invoice route and/or the USPS.
 - (b) Vendors:
 - (i) 4 Vendors this year--about our average
 - (c) Sponsors:
 - (i) 7 Sponsors, \$5K (Bayer), \$1K (NCIA), \$1K (AgReliant), \$500 (USDA AMS S&T), \$500 (Hoffman), Bean Buddy Walk (SoDak) and Name Tags (Visit South Dakota)
 - (d) Workshops:
 - (i) 2 workshops were submitted this year with great participation. We had to extend the deadline due to the popularity. As a side note, the Referee transitioned as a hybrid with Sabry presenting virtually.
 - (e) Committees:
 - (i) Most of the Committee Chairs and Co-Chairs opted for the in-person meetings.
 - (ii) There were 2 hybrid meetings with the Open Rules Discussion and Purity Subcommittee. Long-Range Planning will be the only session scheduled as hybrid.
 - (iii) AOSA Bylaws, Statistics, Seed Moisture, Consolidated Exam, Seed Vigor and Advanced Technology Committees were all held virtually before the in-person meetings.
 - (f) Meeting logistics:
 - (i) The office sent out a Save-the-Date in the middle of January with registration opening on February 23rd. We went with a different format this year to where each announcement was a one-stop-shop and mirrored the webpage. What we learned is that scrolling down through the options is sometimes a burden, the majority, or 75% of registrants, will sign up in April and May and the registration deadline needs to be more prominent. What registrants learned, all the information is there, there is a cutoff date and an offsite tour included with no extra cost is a WIN.
 - ii) AOSA/SCST Website
 - (1) The new website or the Online Portal, is going to be presented to both memberships with a mockup of the Homepage, Portal Dashboard and Portal Documents during Long Range Planning. More to come on the project under Old Business. We will of course, keep up with the current website with any updates.
 - iii) Job Postings
 - (1) 28 total and they tend to come in waves in the fall after harvest and right after the first of the year.
 - (a) 21 Job Opportunities at \$130 each for \$2,730.00 split profit
 - (b) 7 Rush posts at \$180 each for \$1,260.00 split profit
 - (c) Is it time for a rate increase?



- iv) Consolidated Exam Committee
 - (1) The Iowa State University AOSA exams produced 2 CSA-G's and 1 CSA out of 5 candidates. SCST produced 6 CVT's from an Associate and 5 RSTs from CVT. That's out of 13 candidates. These analysts/technologists will be recognized at the Awards Banquet on Wednesday evening.
 - (2) The USDA SRTD will again hold its annual Seed School on August 12-14th. The Purity and Germination exams will be held on August 15th and 16th. As mentioned before, the Purity exam is full, but the committee has secured two more exam sites to accommodate all the candidates. Currently, there are 13 AOSA candidates and 11 SCST. Keep in mind some of the candidates are both AOSA and SCST members and they are counted as each organization making the numbers inflated...as with everything these days. KP is working with the committee chairs to be sure that those that are SCST members write the exam as SCST due to AOSA NOT requiring an application to be recognized as an CSA-P or G IF they move to an AOSA lab.
 - (a) Mentorship is a great route to encourage membership and move towards that Registered or Certified categories.
- v) AOSA Membership Numbers
 - (1) 36 Official State Labs
 - (a) We have several labs that do not have a CSA or RST on staff, but it was determined at the May meeting to be patient with the hope they will hire an analyst soon.
 - (i) Connecticut
 - (ii) Illinois – unexpected passing of Mike Simpson
 - (iii) New Jersey
 - (iv) New Mexico – Kathleen Willey will retire in October.
 - (v) We need to get Ohio more engaged and once again be an official laboratory.
 - (2) 4 USDA Official Labs
 - (3) 1 Canadian Official Lab
 - (4) 2 Allied Labs
 - (a) We spoke about the Spanish Rules translation and how we could potentially get some membership in this category from South America. We are also going to work on the Bylaws to be more inclusive especially if consolidation happens.
 - (5) 6 Associate Members with 2 up for vote at the business meeting.
 - (a) David Johnston
 - (b) Brent Turnipseed
- vi) Membership Numbers
 - (1) There is a total of 281 SCST members. Of those, 6 have a dual membership. That's up 1 from 280 last year. KP received the exam results last week and has incorporated all the candidates that passed.
 - (a) 104 RST's
 - (b) 24 CVT's
 - (c) 3 CPT's
 - (d) 15 RGT's
 - (e) 7 CGT's
 - (f) 120 Associate members
 - (g) 3 Professional Members
 - (h) 5 Research Members
- vii) AOSA Publication Sales
 - (1) There was a total profit of \$23,502.20 of which is up about 65% from 2023 with \$17,492.50. We sold 92 Handbooks and 60 additional copy/network licenses.
 - (a) 26 - AOSA Rules Complete Set
 - (b) 6 - AOSA Rules Volume 1



- (c) 0 - AOSA Rules Volume 2
- (d) 0 - AOSA Rules Volume 3
- (e) 3 - AOSA Rules Volume 4
- (f) 0 – 2021 & 2023 AOSA Rules Complete Set & Individual Volumes in Spanish
 - (i) 2023 version was available for purchase on 05/06/24)
- (g) 16 – 2023 Cultivar Purity Handbook
- (h) 2 – 2024 Cultivar Purity Handbook
 - (i) Available for purchase on 05/23/2024
- (i) 14 - Seed Vigor Handbook
- (j) 6 - Seed Moisture Handbook
- (k) The TZ handbook will be available soon and the plan is to have a workshop in Missoula next year.
- viii) SCST Publication Sales
 - (1) There was a total profit of \$2,900.00 and a total of 10 handbooks sold. Down 2 from last year.
 - (a) 9 - 2018 Seed Technologists Training Manual
 - (b) 0 - 2018 Seed Technologists Training Manual in Spanish
 - (c) 1 – 2016 Chapter 14 only
 - (d) 0 – What is Seed Vigor CD
- d) Approval of reports
 - i) James Smith moved to approve the reports as given.
 - ii) Molly Richeson seconded the motion.
 - iii) AOSA/SCST Boards unanimously voted to approve the motion.
- 12) Old Business
 - a) AOSA Rules Spanish translation (Johnny Zook)
 - i) We did get the Rules translated this year. Kelly Polzin facilitated. We looked at doing it every other year with more promotion and increased influence in South America and moving seed to North America.
 - b) Vote on the 2026 Annual Meeting Location (Kelly Polzin)
 - i) There are two options in Lexington and one in Rochester with a fourth option also in Rochester.
 - (1) Johnny – Liked the idea of Rochester and the idea of drawing more involvement from the Northeast.
 - (2) James - Rochester is an easy airport
 - (a) Niagara Falls is nice and a great place to tour
 - (3) Melissa – there isn't any historical plan points
 - (4) Kyle – that is located near waterfalls, wineries, breweries and cideries
 - (5) Brenda - Airline ticket is cheaper to Rochester than Lexington
 - (6) Victor – There are several eastern Canada labs
 - (7) Molly Richeson called for a vote, and Option 3 was the majority.
 - (a) **Holiday Inn Rochester Downtown**
 - (i) Dates: June 5-11, 2026
 - (ii) Room Rates: \$169/night
 - (iii) **30% at federal per diem
 - (iv) Hotel Highlights:
 - 1. <https://www.ihg.com/holidayinn/hotels/us/en/rochester/rocny/hoteldetail>
 - 2. F&B minimum: \$25K
 - 3. Comp meeting space
 - 4. 20% attrition
 - 5. Complimentary meeting/guest room WiFi
 - 6. Complimentary airport shuttle



7. Located downtown walkable to restaurants

- c) Seedling Image Database – Charge a fee for membership use (Marija Topic)
 - i) I spoke to Riad, and we have a lot of seed images. May we move forward to release what we have, and will we charge a fee for use? I think everyone would pay for these images. Two families are finished. Riad needs approval of release and what the fee will be.
 - (1) Lynn – what do we pay now for seed images?
 - (2) Quinn – I think we would pay for curated and validated images. As a suggestion, we could charge \$100 for members and \$150 or 200 for non-members.
 - (3) Melissa – These could be used worldwide.
 - (4) Kelly Polzin – it would not be hard to integrate into our current or future website
 - (5) Molly - we need to be sure to place a note as a subscription that more is coming. I agree with the member vs non-member fees.
 - (6) Brenda looking at a business perspective, we should start at \$135 per year and you wait 5 or 6 years to raise the price
 - (7) Johnny thinks we should set our price point
 - (8) Lynn suggested that maybe rise the price in a few years
 - (9) James build in a profit margin at 20%
 - (10) It was unanimously agreed by the Joint Boards to charge a fee of \$135 for members and \$200 for non-members annually with the possibility of raising the price as more images are available per year.
 - (a) We need a marketing plan and presentation in LRP. Marija will communicate with Riad and David on a launch date.
- d) Online Portal (Quinn Gillespie)
 - i) We have been working with JTech, which is working on the seedling image database. We have worked with our own membership and document portal. It would be accessible by different groups along with any communications. We also would be able to distribute the Rules more efficiently through a membership database. We would also reduce the cost of payment services with our own system. This payment system would seamlessly integrate with QuickBooks. A lot of it would be about who we are, what we do and how the Rules are a necessary in our work. It would be a benefit to not only seed testers but also the public looking for seed testing.
 - (1) Melissa – It would be more of a central location for both the Boards and Committees.
 - (2) Lynn – We do not have enough revenue streams to invest in this and we will have to use our reserves.
 - (a) Melissa – This is an investment and we have been in worse spots. We just generated an income stream with the Seedling Image Database.
 - (b) Johnny – This is not a hap hazard move. It is calculated. We would not empty our reserves but bring them down a small amount.
 - (3) Jess – With the price of the online portal, we proposed that you maintain the WSS contract for 5 years with 10K annually or 50K at 5 years.
 - (a) Melissa suggested that the Executive Office produce a spreadsheet to present to the Boards as they go into an executive session to discuss. Jess agreed to do that.
- e) AOSA-SCST Consolidation (Melissa Phillips and James Smith)
 - i) Melissa - Long Range Planning presentation with a combination of both budgets in detail. I lined up each line item with intent of questions from membership and dues structuring.
 - (1) The Bylaws were presented to the members a few weeks ago.
 - (2) We have a table at the Seed Issues Forum
 - (3) At the LRP, lets pressure test on how this will work
 - (a) Once we get feedback, we are looking at getting an attorney and move to the next steps.



- (4) We have sent the slide deck to the industry associations for feedback, and we have heard back from ASTA and placed that letter in Teams.
- (5) Rules vs Business voting, we need some clarification.
 - (a) Melissa – The Rules voting will not change but Business will be different especially with what the dues’ structure might look like. We need training certification for good seed analyst/technologist. We have a very niche skill set and our services are in demand.
 - (b) Brenda – in the projected budget, do we need to show that the dues structure, quantified, looks like?
 - (c) Victor – Requirement to keep one person to lab.
 - (d) Molly – Value to have your accreditation and stress that it is. What are you getting when you pay for it.
 - (i) Kathy and Marjia stressed that we are proud of the hard work to achieve my accreditation.
 - (ii) Diandra – If the dues structure is changed the government labs would have to come around.
 - ii) James – We have met over 15 times and accomplished a lot in a year.
- f) Long Range Planning Final Agenda (Quinn Gillespie)
 - i) Under 2024 Annual Meeting file and AOSA/SCST Board in Teams
 - (1) Anything that is on the SCST Business agenda must be presented in LRP
 - (a) Necrology Report as joint 5 min
 - (b) Dues paid by May 1st so change the invoice date to March 1st and pay in 60 days or May 1st. Align with the current SCST C&B.
 - (c) Uniformity Working Group – most have dissolved into the committee from which they came
 - (d) Seedling Image Database update
 - (e) Committee Chair meeting at the Annual Meeting – Support and expectations 10 minutes
 - (i) Involvement from new analysts – Transparency, committee chair to share responsibilities
 - 1. The Joint Boards agreed to hold a committee chair meeting at the annual Meeting.
 - (f) STRF – 10 minutes
 - (g) Customized software and Online Portal – Quinn will present static pictures of the mockup. How we move forward will be determined on membership and continued work with the working group and JTech.
 - (h) Potential Income Streams
 - (i) Consolidation
 - (j) 2027, 2029 and 2030 form planning committees (KP will drop the map of the regions in the LRP slide deck on Teams) 20 Min
 - (i) 2028 AOSCA meeting will be jointly held
- g) Harmonization Working groups- Status and moving forward (Melissa Phillips)
 - i) The Uniformity Working Group have completed their tasks, and the seedling image database is still progressing. Jess Peterson and the Executive Office will report in detail at the AOSA/SCST Business meeting.
- h) STRF- Relationship moving forward (Melissa Phillips)
 - i) Both boards signed an MOU several years ago and it ran out with the boards deciding not to renew. If we did our own auction, could we use the money for other things? Maybe we could present to the membership as a survey.



Analyzeseeds.com

- ii) Lynn – the money could go towards certain projects. Some membership projects do not qualify for STRF funds. Restore an on-site auction to raise funds and leave the online auctions to STRF.
 - iii) Nicolette – What if we shared it as in 50-50. It might be more beneficial
 - iv) Victor – The STRF Committee is not against us making money, but we cannot share with them in the auction. They are us and research is not in a good place. I do not want to lose touch with the value of the opportunity and to participate in seed research.
 - v) Brenda – the STRF funds are not serving the purpose. How can we get the application process or certification standardization to work? Educate people on what the money is going towards. Maybe do an educational piece.
 - vi) Quinn - We can give STRF an answer on what might be happening towards applications declining.
 - vii) Molly – Involve STRF on what questions he wants.
 - viii) It was decided by the Joint Boards to continue with the STRF auction at the Annual Meetings but convey the message to the members that the funds are going towards the Seed Testing Research Foundation.
- 13) New Business
- a) USDA APHIS ITP Fruits & Seeds of Legume Genera of the World ID Tool (Johnny Zook)
 - i) Would you have any problem with posting this on the Website.
 - (1) Quinn suggested asking the Purity Committee and Debbie Meyer.
 - (a) The Joint Boards agreed that would be the best route.
 - b) Shaminder Miranpuri- request to share software (Melissa Phillips)
 - i) Should we allow her to present at the meeting? The leadership originally decided to not allow her and told her to purchase a vendor table.
 - (1) The joint boards agreed that if it is a product for sale, it must be a vendor booth.
 - (2) Quinn suggested establishing a policy on these types of situations as a unified position.
 - (a) Quinn will draft a policy.
 - c) Plan future Leadership calls and frequency.
 - i) Monthly on the second Thursday at 10:00 am Central Time starting in August.
- 14) Adjourn
- a) Lynn Robinson moved to adjourn.
 - b) James Smith seconded the motion.
 - c) All board members unanimously voted to approve the motion at 11:40 am MDT.



JOINT SCST-AOSA LONG RANGE PLANNING MEETING

June 5, 2024

- 15) Changes to the Business Meeting Agendas (SCST Vice President Quinn Gillespie)
 - a) Our necrology and history affect both organizations
 - b) To make this change on the agenda it must be presented at LRP
 - i) No discussion by the AOSA & SCST Membership
- 16) Changing the Dues Invoice Date to align with the SCST Constitution and Bylaws (SCST Vice President Quinn Gillespie)
 - a) SCST C&B for all members: Dues for the upcoming year shall be paid annually on or before May 1st.” – All members
 - i) Invoicing on May 1st means that we are out of alignment with our C&B
 - ii) Billing March 1st allows for ample time for all invoices to be paid and completed well before the May first deadline established in the SCST C&B
 - iii) This change would also allow time to finalize the previous year’s billing for memberships prior to the Annual Meeting.
 - (1) No discussion by the AOSA & SCST Membership
- 17) Uniformity Working Groups (SCST Vice President Quinn Gillespie)
 - a) The Seedling Image Database working group has continued in their work
 - b) The Other working groups have either completed their tasks or the work has been taken over by the relevant technical committees.
- 18) Update on the Seedling Image Database (SCST Vice President Quinn Gillespie)
 - a) Boards agreed on fees for access to database of \$135 annually for Members and \$200 annually for non-members
 - i) Release in about 6 weeks from now
 - ii) Question: will this be an addon to our current website? Yes
- 19) Annual Chairperson Meeting and involvement of New Analysts (SCST Vice President Quinn Gillespie)
 - a) The AOSA and SCST Boards would like to initiate a chairs meeting biannually with the board creating opportunity for updates, early morning discussion opportunity to and communication of any needs.
 - i) Question: What is your goal to keep chairs accountable? Both bylaws is appointed by the president.
 - ii) Question: Are you going to share the reports in the newsletter? Yes, if you noticed they were in the most current newsletter. We will continue this, so they are accessible to the entire membership.
- 20) STRF/Research Funding (Tim Gutormson)
 - a) The Board is made up of 7 board members
 - b) We have a new website and not that AOSA and SCST did anything wrong, but it gives outside and independent sources a way to provide sponsorship
 - c) History of AOSA/SCST Funded Research
 - i) 1989-2010 - Seed Testing Standardization Research Fund (AOSA STSRF) (Funded 24 research projects totaling for \$95,200)
 - ii) 2001-2002 – SCST Strategic planning initiative – Develop an endowment to fund practical seed research to complement STSRF.
 - iii) 2002 - Seed Testing Research Foundation incorporated as 501 c. (3) entity with three SCST members serving on the BOD.
 - iv) 2002-2006 - Fundraising to create 100k endowment.
 - v) 2007 - \$102,000 STRF balance invested in CDs and mutual funds.



Analyzeseeds.com

- vi) 2010 – 2023 - Funded 14 research projects totaling \$67K
- d) The people
 - i) Research Need ID: AOSA Member Labs; SCST Members; Industry/University database
 - ii) Project Review: Proposal Review Committee (PRC) Chair (Cindy Finneseth)
 - (1) SCST Research Committee Chair
 - (2) AOSA Research Committee Chair
 - (3) AOSA-SCST Referee Committee Chair
 - (4) 2 At-Large Representatives
 - iii) Funding & Fundraising
 - (1) Seed Testing Research Foundation
 - (a) STRF: 7 Directors
 - (b) AOSA BOD Representative
 - (c) SCST BOD Representative
 - (d) Industry Research Representatives (5)
 - iv) Proposal Submission through the final Report (Small-Scale & Standard Research Proposals)
 - (1) Call for proposals
 - (2) Project submission
 - (3) Proposal review & Notification of Award
 - (a) Proposal Review Committee screens and recommends proposals for funding. The STRF BOD receives the PRC recommendations and votes on funding each proposal. To date, all proposals recommended by the PRC have been funded.
 - (4) Project work
 - (5) Submission Final Report
 - (6) Knowledge Transfer
 - v) Funding History was presented from the years 2016 to 2023
 - vi) The financial balance Sheet was presented from Dec 31, 2023, at over 400K in total assets
 - (1) The income statement provided was 63K with an operating expense of 17K.
 - (a) We could give 15-20K per year depending on our returns
 - vii) Endowments
 - (1) Newlin Basic Seed Research
 - (2) Wiesner Seed Technology
 - viii) The Funding
 - (1) Seed Industry Associations: AOSA/SCST, Silent Auction, Sponsorships, Private Individuals, and Companies.
 - (2) Newlin Endowment
 - (a) \$125K Gift
 - (b) \$125K Match
 - (c) \$30K Seed Academy
 - (3) Weisner Endowment
 - (a) \$100 K Raised in 2007
 - (b) Money raised from the Silent Auction and Sponsorships
 - (c) \$32K Seed Academy into CDs
 - ix) Basket Challenge had great participation this year with one Canadian Province and 17 States.
- 21) Potential Income Streams brainstorming (SCST President Melissa Phillips)
 - a) The goal is to look to enhance income streams to enable projects, initiatives and decrease due dependance for annual operation
 - i) Examples of what we can do with added income
 - (1) Attend strategic industry meetings to enhance our presence and promote the importance of what we do i.e. ASTA
 - (2) Recruitment of the FFA Convention
 - (3) Offer Scholarships to meeting or workshops for members of students



Analyzeseeds.com

- (4) Offer annual college scholarship for those studying seed tech
 - (5) Offer vendor table scholarship for local universities near meeting cities
 - ii) Seedling Image Database – we are hoping to for it to be a global initiative
 - iii) Meeting in Missoula send out a save the date, USDA involvement and offer a possible lecture series
 - (1) We must travel and get out there for sponsorship
 - (2) Be present and attend industry meetings
 - iv) Professors-Paid webinars
 - v) Promote Communication – 6-month touch base
 - vi) Always have workshops
 - (1) Support USDA finds for training
 - (2) Suppliers inside info at workshops
 - (a) Outreach to regular vendors
 - vii) Updated on new technology
 - (1) Supplier funded workshops
 - (2) Fees go to organization operating expenses
 - viii) Seed art competition with an auction at the end
 - ix) What would you really want to be funded, currently?
 - (1) Assess your labs and seek out matches
 - x) Online store on Instagram with seed nerd attire. No overhead but you do not have to maintain inventory
 - xi) Marketing and sales committee with specified duties with fundraising
- 22) Analyzeseeds – Online Portal (SCST Vice President Quinn Gillespie)
- a) Customized Software and Portal for Analyzeseeds.com
 - b) Current site was originally designed to be a landing page for the joint annual Meeting
 - c) Membership voted to form a joint website, built on the same platform
 - d) Trying to add in previous functionality has been an uphill battle
 - e) In streamlining, we need a more robust solution than the current platform is capable of.
 - f) Public facing changes
 - i) Improved public face of both organizations with a clearly defined mission
 - ii) Improved member listing, including lab information and accreditations in a streamlined format.
 - (1) Easier to locate individual labs and members
 - (2) Additional benefit for memberships to promote their expertise
 - iii) Simpler navigation for both the public and membership
 - iv) Membership Portal
 - (1) Private area, requiring a sign-in
 - (2) Individual download link for the Rules
 - v) The ability to control access to our archives, including integration with Seedling Image Database.
 - vi) Would only require one approval from company IT to access
 - vii) Quinn presented the draft Membership Dashboard and Document Listing
 - g) Quality of Life Changes
 - i) Customized payment system
 - (1) Designed to encompass purchases from our bookstore, payment of dues, and registration for the meeting
 - (2) Reduced fees for credit card payments and integrated ACH
 - (3) Allows for organizational finances to be synchronized for regular updates
 - h) Going Forward
 - i) Creating a system that functions the way we need it to.
 - ii) Providing a stable foundation, we can use it to expand in the future as we need to.



Analyzeseeds.com

- iii) Keeping the site focused on our mission of testing seeds and providing accurate results using validated methods
- i) Cost of the Portal
 - i) The portal will cost each association \$12,500 per organization for 2 years. (\$50K total)
 - ii) This money will not be in the annual budget but taken from savings.
 - iii) The remainder of the portal cost will be covered by Western Skies Strategies.
 - iv) The organizations will continue with WSS for 2 years.
 - v) FY 25 costs for WSS will remain stable for year 1 and we will see a reduction in WSS fees for year 2 of the agreement due to streamlined functions via the portal
 - vi) Question: Check our CE points? Yes, initially it was not in the first build but can be implemented later.
 - (1) Raise money to build our new website
 - vii) Question: have you considered a plug-in membership?
 - (1) This what we are currently using, and this is all custom
- 23) Consolidation and Feedback (SCST President Melissa Phillips)
 - a) Name: AOSA-SCST maintain the global recognition
 - b) Voting (AOSA Vice President James Smith)
 - i) Each Government lab will get one vote (same as now)
 - ii) Each Registered and Certified member will get one vote
 - (1) Same as now, but there will be more Registered and Certified members when CSA's are "converted"
 - iii) The Tabulation of votes will remain the same
 - c) Voting on General Organization Business – All Non-Rules
 - i) All individual members will get a vote on society business
 - ii) The vote will require 2/3 majority to pass
 - iii) Question: is it every member? No, only accredited but it is up for discussion.
 - iv) Question: Would it just be the Rules considering the Bylaws? Use the same method as the Rules but all other business would be different.
 - d) Board of Directors
 - i) Added a minimum of 2 non-government members and 1 Genetic member to Bylaws
 - ii) An even number of voting members – Roberts Rules of Order states ex-officio member will vote to break tie
 - iii) Executive Director is NOT a voting Board member
 - iv) Question: who is the ex-officio? It is currently USDA
 - v) Statement: As the chairman of STRF, I have never voted on a tie.
 - vi) Question: What is the total number of Board members? In the webinar, it is the same number of board members we have now. We would have a minimum of 2 governments.
 - e) Consolidated Budget
 - i) Disclaimer
 - (1) The numbers about to be shown were correct as of last week. The actual budget numbers may have changed over the duration of the meeting.
 - (2) Final FY25 budgets will be discussed in the business meeting on Thursday.
 - (a) Presented the draft budgets in paper and shared spreadsheet
 - (3) What I am trying to say....Don't freak out!
 - (4) Line items were rearranged to align with each other
 - (5) Gaps in line items are where there was not a matching line item.
 - (6) Cost savings are identified with rationale last column, these are susceptible to error.
 - f) Dues
 - i) Option 1
 - (1) Current structure: AOSA Labs pay more than the current
 - (a) Current AOSA dues are insufficient for annual expenses



Analyzeseeds.com

- ii) Option 2
 - (1) Everyone pays: All accredited individuals and AOSA Labs
- iii) Option 3
 - (1) All accredited individuals pay dues
 - (a) Labs don't pay dues
- iv) Option 4
 - (1) Everyone Pays: All accredited individuals and AOSA Labs pay
 - (a) Lab gets 1 free person
- v) Option 5 – Editable adjustments
 - (1) AOSA lab averaged out based on membership and pay one fee based of that average.
- vi) Reminder of what the results were of the survey on this subject
 - (1) Option 2 and 4 were the most popular
- vii) Notes and comments on Consolidation
 - (1) Keeping many accredited analysts may be expensive for government labs
 - (2) California – RST pay their own dues
 - (3) We don't want to discourage government labs from having more accredited analysts
 - (4) State Labs are autonomous but required to use AOSA Rules
 - (5) Final Decisions will have to be made by everyone
 - (6) Letter for the USDA & NASDA
 - (7) Letter of intent from both organizations
- g) Bylaws – QMS – SOP's (SCST Director Kathy Mathiason)
 - i) We will comply with legal Bylaws format/language
 - ii) Yes, membership will still need to approve all bylaw changes
 - (1) BOD will not replace Bylaws committee; BOD will appoint one when necessary
 - iii) Eliminate use of “QMS” and use “Document Control”
 - iv) The Board will not be writing all SOP's
 - (1) A Committee Creation-Dissolution SOP has been drafted
 - v) Committees that have submitted their SOPs since last year's request: 11
 - vi) Bylaws – Feedback Comments (SCST President Melissa Phillips)
 - (1) Slimmed down Bylaws to avoid persistent changes
 - (2) Removing daily operational items for bylaws and moving to doc control documents.
 - (3) Keeping critical organization items within the bylaws
 - (4) Bylaws were sent out last week
 - (5) We will send another survey on the bylaws after the meeting.
- h) Industry Feedback – Proposal Sent on 4/05/2024 (AOSA Vice President James Smith)
 - i) AOSCA: No negative feedback received
 - (1) Anticipate feedback after their annual meeting
 - ii) AASCO: No negative feedback
 - (1) Topic is on the agenda for their July Meeting
 - iii) ASTA: Sent a letter this week and was read by SCST President Melissa Phillips
 - (1) Send to NASDA
- i) Next Steps: 2Year Plan
 - i) “Building a new house”
 - (1) Year 1 - Starting now
 - (2) Post Meeting Survey
 - (3) Acquire an attorney
 - (4) Official vote for approval of the new organization
 - (a) Would be done electronically to ensure all members vote
 - (b) Letter of intent would be based of the Bylaws
 - (c) We would transfer all our assets before ‘moving in’
 - (5) Create the new association



Analyzeseeds.com

- (6) Look at logistics and the fine details needed
- ii) “Moving into the new house that is furnished and landscaped”
 - (1) Year 2
 - (2) RFP for Executive Director sent out
 - (3) Finalize policy documents and SOP’s
 - (4) Finalize and execute the transition plan
 - (5) Vote to dissolve the individual organizations
- 24) Future Meeting Planning Breakout
 - a) Planning for Regions 2027, 2029 and 2030. 2028 will be held in conjunction with AOSCA



JOINT AOSA/SCST BUSINESS MEETING

ASSOCIATION OF OFFICIAL SEED ANALYSTS
SOCIETY OF COMMERCIAL SEED TECHNOLOGISTS
JUNE 6, 2024

- I. Call to order- Presidents, Johnny Zook (AOSA), Melissa Phillips (SCST) - The Business meeting was called to order by President Johnny Zook at 7:51 am.
- II. Appoint Parliamentarian(s) and Sergeant-at-Arms - Nish Patel and Jason Perrault was appointed by President Zook and President Phillips.
- III. 2024 Rules Vote – voting was conducted via paper ballots.
Todd Erickson – USDA appointed to count AOSA Ballots.
Tom Mager – Beck’s Hybrids, and Tyann Alexander – SGS appointed to count SCST Ballots.
- IV. Executive Director Report – Jess Peterson presented the State of the Association and State of the Society as a power point to the memberships. The report will be available on the website.
- V. Committee Reports
 - A. Advanced Technology Committee – Ruoqing Wang & Brent Reschly
 - B. Communications and Publications – Kathryn McGinnis & Quinn Gillespie
 - C. Continuing Education Committee – Leanna Leach & Kathy Mathiason (Corrected and relocated under subcommittee reports)
 - D. Consolidated Exam Committee Report – Leanne Duncan & Sarah Graybill
 - E. Genetic Board of Examiners Report – Molly Richeson
 - F. Genetic Technology Committee – Molly Richeson
 - G. Handbook Committee – Victor Vankus & Diandra Viner
 - H. Liaison (Affiliate Organizations) Committee – Johnny Zook & Melissa Phillips
 - I. Necrology Committees – Kathleen Willey (AOSA) & Matt Levy (SCST) – Kathleen and Matt were not present. Johnny Zook (AOSA) and Melissa Phillips (SCST) reported on their behalf.
 - J. AOSA and SCST Proficiency Testing Committee – Jeanna Mueller & Heidi Larson – Jeanna and Heidi Larson were not present. Heidi Arneson, new SCST Chair, reported on their behalf.
 - K. Referee Committee – Lan Chi Trinh & Quinn Gillespie
 - L. Research Committee – Sabry Elias & Eunsoo Choe
 - M. Rules Committee – Todd Erickson
 - N. Teaching and Training Committee – Anitra Walker & Angie Croft – Anitra and Angie were not present. Kathy Mathiason reported on their behalf.
- VI. Research/Subcommittee Reports
 - A. Conservation, Reclamation, Tree and Shrub Subcommittee – Randy Crowl
 - B. Cultivar Purity Subcommittee – Diandra Viner
 - C. Continuing Education Subcommittee – Leanna Leach & Kathy Mathiason (as reported earlier in the agenda under committee reports)
 - D. Flower Seed Subcommittee – Kathy Mathiason & Sarah Dammen
 - E. Germination and Dormancy Subcommittee – Riad Baalbaki & David Johnston – No report given as Riad and David were not present.



Analyzeseeds.com

- F. Lab Standards and Documentation Subcommittee – Todd Erickson & Angie Rutt
- G. Purity Subcommittee – Nishit Patel & Deborah Meyer
- H. Seed Moisture Subcommittee – Sabry Elias – No report given as Sabry was not present
- I. Statistics Subcommittee – Sabry Elias & Karen Richard – No report given
- J. Tetrazolium Subcommittee – Beth Stewart & Shaminder Miranpuri
- K. Seed Vigor Testing Subcommittee – Riad Baalbaki & Laura Carlson – No report given as Riad and Laura were not present.

VII. Annual Meeting Resolution – Kathy Mathiason

Quinn Gillespie moved to adjourn; Molly Richeson seconded. Adjourned 9:13 am Mountain Time.



113TH ANNUAL BUSINESS MEETING OF AOSA

June 6, 2024

- I. Call to Order: The Business meeting was call to order by President Johnny Zook at 10:45 am. Roll call and quorum was established during the Joint Business Meeting prior to Rules voting.
- II. Appoint Sargent-at-arms - Kyle Arvin appointed by President
- III. Approve Agenda – Lynn Robinson moved; Dave Stimpson seconded. Motion carried
- IV. Approve Minutes as printed in the 2023 Saskatoon, Saskatchewan, Canada Annual Meeting Proceedings - James Smith moved to approve the minutes, seconded by Lynn Robinson. Motion carried.
- V. Summary of the June 1, 2024, AOSA Executive Board Minutes – Johnny Zook provided a summary of the minutes and clarified that the full minutes would be included in the 2024 Annual Meeting proceedings.
- VI. Reports
 - a. President – Johnny Zook
 - b. Vice President – James Smith
 - c. Secretary/Treasure’s Report (Lynn Robinson & Jess Peterson)
 - i. Financial update
 1. Financial Report – Jess presented the financial report
 - a. Assets were presented with the Wells Fargo Checking and First Federal CD.
 - b. Liabilities and Equity was included
 - c. Profit & Loss for fiscal years starting from 2018 to 2024
 2. Budget – Lynn presented the budget
 - a. Vivin is working to clean up our budget categories.
 - b. Legal fees were added for consolidation
 - c. Travel was increased to cover industry meetings both domestic and international
 - d. We are operating in the red however, Jess emphasized that we should not sit on the USDA funds. There are other sources of revenue i.e. Seedling Image database.
 - e. Our goal is to break even and look for other opportunities for more revenue streams. Try to keep a cushion but try to sponsor other projects.
 - f. Is the Annual Meeting split between membership and revenue? No, we are split 50% evenly between AOSA & SCST.
 - g. The USDA funds are represented incorrectly and will be updated.
 - h. This will become more in line when the actual numbers from the revenue from the Annual Meeting are reflected.
 - i. Dave Stimpson moved to approve the budget as amended, seconded by Diandra Viner. Motion carried.
 - d. Executive Director Report
 - i. Membership Update – Jess Peterson provided the report in the AOSA-SCST Joint Business meeting



- ii. Activity Report - Jess Peterson provided the report in the AOSA-SCST Joint Business meeting
 - e. Committee Reports
 - i. Bylaw – Lynn Robinson
 - ii. Nominations/Election – Bridget Westfall
 - iii. Membership – no report
 - iv. Financial Audit– Lynn Robinson – Nish Patel and Kathy Mathiason
 - 1. The AOSA Financials are in good order
 - f. Acceptance of reports (member vote) – David Stimpson moved to approve the reports as given, seconded by James Smith. Motion carried.
- VII. Unfinished Business
 - a. Vote on Brent Turnipseed and David Johnston - Associate Member
 - i. The Membership Committee and Board of Directors had found their applications to meet the requirements for Associate Membership. Voting was unanimous to accept Brent and David as an Associate Member
 - b. Vote on Janine Maruschak and David Johnston- Honorary Member
 - i. Voting was unanimous to accept both Janine Maruschak and David Johnston as Honorary Members.
- VIII. Recognition of outgoing Board Members (Johnny Zook) – Johnny and Jess presented certificates to Lynn Robinson, Kyle Arvin and Diandra Viner and thanked them for their service.
 - a. Jess Peterson presented the presidents gavel plaque to Johnny Zook for his 2-year term as AOSA President.
- IX. Installation of new Board Members (Johnny Zook) – Johnny installed Diandra Viner as Vice President, Lynn Robinson as Secretary Treasurer, Nish Patel and Leanna Leach as new board members. All were present and completed the oath. Johnny indicated that the AOSA Board Code of Conduct acknowledgement would be emailed to each new board member for completion.
- X. Announcement of Next Annual Meeting – 2025 Missoula, MT
- XI. Adjourn - Bridget Westfall motioned and seconded by Nish Patel. Motion carried.

AOSA PRESIDENT’S REPORT, JOHNNY ZOOK

It has been my pleasure and honor to serve in the presidency and represent AOSA over the last two years, and I thank you for that opportunity. This is a bittersweet departure as I have, for 16 of the last 17 years, served on the AOSA board in some capacity. I enjoy participating, but I’m also ready for a break.

Most of the enjoyment of serving on the board comes from the people we get to work with. I am ever grateful for the board members and all their contributions and insights in the administration of the Association. I would like to thank James Smith - MS (VP). James has been active in the consolidation working group and brings a rich knowledge of the seed industry. James is a steady rock not easily distressed. I looked forward to his installment as president at close of this meeting. I also wish to thank Lynn Robinson - NE (Sec./Treas.) Last year, at the annual meeting, Lynn stepped up and accepted an appointment to finish out the term of our previous Secretary/Treasurer. Lynn hit the ground running, and quickly found her feet, and now the membership has elected Lynn to the position, congratulations.



Analyzeseeds.com

I also wish to express thanks to the rest of the board, Victor Vankus -USDA, GA, Jeanna Mueller - ND, Gordon Baldrige - AR, Shanne Stapleton – VA, Diandra Viner - MI, Kyle Arvin – NY, and Todd Erikson USDA, SRTD.

Two of our board members are leaving the board: Shanne Stapleton has resigned, and Kyle Arvin has completed his term.

Joining us on the board is Leanna Leach – SC and Nish Patel – PA. I extend a warm welcome to you and hope you enjoy your time on the board, and I encourage you to share your thoughts and resources as I know the others will do with you. Congratulations.

The membership has also elected Diandra Viner as the new Vice President and thus allowing her to continue the on board, again, congratulations. Diandra is very active in ASOA and has done a great job advancing the various projects she has been involved with. Her thoughtful participation is always welcomed and will serve the Association well.

I want to give a thank-you to the Western Skies team for all their efforts and support of AOSA. They include Jess Peterson, Kelly Polzin, Kelly Fogarty, and Vivian Watson.

Special thanks to Kelly Polzin as we worked together to get the Spanish version of the AOSA Rules For Testing Seeds updated this year. Kelly was innovative and kept in contact with the translator until the project was done.

I want to express thanks to the Diandra Viner and Victor Vankus and the technical committees for their work updating the cultivar Purity handbook (available now), the TZ handbook (which will be available in July), and the Purity handbook updates (available now).

Over the past two years I have tried to advance AOSA's interest while looking for ways to support and work with our affiliate organizations. AOSA continues to be one of the most dynamic and productive organizations that I participate in, and I appreciate how many Affiliate Members actively involved in support of Association. We have had some interesting times, but we have come through them thanks to peoples' willingness to work on the issues and keep pressing forward. You play an important role in keeping the AOSA Rules for Testing Seeds relevant for consumer protection and creating a level playing field for the Seed Industry.

This past year I've participated in board and principal meetings, attended the Association of American Seed Control Officials (AASCO) annual meeting, maintained contact with the USDA SRTD as well as with International Seed Trade Association (ISTA), and attended several American Seed Trade Association (ASTA) Seed Industry Relations Meetings. Earlier this year, working through AASCO, I submitted two proposals to amend their Recommended Uniformed State Seed Law (RUSSEL) document. These amendments strengthen the requirement to use the AOSA Rules for Testing Seeds in State government regulatory seed testing. The goal is that each time a state opens their Seed Law or Regulations they will review RUSSEL and see a clear guidance on requiring the use AOSA Rules for Testing Seeds and adopt those requirements for themselves.

I had the opportunity to write two articles for the Seed Today magazine. In the first article I promoted working toward harmonization between seed testing rules and highlighted AOSA's and SCST's renewed effort to consolidate. In the second article I expounded in the need for seed testing and its growth and the need to foster/grow more seed analysts/technologists as well as recognizing the effort it takes to become



Analyzeseeds.com

proficient in seed analysis. I appreciate Seed Today in giving us this chance to share our thoughts and perspective, and I hope we maintain this relationship for a long time.

I continue to be active on the Certification of Seed Analyst committee, providing seedling imagines for the germination practical exam.

As the AOSA President, I facilitated the Liaison committee meeting at this year's annual meeting, details can be found in the Liaison report.

I also conducted the Regulatory meeting at this year's annual meeting where discussions were held on the several topics of regulatory concern. These are reported in more detail in the report of the AOSA Regulatory committee.

We have one bylaw proposal submitted this year for voting. The goal is to reduce our need for a membership committee and move the responsibility to the Vice President. This committee has been functioning as a single person and this seems to make sense. I ask that you please consider the proposal and support it with your vote.

I wish to thank Ernest Allen the Seed Regulatory Testing Division (SRTD) Director from the USDA in his support of AOSA in allowing personnel to participate on the Board, and in the various committees, and to recognize and thank the USDA for support in funds received that we were able to use to update the Spanish Version of the AOSA Rules For Testing Seeds, and to use in support of the Annual Meeting. Please take time to thank those from the USDA and show our appreciation. In addition, I encourage members to go, or to send a representative, to the 2025 ISTA Annual Meeting. I ask you to consider this in support of Ernest as he will be installed as the ISTA president. A strong attendance of US representatives would show we are serious about the Seed Industry beyond north American and reciprocate the support Ernest and the USDA has shown us.

I want to thank the SCST leadership for the cooperation and positive input as our boards met and during the monthly principal meetings. The SCST leadership puts in the time and effort needed to have meaningful dialog and informed decision making. Working together means there are challenges, but we are stronger with each challenge we overcome.

I want to thank the PA Dept of Agriculture and its Bureau of Plant Industry. Specifically, Bureau Director, Frank Schneider, and Agronomic Regional Services Division Chief, Erin Bubb. With their support I was able to commit myself to the time needed to serve in the various positions on the board over the years.

Again, thank you, for giving me this opportunity to serve as AOSA President.

Respectfully submitted.

Johnny Zook, CSA
AOSA President



100TH ANNUAL BUSINESS MEETING OF SCST

June 6, 2024

- XII. Call to Order - The Business meeting was call to order by President Melissa Phillips at 9:33 am.
- XIII. Anti-Trust Policy
- XIV. Appoint Sargent-at-arms - Ryan Keever, Steve Beals appointed by President Phillips
- XV. Roll Call - Roll call and quorum were established during the Joint Business Meeting prior to Rules voting.
- XVI. Approve Agenda – Brenda Johnson moved; Kathy Mathiason seconded. Motion carried
- XVII. Approve Minutes as printed in the 2023 Annual Meeting Proceedings – Quinn Gillespie moved to approve the minutes, seconded by Molly Richeson. Motion carried.
- XVIII. Reports
 - a. President (Melissa Phillips)
 - b. Vice President (Quinn Gillespie)
 - c. Directors-at-large
 - i. Brenda Johnson
 - ii. Kathy Mathiason
 - iii. Desirae Jones
 - iv. Marija Topic
 - v. Molly Richeson
 - d. Executive Director Report (Jess Peterson)
 - i. Membership Update – as given during the joint AOSA/SCST Business meeting.
 - ii. Activity Report - as given during the joint AOSA/SCST Business meeting.
 - e. Financial update (Jess Peterson)
 - i. Financial Report
 - 1. Reported totals in the bank accounts (Wells Fargo Checking & First Federal CD)
 - 2. Assets were covered in detail.
 - 3. Liabilities and Equity totals were given
 - ii. Budget – Melissa Phillips and Jess Peterson
 - 1. Jess emphasized decreasing our Annual Meeting footprint
 - 2. Credit card fees will decrease due to the online portal
 - 3. We are running on tight margins
 - 4. Net Operating is broken down well with the services provided to SCST
 - 5. Recommended to keep moving forward on consolidation
 - 6. Sponsorships – we need a firmer ask
 - 7. Last year’s Hotel attrition, has it been resolved? With the work of Kelly Fogarty, she negotiated down to \$10 K each organization.
 - 8. Dave Stimpson moved to approve the Budget, seconded by Jason Perrault. Motion approved
 - f. Audit Committee (Emily Morrison and Jason Perrault)
 - i. Reviewed records and are in order.
 - g. Committee Reports
 - i. Historian/Necrology – as given during the joint AOSA/SCST Business meeting.



- ii. Ethics – Rachel Henricks & Brent Reschly – Rachel and Brent were not present. Quinn Gillespie gave the report on their behalf.
 - iii. Nominating – Brad Johnson was not present; Sam Banks gave the report on his behalf.
 - iv. Kathy Mathiason moved to approve, seconded by Molly Richeson. Motion carried.
- XIX. Old Business
- a. 2023 Voting completed
 - i. We did not have a quorum at the 2023 Annual Meeting and followed up electronically for all voting.
 - b. Consolidation
 - i. Conduct a vote on moving forward with the consolidation initiative.
 - 1. Neal Foster motioned to approve, seconded by Dave Stimpson. Motion carried.
- XX. New Business
- a. Change invoicing for membership dues to March 1st to comply with current SCST constitution and Bylaws
 - i. This will help with accounting and how the budget is reflected.
 - 1. Brenda Johnson motioned to approve, seconded by Quinn Gillespie. Motion carried.
- XXI. Other Business
- a. No other business to be conducted
- XXII. Recognition of outgoing Board Members (Jess Peterson) – Jess presented a certificate to Brenda Johnson and thanked her for her service.
- XXIII. Installation of new Board Members (Jess Peterson) – Jess installed Nicolette Hard as a new SCST board member, and she completed the oath.
- XXIV. Announcement of next annual meeting – 2025 Missoula Montana
- XXV. Adjourn – Brenda Johnson motioned and seconded by Nicolette Hard. Motion carried at 10:25 am

Board comment: After the conclusion of the SCST Business Meeting it was determined and verified that a quorum of voting members had not been present. This was not confirmed until after the business meeting, and per Robert's Rules of Order, a digital vote was sent to the entire voting membership to ratify the actions taken at the SCST Business Meeting.

EXECUTIVE BOARD REPORTS

DIRECTOR AT LARGE, BRENDA JOHNSON

In the past and final year as a Director at Large on the SCST Board of Directors, I have actively participated in Genetic Technology Committee including Super Workshop Planning providing two virtual presentations on 1. Herbicide Solution Preparation and 2. Quantitative ELISA Testing for the Seed Industry. I Provided input on the Consolidation Committee, participated in monthly, virtual Board meetings, and completed the study funded by Seed Science Foundation for devitalization of seed by freezing with full credit to Maranda Gillen.



Analyzeseeds.com

It has been a pleasure to serve and represent the SCST membership for the past 3 years. The highlight has been serving on what we understand is the first all-female board. This group is leading with honesty, authenticity, integrity, and a random dose of odd humor that I cannot express how much I appreciate.

Stating the obvious, I am not a writer nor a public speaker. My heart is still pounding. I've stumbled a lot, but I continue to persist. I believe this industry is essential and deserving of the dedication that you all put in. I feel the organization has taken solid steps in the direction of progress and agility during my tenure that will sustain the organization for years to come.

Finally, thank you to my employer, Eurofins BioDiagnostics, and my coworkers for supporting my participation, and the SCST membership for the opportunity to serve on the board.

Respectfully Submitted,

Brenda Johnson

DIRECTOR AT LARGE, DESIRAE JONES

I completed my second year as a Director at Large for SCST. I responded to emails with membership and industry concerns, attended board conference calls, and reviewed the monthly financial reports.

I finished my 5th and final year as the SCST co-chair of the Rules committee and implemented the rules changes in the corresponding volumes of the AOSA Rules.

I contacted my local school district and high school FFA teacher for outreach and to set up a lab tour for the ag classes next fall.

I have enjoyed the last year witnessing the collaboration towards consolidation, putting our differences aside to establish our new association. From my first intimidating meeting in St. Louis through my time on the board, I am continually amazed by the kindness and inclusive nature of so many of our members. Our passion for seed testing and promoting our industry will carry us into a stronger organization.

Respectfully submitted,

Desirae Jones

DIRECTOR AT LARGE, KATHERINE MATHIASON

This was my second year as a Director at Large. I serve as the chair of the SCST Continuing Education Points committee. As such, I record CE points for the Society's Registered, Certified, Professional, and Associate members and send shortage notices. Along with the AOSA CE Points chair and the Teaching and Training co-chairs, we approved CE points for workshops held throughout the year and submitted our committee SOPs to the Lab Standards and Documents committee.

As a co-lead of the AOSA/SCST/ISMA joint project "Development of a Digital Reference for Seed Identification of the Species on the AOSA/SCST Exam List", I moderated Q&A sessions for authors, met with my fellow co-leaders to discuss factsheet submissions, and held an author training session at this annual meeting.



Analyzeseeds.com

I serve as a co-chair of the Flower Seed Subcommittee. I compared AOSA and ISTA purity weights to identify flower species that could be worked on for referees or rule proposals. I attended Genetic Technology committee meetings, helped write SOPs, and gave two presentations at the Genetic Superworkshop. I am also on the RGT BOE.

I am a member of the Consolidation working group, attended many meetings, helped give two presentations/webinars, and participated during LRP. I was part of the Germination working group and the annual meeting planning committee. I attended the AOSCA North and West Regional meeting in Custer, SD in April. I attended many AOSA/SCST webinars, participated in a Kentucky bluegrass referee and a sorghum/sorghum sudangrass referee, and completed all SCST proficiency tests.

Lastly, I participated in all SCST Board calls and emails. I highly recommend getting involved in committees and leadership positions. I have gotten out of my “shell” and now look forward every year to the opportunity to introduce myself to strangers (or strange seed people!).

Respectfully submitted,

Kathy Mathiason

DIRECTOR AT LARGE, MOLLY RICHESON

Over the past year, I have spent a significant amount of time working with the Genetic Technology committee of which I am a co-chair. Each member of Genetic Technology was assigned a subcommittee on which to serve after our last Annual Meeting which I personally welcomed them to. Each subcommittee was assigned projects for the upcoming year.

We met 11 times over the past year and submitted our minutes to both SCST and the newsletter for each meeting. The Committee Structure subcommittee submitted SOPs for the Genetic Technology Committee itself, Superworkshop Planning, and the Subcommittees. They also reviewed both the Genetic Technology and RGT Board of Examiners webpages for broken links, outdated resources, and updated our information as necessary. The Education subcommittee focused mostly on the 2024 Genetics Superworkshop which included creating agendas, assigning topics, recruiting speakers, developing many hands-on activities, taking photos, setting the dates and location, providing catering, developing a budget, securing a hotel block, applying for CE points, creating an announcement, distributing the presentations on provided flash drives, and providing parking.

I also presented several topics at the Superworkshop including some hands-on activities, created and consolidated the evaluation forms, and secured the proceeds to be delivered to SCST. In addition, the Education subcommittee created a pop quiz for the newsletter to encourage our members to refresh their knowledge and to prepare for upcoming RGT exams. They also created and distributed the genetics proficiency test, which results I have reviewed.

I presented a webinar on PCR Master Mix Calculations on behalf of the committee as well. The Newsletter subcommittee submitted four new member biographies to the newsletter along with genetics study material for each issue created since our last Annual Meeting. They created our advertisement for the Superworkshop along with an article following the Superworkshop about the same. In addition, an article covering the STRF particle size study, a summary of our 2023 genetics proficiency test results, and an article describing the genetic testing workshop were also submitted.



Analyzeseeds.com

Our Research subcommittee has been working on a virtual Herbicide Bioassay practical exam to replace our current practical since seed sourcing has become an issue. They have been producing material for the exam which I have also reviewed. I will not take credit for all of the work of this committee which I am incredibly proud of, but I will say that I coordinated its movements. For the Annual Meeting, I wrote the agenda with suggested goals for the upcoming year and confirmed our preferences for the meeting along with working alongside Diandra Viner, chair of the Cultivar Purity committee, to combine our meetings for this year to discuss the possible merge of our two committees.

In addition to Genetic Technology committee, I chair the RGT Board of Examiners. We have only needed to meet once over this past year. We have filled out our Board, recruiting Brad Johnson and Zach Duray, and in an attempt to source seed for our herbicide bioassay practical, we influenced the Research subcommittee's project for the Herbicide Bioassay virtual practical exam. We also reviewed our materials for the four remaining practicals and found them satisfactory. We reviewed the exam and reinstatement applications. I counseled an RGT candidate on a study plan for re-examination. We also held an exam in September in Brookings, SD as well as an exam here at the Annual Meeting. Of course, all exam applications and results were reviewed and graded by the RGT Board of Examiners, a total of five exams across two applicants. I issued Records of Examinations and reported them accordingly. I wrote the agenda for this Annual Meeting along with suggested goals for the upcoming year.

I have attended each Board meeting and reviewed minutes and agendas along with writing my reports for each meeting. I reviewed the Consolidation Proposal, responded to the survey, and made my comments and suggestions. I also attended the Rules Proposal webinar.

Outside of my duties within SCST, I gave a presentation on HPLC analysis of seed treatment at the Illinois Seed Trade Association in August. I also began taking a Bioinformatics course and reading *Leading at a Higher Level* by Ken Blanchard to improve my leadership skills as well as being an active participant in *Women in Leadership of Central Illinois*.

Respectfully submitted,

Molly Richeson

DIRECTOR AT LARGE, MARIJA TOPIC

In my first year as a Director at Large, I have had the privilege of collaborating closely with fellow Board members, and I've learned a great deal from our interactions.

- I actively participated in Board calls, email discussions and AOSA/SCST webinars.
- I took on a leadership role as a co-lead for the joint project of the AOSA/SCST/ISMA "Development of a Digital Reference for Seed Identification of the Species on the AOSA/SCST Exam List" and I helped with the teaching and training session at the annual meeting.
- I am an active member of the Consolidation working group, Referee committee, Germination working group, Seedling evaluation review group.
- I serve as a member of the Idaho State Department of Agriculture Advisory Board, where I provide insights and updates regarding AOSA/SCST business.
- I attended workshops in Iowa and California, as well as seed grader school in Gastonia. Additionally, I engaged with professionals from various seed organizations at the Idaho Eastern Oregon Seed Association winter convention.



Analyzeseeds.com

- Collaborating with the College of Idaho and Future Farmers of America (FFA), I actively promoted seed testing.
- I organized referee testing on sweet corn, collaborating with six other labs. The results were presented at the annual meeting, including an in-house study on sweet corn.
- I provided tutoring to four analysts, resulting in three analysts obtaining CVT certification.
- Prepared 240 samples for ISTA referee testing for Illinois Crop Improvement and participated in ISTA referee testing.
- I helped to obtain USDA Accredited Seed Laboratory (ASL) accreditation for my lab.
- I obtained Certification for an Officially recognized foreign lab, and US seed grader recognized by Canadian Food Inspection Agency (CFIA).

Respectfully submitted:

Marija Topic

SCST VICE PRESIDENT, QUINN GILLESPIE

My first year as a Vice President has been a busy one. I have worked with the rest of the AOSA and SCST board to develop templates and policy documents for the annual meeting. I have been a part of the online portal working group and attended all meetings with the working group and JTech. I also participated in all board calls and monthly meetings with the principals of AOSA and SCST. I have also attended regional meetings with other seed analysts in the Pacific Northwest. In January, I attended both the Oregon Seed Association meeting and the ASTA Vegetable and Flower Seed meeting.

In my role as chair of the Communications and Publications Committee I worked to produce SOPs to submit to the Document Control committee on chair duties and activities. The committee also produced the Annual Meeting Proceedings for the meeting in Saskatoon and two issues of The Seed Technologist Newsletter in 2023-2024. This year I also had the opportunity to work with some of our affiliate organizations, including AOSCA, ISTA, and ASTA to obtain updates from these organizations for our Newsletter.

In my duties as co-chair of the Referee committee I have helped to advise our referee organizers and worked with the committee to develop an updated set of guidelines for referee projects and method validation projects, as well as SOPs on chair duties which has been submitted to the Document Control Committee. As co-chair of the Referee committee I also served as an ex-officio member of the Rules Committee and reviewed the rule proposals for 2024.

As Vice President this was also my first year participating on the Consolidated Exam committee. I helped the committee to review and approve SCST applicants for the exam. We had a lot of applicants this year, and I'm excited to see so many people working toward the exam. Just the process of preparing for the exam is an enormous undertaking. In this room there are hundreds of years of experience, and we are here to help. We're all seed nerds, and if folks who have been around for a long time seem intimidating it's only because we are so excited to share what we know with someone who wants to hear it.

I want to encourage everyone who is new to this organization to keep showing up to meetings and to get involved. What I have found is that everyone who shows up gets out of the organization what they put into it and your input is invaluable to the future of our organization.



Analyzeseeds.com

Respectfully submitted,

Quinn Gillespie.

SCST PRESIDENT, MELISSA PHILLIPS

It has been a pleasure and a privilege to serve as the SCST President this past year. What a year it has been!?

I participated in society emails and meetings and reviewed the monthly financials and approved bill payments. I have attended monthly principles calls and emails.

In November I attended the Collegiate Crops Judging banquet and spoke about the importance of seed testing and how the skills learned in the competition could be a jump start to an exciting career. Don't worry, I made it sound exciting and full of adventure!

I was able to attend the American Seed Trade Association meeting in Orlando, where I attended the SALT training, and I had a chance to touch base with ISTA's President Keshavulu Kunusoth. I acknowledged our continuing desire to work together but some items we would have to be put on hold as we work through consolidation. He and ISTA are still interested in working together and harmonizing where possible.

While at the ASTA meeting I met with Sarah Wilbanks of AOSCA to discuss possible collaboration opportunities. The SCST board was invited to attend the regional meeting in Rapid City for our April board meeting. The majority of the board was not able to attend but I was able to go and see how they arrange their meetings to understand the feasibility of a future joint meeting. It looks like 2028 could be the earliest possibility. They are headed to Canada in 2027 and as much as we loved Canada, I let Sarah know, we would wait.

I gave 2 presentations at the Genetic Super Workshop in Ames in February, also attending as many planning and genetic committee meetings as possible. Balls were dropped, I want to apologize to Kalyn, I still you exam photos. And will try to get that to you soon.

I have completed 2 articles for Seed Today magazine. Let's be clear, I am not a writer. I did not embarrass us but do not think any journalism awards will be forth coming.

The portal project has been ongoing, and I would like to thank Quinn for covering these and for WSS all of their support on this initiative from an SCST standpoint, I have not been able to make all the meetings but have attended several. I see the opportunities that the new portal would give us for sustainability and growth as an organization.

The largest amount of my time of the last year has been the consolidation working group. We have met at least 15 times, starting just after last year's annual meeting. In that time, the group drafted a proposed bylaws, prepared and shared a webinar with the membership and a survey that followed. The activities from this past year and the preparation for this meeting has really been an eye opener for me of how intertwined we already are and the redundancies we must keep due to the formality of 2 organizations. I appreciate all the feedback and comments from everyone and their participation in the initiative. I may regret saying so, but please keep the input coming. I want to give huge thanks to the working group. Marjia, Brenda, Todd, James, Kathy, and Victor. Who have spent more time beyond the calls, with all the emails, comments, notes, and ideas.



Analyzeseeds.com

On a related tangent, I wanted to share my work with ISTA as initiatives such as these usually spill over to NA. I am leading an initiative from the Germination committee to clarify evaluation criteria for secondary roots for corn. This is at its beginning phases. I have also been on the working group with Roujing Wang to support the document to support implementation of advanced technologies for ISTA testing. This includes guidance on validation, and monitoring. I have also been meeting with our own advanced technologies group to see how we can leverage this document for our purposes here.

The past year has gone by extremely fast. I suspect the next will as well.

I want to thank the members for allowing me to serve as your president. I am really excited to see so many were able to attend the meeting this year.

Thank you and safe travels home.

Respectfully Submitted

Melissa Phillips

SCST President



AOSA RULES VOTING RESULTS

PROPOSAL NO.	PURPOSE	SUBMITTED BY	RESULT
1	Add PSU definition and working weights for <i>Trifolium michelianum</i> Savi, Balansa clover to the AOSA Rules for Testing Seeds. The species will only be added to AOSA Rules Volume 1 Table 2A.	Rachel Henricks, RST, Henricks Seed Lab	PASS
2	To adjust the working weights for the purity analysis of sorghum (<i>Sorghum bicolor subsp. bicolor</i>) and sorghum-sudangrass (<i>Sorghum bicolor nothosubsp. drummondii</i>) in Table 2A.	Tyann Alexander, RST, SGS	PASS
3	To clarify the minimum working sample weights for noxious weed seed and bulk examinations for kinds in Table 2A with minimum working sample weight for purity analysis but none stated for noxious weed seed and bulk examinations.	Deborah J. Lionakis Meyer and Nishit Patel, AOSA- SCST Purity Subcommittee.	PASS
4	Adding organic growing media (O) as an optional/alternative method for testing of field and garden pea (<i>Pisum sativum</i>)	Kaitlin Houghtby, RST, Bayer Crop Science	PASS
5	To clarify when the numbers of seeds found of other crop seeds and weed seeds are stated on the Report of Analysis.	Deborah J. Lionakis Meyer and Nishit Patel, AOSA- SCST Purity Subcommittee.	PASS
6	To amend species class and contaminating classification for <i>Trifolium michelianum</i> (Big-flowered) and to add the common name balansa clover in AOSA Rules Volume 3. Uniform Classification of Weed and Crop Seeds.	Rachel Henricks, RST, Henricks Seed Lab	PASS
7	To reclassify the species class of <i>Thelesperma filifolium</i> to Flower (F) and Range (R) in the AOSA Rules for Testing Seeds Volume 3, and to change the “contaminating classifications” to crop based on the usage of this genus, since it is sold as reclamation and wildflower seed in commerce.	Sarah Schulthies, UDAF Seed Lab, Terry Freeman, UDAF Seed Lab	PASS



8	To add <i>Bromus riparius</i> Rehmann × <i>B. inermis</i> Leyss., hybrid brome grass, to Volume 3.	Deborah J. Lionakis Meyer and Nishit Patel, AOSA-SCST Purity Subcommittee.	PASS
9	To correct the common names for various species of <i>Galium</i> in Volume 3 of the AOSA Rules.	Deborah J. Lionakis Meyer and Nishit Patel, AOSA-SCST Purity Subcommittee.	PASS
10	To improve the definitions of the species classifications in AOSA Rules Volume 3.	Deborah J. Lionakis Meyer and Nishit Patel, AOSA-SCST Purity Subcommittee.	PASS
11	To correct the common names for various species of <i>Phacelia</i> and <i>Plagiobothrys</i> in Volume 3 of the AOSA Rules.	Deborah J. Lionakis Meyer and Nishit Patel, AOSA-SCST Purity Subcommittee.	PASS
12	To add Asteraceae family – Flower seedlings with tall hypocotyls – ex. <i>Tagetes</i> spp. Marigold – Withdrawn by Rules Committee	Sarah Dammen, RST, SGS	N/A



FINAL VOTE TABULATION

PROPOSAL #	AOSA YES VOTES	AOSA NO VOTES	AOSA ABSTAIN	AOSA TOTAL VOTES CAST	AOSA % PASS	SCST YES VOTES	SCST NO VOTES	SCST TOTAL VOTES CAST	SCST % PASS	PASSED	SUPER-MAJORITY
1	27	0	0	27	100.0%	59	0	59	100.0%	PASS	200.00
2	27	0	0	27	100.0%	57	2	59	96.6%	PASS	196.61
3	26	1	0	27	96.3%	55	2	57	96.5%	PASS	192.79
4	24	2	1	26	92.3%	58	3	61	95.1%	PASS	187.39
5	16	9	2	25	64.0%	43	16	59	72.9%	PASS	136.88
6	23	2	2	25	92.0%	55	3	58	94.8%	PASS	186.83
7	26	0	1	26	100.0%	58	0	58	100.0%	PASS	200.00
8	26	0	1	26	100.0%	60	0	60	100.0%	PASS	200.00
9	26	0	1	26	100.0%	62	0	62	100.0%	PASS	200.00
10	26	0	1	26	100.0%	60	0	60	100.0%	PASS	200.00
11	27	0	0	27	100.0%	61	0	61	100.0%	PASS	200.00



COMMITTEE REPORTS

Committee reports published as submitted by the committee chairs or their representatives at the Joint Business Meeting of AOSA-SCST.

ADVANCED TECHNOLOGY COMMITTEE

June 6, 2024

The Advanced Technical Committee is working on developing a Guide for advanced technology applications. The committee members are observers in the ISTA guide development working group. The committee will review the guide draft and revise it to fit the members' needs of AOSA/SCST. The next step is that the committee will make it available to consult pilot users, members, or labs and publish it in 2025.

The committee also had a virtual webinar (1.5 hours) on May 30, 2024, to introduce the principle of the guide, and pilot user experience from three organizations. The webinar is well attended and well received.

Respectfully submitted by

Brent Reschly and Ruoqing Wang

COMMUNICATIONS AND PUBLICATIONS

June 6, 2024

The Communications and Publications committee met Monday, June 3, 2024, in Rapid City, SD. The Communications and Publications Committee welcomed a new AOSA Chair this year, Kathryn McGinnis from USDA. She is a very effective and skilled editor, and it is a pleasure to have her co-chairing this committee. During the meeting the committee reviewed feedback on the issues of the Newsletter published during the previous year. Overall feedback was very positive, and many people submitted ideas and suggestions.

The Communications committee was also able to establish improved contact with other seed organizations and the spring issue of the Newsletter included updates from ASTA, AOSCA, and ISTA. We hope to continue this practice in the future to improve our visibility and connection with the broader circle of the seed industry. The SCST chair, Quinn Gillespie, also met virtually with the ASTA communications committee and in person at the Vegetable and Flower seed meeting in Monterrey, CA in January of 2024.

The committee also discussed upcoming and ongoing projects. The most immediate upcoming project being the Annual Meeting Proceedings. For chairs and those submitting committee reports on behalf of committee chairs, at the Joint Business Meeting, AOSA Business Meeting, and SCST Business Meeting these reports must be submitted to the Communications and Publications committee by July 12 for publication in the annual meeting proceedings.



Analyzeseeds.com

For articles, photos, and studies to be published in the Newsletter, the fall deadline is October 31, and March 31 for the spring issue. Those present discussed ideas for upcoming articles, including continuing updates from committees throughout the year. The committee meeting also included a presentation of an index of the historical articles and research published in AOSA and SCST Proceedings and in the Newsletters produced by the Association and Society. At the time of the committee meeting over 5,500 lines from the AOSA Index of the Proceedings and AOSA Index of The Newsletter have been completed. The eventual Index is designed to encompass research and information relevant to the organization organized both by subject matter and by current botanical name to allow members to reference previous work done by the Association and Society. This will be an ongoing project and those interested are encouraged to contact the committee chairs. The committee will be reaching out to those who have scanned SCST documents so that those can also be included in the Comprehensive Index. We look forward to having some of our newer members get involved.

Respectfully submitted,

Quinn Gillespie, Kathryn McGinnis

CONTINUING EDUCATION COMMITTEE

AOSA/SCST Continuing Education Committee Report

June 6, 2024

The Continuing Education subcommittee met at the AOSA/SCST Annual Meeting on Tuesday, June 6, 2024, in Rapid City, SD.

We reviewed the basics of how to obtain continuing education points and what events were offered over the last three years. It was emphasized it is the responsibility of the analyst to notify the co-chairs of any points earned.

There was discussion on how to become a mentor and clarification of points earned during the annual meeting. It was noted that attendance at the business meeting is required to earn those annual meeting points.

Over the last year, we have approved points for eight (8) workshops.

Respectfully submitted,

Leanna Leach and Kathy Mathiason

DOCUMENT CONTROL – FORMERLY LAB STANDARDS AND DOCUMENTATION

June 6, 2024

The Laboratory Standards and Documentation Committee met on June 3rd at 9am. The main project this committee has been working on is building a document control system for the committees. The topics covered included:

- What is document control, and how will it be applied to the committees



Analyzeseeds.com

- Where can information be moved from the bylaws to the SOPs
- Review of existing SOPs already submitted
- How to use the SOP template
- Practice writing an SOP for the Bylaws committee

We will also be working on general SOPs that apply to all committees, such as how to submit a committee report at the annual meeting.

Respectfully submitted,

Todd Erickson and Angie Rutt

EXAMINATION COMMITTEES

Consolidated Exam Committee Report

June 6, 2024

The Consolidated Exam Committee met virtually on May 29, 2024.

AOSA and SCST both welcomed new members:

Laura Clift - Corteva

Kaitlin Houghtby - Bayer

Jessica McVay - Indiana State Seed Lab

During the meeting we reviewed the recent survey of the exam candidates that took the exam. The committee included one version for those doing a reevaluation and those taking it for the first time.

Formatting the online exam is taking more time than we expected; we hope to have this available for use in 2025.

For our year in review, in August 2023 there were a total of 15 candidates taking the exam from both organizations, the following are the results: 1 CSA-G and 8 CVT's.

This spring (2024) we had 17 candidates that took the exam in Ames, Iowa. Grading is complete and candidates were notified of results. 3 AOSA members were awarded certification: 2 CSA-G, 1 candidate went from CSA-G to CSA; 11 SCST members were awarded certification: 6 CVT and 5 analysts went from CVT to RST. We will be hosting another exam in August at the conclusion of the Federal Seed School in Gastonia, NC with additional locations in Ames, Iowa and Yakima, Washington on August 15/16.

Discussions also took place on editing the exam application, the process of updating the study guide, and the creation of the SOP's related to exam processes.

Respectively Submitted,

Sarah Graybill and Leanne Duncan



SCST RGT Board of Examiners Report
June 6, 2024

Our RGT BOE met Monday, June 3rd to discuss the following topics:

1. Discussed practical exam current supplies and future needs. Due to a lack of seed sourcing for the Herbicide Bioassay practical exam, a virtual exam is being developed, and we hope to have it finished by August. All other practical sets have retained their integrity.
2. The need and challenges of recruiting new candidates for the RGT exam. We have decided not to increase the exam fee and instead, to focus on outreach, education, and participation with the Genetic Technology committee.
3. We discussed the need to include SNP's as a testable technology as well as the need to add new herbicides to the exams and study materials.
4. The need to rewrite the exams. We will begin on this over the next year, one exam at a time. The last time the exams were updated was 2018.
5. Document review. We need to make sure our applications and requirements are clear and included on our webpage as well as making sure the RGT Study Guide is complete and clear.
6. The next exam date and location. We plan on having the second exam held in Brookings, SD in January at this point in time. We will update our membership and our webpage when details are confirmed.
7. Creation of a list of topics and suggestions to include on the study guide to give to the Genetic Technology committee
8. The availability of continuing education points as it relates to the exam and the potential for BOE-guided study plans in lieu of the entirety of CE points. We will be exploring the C&B towards this pursuit.
9. One written exam was taken and graded this meeting.

I would like to thank the following RGT Board of Examiners Committee for volunteering their time and services.

Molly Richeson - AgReliant Genetics

Kalyn Brix – SoDak Labs

Erin Murphy-Untz - Eurofins BioDiagnostics

Amanda Ver Helst - SGS-North America – Brookings

Kathy Mathiason – SDSU

Brad Johnson – Bayer

Zach Duray – Illinois Crop Improvement

Respectfully submitted,

Molly Richeson

RGT BOE Chair



GENETIC TECHNOLOGY COMMITTEE

June 6, 2024

The Genetic Technology committee met on Monday, June 3rd. The group reviewed the duties of the committee, the progress we've made over the last year, and planned out our goals for the year ahead. We reviewed the results of our proficiency test for this past year and the outcome of the very successful 2024 Genetics Superworkshop held at Iowa State University in February. We passed around a sign up sheet for upcoming projects and collected several commitments from our members in doing so.

Goals were created for each subcommittee with a requirement that one goal from each subcommittee be fulfilled before the next annual meeting. The Lab Standards goals included the creation of a presenter's guide for the Genetics Superworkshops held biannually and a new member welcome packet to better outline what the committee is and what one can expect from committee membership.

The Education subcommittee goals included webinar production over the most missed topics on the RGT exam as well as the annual proficiency test. The most labor-intensive project will be updating the RGT/CGT Study Guide, an update we feel is long overdue.

The Research subcommittee gave an update on the creation of a virtual Herbicide Bioassay practical exam, a problem that has evolved from the committee being unable to source seed for our practical. Kalyn gave a review of the progress of this initiative and anticipates being able to complete it by this August. Other goals include having a workshop brainstorming session as well as a research study proposal brainstorming session once the virtual exam is completed.

The Newsletter subcommittee goals include articles on most missed RGT exam topics, an update on the devitalization by freezing study, a review of the genetics proficiency test, meeting minutes every month, and study material provided for each newsletter. We also hope to post these study articles and proficiency tests on our webpage for candidates looking for practice and guidance.

We discussed the need to keep up to date on newer technologies, including SNP's and newer herbicides that are currently not being taught in our workshops or covered on our exams. These concerns will be fleshed out further with our monthly meetings.

We held a joint meeting with Cultivar Purity this year to discuss the potential for the merge of the two committees after consolidation. We feel there is enough overlap to do so within our groups and will discuss the structure and name of the new committee once consolidation approaches further.

We also put out a call for new members in Genetic Technology, those studying for their exams, those who are just interested in the subject material, and those who just want to help. We welcome our new members who have already answered that call and who will do so in the future. You are valuable, and we are ready to show that we see that and are excited to see what you are capable of.

Respectfully Submitted,

Molly Richeson & Kalyn Brix, Genetic technology co-chairs



HANDBOOK COMMITTEE

June 6, 2024

The Handbook committee met Monday, June 3, 2024.

Committee chairs Vic Vankus (AOSA) and Diandra Viner (SCST), reviewed committee purpose and processes to review existing and develop new handbooks.

Over the past year the committee:

Updated to both the Report of Analysis and Cultivar Purity Handbooks. Both are available on the website.

Worked with the Purity committee to post handbook updates at the Purity committee webpage. Those and any subsequent updates will be incorporated into the next Purity handbook update in a few years.

The committee received the TZ handbook from that committee in late 2023. Work to edit and format that handbook is now complete. The TZ handbook will be available on the website in July.

An SOP was written with direction for the chairs, procedures for managing the committee, and steps for editing and formatting handbooks.

Action Items for 2024-25:

Updating the Report of Analysis Handbook to incorporate changes to the Rules following the 2024 annual meeting.

Continue working on and finalize the committee SOP.

Develop a presentation for training committee members on the handbook editing and formatting process.

Committee will contact the Statistics committee to ask about developing a Handbook on Tolerances.

Respectfully Submitted, Diandra Viner, SCST Co-chair, Victor Vankus, AOSA Co-chair

HISTORIAN/NECROLOGY COMMITTEES – AOSA AND SCST

AOSA Historian/Necrology Committee Report

June 6, 2024

AOSA would like to remember Michael L. Simpson.

Michael Lynn Simpson, 62, of Pawnee, Illinois, passed away Friday, May 3, 2024, in Springfield. He was born Aug. 27, 1961, in Springfield, the son of Harry R. and Margaret L. Wright Simpson Jr. He married Rochelle “Shelley” I. Freitag on March 1, 2024, in Springfield. Michael was preceded in death by his parents and grandparents.

Michael graduated from Pawnee High School in 1979. He worked as a seed analyst at the Illinois Department of Agriculture for more than 30 years. Agriculture was an important part of Michael’s life,



Analyzeseeds.com

and he also worked for Boarman Brothers in Pawnee for 29 years. He loved spending time at the lake and was an avid fisherman. Additionally, he was a sports fan, rooting for the Atlanta Braves baseball team and the Florida State Seminoles football team.

He is survived by his wife, Shelley Simpson, of Springfield; one son, Travis M. (wife, Megan) Simpson, of Pawnee; one daughter, Amanda M. (husband, Dominic) Clouser, of Rochester; four grandchildren, Braxton and Tucker Simpson and Renzo and Aria Clouser; one brother, Ed Simpson, of Pawnee; one uncle, Tom (wife, Mona) Simpson, of Pawnee; and several nieces, nephews and cousins.

Memorial contributions may be made to the Pawnee Sports Boosters, P.O. Box 196, Pawnee, IL 62558.

Curry Funeral Home in Pawnee is serving the family of Michael Simpson. Online condolences may be expressed at www.curryfh.com.

SCST Historian/Necrology Committee Report
June 6, 2024

SCST would like to remember Reginald “Denny” Hall

Denny Hall passed away after a 2-year battle with cancer. He was at his home in Powell Wyoming with his wife Jackie and sister Patty Mayfield by his side.

He was born on December 1, 1953, to Donna and Denny Hall in Morgantown, West Virginia. He graduated from Morgantown high school in 1971. He was active in FFA and attended the National Convention in Kansas City as part of a dairy judging team. He attended Glenville College in West Virginia, receiving an associate degree. After working as an extension agent, he returned to the University of West Virginia. He received a degree in Animal Science. He worked 2 years as a Conservation Officer before attending Montana State University where he received a Master’s in Agronomy in 1988.

After graduation Denny worked at the Plant Material Center in Bridger, Montana. He then was employed by the University of Wyoming as the Seed Certification Director. He encouraged the University to move the service from Sheridan to Powell where the majority of the seed crops were grown. In 2000 he returned to Bozman, Montana to train as a Seed Analyst. He returned to the new Seed Lab in Powell as assistant analyst eventually becoming the Director.

He worked hard to develop good working relations with legislators, growers and the Department of Agriculture, all of whom were instrumental in bringing the State Seed Lab to Powell. During his years at the lab, he served on the AOSA RST Exam Committee Review Board and the Native Seed Committee. He was especially proud of this group as they developed testing standards for native species that insured uniform procedures nationwide. During his tenure he developed a reputation as the “go to lab” when testing native species for the BLM and Reclamation companies.

Denny was an avid fisherman and gardener. He loved to observe wildlife with his spotting scope. At one point in his life he took up photography and briefly played electric bass in a band. He continued to love music especially bluegrass and traditional western performers. He grew up in the Goshen Baptist Church in Morgantown and attended the First United Methodist Church in Powell. He served as an usher for services and funerals as well serving as a trustee and head of the council.



Analyzeseeds.com

Denny is survived by his wife Jackie of 35 years, as well as his sister Patty Mayfield (Gary), nieces Crystal Frankenberry (Bryan), Wendy Barker, Stacy Logan, Heather Faxon (Paul), great-nephews including Jake and Zeke Frankenberry, Noah Faxon, Mitch Mayfield, Greg and Trey Randolph and great-niece Raven Moore (Clayton).

Denny is preceded in death by his parents, Donna and Denny Hall, his brother Butch, nephew Jeff Mayfield and nephew-in-law Vince Barker.

A service was held on July 19, 2023 at the First United Methodist Church in Powell. Memorials may be sent to the church at PO Box 778, Powell, Wy 82435

To send flowers to the family in memory of Reginald Denny Hall Jr., please visit our [flower store](#).

SCST would like to remember Vicky Calderon

Vicky was born in Nampa, Idaho on March 3, 1945, to Andrew F. Voigt and Goldie Peterson Voigt. She was raised on a farm East of Nampa and attended country schools until they were consolidated with the Kuna schools. Upon graduating from Kuna High School in 1962, she continued on and attended Kinman Business College in Spokane, Washington. There, she graduated in 1963 with a secretary degree. In 1964 she went to work at Northrup King Seed Company in Nampa. She met and married Earl E Wright in 1964. They later divorced. She then married Richard G Caldon, December 26, 1970. Vicky trained to be an in-house seed analyst and took the Registered Seed Technologist test in 1977. She worked in Boise for Northrup King and the Idaho State Seed Lab. Then she transferred to Oregon to work for Roberts Seed Company in Tangent.

In 1995, she opened and operated her own seed lab in Halsey, Oregon until Richard passed away in 2000. The next few years she was a rover between Nampa and Richland, Washington – only to finally settle back in Nampa permanently. She is preceded in death by her parents; her husband, Richard Caldon; and her siblings (Carl, Leo, Jerry, Thelma, Helen & Frankie). She is survived by sister-in-law, Phillis Voigt of Fruitland ID; brother-in-law, Carl Drapeau of Springfield OR; several nieces and nephews; longtime friends, Claretta Evans & family and Rosalind Borchert & family.

It was Vicky's wish that no services be held.

To [send flowers](#) to the family or plant a tree in memory of Vicky A (Voigt) Caldon, please visit the [Nampa Funeral Home](#) floral store.

INTERNATIONAL COMMITTEE

June 6, 2024

The committee chair requested no meeting space at the annual meeting. No report given during the Joint Business Meeting.



LEGISLATIVE COMMITTEE

June 6, 2024

No report given at the Joint Business Meeting.

LIAISON/AFFILIATES COMMITTEE

AOSA Liaison, SCST Affiliates Committee Report

June 6, 2024

The Liaison Committee met June 3, 2024, from 12:30pm to 1:30pm. Those in attendance included James Smith (AASCO), Melissa Philips and Quinn Gillespie (SCST), Todd Erikson (USDA), James Smith and Johnny Zook (AOSA), and Jess Peterson (WSS).

Due to weather conditions and flight cancellations, we had a smaller group than normal, but we forged ahead, and we had a time of open discussion on several topics, with the largest amount of time being spend on the efforts of AOSA and SCST to consolidate into one organization.

USDA expressed support for the efforts to consolidate and reiterated the need for a regulatory-only contact within the new organization. The USDA is satisfied that the current proposed by-laws for AOSA-SCST (consolidated organization), with the listing of the Regulatory Committee, meets this need.

AASCO expressed the current version of the proposed by-laws for AOSA-SCST was acceptable. SCST had concerns about general administrative voting in AOSA-SCST on general business and wanted to know the expectations of those present. All agree the general voting, for the administration of AOSA-SCST, should follow a standard voting of members requiring two-thirds majority vote.

It was noted that ASTA has sent a notably positive letter of support for a consolidated organization.

The discussion came to a close considering ways to strengthen AOSA's and SCST's contact with the USDA Seed Liaison.

Respectfully Submitted
Johnny Zook
AOSA President

PROFICIENCY TESTING COMMITTEE

AOSA/SCST Proficiency Testing Committee Report

June 6, 2024

We thank Heidi Jo Larson for her 14 years of service as SCST Chair/Co-Chair of this committee and introduce Heidi Arneson as her successor.



Analyzeseeds.com

The three proficiency tests from the previous year were Non-Mechanical Seed Count, Sample Processes, and Coated, Encrusted and Pelleted Seed. We discussed some clarification and uniformity issues that came up as a result, as well as steps to address them whether they be suggestions for webinars to the Teaching and Training Committee or clarifications in the Rules through proposals (one is already being voted on at this meeting).

The three-year plan of future proficiency tests was laid out, which will include an Application of Tolerances written exercise that will be sent within the next few weeks, and a hands-on purity/germ small-seeded legume later in the year.

There was a quick review of participation from each membership body of last year's tests and a reminder of the participation requirements for each AOSA and SCST membership. AOSA requirements can be found in Article VII of the AOSA Bylaws, and SCST requirements are given in Section 4 of the SCST Bylaws.

Respectfully submitted,

Heidi Arneson with Jeanna Mueller and Heidi Jo Larson

REFEREE COMMITTEE

June 6, 2024

The Referee Committee met in a closed session on May 30, 2024 to plan the order of presentations and review the final schedule for the Referee Presentation session at the Annual Meeting. During the closed session it was decided that the committee should shift away from a regional structure in favor of a less specific structure to allow improved collaboration between labs and regions on future studies. As this requires a change to the AOSA bylaws, the AOSA chair, Chi Trinh from USDA will work with other AOSA members of the committee to draft this bylaw change proposal during the coming year.

The Referee Presentation session was held on June 6, 2024. There were five completed projects presented. Marija Topic from Crookham Seeds presented a uniformity study on corn germination and an in-house vigor index study. Tyann Alexander presented her data in support of a rule proposal to change the working weights for sorghum and sorghum-sudangrass. Kaitlin Korn presented supporting data for the rule proposal to add organic growing media as an initial method for pea germination. Dr. Ruoqing Wang presented the CFIA study comparing germination methods for Kentucky bluegrass in the Canada M&P, AOSA Rules, and ISTA Rules.

The Referee Presentation session also included information on two upcoming referees. Nicolette Hard presented information and some preliminary studies on basil germination on top of paper compared to between paper or rolled towels. This study will be conducted during the 2024-2025 year. Those who are interested should contact Nicolette if they are interested in participating. On behalf of the Purity and Statistics Subcommittees, Quinn Gillespie presented information on conducting trials to establish tolerances for mechanical seed counts. This will be a lengthy project involving many species. Analysts who are interested in participating and contributing information should contact the Purity Subcommittee and Statistics Subcommittee chairs.

The referee committee would like to thank everyone who organized or participated in referees this year.



Analyzeseeds.com
Respectfully submitted,

Quinn Gillespie, Lan Chi Trinh

RESEARCH COMMITTEE

June 6, 2024

SABRY ELIAS AND EUNSOO CHOE, CHAIRS

Mission Statement

Promote research and development to improve seed testing methods and achieve better uniform, accurate, and efficient results, and respond to the emerging needs of the seed industry.

Function

Help members of the AOSA/SCST in conducting research studies, referees, and rule change proposals through the chairs of the research subcommittees, germination, purity, TZ, statistics, etc. This is to ensure sound research, statistical analysis, and conclusions. We also encourage conducting workshops and webinars to improve the professional skills of our analysts.

Research is the gateway for innovations, adopting new technologies, and acquiring knowledge in subjects related to seed testing.

Research Subcommittees

The research committee includes the following subcommittees:

Seed Purity, Germination and Dormancy, Tetrazolium Testing, Seed Vigor Testing,

Cultivar Purity, Statistics, Flower Seed, Conservation & Reclamation-Tree/Shrub,

Seed Moisture Testing, Lab standards and documentation, Handbook, and *Seed Pathology (as needed)*.

Please, find the emails of the subcommittee chairs on the AOSA/SCST website.

2024 Research Committee Meeting:

The subcommittee chairs who attended the meeting shared the activities of their committees on Wednesday, June 5, 2024, 12:30–1:45 pm.

- Tim Gutormson provided an update on the Seed Testing Research Foundation (STRF) activities. He reported the funding expansion of two endowments: 1) Newlin: Basic Seed Research Endowment (\$280,000, Birch investment); and 2) Wiesner: Seed Technology Endowment (\$123,347, Wells Fargo investment).
- He reported that some research proposals were funded in previous years. Thanks to STRF for providing financial incentives for research to our associations.
- This year, the Res. Committee organized a “Research Paper Session” on Monday, June 3, 2024, 4:30-5:30 pm. Three papers were presented:



Analyzeseeds.com

1. Application of Multi-spectral Imaging and Machine Deep Learning for Weed or Crop Seeds Analysis. Ruoqing Wang, Rafizul Haque, Amir Ardalan Kalantari Dehaghi, Liang Zhao, Tony Kaekang Lee, and Nouredine Meraihi.
 2. Embryonic pathogen in sugar beet seed and impact on seedling development and stand establishment. Mark Anfinrud.
 3. Analysis of soybean seedling development after mechanical damage at the embryonic axis. Eunsoo Choe.
- We will publish the reports of the research session papers in the Seed Technologists Newsletter until we revive Seed Technology.
 - In March 2023, the Committee offered a webinar on how to conduct a successful research study.
 - If any member needs help in designing studies or analyzing data, please contact the research and statistics team; riad.baalbaki@cdfa.ca.gov, karen.richard@bayer.com, sabry.elias@oregonstate.edu, and Eunsoo Choe <echoe@ilcrop.com>.
 - Members of the AOSA/SCST are welcome to send us any suggestions.

Respectfully submitted,

Eunsoo Choe and Sabry Elias

RESOLUTIONS COMMITTEE

June 6, 2024

Whereas: the 113th AOSA and 100th SCST annual meetings were held June 1st through June 6th, 2024, at the Holiday Inn Rapid City Downtown in Rapid City, South Dakota and

Whereas: the planning committee of Kelly Fogarty from Western Skies Strategies, Kathy Mathiason, Tim Gutormson, Jeanna Mueller, Lynn Robinson, Tyann Alexander, and Brent Reschly, developed an excellent meeting agenda; and

Whereas: an excellent array of referees, research, and posters were presented; and

Whereas: Western Skies Strategies, and other volunteers completely supported the functions of the meeting including audio-visual equipment, agenda development, and facility arrangements; and

Whereas: the information, accommodations and services were greatly appreciated by all attendees;

Therefore Be It Resolved: that the members of the Association of Official Seed Analysts, and the members of the Society of Commercial Seed Technologists and their respective boards; and the delegates and other attendees hereby agree that these meetings were very successful, and that seed analytical work was advanced through the execution of training and planning for the future at this event; and;

Be it Further Resolved: that the members of AOSA and SCST express their appreciation and sincere thanks to all committee chairs and all those who took time from their routine responsibilities to provide leadership and skills to our deliberations at this meeting; and;



Analyzeseeds.com

Be It Further Resolved: that all in attendance express their appreciation to the following exhibitors: Tagarno, Kubtec Scientific, Anchor Paper Company, SoDak Labs, and the USDA Agricultural Marketing Service and;

Be It Further Resolved: that the association's presidents shall send an appropriate letter of gratitude to those individuals and organizations that provided donations and/or financial support that made this year's meeting such a pleasurable and productive event. Our gratitude is expressed to the following sponsors:

AgReliant Genetics, Bayer Crop Science, Hoffman Manufacturing, Nebraska Crop Improvement Association, SoDak Labs Seed Academy, USDA Agricultural Marketing Service, and Visit Rapid City.

Be It resolved this June 6, 2024.

Respectfully submitted,

Kathy Mathiason

RULES COMMITTEE

June 6, 2024

The Rules Committee held a virtual open rules discussion on May 7th, 2024, followed by an in person discussion at the annual meeting. 12 proposals were submitted; 1 was withdrawn due to lack of evidence. Voting took place on June 6th via paper ballot. All 11 proposals passed. The committee has recently added 2 new members: Dr. Lei Ren from CFIA and Emi Kuroiwa from the CA lab.

Respectfully submitted,
Todd Erickson

TEACHING AND TRAINING COMMITTEE

June 6, 2024

The Teaching and Training Committee had a time slot on Monday June 3 from 1:30-3:30 pm. which was used as a training session by the AOSA/SCST/ISMA Digital Reference project. The committee has been meeting through emails and phone calls but plans to meet in August to re-connect. We have been answering questions as they arise about study material and mentoring programs. This T&T committee will be working with the joint Exam Committee to produce guidelines for mentors and trainers to follow as they work with perspective exam applicants.

If there is anyone interested in participating on this committee, please reach out to Angie Croft or Anitra Walker. Both co-Chairs missed seeing everyone at the meeting this year!

Respectfully Submitted,

Angie Croft and Anitra Walker



RESEARCH SUBCOMMITTEE REPORTS

Research subcommittee reports are published as submitted by the subcommittee chairs at the Joint Business Meeting of AOSA-SCST. These technical committees focus on specific topics in seed testing which may be centered around specialized testing methods or crop kinds which require special attention.

CONSERVATION, RECLAMATION, TREE AND SHRUB SUBCOMMITTEE

June 6, 2024

The Conservation, Reclamation, Tree and Shrub subcommittee met June 3rd.

Gil Waibel gave an update on the ISTA Native Species Working Group website and asked CRTS members to share data and test methods for native species. When the ISTA working group website is live, AOSA/SCST members will be able to submit information online.

Vic Vankus gave an update on the work of the ISTA Forest Tree and Shrub seed committee. That committee is developing an open website to share ISTA rules and other protocols, for testing and storing tree seed.

Randy Crowl led discussion on developing tolerance tables for native species. This idea was presented during the recent Purity committee meeting by Sabry Elias. The CRTS committee agreed to follow up with Sabry and ask that potential tolerance tables consider the character of the sample vs. crop type.

Randy led discussion on the current state of the native seed market and the BLM requirement that testing labs be USDA ASL accredited to test seed samples for the agency. The CRTS and USDA are available to assist labs if they decide to pursue USDA accreditation.

Tia Tyler, USDA Forest Service, National Seed Laboratory, agreed to serve as the AOSA co-chair.

Action items discussed for the next year included:

- Surveys to request information from AOSA/SCST labs on the number of samples, species, and challenges with testing seed of trees, shrubs, and natives.

- Continuation of seed counts for 100+ species the committee already has some data on.

- Development of virtual training sessions with the TZ committee on testing native species by TZ.

- Ring tests with AOSA/SCST, public agency, and commercial forest industry labs testing tree seed.

- Attendance at the National Native Seed Conference, February 2025 in Tucson, AZ, to share information on sampling and testing of native seed and the role of AOSA/SCST.

Respectfully Submitted,

Randy Crowl
SCST Co-Chair



CULTIVAR PURITY SUBCOMMITTEE

June 6, 2024

The Cultivar Purity sub-committee met in conjunction with the Genetic Technology Committee on June 3rd, 2024 at 8 AM. We discussed the Cultivar Purity Handbook, recent edits and history as well as the purpose and goals of the committee. A 2023 version of the handbook was released and a correction/additional in May of 2024. The last topic was to discuss a potential committee merger with the genetic technology committee to which there was no verbal opposition at this time. The two may move forward with some joint efforts in the coming year.

Respectfully Submitted,

Diandra Viner, Cultivar Purity Sub-Committee chair.

FLOWER SEED SUBCOMMITTEE

June 6, 2024

The Flower Seed Subcommittee met Monday June 3rd at 8am. We discussed our activity over the past year, which included submitting our committee SOP and comparing the germination procedures and purity weights for flower seeds in the AOSA and ISTA Rules. We received some volunteers to help with seed counts, and we will continue to identify flower species that could be targeted for germination referees.

Respectfully submitted,

Kathy Mathiason and Sarah Dammen

GERMINATION AND DORMANCY SUBCOMMITTEE

June 6, 2024

The Germination and Dormancy Subcommittee held its meeting on June 4, 2024. The following issues were discussed:

1. Current Rules Proposals

Two Rules Change proposals related to germination were discussed:

- Proposal 4: Adding organic growing media (O) as an optional/alternative method for testing of field and garden pea (*Pisum sativum*). The proposal's author discussed the proposal's objectives, supporting evidence, and the resultant change in the rules if adopted. There was no objection from committee members to this proposal.
- Proposal 12: To add Asteraceae family – Flower seedlings with tall hypocotyls – ex. *Tagetes* spp. Marigold. The co-chairs expressed their concerns regarding the lack of supporting evidence to justify the needed changes, as well as the rationale for listing several species in a separate new section with no



apparent differentiation in evaluation other than main root assessment. Concerns were also expressed concerning the fact that the focus of the new section would be on marigold evaluation, with no discussion of other listed species. It was decided to table this proposal until the authors had a chance to provide a more comprehensive supporting evidence and revise the proposal.

2. Difficulties in evaluating fava beans using recommended substrates

- Possible problems preventing successful germination testing of faba beans using official substrates were raised. It was decided to organize a referee test, comparing currently accepted substrates to sand and other media, to evaluate the possibility of revising germination standards for that species.

3. Progress Report and Issues Revealed by the Seedling Evaluation Surveys

Updates and progress on the Seedling Evaluation Surveys was shared with committee members. An expected total of 12 surveys, five of which have been completed, is planned, and results will be used as guidelines in developing the Seedling Evaluation Database. Survey results will also lead to several Rules Change proposals to improve the uniformity in germination seed testing. Some of the issues revealed by the surveys include:

- Lack of clarity in identifying, evaluating, and correctly classifying seedling geotropic responses.
- Lack of uniformity among analysts in evaluating splits in coleoptiles.
- Erroneous evaluation of naturally occurring seedling pigmentation.
- Lack of uniformity in evaluating detached coleoptiles.

4. The Seedling Evaluation Database – Update and Progress Report

A live presentation of the Seedling Images Databases was presented to members for the first time. Demonstrations included an overview on how to use the database using general and specific/focused search criteria. The demonstration emphasized the database's potential uses for both evaluation and training purposes. When completed, this database would include 5,000-10,000 seedling images with detailed evaluation notes, covering all species listed in Volume 4 of the Rules.

Respectfully submitted,

David Johnston, Co-Chair

Riad Baalbaki, Co-Chair

June 6, 2024



PURITY SUBCOMMITTEE

June 6, 2024

On Thursday 5/30 at 9am mountain time the Purity Analysis Subcommittee met via Zoom call for about two hours and covered a wide variety of topics. We discussed the request from the Lab Standards and Documentation Committee for our Subcommittee to develop SOPs that describe the committee's functions. A draft of the Subcommittee's structure, general duties, and meeting formats is under review, and other SOPs will be developed as needed.

This year there are 10 AOSA Rules change proposals related to purity analysis, of which six proposals came directly from the Subcommittee and the remaining four were reviewed by the Subcommittee Co-chairs prior to submission to the Rules Committee. There were several new items that were added to the Purity Analysis Subcommittee webpage that includes updates to the Purity Testing available for free download, seed identification guides, special purity tolerance calculator, and purity, and noxious weed seed and bulk exam minimum working sample weights calculator.

The committee is looking for volunteers on various projects that include review of purity testing rules, Volume 3 issues, harmonizing working weights with ISTA, and seed herbarium guidelines to name a few. It has been pointed out to the Subcommittee that some RST/CSA exam takers, as well as some proficiency testing participants are not weighing components of a purity analysis to the correct number decimal places. The Subcommittee will be preparing a rule proposal to clarify the proper number of decimal places already required in the AOSA Rules.

There were also questions on the application of tolerances in Table 14G, which was reviewed during the Subcommittee meeting. Some subcommittee members have expressed concerns with the PSU definitions for Sphaeralcea (globemallow) and Aeschynomene americana (American jointvetch) and possible solutions were brought forward for potential rule change proposals.

We discussed problems with the procedure for calculating the working sample weights of mixtures that had significant seed size differences among the labeled components, and possible solutions. We are looking for potential replacements for the Turbo Meter #271 anemometer used for calibration monitoring of the General blower as it appears this model is no longer being produced.

Sabry Elias presented proposed purity tolerances for wild collected (non-domesticated) and minimally processed native seed and the process needed to expand the tolerance table for mechanical seed counts to include kinds other than soybean, field bean, wheat, and corn.

On June 3 an in person meeting was held at the AOSA/SCST Annual Meeting. Quinn Gillespie introduced her rule proposal for waxy mannagrass that will be put forth next year. Off-type cultivar testing methods in Sec. 5.2 of the AOSA Rules was discussed, and in particular and the oat fluorescence test of oat floret, finding that although a limited number of labs do this type of testing that for the sake of uniformity among labs there needs to be more detailed procedural instructions in the Rules and the Cultivar Purity Handbook on how to go about doing these specific tests, how to report the test results, and seeds that need to be used for the germination test.

The ISTA rule change proposals that harmonize with the AOSA Rules and ones that don't were discussed with Ruoqing Wang, Chair of the ISTA Purity Committee, providing information about these proposals. There was also a discussion on testing seed lots that are very expensive or of very small size and potential



Analyzeseeds.com

to harmonize with the ISTA Rules Reduced Test for Determination of Other Species by Number. We have also received a request from the AOSA and SCST Executive Boards to work towards harmonization of working sample weights with ISTA. We have a request for guidelines on how to set up and curate a seed herbarium and are looking for volunteers to help with this endeavor. Finally, we are exploring the need for seed workshops on more advanced topics that goes beyond what is covered for RST/CSA exam prep at Iowa State Seed Science Center and the Federal Seed lab.

Respectfully submitted

Nish Patel, AOSA Chair

Deborah Meyer, SCST Chair

SEED MOISTURE SUBCOMMITTEE

June 6, 2024

VIRTUAL BY ZOOM

Tuesday May 28 at 10:00 -11:00 am Pacific Time

SABRY ELIAS, CHAIR

- The Chair welcomed the attendees.
- Sabry provided review of some processes in moisture testing. The PP presentation covered the following topics, which are included in the 2nd version of the ‘Seed Moisture Determination: Principles and Procedures’ Handbook (2018):
 - ✓ Calibrating air-ovens for temperature uniformity.
 - ✓ When to retest moisture samples.
 - ✓ Procedure of determining moisture content for species that are not included in Table 5 of the Handbook.
 - ✓ The use of screens for coarse and fine seed grinding. How to calibrate seed grinders?
 - ✓ Determination of the size of containers used in drying seeds in relation to sample size.
 - ✓ Suggested data sheet to collect seed moisture results.
 - ✓ Eliminating the pre-drying requirements for seeds with high moisture content based on a study conducted by the Moisture Handbook Authors.
- The chair asked for volunteers from AOSA and SCST to step up and replace the current chair. None of the attendees was interested. Please, email sabry.elias@oregonstate.edu, if you are interested and willing to serve in this capacity.
- The chair asked the attendees to lead/participate in validating the current procedure/ parameters for species if they feel the need for that, and to add new procedure for species that are not included in Table 5 of the Moisture Handbook. The new chair can work in expanding Table 5 and validate some of the current species.



Analyzeseeds.com

- We talked about the need for conducting moisture proficiency studies for various species. The new chair can collaborate with the proficiency committee in conducting such studies.

Respectfully submitted,

Sabry G. Elias

STATISTICS SUBCOMMITTEE

June 6, 2024

VIRTUAL BY ZOOM

Tuesday May 28, 9:00 -10:00 am Pacific Time

SABRY ELIAS AND KAREN RICHARD, CHAIRS

Mission Statement

The Statistics subcommittee assists seed analysts in designing experiments and analyzing data to validate and improve seed testing methods, conduct referee, rule change proposals, and validation studies. In addition, it helps educating seed analysts in principles of statistics and tolerances through conducting workshops, webinars, and one-on-one advice.

On Sunday June 2, 2014, the statistics committee conducted ½ day statistic workshop. The 1st part was on the applications of tolerances in seed testing (Virtual by Zoom, Sabry Elias), and the 2nd part on principles of referee and research studies (in-person by Riad Baalbaki). The committee conducted a webinar in 3-20-2023 on “How to Conduct Successful Research Study”.

- The statistics committee meeting was conducted Virtually by Zoom in May 28. Sabry welcomed the attendees. 15 people attended the meeting.
- Sabry presented a PP presentation on procedure for establishing number of seeds per gram and minimum weight for purity and noxious weed examinations of new species using an Excel Calculator. The procedures of calculations was explained step by step.
- The new calculator can be found in the “Purity Committee” webpage of the AOSA/SCST website. The calculator can be used in the new rule proposals for establishing the weight for purity and noxious weed examinations of new species or for verifying the current crop weights that are already in Table 2A of the rules.
- We encourage any member in AOSA/SCST to let us know if they need help in designing studies before they start the research. Also, we can help in analyzing the data. Please, contact Karen Richard, karen.richard@bayer.com; Riad Baalbaki, riad.baalbaki@cdfa.ca.gov; or Sabry Elias, sabry.elias@oregonstate.edu for help.
- Currently, there is a revised procedure for conducting and preparing rule change proposals in the Rule committee website. It can also be used for most referee and research studies. Members are encouraged to check it before they start a new rule proposal or referee.
- Members of the AOSA/SCST are welcome to send us any suggestions or comments to the committee.

Respectfully submitted, Sabry Elias and Karen Richard



TETRAZOLIUM SUBCOMMITTEE

June 6, 2024

The tetrazolium committee met on Tuesday June 4th. The committee chairs gave an update on the ISTA TZ committee, an update on the new TZ handbook (which will be available at the earliest in July), showed a few new families that were added to the handbook, played a game of “Is it viable?”, and set future goals for the committee. The goals included hosting a workshop at next year’s annual meeting, hosting future webinars focusing on native seeds, and recruiting members to join the committee. Several people signed up following the meeting to join.

Respectfully submitted,

Elizabeth Stewart, Shaminder Miranpuri, and Michael Aberle.

VIGOR TESTING SUBCOMMITTEE

June 6, 2024

The Vigor Subcommittee held its virtual meeting on May 29, 2024.

1. Vigor research activity: Lauren Shearer presented the first-year results of an STRF-sponsored study entitled “Thermal Time use in Seed Vigor Testing.”
2. Tim Loeffler presented ISTA’s recent vigor research and standardization activities.
3. Plans to encourage labs to organize and participate in vigor referee tests were discussed. The objective is to improve vigor testing uniformity and standardization among seed testing labs. To encourage more referee studies related to vigor, available funding through STRF grants can be provided to offset the costs involved in conducting such tests.
4. Members discussed the possibility of adding a vigor testing chapter to Vol. 1 of the Seed Testing Rules. The purpose of the proposed chapter is to provide information related to principles and best practices of vigor testing. In addition to the proposed new chapter, it was agreed that encouraging vigor referee studies (discussed above) and updating the current Vigor Testing Handbook, are critical aspects in improving standardization and quality of vigor tests.

Respectfully submitted,

Laura Carlson, SCST Co-Chair

Riad Baalbaki, AOSA Co-Chair



SCST COMMITTEE REPORTS

SCST Committee Reports are published as submitted at the SCST Business meeting. Reports given here pertain to the business of the Society of Commercial Seed Technologists.

AUDIT COMMITTEE

June 6, 2024

The SCST financial audit group met on Wed. June 5. We had one question pertaining to a line item called ‘due from AOSA’. It was explained to us, and we are happy with the explanation. The rest of the budget is acceptable and is approved by the group.

Respectfully submitted,

Jason Perrault and Emily Morrison.

ETHICS COMMITTEE

June 6, 2024

2024 Ethics Committee Report

There were no Ethics issues reported in the last calendar year and no outstanding issues. The committee did not meet at the annual meeting held in Rapid City, SD. In the previous year the committee had updated instructions for “how to file a ethics complaint” published in the newsletter.

Respectfully submitted,

Rachel Henricks, Brent Reschly

SCST NOMINATIONS COMMITTEE

June 6, 2024

The nominating committee of the SCST had Executive Director, Kelly Polzin distribute an e-mail appealing to the membership for nominees for the office of a Director-at-large position and an honorary member. The Director-at-large position is for a three-year term. We received four nominations for the Director-at-large position and three agreed to serve if elected.

The executive director sent out the ballots and tabulated the results.

Nicolette Hard of Eurofins in River Falls, WI was elected to fill the Director-at-large position.

Harold Armstrong was elected to become an honorary member of the SCST.

We would like to thank everyone for their help and cooperation.



Analyzeseeds.com

Respectfully submitted,

Sam Banks,
Read on behalf of Brad Johnson, Chairman

SEED LIBRARY COMMITTEE

June 6, 2024

No report given at SCST Business Meeting.



AOSA COMMITTEE REPORTS

AOSA Committee Reports are published as submitted at the AOSA Business meeting. Reports given here pertain to the business of the Association of Official Seed Analysts.

AUDIT COMMITTEE

June 6, 2024

Secretary-Treasurer, Lynn Robinson presented information regarding the budget of AOSA and answered questions during the AOSA Annual Business Meeting.

BY-LAWS COMMITTEE

June 6, 2024

The virtual meeting of the Bylaws committee was held on May 15, 2023. There were 6 people in attendance. We discussed 1 Bylaw change that was submitted.

By-law proposal #2 was amended to include the dissolution of the Membership committee and to include responsibilities of the Executive board.

Respectfully submitted,
Lynn Robinson
AOSA Bylaws chairperson

AOSA MEMBERSHIP COMMITTEE

June 6, 2024

PROFILES OF HONORARY MEMBERS ELECTED AT THE BUSINESS MEETING

Janine Maruschak

Janine Maruschak was elected in 2006 as board member and then 2010 she was elected to the secretary-treasurer position which she retained, through four more reelections, until her retirement 2023.

During her 17 years on the AOSA board Janine was prolifically involve on many fronts.

To highlight a few of her activities:

In 2008 she helped develop guidelines for the Rules committee.

In 2009 She worked on audits that checked to see if regulatory labs were following the AOSA Rules for Testing Seeds.

In 2015 she began work on the Virtual Seed Identification Survey.

In 2018 she helped with and advocated for the International Seed Morphology Association.

In 2019 helped to develop our code of conduct document and participated in the consolidation efforts.

Janine has also:



Analyzeseeds.com

- presented and helped to write many AOSA by-law proposals,
- conducted many years of financial audits for the Association,
- promoted collaborative efforts whenever possible to glean the best from what everyone had to offer,
- represented AOSA at OECD Seed Scheme meetings
- and served as contact point/representative for CFIA

Janine's institutional knowledge provided much guidance for the administration of the Association and was instrumental in conducting annual meetings, and her attention detail and her professionalism encouraged us all to do a better job. Janine's impact will be felt for years to come.

For her many years of excellent service, and her dedication to AOSA, Janine Maruschak was nominated for Honorary Membership.

The AOSA board has approved her nomination, and it is my pleasure and joy to present Janine Maruschak as a candidate for Honorary Membership.

David Johnston

In 1987, David Johnston became a Certified Seed Analyst (CSA) in purity and germination. He was appointed as Lead Seed Analyst and Seed Lab Operational Manager at the Michigan Department of Agriculture.

In 2008, David accepted an appointment as Manager of SGS North America Seed Services. During his tenure, he continued to participate in numerous AOSA/SCST validation studies related to seed purity, germination, identification, and TZ testing.

In 2010, David moved to the Monsanto Vegetable Seed Quality Control Lab. During his time with Monsanto, David served as SCST co-chair of the Germination and Dormancy Subcommittee.

From 2016 to 2023, David served as the Seed Programs Coordinator/Seed Lab Manager and Seed Sampler Trainer for the Louisiana Department of Agriculture and Forestry where he oversaw the testing of seed samples for the purposes of seed law compliance, seed certification, and conducted and participated in multiple AOSA/SCST referee tests aimed at improving the rules.

David Johnston is one of the most prolific contributors of AOSA Rules change proposals, authoring or co-authoring proposals to ensure and promote uniformity in seed testing.

David has served as AOSA Vice President and President.

David's passion for seed testing and his commitment to AOSA objectives have made a lasting and significant contribution to our Association. For this David Johnston was nominated for Honorary Membership.

AOSA REGULATORY COMMITTEE

June 6, 2024

The AOSA Regulatory Committee met Tuesday June 4, 2024. Several items were presented including: Determining the number of off-type oats per pound using the Oat Fluorescence, Noxious Weeds verses Noxious Weed Seed, and testing agricultural seeds in small seed packets. Two action items came from the meeting: 1) Ask the Purity subcommittee to develop standard procedures to determine the number of Off-



Analyzeseeds.com

type seeds per pound using the Oat Fluorescence test, and to review if we should only be using the Noxious Weed Seed working weight to calculate the number of seeds per pound. 2) Ask the Rules committee to consider language encouraging the use of the verbiage, “Noxious Weed Seed” in the AOSA Rules for Testing Seeds.

Respectfully submitted,
Johnny Zook

AOSA NOMINATIONS COMMITTEE

June 6, 2024

What a fantastic year. Six of our members submitted nominations for the AOSA Board of Directors. All nominations were thoughtfully submitted. All talented people.

Less than ten of our membership voted. For that I thank you.

Successful candidates were:

Diandra Viner – Vice President

Lynn Robinson – Sec/Tres

Nish Patel – Board member

Leanna Leach - Board member

Respectfully submitted,

Bridget Westfall
Montana State Seed Testing Laboratory



MEETING ATTENDEES

Name	Lab/Organization/Employer/Affiliation
Alexander, Tyann	SGS North America
Allen, Ernest	USDA, AMS, S&T, SRTD
Anfinrud, Mark	Retired
Armstrong, Harold	Retired
Arneson, Heidi	Hefty Seed Company
Arvin, Kyle	New York State Seed Testing Laboratory
Aycok, Adrian	USDA ARS National Laboratory for Genetic Resource Preservation
Baldrige, Gordon	Arkansas Department of Agriculture - Seed Lab
Banks, Sam	Bayer Crop Science
Batth, Bhupinder	SoDak Labs, Inc
Beal, Brian	AgReliant Genetics
Beal, Jeffrey	Guest of Brian Beal
Beals, Steve	Illinois Crop Improvement Association
Benham, Rhonda	HM Clause
Berns, Mark	Illinois Crop Improvement Association
Blake, Jessica	Iowa State University
Bogi, Lauren	Michigan Crop Improvement Association
Bowers, Kathy	North Carolina Department of Agriculture & Consumer Services
Brix, Kalyn	SoDak Labs, Inc
Carrillo, David	Pure-Seed Testing
Chen, Xu	Baker Creek Seed
Choe, Eunsoo	Illinois Crop Improvement Association
Cleave, Barbara	Sakata Seed America Inc.
Clift, Laura	Corteva Agriscience
Conway, Matt	Corteva Agriscience
Crowl, Randy	Colorado Seed Lab
Davis, Cindy	Washington State Department of Agriculture
Deleon, Harley	Bayer Crop Science
Donaldson, Laura	Indiana Crop Improvement Association
Duray, Zach	Illinois Crop Improvement Association
Erickson, Todd	USDA, AMS, S&T, SRTD
Foote, Dr. Bill	North Carolina Department of Agriculture & Consumer Services
Foster, Neal	South Dakota Crop Improvement Association
Geary, Rachel	Wyoming State Seed Lab
Gilbert, Rodney	Wyffels Hybrids



Analyzeseeds.com

Gillen, Hannah	SDSU Seed Testing Laboratory
Gillespie, Quinn	Universal Seed LLC
Greeley, Ella	Arkansas Department of Agriculture - Seed Lab
Grief, Kelly	Wyffels Hybrids
Grubisic, Amy	MD Seed Analysis, Inc.
Grubisic, Donna	MD Seed Analysis, Inc.
Guo, Ruihong	USDA, AMS, S&T, ODA
Gurza, Amy	USDA ARS National Laboratory for Genetic Resource Preservation
Gutormson, Kurt	SoDak Labs, Inc
Gutormson, Kyle	SoDak Labs, Inc
Hall, Jenny K.	Georgia Department of Agriculture
Hard, Nicolette L.	Eurofins BioDiagnostics,LLC
Harris, Ronwood	North Carolina Department of Agriculture & Consumer Services
Heuberger, Regan	SoDak Labs, Inc
Hitz, Katlyn	Magno Seed LLC
Hubbard, Clayton	Central Seed Testing, LLC
Huyge, Suzy	Syngenta Seeds Pasco
Jacobson, Natalie J.	Iowa State University Seed Science Center
Johnson, Brenda	Eurofins BioDiagnostics,LLC
Johnson, Cathleen	Alabama State Seed Lab
Jones, Desirae	Seneca Foods
Jones, Nancy	Washington State Department of Agriculture
Keever, Ryan	AgReliant Genetics
Kloppenborg, Torie	USDA ARS National Laboratory for Genetic Resource Preservation
Kopinsky, Sari	Bayer Crop Science
Korn, Kaitlin	Bayer Crop Science
Kuechenmeister, Trevor	SoDak Labs, Inc
LaMastra, Stacy	ADM Edible Bean
Leach, Leanna	South Carolina Department of Agriculture
Lemke, Jack	Idaho State Seed Lab
Madsen, Mike	SoDak Labs, Inc
Mager, Tom	Beck's Hybrids
Mahlev, Lubo	Alaska State Seed Lab
Malott, Brooke	Indiana Crop Improvement Association
Marler, Rachel	SGS North America
Martin, Lauren	Colorado Seed Lab
Martinez, Carmela	Washington State Department of Agriculture
Martinez, Danilo	North Dakota State Seed Department
Mathiason, Kathy	SDSU Seed Testing Laboratory
Mattern, Mackenzie	SoDak Labs, Inc
Matthaei, Hunter	SoDak Labs, Inc



Analyzeseeds.com

Matthaei, Tim	NST Labs
McGee, Don	Pennington Seed Inc.
McMurry, Steve	AASCO
McVay, Jessica	Office of Indiana State Chemist
Mech, Marissa	Corteva Agriscience
Merritt, Makayla	Pure-Seed Testing
Merritt, Matthew	Pure-Seed Testing
Miranpuri, Shaminder	Wisconsin Crop Improvement Association
Moore, Brigitte	Kent Agri Lab
Morrison, Emily	Indiana Crop Improvement Association
Nelson, Melissa	NST Labs
O'Neal, Catherine	University of Kentucky
Palmer, Moses	20/20 Seed Labs Inc.
Patel, Nish	Pennsylvania Department of Agriculture
Perrault, Jason	Seedway
Peterson, Kelly	SGS North America
Phillips, Melissa	Bayer Crop Science
Porter, Kyra	West Virginia Department of Agriculture
Pouliot, Eric	Indiana Crop Improvement Association
Pouliot, Scottie	Indiana State Seed Lab, Office of Indiana State Chemist
Richard, Karen	Bayer Crop Science
Richeson, Molly	AgReliant Genetics
Robertson, Cooper	AgReliant Genetics
Robinson, Jolie	Washington State Department of Agriculture
Robinson, Lynn R., RST	Nebraska Crop Improvement Association
Rodriguez, Karla	Condor Seed
Schrankler, Adam	Minnesota Department of Agriculture
Schulthies, Sarah	Utah Department of Agriculture and Food
Shearer, Lauren	SoDak Labs, Inc
Silva, Valeria	Sakata Seed America Inc.
Small, Bret	Beck's Hybrids
Smidt, Miranda	Applewood Seed Co.
Smith, James	MDAC Bureau of Plant Industry
Spain, Sheila	Central Seed Testing, LLC
Stark, Tammy	Hubner Industries
Stewart, Elizabeth	USDA, AMS, S&T, SRTD
Stimpson, David	Oregon State University Seed Lab
Sunwar, Sharmila	Sakata Seed America Inc.
Sutardjo, Happy	Tour ONLY & guest of Nining Sutardjo
Sutardjo, Nining	University of Kentucky
Sutherland, Dana	Canadian Grain Commission



Analyzeseeds.com

Thomas, Ashley	North Dakota State Seed Department
Topic, Marija	Crookham Company
Townsend, Caitlyn	Tangent Seed Lab
Tyler, Tia	USDA Forest Service
Van Tassel, Steven	Retired
Vankus, Victor	USDA Forest Service
VanWinkle, Candace	Pennington Seed Inc.
Vereb, Jordan	Pennsylvania Department of Agriculture
Viner, Diandra	Minnesota Department of Agriculture
Waibel, Gil	Retired
Wang, Dr. Ruoqing	Canadian Food Inspection Agency
Ward, Cassandra	Minnesota Department of Agriculture
Warnock, Vincent	USDA ARS National Laboratory for Genetic Resource Preservation
Weber, Alyssa	NST Labs
Westfall, Bridget	Montana State Seed Testing Laboratory
Whitmer, Sam	Keithly-Williams Seed
Whitt, Crystal	North Carolina Department of Agriculture & Consumer Services
Wilbanks, Dr. Sarah	AOSCA
Zook, Johnny	Pennsylvania Department of Agriculture



AWARDS AND HONORARY MEMBERSHIPS

Awards for Meritorious Service are given to members who have distinguished themselves in the organizations of AOSA and SCST for their contributions to the organizations and to seed testing as a whole. Some individuals who are not a member of AOSA or SCST may be recognized by either organization with an honorary membership as recognition for their contributions to the functions of the Association or Society.

RECIPIENTS OF THE SCST MERITORIOUS SERVICE AWARD

The Meritorious Service Award was initiated in December of 1964 by the SCST Executive board to give recognition to present or past members who, in the opinion of the Board, have rendered outstanding service to the Society.

- 1965 *James E. Benedict, Comm. Seed Lab. Silver Springs, MD
- 1965 *Joseph E. Barnes, Funk Bros. Seed Co. Bloomington, IL
- 1965 *Bertha H. DeHam, Peppard Seeds Inc. Kansas City, MO
- 1965 *Clara A. Mangelsdorf, E.F. Mangelsdorf & Bros. Inc., St. Louis, MO
- 1965 *Harley Reeder, Agricultural Seed Lab Phoenix, AZ
- 1965 *Lewis J LaPine, Kentuckiana Seed Lab, New Albany, IN
- 1966 *Gabriel E. Natile, Asgrow Seed Company, Twin Falls, ID
- 1966 *Wilson Stone, Lone Star Seed Laboratory Tyler, TX
- 1967 *Verene Snell, Grace/Rudy- Patrick, Kansas City, MO
- 1968 *Mary K. Ryman, Burlingham & Sons, Forest Grove, OR
- 1969 *Louise C. Baker, Baker Seed Lab, Memphis, TN
- 1970 *Harriet E. Marsh, MFA Milling Company Springfield, MO
- 1970 *Harold O. Thornes, Land O' Lakes Inc. Minneapolis, MN
- 1971 *W. Wells Oppel, Teweles Seed Co. Milwaukee, WI
- 1972 *Joseph T. Charmella, Rudy Patrick Co., Kansas City, MO
- 1972 *Robert G. Colborn, Colborn Seed Testing Lincoln, NE
- 1972 *Charles R. Gunn, Crops Research Div., SNS, USDA, Beltsville, MD
- 1973 *Charles C. Abbott, Ohio Dept of Ag, Reynoldsburg, OH
- 1973 *Ivah H. Clark, Clark Seed Lab., Toronto, ON, Canada
- 1974 *Betty R. Atwater, Ransom Seed Lab., Santa Barbara, CA
- 1975 *Robert H. Edwards, Jr., Farmers Coop, Lavergne, TN
- 1976 *Frances H. Callaghan, NK Seed Co., Minneapolis, MN
- 1976 *Lucy M. Neill, Southern States Cooperative, Richmond, VA
- 1978 *Lloyd E. Smith, Gold Kist Research Center, Lithonia, GA
- 1979 *R. Jane Barris, Jacob Hartz Seed Co., Stuttgart, AR
- 1980 *Helen K. Faris, Pacific Seed Lab., Oakland, CA
- 1980 *Freida Wertman, Central Seed Lab., Excelsior, MN
- 1981 *Thomas Hackett, Asgrow Seed Co., Twin Falls, ID
- 1981 *Coralie Wilson, Northrup King Co., Tangent, OR
- 1982 *Dale Bright May Seed & Nursery Co., Shenandoah, IA



Analyzeseeds.com

- 1982 *E. Jane Scott, Lipscomb Seed Co., Inc., Springfield, MO
- 1983 *Cecilia Kollack, Vaughn Seed Co., Downers Grove, IL
- 1983 *David S. McClure, Cargill Inc., Seed Division, Belmond, IA
- 1984 *Mary Bristol, AMM Seed Testing, Fresno, CA
- 1985 *Norman Kalbacken, Funk Seeds Int., Bloomington IL
- 1986 No Award Presented
- 1987 *Betty Butler, Southern States Cooperative, Richmond, VA
- 1987 *Mark Johnson, Pioneer Hi-Bred, Johnston, IA
- 1988 *Charlotte Jennings, Jennings Seed Testing St Joseph, MO
- 1989 *Geraldine Ottosen, True-Test Seed Lab., Junction City, OR
- 1989 *Wesley Wilcox, Funk Seeds, Int., Bloomington, IL
- 1990 Paul Johnson, Northrup King, New Deal, TX
- 1990 *Richard Sayers, Asgrow Seed Co., Twin Falls, ID
- 1991 *Hada Lambert, Cal/West Seed Co., Woodland, CA
- 1992 Guin Jenanyan, Royal Sluis Inc., Salinas, CA
- 1992 *Emma Kay, Southern States Cooperative, Richmond, VA
- 1993 *Marie T. Greeniaus, Accu-Test Seed Lab., Rivers MB, Canada
- 1993 Joe Lamb, Great Lakes Hybrids, Ovid, MI
- 1994 Aleta Meyr, Ransom Seed Lab, Carpinteria, CA
- 1995 Pat Brownfield, Rogers Seed Co., Twin Falls, ID
- 1996 Quentin Schultz, Mycogen Seeds, Prescott, WI
- 1997 Catherine Cook, Asgrow Seed Company, Ames, IA
- 1998 Nancy Vivrette, Ransom Seed Lab, Carpinteria, CA
- 1999 Dennis TeKrony, Univ. of Kentucky, Lexington, KY
- 2000 Myrta Wysong, Iowa State Seed Science Center, Ames, IA
- 2001 Sharon Davidson, Agri Seed Testing, Salem, OR
- 2002 Tim Gutormson, Mid-West Seed Services, Brookings, SD
- 2003 Loren Wiesner, USDA-ARS National Seed Storage Lab
- 2004 Barbara Cleave, Alf Christianson Seed Co., Mt. Vernon, WA
- 2005 Doug Ashton, Canadian Food Inspection Agency, Ottawa, ON, Canada
- 2006 Wayne Guerke, Georgia State Department of Agriculture, Tifton, GA
- 2007 Michael O'Neil, Pioneer Hi-Bred International, Inc., Johnston, IA
- 2008 *Barbara Atkins, STA Laboratories, Longmont, CO
- 2008 David Stimpson, Mycogen Seeds/DowAgrosciences, Marshalltown, IA
- 2009 Diane Mesa, Syngenta Seeds, Research Triangle Park, NC
- 2009 Norma Rossel, Johnny's Selected Seeds, Winslow, ME
- 2010 Miller McDonald, Ohio State University, Columbus, OH
- 2010 Cathy Weidmaier, SCST Secretary-Treasurer 1993-1999
- 2011 Jim Effenberger, California Department of Food & Agriculture, Sacramento, CA
- 2012 Susan Maxon, USDA-AMS, SRTB, Gastonia, NC
- 2013 None presented
- 2014 Brent Reschly, Syngenta, Ames, IA
- 2015 Heidi Jo Larson, SGS, Brookings, SD
- 2016 Deborah Meyer, California Department of Food and Agriculture, Sacramento, CA



Analyzeseeds.com

- 2017 *Reginald Denny Hall, University of Wyoming Seed Lab, Powell, WY
- 2018 Gil Waibel, Indiana Crop Improvement, Lafayette, IN
- 2019 Jennifer Pernsteiner, Minnesota Crop Improvement Association, St. Paul, MN
- 2020 Sue Alvarez, Ransom Seed Lab, Carpinteria, CA
- 2020 Michael Stahr, Iowa State University, Ames, IA
- 2021 None presented
- 2022 Heidi Jo Larson, SGS, Brookings, SD
- 2023 Jane Penrose, Agri Seed Testing, Salem, OR
- 2024 None presented

*deceased



RECIPIENTS OF THE AOSA MERIT AWARD

1959 C.W. Legatt, R.H. Porter, E. H. Toole

1960 Albina Musil

1961 Edgar Brown

1962 O.L. Justice

1963 C.M. Bass

1964 A.S. Carter

1965 Duane Isely

1966 B.F. Forward

1967 W.A. Davison

1968 Benjamin E. Clark

1969 Louisa A. Jensen

1970 Leroy E. Everson

1971 E.J. (Jess) Doyle

1972 Claude Heit

1973 C. Bernard, W. Rogers

1974 Vera Colbry

1975 Louis N. Bass

1976 Ray Kinch

1977 Edgar Sundermeyer

1978 Don Grabe

1979 E. E. Hardin

1980 James Delouche

1981 Dwight D. Forsyth

1982 Arnold Larson

1983 Wendell F. Ditmer

1984 Milton Meadows

1985 R.P. Moore

1986 George Spain

1987 Loren Wiesner

1988 T. Wayne Still

1989 Gail Fenderson

1990 Charles Abbott

1991 A.B. (Sandy) Ednie

1992 Rodger Danielson

1993 No Award Presented

1994 Larry O. Copeland

1995 Dennis TeKrony

1996 Richard C. Payne



Analyzeseeds.com

1997 No Award Presented
1998 Doug Ashton
1999 Deborah Meyer
2000 Charles Baskin
2001 No Award Presented
2002 No Award Presented
2003 Lee Daughtry
2004 Jim Lair
2005 Ellen M. Chirco,
2006 Joe Garvey, Miller McDonald
2007 Wayne Guerke
2008 No Award Presented
2009 No Award Presented
2010 Miller McDonald
2011 Richard C. Payne
2012 Susan Maxon
2013 Deborah Meyer
2014 Gil Waibel
2015 Michael Stahr
2016 Adriel Garay
2017 Sabry Elias
2018 Sue Alvarez
2019 Riad Baalbaki & Annette Miller
2020 No Award Presented
2021 No Award Presented
2022 No Award Presented
2023 Janine Maruschak, Special Service award
2024 No Award Presented



SCST HONORARY MEMBERS

- 1946 *Helen Peebles, McCullough Seed Co., Cincinnati, OH
1948 *Wilbur Wright, Dominion Laboratory, Ottawa, ON
1950 *Emma Sirrene, USDA, Washington, DC
1951 *F.H. Hillman, USDA, Washington, DC
1952 *Regina Schulte, USDA, Washington DC
1953 *Louisa Jensen, Oregon State University, Corvallis, OR
1954 *Albina Musil, USDA, Hopkins, MN
1955 *George Elliot, Dominion Laboratory, Ottawa, ON
1957 *Eben Toole, Agr. Marketing Sv, PPI, Washington, DC
1958 *Altice Carter, Seed Contr., Purdue Univ., Lafayette, IN
1960 *Walter Davidson, AMS, USDA, Washington, DC
1961 *Duane Isley, Iowa State University, Ames, IA
1962 *Bower Forward, Dept. of Ag., Toronto, ON
1963 *Oren L. Justice, FCAP Research, USDA, Hyattsville, MD
1964 *Leroy Everson, Iowa State University, Ames, IA
1966 *Merle Pierpoint, Oregon State Seed Lab, Corvallis, OR
1967 *Pauline Balbach, Indiana State Seed Lab., Lafayette, IN
1968 *R.P. Moore, North Carolina State University, Raleigh, NC
1969 *L.N. Bass, Mat. Seed Storage Lab., Ft. Collins, CO
1970 *Vera Colbry, Federal Seed Lab., USDA, Sacramento, CA
1971 *Edward Hardin, Oregon State University, Corvallis, OR
1972 *Willard Crosier, State Ag. Exp. Station, Geneva, NY
1973 *David Syme, Sr. Anchor Paper Co., St Paul, MN
1974 *Lester C. Shenberger, Indiana State Seed Lab., Lafayette, IN
1975 *Preston King, Northrup King & Co., Minneapolis, MN
1976 *Edgar W. Sundermeyer, NSTSL, USDA, Beltsville, MD
1977 *Elizabeth Wiseman, NSTSL, USDA, Beltsville, MD
1978 *Bonnie Jenkins, Iowa State University, Ames, IA
1979 James DeLouche, Seed Tech. Lab., Mississippi State, MS
1980 *James Harrington, University of California, Davis, CA
1981 *Ben E. Clark, NY State Ag. Exp. Station, Geneva, NY
1982 *Janetta Leveque, Federal Seed Lab, USDA, Montgomery, AL
1983 *Arne Wold, State Seed Testing Station, AS-NLH, Norway
1984 *Frances William “Bill” Dale, Agriculture Canada, Saskatoon, SK
1985 *Wendell Ditmar, Dept. of Ag., Harrisburg, PA
1986 No award presented
1987 *Carleton Hanson, MN Crop Improvement Association St. Paul, MN
1988 Miller McDonald, Ohio State University, Columbus, OH
1989 *Arnold Larsen, Colorado State Seed Lab., Ft. Collins, CO
1990 Ellen Chirco, NY State Seed Lab., Geneva, NY
1991 Jim Bruce, Colorado State Seed Lab., Ft. Collins, CO
1992 Alexander B. “Sandy” Ednie., Agriculture Canada, Ottawa, ON
1993 *Don Ator, Texas Seed Trade Association, Pflugerville, TX
1994 Al Hoffman, Hoffman Manufacturing, Albany, OR
1995 *Al Stults, Stults Engineering Springfield, IL



Analyzeseeds.com

- 1996 Paul Hall retired Wyoming State Seed Lab
- 1997 *Doris Baxter retired CA Dept of Agriculture
- 1998 Roger Danielson retired Oregon State University, Corvallis, OR
- 1999 Greg Lowry, Idaho Society for Association Executives and AOSCA, Boise, ID
- 2000 *Charles Robert "Bob" Gunn, USDA, Beltsville, MD
- 2001 Doug Ashton, Canadian Food Insp. Agency, Ottawa, Canada
- 2002 Harold Laswell, Seed Regulatory and Testing Branch, Gastonia, NC
- 2003 Susan Maxon, Seed Regulatory and Testing Branch, Gastonia, NC
- 2004 *Hada Lambert, retired Cal/West, Davis, CA.
- 2005 Ken Allison, Canadian Food Insp. Agency, Ottawa, Canada
- 2006 No award presented
- 2007 No award presented
- 2008 Dennis TeKrony, University of Kentucky, Lexington, KY
- 2009 *Joseph Garvey, Pennsylvania State Seed Lab, Harrisburg, PA
- 2010 David Buckingham, Kentucky State Seed Regulatory Services, Lexington, KY
- 2011 Dr. Richard Payne, USDA-AMS, SRTB, Gastonia, NC
- 2012 Perry Bohn, USDA-AMS, SRTB, Gastonia, NC
- 2013 Joanne Hinke, CFIA, Saskatoon, Canada
- 2014 No award presented
- 2015 Alan Galbreth, Indiana Crop Improvement Association, Lafayette, IN
- 2016 Al Hoffman & Mike and Sherri Bartoz, Hoffman Manufacturing, Jefferson, OR
- 2017 Loren Wiesner, retired, USDA National Germ Plasm Resource Center Milliken, CO
- 2018 *Randy Goff, Mustang Seeds, Madison, SD
- 2019 Riad Balbaaki, California Department of Food and Agriculture, Sacramento, CA
- 2020 Janine Maruschak, CFIA Saskatoon Laboratory, Saskatoon, Saskatchewan, CN
- 2021 Ernest Allen, USDA Seed Regulatory and Testing Division, Gastonia, NC
- 2022 Bob Price, CDFA Seed Laboratory, Sacramento, CA
- 2023 No award presented
- 2024 Harold Armstrong, Retired, SGS Seeds, Brookings, SD

*deceased



AOSA HONORARY MEMBERS

Charles C. Abbott	Newville, PA
Francis J. Barney,	
Doris Leiser Baxter	Sacramento, CA
Jennie A. Bloodgood	South Amoy, NJ
Hollis E. Buckland	Essex Junction, VT
Ellen M. Chirco	Penn Van, NY
Clifford Christenson	St. Paul, MN
Rodney D. Cobb	
William Cook	Palmyra, PA
Lawrence Copeland	Mason, MI
Willard Crosier	
F. W. S. Dale	Saskatoon, SK, CANADA
M. Hanford (Gus) Day	Silver Spring, MD
Wendell Ditmer	Mechanicsburg, PA
Clyde R. Edwards	
A.B. (Sandie) Ednie	Chelsea, ON, CANADA
L.E. Everson	
Gail Fenderson	Meeker, OK
Dwight Forsyth	Madison, WI
Don F. Grabe	Sisters, OR
Wayne Guerke	Tifton, GA
Paul J. Hall	
Edward E. Hardin	Corvallis, OR
Alice Hartley	
James F. Harrington	Davis, CA
Ralph Henry Hoffman	Huntington Valley, PA
Duane Iseley,	Ames, IA
Bonnie Jenkins	
Louise A. Jensen	Corvallis, OR
R.C. Kinch	
Velva Kumpel	
Jim Lair	Cantrail, IL
Dwight W. Lambert	
Arnold Larsen	Fort Collins, CO
Waldo Lincoln	
Russell K. Marx	Madison, WI
Ada McFarland	
Elizabeth McSwain	Austin, TX
Milton Meadows	Tallahassee, FL
William N. Rice	Northampton, MA
Stanley Rollin	
Russell Ruud	Moorehead, MN
Malcolm Sarna	Maurertown, VA



Analyzeseeds.com

Charles Sciple

Jane Skinner

George Spain

T. Wayne Still

E. W. Sundermeyer

Vivian K. Toole

Thomas Umstatted

Loren Weisner

Cindy Finneseth

Dennis TeKrony

Don Grabe

Annette Miller

Deborah Meyer

Roger Burton

Janine Maruschak

David Johnston

LaPlace, LA

Raleigh, NC

Lexington, KY

Lees Summit, MO

Greensboro, NC

Lohman, MO

Milliken, CO

Oregon

Colorado

California

North Carolina

Saskatoon, SK, CA



SCST GAVEL CLUB & E.H. JENKINS PAST PRESIDENTS CLUB

To recognize the work of leading the Association and Society, AOSA established the E.H. Jenkins Past Presidents Club and SCST established the Society of Commercial Seed Technologists Gavel Club for those who have served in the office of president of the Association or Society.

SCST GAVEL CLUB

Past Presidents	Meeting Place
*James E. Benedict	1922 Chicago, IL 1923 Atlantic City, NJ 1924 Washington, D.C. 1925 Kansas City, MO
*Walter C. Pfaender	1926 Ithaca, NY 1927 Detroit, MI 1928 New York, NY 1929 Des Moines, IA
*Leona Holliman	1930 Cleveland, OH 1931 Toronto, ON, Canada
*Kerchival Smith	1932 Fargo, ND 1933 Chicago, IL 1934 None held
*Anton J. Zahorik	1935 Minneapolis, MN 1936 Rochester, NY 1937 Washington, D.C.
*Betty Ransom Atwater	1938 Guelph, Ontario, Canada 1939 Madison, WI
*Macy I. Spracher	1940 Auburn, AL 1941 Ames, IA
*W. Wells Oppel	1942 Lexington, KY 1943 Chicago, IL
*Bertha M. DeHam	1944 Columbus, OH 1945 None held
*Gabriel E. Nutile	1946 Lansing, MI 1947 Richmond, VA 1948 Springfield IL
*Wilson Stone	1949 Corvallis, OR 1950 Washington D.C.
*Joseph E. Barnes	1951 Guelph, Ontario, Canada 1952 Lafayette, IN
*Katherine H. Koos	1953 Lincoln NE 1954 Ames, IA
*Harold O. Thornes	1955 Stillwater, OK



*Mary E. Lamphier	1956 Sacramento, CA
	1957 Baton Rouge, LA
	1958 Montreal, Quebec, Canada
Harley M. Reeder	1959 Bozeman, MT
	1960 Springfield IL
*Elva L. Norris	1961 Richmond, VA
	1962 Miami Beach, FL
*Charles C. Abbott	1963 Ft. Collins, CO
	1964 Rochester, NY
*Mary K. Ryman	1965 Lexington, KY
	1966 Vancouver, BC
*Joseph T. Charmella	1967 Madison, WI
	1968 Atlanta, GA
*Ivah H. Clark	1969 Sacramento, CA
	1970 Jefferson City MO
Robert H. Edwards	1971 Raleigh NC
	1972 Salt Lake City, UT
Lucy Neill	1973 Ottawa, Ontario, Canada
	1974 Little Rock, AR
Lloyd Smith	1975 Portland, OR
	1976 Hershey, PA
*R. Jane Barris	1977 Amherst, MA
	1978 Lincoln, NE
*Coralie Wilson	1979 Saskatoon, Sask., Canada
	1980 Des Moines, IA
David McClure	1981 Orlando, FL
	1982 Corpus Christi, TX
*Cecilia Kollack	1983 Ottawa, Ontario, Canada
	1984 Boise, ID
Charlotte Jennings	1985 Richmond, VA
	1986 Minneapolis, MN
Paul Johnson	1987 Sacramento, CA
	1988 Rochester, NY
Guin Jenanyan	1989 Peoria, IL
	1990 Annapolis, MD
Quentin Schultz	1991 Lexington, KY
	1992 Oklahoma City, OK
Cathy Cook	1993 Ft. Collins, CO
	1994 Portland, OR
Travis Handwerker	1995 Sacramento, CA
	1996 Milwaukee, WI
Sharon Davidson	1997 Savannah, GA
	1998 Boise, ID
Michael O'Neil	1999 Omaha, NE
	2000 Ames, IA
Pat Brownfield	2001 Albuquerque, NM
	2002 Sioux Falls, SD



Analyzeseeds.com

Tim Gutormson	2003 Seattle, WA
	2004 Tunica, MS
Diane Mesa	2005 Saskatoon, SK, Canada
	2006 Indianapolis, IN
Gil Waibel	2007 Cody, WY
	2008 St. Paul, MN
Doug Miller	2009 Fort Collins, CO
	2010 St. Louis
Brent Reschly	2011 Williamsburg, VA
	2012 Des Moines, IA
Neal Foster	2013 Boise, ID
	2014 Fargo, ND
Barbara Cleave	2015 Tampa, FL
	2016 Portland, OR
David Stimpson	2017 Denver, CO
	2018 Raleigh, NC
Heidi Jo Larson	2019 Sparks, NV
	2020 None Held
Steve Beals	2021 Virtual Meeting
	2022 Skokie, IL
Melissa Phillips	2023 Saskatoon, SK, Canada
	2024 Rapid City, SD

*deceased

Gavel club is the year where President was sworn in.



E.H. JENKINS PAST PRESIDENTS CLUB

*deceased

YEAR	PAST PRESIDENT	MEETING PLACE
1908	*E. H. Jenkins	Washington D.C.
1909	*E. H. Jenkins	Boston, MA
1910	*E. H. Jenkins	Washington D.C.
1911	*E. H. Jenkins	Columbus, OH
1912	*G. I. Christie	Cleveland, OH
1913	*G. P. Burns	Washington D.C.
1914	*W. L. Oswald	Washington D.C.
1915	*W. L. Oswald	Columbus, OH
1916	*E. D. Eddy	Minneapolis, MN
1917	*A. L. Stone	Detroit, MI
1918	*G. T. French	Baltimore, MD
1919	*Harold DeMott Hughes	St. Louis, MO
1920	*Edgar Brown	Chicago, IL
1921	*George Harold Clark	Toronto, ON
1922	*F. W. Taylor	Chicago, IL
1923	*F. W. Taylor	Cincinnati, OH
1924	*Mancel T. Munn	Washington D.C.
1925	*Anna M. Lute	Kansas City, MO
1926	*W. H. Wright	Ithaca, NY
1927	*W. H. Wright	Detroit, MI
1928	*Eben H. Toole	New York, NY
1929	*Forrest S. Holmes Sr.	Des Moines, IA
1930	*A. L. Stone	Cleveland, OH
1931	*C. W. Leggatt	Toronto, ON
1932	*Fred H. Hillman	Fargo, ND
1933	*O. A. Stevens	Chicago, IL
1934	No Meeting Held	
1935	*W. L. Gross	St. Paul, MN
1936	*William Orr Whitcomb	Rochester, NY
1937	*George Arthur Elliott	Washington D.C.
1938	*Emma F. Serrine	Guelph, ON
1939	*Leland N. Allen	Madison, WI
1940	*R. H. Porter	Auburn, AL
1941	*Charles "Hugh" Niman McIntyre	Ames, IA
1942	*F. H. McLaughlin	Lexington, KY
1943	*Charles A. Stahl	No Meeting Held



1944	*Charles A. Stahl	Columbus, OH
1945	*Norman G. Lewis, No Meeting Held	
1946	*Norman G. Lewis	East Lansing, MI
1947	*G. P. Steinbauer	Richmond, VA
1948	*Raymond C. Kinch	Springfield, IL
1949	*H. L. Weir	Corvallis, OR
1950	*Altice S. Carter	Washington D.C.
1951	*Louisa A. Kanipe	Guelph, ON
1952	*Bower F. Forward	Lafayette, IN
1953	*W. C. Pfaender	Lincoln, NE
1954	*Duane Isley	Ames, IA
1955	*Buford Jones	Stillwater, OK
1956	*Oren L. Justice	Sacramento, CA
1957	*W. D. Hay	Baton Rouge, LA
1958	*Benjamin E. Clark	Montreal, QC
1959	*Leroy E. Everson	Bozeman, MT
1960	*Lester C. Shenberger	Springfield, IL
1961	*Carroll M. Bass	Richmond, VA
1962	*E. Jess Doyle	Miami Beach, FL
1963	*Dwight D. Forsyth	Fort Collins, CO
1964	*Milton V. Meadows	Rochester, NY
1965	*Paul J. Hall	Lexington, KY
1966	*Edgar W. Sundermeyer	Vancouver, BC
1967	*C. Bernard W. Rogers	Madison, WI
1968	*Elmo E. Winstead	Atlanta, GA
1969	*Harry L. Smith	Sacramento, CA
1970	*Wendell P. Ditmer	Jefferson City, MO
1971	*Edward E. Hardin	Raleigh, NC
1972	*Lois N. Bass	Salt Lake City, UT
1973	*George E. Spain	Ottawa, ON
1974	*Thomas E. Cuddy	Little Rock, AR
1975	*William N. Rice	Portland, OR
1976	*Don F. Grabe	Hershey, PA
1977	*Francis William Shelby Dale	Amherst, MA
1978	*Ralph Hofmann	Lincoln, NE
1979	James C. DeLouche	Saskatoon, SK
1980	*Arnold Larsen	Des Moines, IA
1981	*Charles C Abbott	Orlando, FL
1982	Loren Wiesner	Corpus Christi, TX
1983	*Gail Fenderson	Ottawa, ON
1984	Rodger Danielson	Boise, ID



1985	*T. Wayne Still	Richmond, VA
1986	Ellen Chirco	Minneapolis, MN
1987	David Svik	Sacramento, CA
1988	Allen Knapp	Rochester, NY
1989	*William “Buddy” Vaughan	Peoria, IL
1990	*Dr. Charles C. Baskin	Annapolis, MD
1991	Dr. Wayne R. Guerke	Lexington, KY
1992	Dr. Wayne R. Guerke	Oklahoma City, OK
1993	James Lair	Fort Collins, CO
1994	James Lair	Portland, OR
1995	Deborah Meyer	Sacramento, CA
1996	Deborah Meyer	Milwaukee, WI
1997	Robert Karrfalt	Savannah, GA
1998	Robert Karrfalt	Boise, ID
1999	Richard Lawson	Omaha, NE
2000	Richard Lawson	Ames, IA
2001	Kathleen Willey	Albuquerque, NM
2002	Kathleen Willey	Sioux Falls, SD
2003	Lee Daughtry	Seattle, WA
2004	Lee Daughtry	Tunica, MS
2005	Ellen Chirco	Saskatoon, SK
2006	Ellen Chirco	Indianapolis, IN
2007	Brent Turnipseed, acting Jan-Jun 2007	Cody, WY
2008	Brent Turnipseed	St. Paul, MN
2009	Brent Turnipseed	Fort Collins, CO
2010	Michael Stahr	St. Louis, MO
2011	Michael Stahr	Fort Collins, CO
2012	Dan Curry	Des Moines, IA
2013	Dan Curry	Boise, ID
2014	Susan Reed, acting 6-2013 – 6-2014	Fargo, ND
2015	Susan Reed	Tampa, FL
2016	Susan Reed	Portland, OR
2017	Randy Crawl	Denver, CO
2018	Randy Crawl	Raleigh, NC
2019	Michael Stahr	Sparks, NV
2020	Michael Stahr, No Meeting Held	
2021	David Johnston	Virtual Meeting
2022	David Johnston	Skokie, IL
2023	Johnny Zook	Saskatoon, SK, Canada
2024	Johnny Zook	Rapid City, SD