

## May 5, 2018 Board Meeting Minutes

Meeting called to order at 10:05 am..

Icebreaker led by Mike Tally. We were asked to punctuate a sentence.

Members present were Mike Tally, President, Cliff Hudson; District 1, Carrie Jones, Carol Moore, President Elect, Mary Ellen Durham, Lori Khan, Evelyn Baldwin; District 3, Brian Whitson, Monique Simmons, Manley Midgett, Interim Treasurer, Michelle Chadwick, District 2, Rebecca Robinson; District 6, Sandra Weitzel, Kim Alliz, Ann McClung, Brad Woodard, Secretary, Erica Kaine, District 4; Guest Speaker Amy Juliana from NC Forestry Association (Goods From The Woods), Carol Maidon

Board Position Contacts listed on the Agenda.

Future of NC in 2050, written by Michael Walden, an economist for our state, states that NC population will grow from 10.2 to 13.5 million in 2050, Urbanization of NC will continue to double. Get the word out about NCSTA some counties will double, 33 counties will lose population, impact on schools. Older population and more diverse. Environmental impacts by then global warming, NC temp to rise, northern migration of climate, less temperate, textiles will rise. Agribusiness will rise. Tech and Medical services will lead growth. Strains on natural and energy resources.

Educational system being attacked. 3-d printers on the rise. "Rise of the Robots" book is a good read. Predictable outcome replaced by robot.

1/2 of jobs will not be around in 2050. 20% permanent unemployment, teaching kids problem solving and collaboration is necessary but this individual doesn't think they will be needed as much. Use of Smartphone taking the social aspect out of communication.

Minutes from January 27, 2018 meeting approved motion by Carol Moore and seconded by Cliff Hudson. Motion carried.

No substantial income until NSTA Conference. Savings to checking will be used. Savings has enough funds. Checks come directly from credit union now. Transition from Credit Union to Sun Trust (have a checking account with them). Shut business accounts down in the future. Joette is not close to a bank so she will be doing mobile deposits. She will gradually make the transition. Credit Union Account (savings) will be kept there.

Mike Tally discussed the Fred Beyer Memorial Fund being set up for each year for the future. Brad Woodard will draft a thank you letter to be sent out to show the appreciation.

Carrie asked about the CAG representative. NC will be represented this year by Carol Moore. CAG stands for Congress of Associated Groups, we normally send a representative. Carrie Jones has been in the past. It is very important to send a representative. There will be networking opportunities. We need to amend the budget for the representative to attend. Manley Midgett made a motion to move \$1500 for her to go, this will be held in Little Rock, Arkansas. Mary Ellen Durham seconded the motion. Motion carried.

Registration for NSTA Regional Conference, you get a reduced rate (\$100 reduction) by joining NCSTA. We are under contract to promote NSTA since they host a regional conference every 4 years. Advantages of being a member of both, Mike Tally mentioned. This year how much we get from NSTA will come from NC attendees.

Joette will send an email blast out for the best way to complete registration. Many articles online on the NSTA website.

Make sure district directors send out these emails from Joette to all in their district. Rebecca Robison, District 6 reported she had made contacts with all on her email list and heard back from them. Joette asked about a membership incentive. Robison's district will have the teachers pay the NCSTA dues and then their county pays the registration costs. Discussion of Wake County and how they handle the registration as they have had high numbers of attendance.

Special Guest Amy Juliana with Goods From The Woods.....Education Manager for NC Forestry Association, she brought new Goods From the Woods boxes, 1 item has been added. Smart decision makers to teachers to the students. She is trying to bolster teacher opportunities cost and free. Touch upon all of K-12 curriculum. Exhibitors at NCSTA every year in the exhibit hall. 4,000 member in the organization. She mentioned Project Learning Tree. Please let them help! Speaker, free stuff giveaways and educational professional development. Trees, recyclable and renewable. She attended STEM West. Can be presenters and help at Drive Ins through Project Learning Tree. Workshops available in your area. Connect students to the outdoors. Evelyn Baldwin mentioned the positives of a Project Learning Tree workshop, \$50 charge. Sustainable forestry is the key! Forestry is as important to the small town as the largest one. Show students the career opportunities and technology used currently. Workshops are in Southern Pines, Asheville, and New Bern. Tons of materials given out at these workshops. Lesson plans, reading lessons, correlated to standards. The new item in the Goods From The Woods box is nail polish. Handout included in the box. She will try to create a lesson plan with the materials in the box. Can provide multi-disciplinary content just in the box! Critical thinking and exploration. Rebecca Robison uses a strategy of Forestry IQ before doing a lab with the box. She praises the lesson "how trees touch every part of our life." 5,000 products come from trees. Posters available as well, use as a tool. Guest speakers through Forest Service. She can set up tables at Science Fairs around the state. Essay contest with monetary prizes for students and teachers which enhances writing and critical thinking available through website [www.ncforestry.org](http://www.ncforestry.org)

National Wood Products Week is the 3rd week in October. Helps with Envirothon. National Envirothon comes to Raleigh in July, 2019. Mike Tally asked about how we could get this information out to teachers. Brian said that he would add to Facebook page and website. Mary Ellen Durham said the information could be tied into the Drive-In's. Featured in articles for the Reflector. Lori Khan asked about the environmental camps particularly for 6th graders. She asked about costs and exploring high school opportunities. 1 day to 5 day programs, measure trees, wildlife id's, use compasses (rotational activities throughout the parks where they are hosted). Competitions with pizza party prizes. Free field trips, minus transportation costs are available. as well. Sustainable Forestry Teacher Experience, put yourself on the waiting list to attend. Piedmont---plenty of slots available.

Hemlocks are being killed by an invasive species in the mountains.

5 minute break.....

#### District Director Reports

Cliff Hudson, District 1 2nd Week of February Meeting with John Chafee along with county managers and superintendents; extend funding from STEM East to STEM NE Beaufort, Martin and Pitt STEM Expo held in mid April 600 students 9-12 from 4 counties.

Funding grants from Soil and Water Conservation Envirothon---good showing with new teams.

Awards at State Science Fair

Drive In Dates Narrowed Down Sept. 22, October 27, November 10 in Martin County HS/MS Resource people in the works for the Fall event. Connection with Learn ED Free event \$100 budgeted per district for food as needed. If someone in Elizabeth City cannot go to Charlotte, we can come to them for a Drive-In Conference. Biggest Need: K-5 content related, getting teachers Discrepancies in resource from the Northeastern Counties to Beaufort and Pitt Co.

Earthquake grant has been extended 4 one day workshops Randy Bechtel reported to Cliff Hudson; free giveaways, materials given.

Michelle Chadwick, District 2

Aligning all K-12 together, working to bridge the gap (rebranding STEM) National Bid for two middle schools, good representation of Science Olympiad students to states. 2nd place ECYBERMISSION award working on Drive In for later in the year.

Evelyn Baldwin, District 3

Friday Institute Collaboration at her school pair up with China Students, will fly to China to show their research (students will be graduates) Consulate General of Mexico holding Day of Science today. Annual event NCSU Assist Center Device Challenge through STEM students from 5 counties participated. October/November Drive In planned

Erica Kaine, District 4

April 14th Science Olympiad held Writing curriculum grants for professional development. Drive In conference to be held later

Rebecca Robison, District 6

End of September Drive In Conference K-12 hosted at her school, donated lunch. John Wendell (Weather Anchor) 5th grade, high-level course, blow-up whale lab inside designed for 7th grade; environmental impacts of plastics in aquatic biomes. Really good activity FREE through UNC-W. couple things specific for each grade level group.

Union County girls from MIT presented to middle school girls in the county about careers in STEM before registration.

No report given from Districts 5, 7 and 8 as they were not in attendance.

Meredith District 8 June 29th Drive-In

Pitt County teams were well represented at World Robotics Competition in Houston, TX A NC team was represented on the Einstein Field. Congrats to Ann McClung and her teams.

Ann McClung reporting on Awards received, deadline is the end of the month. Student Teaching no nominations. District Awards need to be submitted. Cliff Hudson asked about the requirement (minimum 3 year teaching experience) for these awards. We need to reword the language from current position. Would like to have more than 1 just to have more competition in awards. Open areas for Collegiate, Nontraditional and Vi Hunsucker Awards. Nominations due end of the month! Carol Moore asked Joette to send District Directors list of teachers from the district to be nominated and give reminder of the due dates. Award winners don't have to be NCSTA members.

Curriculum Grants Lori Khan 3 submitted, 2 need to resubmit. \$1,000 kits for model for protein sickle cell for AP Biology. Manley suggested buy the kits and bring receipt. Procure the money, copy of the PO. We need to be track the money and have them present at conference. Study grants check goes to the individual. Encourage people with the grants to talk to their principal, Carol Maidon suggested this. Letter goes with the check to the winner, grant funds only. Setting ourselves up. Give options to school or the teacher. Mary Ellen Durham suggested research be done about the procedures to track 5 issues with these mini-grants. In review for the kits, teacher will provide further information.

Mary Ellen Durham, Nominations

Review procedures for nominations. If you want to make a nomination or a self-nomination, open until June 1st. If you go to our website the homepage last link at the center. Link takes you to another page identifying openings along with the eligibility and responsibilities. Contact information to vet the individuals. Eligible for District 3, you must live or work in that region. Takes 3 weeks to vet these nominations. Email notification to individual, then yes/no, then biographical information from the nominee directly. Odd numbers for district directors are open.

Sandra Weitzel, Envirothon Competition 52 middle school and 50 high school teams held last weekend, clear weather.

North American one is July 2019, need lots of feet on the ground, runs for 6 days unlike state competition which last 2 days.

Brian Whitson, Technology/Communications Guidelines for approving posts on social media (facebook, twitter). State those guidelines (committee) no political or questionable materials. Communications would be in charge of this.

Carrie Jones mentioned Howard Ginsberg DPI Liason on the board. We have to invite a DPI employee per our constitution.

Discussions NCSLA/NCSTA possible merger of these two groups? Too many cooks in the kitchen. Missions different.

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CONS

Cut multiple dues  
Improve Science education

conference or 2)

To many leaders, few followers  
Different missions  
How will this merger be structured?  
Expense (you would only join one, 1

Hiring an attorney for bylaws/constitution

Questions Who Will Be In Charge? Board Structure? Can NCSLA be a strand or subgroup of a merged group

NCSLA used to be Science Supervisors/University/Admin. Type as leaders

Would Burroughs-Wellcome Fund Awards and Kenan Fellows?

NSTA Conference Need a speaker, Share-A-Thon (need helps) Google Doc, Google Form on website. Contact them so they feel obligated to come. Becky Dunston will help with the logistics. 60 minute share time with rows of table. 2 presenters to a table. 50 tables. Public TV folks have lots of great activities and films with resources to share. Presenter at main conference. Possibility for a speaker, Burroughs-Wellcome have a few minutes to speak. Proposals for sessions are two months behind. Thursday, November 29th we are a part of NCSTA.

Meeting on August 11th? No General Board just Executive Committee

Suggested Summer Reading See from agenda

Carol Moore mentioned to have executive board of NCSTA and NCSLA meet regarding a merger.

Comp. Rooms?

1/2 room 3 nights and rooms cost more NCSTA pays for 1/2 form will be sent out in the summer, accept a roommate.

Manley has requested Hilton Garden Inn as our location to stay at the room. If you can get your county to pay, that would be fine. Code number given, put code in registration block of rooms. Who will stay at the Hinton, register by a certain date. Do this EARLY! Encourage carpooling, parking will be expensive! Use the light-rail.

Meeting adjourned at 2:04 pm

Respectfully submitted by Brad Woodard