

NCSTA Full Board Meeting
June 15, 2020
Virtual Web Ex Format

1. **Call To Order (Carol Maidon)** Meeting was called to order by Carol Maidon at 7:15 p.m..

All Were Welcomed and Roll Call by Brad Woodard

- **Members present:** Carol Madidon, Sandra Weitzel, Mary Ellen Durham, Mike Tally, Joette Midgett, Brad Woodard, Cliff Hudson, Michelle Chadwick, Evelyn Baldwin, Adrienne Evans, MaryKate Holden, Tim Gulifoyle, Tom Savage, Manley Midgett, Carrie Jones, Brain Whitson, Kim Alix, Tomeka Altman-Lewis, Laura Lowder, Ann McClung, Brad Rhew and Aliss Wickliff
- **Members not present:** Molly Barlow, Raulston James and Carolyn Elliot
- **Quorum was established.**

2. **Approval of Meeting Agenda (Carol Maidon)**

- Carol mentioned our new procedure in an email sent allowing for grouping together in the consent agenda the approval of minutes and the treasurer's report.
- This only requires one motion. She asked if there were any questions about these new procedures and asked if anyone needed to move an item out of the Consent Agenda.
- **The agenda was approved by MaryKate and seconded by Brad Woodard, motion carried.**

3. **Consent Agenda (Carol Maidon)**

- a. **Minutes Approval (Brad Woodard)**

- i. March 14th
- ii. April 23rd

- b. **Treasurer's Report (Mary Ellen Durham)**

(This was emailed out to board members through board@)

NCSTA Budget Report for 6/15/2020

To date the Association has spent \$28,430.27. This amount includes expenditures for board members' travel, the retreat, storage fees, sunshine fund purchases, salaries, postage, general operating costs, and Web expenses. It also includes \$86.60 (reprint of Save the Date Cards) of the \$60,615.00 designated to cover the PDI costs.

As reflected in the most recent Profit and Loss Statement and NCSTA Balance Sheet, the Association has \$36,029.50 in checking accounts and \$140,049.65 in savings. We are currently operating at a loss. It is not unusual for the Association to be "in the red" at this point in the year, as revenue from gifts, donations and membership renewals are typically minimal in the spring. Our income usually increases prior to the PDI due to

fees collected from exhibitors, conference registrations, and memberships. As we will not host a PDI this year, these revenues will not be available to the Association.

The Business Manager has finalized refunds to exhibitors who registered and paid for booths prior to the COVID-19 related board decision to cancel the 2020 conference. NCSTA will be operating at a \$30,000.00+ loss for the first half of the year.

Essentially, we are operating with no measurable incoming revenue and can expect our losses to continue over the next two quarters.

Respectfully submitted,

Mary Ellen Durham

NCSTA Treasurer

Motion: MaryKate Holden moved to accept the Consent Agenda as presented with an editorial change indicating members absent from previous meeting, 2nd by Brian Whitson with unanimous passed.

4. Operations Report

a. Business Manager's Report (Joette Midgett)

- Financial Report sent by Joette through email
- Bills are being paid but no income right now due to no PDI
- Money in savings to weather the storm of COVID
- Refunds for exhibitors who had paid for conference \$3,000-3,500
- Projected loss is \$60,000

b. Conference Coordinator Report (Kay Swofford/Carol Maidon)

- Contracts to Carol to sign for 2021-2023
- Upcoming PDI dates
- November 4-5, 2021 in Winston-Salem, NC
- November 3-4, 2022 in Winston-Salem, NC
- November 2-3, 2023

5. Action Items (Carol Maidon)

a. By-Laws Amendment (A. McClung)

This committee met (changes are in RED)

Because of no PDI in November 2020, the Constitution/By-Laws Committee makes the motion below:

Motion:

The Constitution and Bylaws Committee moves that the following highlighted changes to

Articles IV, V, and X in the NCSTA Constitution and Bylaws be adopted.

PROPOSED BYLAWS CHANGES

Article IV

Member Meeting

Section 1: There shall be at least one membership meeting **that is the annual conference** of the Association each year at such place, date and time as shall be determined by the Board of Directors. The Board of Directors will establish registration fees for the annual meeting/**conference called the Professional Development Institute (PDI). Should there be a national or state emergency that the Board of Directors deems would have a negative impact on the conference's attendance, they may amend the date, postpone, or cancel the event.**

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Article V

Board of Directors

Section 5: A regular annual meeting of the Board shall be held in conjunction with the annual meeting/**conference** of members.

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Article X

Committees

Section 7: It shall be the duty of the Conference Planning Committee to coordinate all conference related activities, including:

(f) Selecting sites and negotiating for facilities for the Association's annual meeting/**conference**, coordinating the planning for this meeting and providing for transition and continuity from year to year, and

Ann McClung, Constitution and Bylaws

b. Annual Meeting for 2020 AdHoc Committee (Ann McClung)

- 1969-not thinking about Pandemic
- Certificates for Grant Winners
- MaryKate asks if voting will be done virtually; voting in the early fall
- Vote of membership requires an online vote
- 2 AdHoc Committees working to conduct a fall association meeting as well as award ceremony
- This will be held virtually November 2020
- Tentative Order of Events included in the motion

NCSTA Online Fall Annual Meeting and Awards Ceremony Planning Ideas

Committee Members: Kim Alix, Tomika Altman, Michelle Chadwick, Carol Maidon, Ann McClung, Brad Rhew, Sandra Weitzel, Alisa Wickliff, and Brad Woodard

Motion: The committee moves to hold the NCSTA Annual Meeting of the membership

along with an Awards ceremony virtually in November 2020. Motion passed.

Brief Overview

1. Public media announcements to general membership announcing the annual general membership meeting and NCSTA Award winners throughout Summer and Fall (monthly for June, July, August, and bi-weekly for September, October and November)
2. Awards and grants winners confirmed– August/September
3. Prepare plaques and certificates August/September
4. Mail materials to winners – Sept/October
5. Email request to winners for video of plaque/certificate presentations – Sept/October
6. Prepare materials for Annual Meeting and Awards Program – Use Zoom from UNCC
7. Tentative Order of Event
 - a. Welcome - Carol Maidon
 - b. Message from the Governor (Brad Rhew requesting Governor presentation)
 - c. Grant recognitions – Brad Rhew
 - d. Awards recognitions – Alisa Wickliff
 - e. Business meeting (review results of elections) and Passing the gavel – Carol Maidon
 - f. Hold a 10-minute Q&A session with the outgoing and incoming President (answer questions from either the chat box or people voicing in their questions)
 - g. Closing remarks and upcoming events advertising – Sandra Weitzel
8. Post Zoom recording on the NCSTA YouTube Channel (will need to be created) and NCSTA website.

Ann McClung – Chair

c. Social Justice Statement (Tomika Altman)

Motion presented below from the Multicultural Committee:

Motion: The Multicultural Committee moves acceptance of the following Anti-Racist and Social Justice Support Statement. (Motion passed)

“Prejudice is a burden that confuses the past, threatens the future, and renders the present inaccessible... We may encounter many defeats, but we must not be defeated.”
Maya Angelou

The NC Science Teachers Association (NCSTA) was formed in 1969 with the mission of promoting excellence in science teaching and learning in North Carolina. The purpose of

NCSTA shall be the advancement, stimulation, extension, improvement, and coordination of science teaching in all fields of science at all educational levels. Considering our mission and purpose and the fact that our organization was formed within the same decade as the Civil Rights Act we cannot be silent when members of our organization, students that we teach, the scientific community we support, and society as a whole are hurting.

We stand in solidarity with the African American/Black and Brown communities during these traumatic times. As science educators and leaders, we have a responsibility to the teachers and students we serve, and it is our responsibility to confront the inequities in our nation. These inequities have a direct impact on our students and science education. As science educators and leaders, it is our responsibility to not only model anti-racist practices, but to actively address institutional inequities in the educational setting and promote lasting changes so that all science education provides effective science instruction for all students.

As Dr. Don C. Sawyer III stated, "I see you, I hear you, You matter." Our members matter and the populations they serve matter. The National Science Teaching Association (NSTA) also has a powerful Statement on Social Justice and Science that we hope you will read.

- NCSTA Multicultural Committee, Tomika Alman, Chair

This passes unanimously.

NSTA has a linked statement on our website but we cannot adopt their statement. Brian Whitson thanks the board for a speedy response especially by the committee to address this during these times.

d. Adjustments Contract Employee (Carol Maidon)

*****Manley and Joette were excused from the meeting due to personnel discussion.*****

- **MOTION from Ad Hoc Committee on Contracted Employees made by Sandra Weitzel presented a motion to the committee: Negotiate with the Business Manager a modification in the Business Manager's contracted pay for the months of October, November and December that reflect the estimated 25% reduction in duties. Therefore, the monthly pay for those 3 months would be \$1,562.51 rather than \$2,083.34. This reduces payments that are associated with the PDI yet maintains compensation for other duties the Business Manager completes for the organization throughout the year. Brad seconded this motion, motion passed unanimously.**

Carol had spoken with Joette about this due to no PDI, this was a difficult decision. This motion passed.

Discussion Items (Carol Maidon)

Discussion regarding Kay Swafford Conference Coordinator Contract

- **MOTION from Ad Hoc Committee on Contracted Employees made by Sandra Weitzel to take to the board to furlough Kay for a six month period from June 30th through January 1, 2021. The use of phone allowance would be discontinued until January 1, 2021. Mike Tally seconded the motion. The motion passed unanimously.**

Key points of discussion...

- Furlough Kay from June 30th through January 1 start back no PDI, similar to years we have regional conference in Charlotte, no salary
- Kay only wanted 1 year contract, asking what she could help with in planning for 2021 PDI
- Sandra W. mentioned funds from the CARES Act due to COVID-19 where she could apply for furlough funds
- 3-month separation agreement in contract
- If she accepted the furlough, she would be paid for three months

Kay contacted Carol at the end of May and told her she preferred to step down. Her 3-month separation period that is in the contract would be June 1 to August 31. There will need to be a personnel committee formed which would include Joette in which we would work to hire a new Conference Coordinator which Carol had already appointed. Sandra Weitzel will chair the committee and Mary Ellen Durham, Brad Woodard, and Carol Maidon would be members of the committee.

******At this point Manley and Joette came back into the meeting******

6. Outreach Ad Hoc Committee (Mike Tally)

- Urgency with District Directors and School Systems as well as Science contacts about outreach in August for November Virtual Conference.
- You Tube Channel for NCSTA, Tom Savage is the contact person for this, playlist created for Elementary, Middle, High School links, make user-friendly and linked to District Directors
- Digital Tutorial Video for Students and Parents. Brian Whitson helped with this
- Screen Cast-o-matic created by District Directors to help with this
- Teachers post labs to be done at home (parent-child interaction in doing science safely)

7. District Directors Reports (by email)

Each District Director shared what was going on in his/her district in regards to science education. Board members were asked to read each report carefully. See Attachment at the end of the minutes.

8. Committee Reports

a. Standing Committees

i. Goals/Membership (Manley Midgett)

- By 1st of August have school district contact names, have conversations and outreach needs of teachers

- Manley will work with STEM Centers

ii. Nominations (Carrie Jones)

They were emailed out for the odd districts, treasurer, and president elect

iii. Publications (Brian Whitson)

- Email was sent out for information/bio and picture; within next weeks a soft opening (preview) to *The Reflector* newsletter that we are happy is being brought back.
- Brian thanks those that have gotten their bio and pics to him. He will advertise the grant opportunities in the newsletter

iv. Awards (Alissa W.)

Reports she has something from all districts except District 4

v. Grants (Brad Rhew)

- Joette promoted grant information via email, 2 have applied at this time.
- Open until Sept. 1st.
- Committee will meet to decide the winners
- Included and featured in Awards program in November
- Will follow up for them to present in 2021 their grant as a PDI session

vi. Non-Public Schools (Kim Alix)

- Offered to help with vendor booths for next PDI
- Reached out to Catholic Diocese to a few independent schools, their conference is held very close to ours

vii. Trust Fund (Manley Midgett)

- Contributions please send to Manley
- Balance as of 1-1-20 \$101,584.30

viii. NSELA

- May 5th they reviewed Governor Cooper's reports and will decide whether face-to-face or virtual meeting

Future Meetings of the Board

- August 1st More than likely virtual Web Ex format; meeting rooms must be at 50% capacity; that will not work for us at Meredith, need another location to meet if we can in face-face format.
- November 4th; Wednesday of the original PDI date, will not conflict with our Awards Ceremony but will not conflict with the Awards Ceremony

Meeting Adjourned a 9:37 p.m. with a motion from Cliff Hudson and second from Manlet Midgett.

Respectfully submitted by Brad Woodard, NCSTA Secretary

Attachment: District Directors Reports

District Number and Director: 1 – Cliff Hudson

Current and Upcoming Events: Downtown Market Event June 18th in Martin County. We have a booth set up for educational outreach through school district and NASA Solar System Ambassador program.

Places / Events Visited (networking opportunities): lots of virtual webinars and meetings

Contacts / Outreach Made: emails about resources and PD, also sent info about award nominations as well

PD Opportunities in District: August PD on science fair?? Not sure of this will happen I saw email about possibly going virtual with this.

Martin County Schools along with NC State Parks, NC Natural Science Museum and UNC Institute for the environment submitted a NSF grant in February to provide PD and funding for 6-12 grade teachers in North East NC for Geoscience education for underserved populations.

Student Opportunities: Downtown Market event demo and activities on rockets. Science Fair back in late February went really well with some amazing projects. Of course state event was canceled due to Covid-19

District Number and Director: 2 Michelle Chadwick

Current and Upcoming Events: Planning for the upcoming year (County plans for reopening) and revising curriculum resources for K-12 for the new plans.

Places / Events Visited (networking opportunities): No face to face, virtual meetings with communities partners and planning for next year

Teacher Opportunities:

Virtual teacher workshops in scientific research. The workshops are designed to support teachers that are interested in supporting students in exploring their interest in scientific research and/or engineering design.

All workshops will be free and hosted via the Zoom platform, which means you will be able to join us from wherever you are in NC. Participants who attend all 6 workshops and submit all corresponding work will be awarded a certificate for 1 CEU.

The workshops are scheduled for Tuesdays in July between 3-5 PM with a short break between sessions:

Tuesday, July 7	3:00-3:50PM	Introduction to Student Research
Tuesday, July 7	4:00-4:50PM	Scientific Inquiry
Tuesday, July 14	3:00-3:50PM	Engineering Design
Tuesday, July 14	4:00-4:50PM	Developing a Research Question
Tuesday, July 21	3:00-3:50PM	Creating a Research Plan and Safety Requirements
Tuesday, July 21	4:00-4:50PM	Stories from Students and the Journey from Plans to Presentations

Register to participate by completing this [Google Form](#). Links to sessions will be provided via email for registered participants.

If you have any questions, please reach out to Theresa Gibson at execdirector@ncsciencefair.org or Judy Day at director@ncsciencefair.org.

Workshop details and registration can be accessed at any time at <http://ncsef.org/index.php/teachers/workshops>.

2. The NC Museum of Natural Sciences Teacher Education team is excited to announce **new topics** (*Under a Rotten Log* and *Trees to Meet You*) in our online workshop series that is designed to help you to explore the natural world right in your own backyard.

Our professional development mini-workshops are totally free and online. Each session includes a short introductory video and follow-up assignments to get outdoors and explore your "nature neighborhood!" You can do them at your own pace, as all the resources and materials are available on an ongoing basis. https://docs.google.com/spreadsheets/d/1qe_eZ-pu-25tHAbCiCbo6tbl76YekmZRSqW-cQNymMw/edit#gid=0

Student Opportunities:

Online learning & Hands-on Fun with UNCW MarineQuest and Engineering Expectations
 Calling all **Ocean Voyagers!** Come set sail with *UNCW MarineQuest* for a weeklong journey as we discover the world of marine science. Our expeditions will include stops in the five fields of marine science- marine chemistry, marine geology, marine biology, physical oceanography, and marine technology! Together we will explore what makes ocean water unique, where the shifting sands on our planet come from, why ocean animals make their homes in different marine habitats, and venture into the deepest parts of the sea. Each day will feature a real-life marine scientist as well as interactive virtual experiences and hands-on activities to complete at home. Come aboard, from the comfort of your home port, and join us for a memorable adventure!

For ages 7- 9 and 10 -13, MarineQuest is offering a fun exploration of the five fields of marine science with Ocean Voyagers

A typical DAY at Ocean Voyagers:

- Morning, mid-day, and afternoon live Zoom* sessions (accessed through UNCW's secure Canvas site) featuring group activities hosted by our MarineQuest educators. These will be interspersed with hands-on activities that campers complete at home utilizing a STEM kit that MarineQuest provides for you.

Highlights:

- Investigate the properties of salt and freshwater-Get messy with our water stacking challenge!
- Create a miniature ocean in a bottle and study waves.
- Discover how blue whales feed and see if you can eat as much
- Build and operate a simple submarine
- Receive a hands-on STEM activity kit to engage in learning at home

To register or for more information including dates and pricing, please visit <https://uncw.edu/marinequest/summerenrichment/mqonlinesummerprograms.html>

For teens ages 14-17, MarineQuest is offering a two-week program focused on marine scientific research methods and career exploration.

Think you want to be a marine biologist? How about an oceanographer? Maybe you prefer marine geologist? You can explore these marine scientific career options and more during our two-week **O.C.E.A.N.S. Online** program. This unique summer enrichment program for high school age students consists of virtual interactive lessons, group collaborative work, and at home hands-on experiments to immerse you in the world of marine science. You'll be amazed by the career options marine science has for you.

A typical DAY at O.C.E.A.N.S. on-line will include:

- A morning AND afternoon 1.5-2-hour live Zoom meetings with our dedicated MarineQuest educators and professional marine scientists from UNCW's Center for Marine Science.
- 2 hours of at home experiments and activities to get you hands-on and engaged in relevant marine science research.

Highlights:

- Prior to the start of the program each student will receive a kit filled with the majority of materials necessary to carry-out each activity. You will be notified before the start of camp of any additional common household items you will need.
- Hands-on exposure to the main fields of Marine Science including marine biology, marine geology, marine chemistry, physical oceanography, marine technology, marine ecology, and biotechnology.
- Design and carryout your own plankton study with phytoplankton and zooplankton you will grow at home and present your research findings at a virtual science conference!
- Build your own paper Foldscope to magnify specimens and samples 140X.
- Go on virtual field trips to collect and analyze data at the beach, marsh, and out on an oceanographic research cruise.
- Meet and engage with UNCW faculty and scientists to learn about their research contributions to the field of marine science.
- Collaborate with other students remotely to carry out experiments, discuss findings, and create a poster to be presented on the final celebratory day of the course.
- Utilize the online learning platform used by UNCW college students.

To register or for more information including dates and pricing , please visit <https://uncw.edu/marinequest/summerenrichment/mqonlinesummerprograms.html>

UNCW Engineering Expectations Program is offering **Engineering Explorations Online (Younger 7-9) & (Older 10 -13)**

What words come to mind when you think of engineering? STEM, artificial intelligence, renewable energy, suspension bridges, self-driving cars, or maybe your mind draws a blank. Are you curious about what an engineer does or maybe you enjoy hands on activities that make you think outside of the box? The NEW Engineering Explorations online summer program will breakdown the main fields of engineering with interactive virtual lessons, daily design challenges, and personal conversations with professional engineers. Disciplines to be covered include mechanical, environmental, civil, electrical, and aerospace. By the end of the week, students will have developed the engineering habits of mind and sharpened their problem solving skills.

*Students will be provided a STEM kit valued at \$30 and received a camp T-shirt

A typical **day** at Engineering Explorations Online:

- 3 hours of morning AND afternoon interactive virtual instruction facilitated live via Zoom by our dedicated Engineering Expectations educators.
- Up to 1.5 hours of at home, hands-on design challenges that are related to real-world engineering projects
- On demand assistance from instructors during offline projects
- Meet and engage with professional engineers

Highlights:

- Prior to the start of the program each student will receive a kit filled with the majority of materials necessary to carry-out each activity. You will be notified before the start of camp of any additional common household items you will need. Supplement instructions will be provide for assistance with independent activities.
- Hands on exposure to the main disciplines of engineering including mechanical, environmental, civil, electrical, and aerospace
- Learn about concepts such as the forces of flight, simple machines, and alternative energy
- Meet and engage with professional engineers
- Utilize the online learning platform used by UNCW college students

To register or for more information including dates and pricing, please visit <https://uncw.edu/engineeringexpectations/summerenrichment/eonlinesummerprograms.html>

UNCW Engineering Expectations Program is offering **Playing With Python Online (Younger 10-13) & (Older 14-17)**

Are you looking to develop your programming skills? Join us this summer as we explore the fundamentals of an in-demand coding language in our Playing with Python online summer program! No previous coding experience is required as you will start with the basics of project-oriented programming with Python. Hands-on activities include coding functions to draw shapes, manipulating data structures, and designing interactive games. On the final day of camp, there will be a project showcase for parents.

*This course covers, at an accelerated pace, up to two-thirds of the curriculum that is covered in a college level introductory programming course. Students will receive a camp T-shirt.

A typical **day** at Playing with Python Online:

- 4 hours of morning AND afternoon interactive virtual instruction facilitated live via Zoom by our dedicated Engineering Expectations educators.
- Up to 2 hours of at home, programming activities with access to instructors for support
- Meet and engage with UNCW Computer Science Faculty and professional computer scientist

Highlights:

- Prior to the start of the program each student will receive information regarding how to install software and access the online learning platform
- Learn about fundamentals such as data manipulation, creating functions, designing interactive graphics in an engaging and guided environment
- Make an colorful animated graphic using loop functions
- Meet and engage with UNCW Computer Science Faculty and professional computer scientist
- Utilize the online learning platform used by UNCW college students

To register or for more information including dates and pricing, please visit <https://uncw.edu/engineeringexpectations/summerenrichment/eonlinesummerprograms.html>

District 3 – Evelyn Baldwin – NO REPORT

District 4 – Adrienne Evans – NO REPORT

DISTRICT V REPORT – MaryKate Holden

Current and Upcoming Events: none

Places / Events Visited (networking opportunities): none

Contacts / Outreach Made: Posted Introduction Video on Facebook page, emailed LEA contacts for award nominations (a few names forwarded to Alyssa), posted NCSTA Call For Awards, Call for Grant Applications, and Summer PD opportunities on Facebook page

PD Opportunities in District: none

Student Opportunities: none

District Number and Director: Tim Guilfoyle – District 6

Current and Upcoming Events:

None to mention

Places / Events Visited (networking opportunities):

Regional Science Fair – February 22

North Carolina Student Academy of Science Competition – February 27

Regional Science Olympiad – March 7

Junior Science and Humanities Symposium (virtual) – March 30, 31 and April 2

Contacts / Outreach Made:

Contacted ALL district 6 science coordinators, superintendents etc from the spreadsheet provided by Manley Midgett for the NCSTA teaching awards

PD Opportunities in District:

All canceled

Student Opportunities:

Virtual STEM Camp through CPCC

District 7 – Molly Barlow – NO REPORT

District Number and Director: 8 Tom Savage

Current and Upcoming Events:

At the moment nothing scheduled due to StayAtHome

Places / Events Visited (networking opportunities):

Contacts / Outreach Made:

Michelle Benigno ~ Collecting possible online activities to post in Summer Newsletter (June)

Carol Moore ~ STEM West, Contacted in hope to work with her organization, possible summer camp STEM program

Kieth Bamburgher ~ NC Air Quality, collecting matterial for newsletter/outreach opportunities. Online lessons to post in Newsletter.

PD Opportunities in District:

** All in person PD originally planned, such as “Drive In” at the Gem & Lapidary museum in Hendersonville, & “ Teaching chemistry for beginners “has been shelved

At the moment, I really do not have anything planned. A very challenging time.

Student Opportunities:

** Same as above

** In summary, the development of the YouTube channel has been my priority during this time. I filmed 3 videos for the youtube channel is ready to go live, and announce it in the Summer Newsletter I am going to send out this or next week **



NCSTA Treasurer's Report for August 2020

As of July 22, 2020, the North Carolina Science Teachers Association had \$33,235.22 in checking and \$140,091.02 in savings accounts. Excluding the Trust Fund, the Association's total financial holdings on this date equaled \$173,326.24. Operating expenses for the organization continue to be paid, totaling \$33,324.68 for the period spanning from January 1 to July 22, 2020.

Respectfully Submitted,
Mary Ellen Durham