



The South Carolina Academy of Science

Web: <http://scacademysci.org>

PRESIDENT— April Heyward
SC EPSCoR Program Manager
South Carolina Research Authority
100 Catawba St. Columbia, SC 29201
Phone: (803) 733-9068 Email: April.Heyward@scra.org

IMMEDIATE PAST PRESIDENT – Michele Harmon
Professor of Biology
USC Aiken
471 University Parkway, Aiken, SC 29801
Phone: (803) 641-3607, Email: micheleh@usca.edu

PAST PRESIDENT – Jeff Steinmetz
Professor of Biology
Francis Marion University
PO Box 100547, Florence, SC 29502
Phone: (843) 661-1404, Email: jsteinmetz@fmarion.edu

VICE PRESIDENT – Carole Oskeritzian
Associate Professor of Pathology, Microbiology & Immunology
University of South Carolina School of Medicine
6439 Garners Ferry Road, Columbia, SC 29209
Phone: 803 216 3462 Email: carole.oskeritzian@uscmed.sc.edu

SECRETARY – Christine Byrum
Associate Professor of Biology
College of Charleston
Charleston, SC 29424
Phone (843) 953-7176; Email: ByrumC@cofc.edu

SCAS TREASURER – Marlee Marsh
Associate Professor of Biology
Columbia College
1301 Columbia College Drive
Columbia SC 29203 Email: mmarsh@ColumbiaSC.edu

SCJAS Executive Director - John Kaup
Director of Science Education
Furman University
Phone: (864) 294-3773, Email: john.kaup@furman.edu

NEWSLETTER EDITOR – Bob Wolff
South University, Columbia
9 Science Ct., Columbia SC 29203
Phone: (803) 935-4345, Email: bwolff@southuniversity.edu

AAAS/NAAS REPRESENTATIVE AND MESAS DIRECTOR -
Don Jordan
USC Columbia/ Director-MESAS
CAS / Science Education Center / c/o Biology Dept
Coker Life Science, CLS 108, Columbia, SC 29208
Phone: (803) 777-7007, Email: djordan@sc.edu

BULLETIN/PROGRAM EDITOR - David Ferris
USC Upstate
Div. of Natural Science & Engineering
800 University Way, Spartanburg SC 29202
Phone: (864) 503-5685, Email: dferris@uscupstate.edu

ELECTRONIC JOURNAL – Michele Harmon
Professor of Biology
USC Aiken
471 University Parkway, Aiken, SC 29801
Phone: (803) 641-3607, Email: micheleh@usca.edu

SCAS Archivist – Graham Duncan
Curator of Manuscripts, "South Caroliniana Library", UofSC
Phone: (803) 777 2826, Email: DUNCANG@mailbox.sc.edu

COUNCILORS:
Michele Harmon, USC Aiken, 2025
John Guy, Savannah River Site, 2025
Ana Oprisan, College of Charleston, 2025
Zhabiz Golkar, Voorhees University, 2022
April Heyward, SCRA 2025
Kevin Gray, MUSC, 2025
Marlee Marsh, Columbia College, 2023
Eran Kilpatrick, USC Salkehatchie, 2023
Breanne Swart, The Citadel, 2023
Brittany Baker, Francis Marion University, 2024
Christine Byrum, College of Charleston, 2024
Carole Oskeritzian, USC School of Medicine, 2024
Bill Pirkle, USC-Aiken, emeritus
David Stroup, Francis Marion, emeritus
Tom Reeves, USC, emeritus

COMMITTEES:
Governor's Awards, Michele Harmon/Carole Oskeritzian
Undergrad Research, Eran Kilpatrick, Kevin McWilliams
Patron Membership
Necrology, Pearl Fernandes
Membership, Don Jordan (interim)
State Science Fair Coordinator Don Jordan (interim)
Electronic Journal, Michele Harmon
High School Research Awards – John Kaup/ Brian Dominy/
Bill Wabbersen
High School Teacher of the Year – Zhabiz Golkar, Eran
Kilpatrick, Don Jordan,
Website – Jeff Pike

Wednesday, September 20, 2023

**Ref: SC Metric Week October 8 – 14, 2023, Governor McMasters
Metric Proclamation with opportunities for Students & Teachers**

Dear District Leaders and/or Math & Science Coordinators: **[PLEASE
SHARE]**

Celebrating **Metric Week in South Carolina 2023 (October 8-14)** is an especially important opportunity for K-12 students and teachers. An announcement at your school and/or school district and encouragement of metric system activities during and after Metric Week would be appreciated. Please forward it to your teachers of science, math, or technology.

Some easy-to-use ideas on celebrating Metric Week are available online at: www.artsandsciences.sc.edu/cse (Select Other than Metric Week or <http://scacademysci.org> or just type "South Carolina Academy of Science" (click on other then pick Metric Week)

We want you to know the opportunities offered to Teachers and Students by the National Institute of Science & Technology (NIST) Metric Program. **Discover NIST Education Resources**. Also, United States Metric Association (USMA) Site usma.org is a good site for information. Have your students take the T/F quiz at usma.org. If 80% or better, we consider that sufficient. Here is one more useful site from SCETV: <https://scetv.pbslearningmedia.org/subjects/science/instrumentation-measurement-and-units/units-of-measurement/>

As you know companies, which will eventually employ many of our students, are gradually producing products to metric system standards. This means that the jobs of tomorrow will require employees to be able to use metric units.

The U.S. is 50% metric. We are using a hybrid measuring system: (Metric & Customary)

See the following items attached to this email:

(1) Cover Letter, (2) SC 2023 Metric Proclamation, (3) National Institute of Standards & Technology (NIST) (**Opportunity for teachers & students**) and (4) Article by Don Jordan on key facts about the metric systems and how to teach metric to students. Also, Documents (1) – (4) attached as a single doc.

Other Documents that can be found on www.artsandsciences.sc.edu/cse include:

The following Web only

(5) The Scale of Things (metric and Nanotechnology)
(6) Metric Test for upper Elementary and Middle School Students 2022

Continued next page



The South Carolina Academy of Science

Web: <http://scademvsci.org>

PRESIDENT— April Heyward

SC EPSCoR Program Manager
South Carolina Research Authority
100 Catawba St. Columbia, SC 29201
Phone: (803) 733-9068 Email: April.Heyward@scra.org

IMMEDIATE PAST PRESIDENT – Michele Harmon

Professor of Biology
USC Aiken
471 University Parkway, Aiken, SC 29801
Phone: (803) 641-3607, Email: micheleh@usca.edu

PAST PRESIDENT – Jeff Steinmetz

Professor of Biology
Francis Marion University
PO Box 100547, Florence, SC 29502
Phone: (843) 661-1404, Email: jsteinmetz@fmarion.edu

VICE PRESIDENT – Carole Oskeritzian

Associate Professor of Pathology, Microbiology & Immunology
University of South Carolina School of Medicine
6439 Garners Ferry Road, Columbia, SC 29209
Phone: 803 216 3462 Email: carole.oskeritzian@uscmed.sc.edu

SECRETARY – Christine Byrum

Associate Professor of Biology
College of Charleston
Charleston, SC 29424
Phone (843) 953-7176; Email: ByrumC@cofc.edu

SCAS TREASURER – Marlee Marsh

Associate Professor of Biology
Columbia College
1301 Columbia College Drive
Columbia SC 29203 Email: mmarsh@ColumbiaSC.edu

SCJAS Executive Director - John Kaup

Director of Science Education
Furman University
Phone: (864) 294-3773, Email: john.kaup@furman.edu

NEWSLETTER EDITOR – Bob Wolff

South University, Columbia
9 Science Ct., Columbia SC 29203
Phone: (803) 935-4345, Email: bwolff@southuniversity.edu

AAAS/NAAS REPRESENTATIVE AND MESAS DIRECTOR - Don Jordan

USC Columbia/ Director-MESAS
CAS / Science Education Center / c/o Biology Dept
Coker Life Science, CLS 108, Columbia, SC 29208
Phone: (803) 777-7007, Email: djordan@sc.edu

BULLETIN/PROGRAM EDITOR - David Ferris

USC Upstate
Div. of Natural Science & Engineering
800 University Way, Spartanburg SC 29202
Phone: (864) 503-5685, Email: dkferris@uscupstate.edu

ELECTRONIC JOURNAL – Michele Harmon

Professor of Biology
USC Aiken
471 University Parkway, Aiken, SC 29801
Phone: (803) 641-3607, Email: micheleh@usca.edu

SCAS Archivist – Graham Duncan

Curator of Manuscripts, "South Caroliniana Library", UofSC
Phone: (803) 777 2826, Email: DUNCANG@mailbox.sc.edu

COUNCILORS:

Michele Harmon, USC Aiken, 2025
John Guy, Savannah River Site, 2025
Ana Oprisan, College of Charleston, 2025
Zhabiz Golkar, Voorhees University, 2022
April Heyward, SCRA 2025
Kevin Gray, MUSC, 2025
Marlee Marsh, Columbia College, 2023
Eran Kilpatrick, USC Salkehatchie, 2023
Breanne Swart, The Citadel, 2023
Brittany Baker, Francis Marion University, 2024
Christine Byrum, College of Charleston, 2024
Carole Oskeritzian, USC School of Medicine, 2024
Bill Pirkle, USC-Aiken, emeritus
David Stroup, Francis Marion, emeritus
Tom Reeves, USC, emeritus

COMMITTEES:

Governor's Awards, Michele Harmon/Carole Oskeritzian
Undergrad Research, Eran Kilpatrick, Kevin McWilliams
Patron Membership
Necrology, Pearl Fernandes
Membership, Don Jordan (interim)
State Science Fair Coordinator Don Jordan (interim)
Electronic Journal, Michele Harmon
High School Research Awards – John Kaup/ Brian Dominy/
Bill Wabbersen
High School Teacher of the Year – Zhabiz Golkar, Eran
Kilpatrick, Don Jordan,
Website – Jeff Pike

Continued from page 1

- (7) Correct usage of Metric Symbols
- (8) Metric True/False Test updated for 2022
- (9) Advantages of Teaching the Metric System pages = 8 2022
- (10) Example of a Wall Chart: Let your students design one for your School.
- (11) Questions that Challenge. Grades six and above.
- (12) Answer Key to questions that Challenge Grades six and above
- (13) SI Metric Prefixes and how to pronounce.
- (14) What is the Area of Your Skin in cm² (Great Activity for Students)
- (15) Printable 100 cm Measuring Tape
- (16) Instruction on How to make a Decimeter Cube or Liter Box Page 1
- (17) Instruction on How to make a Decimeter Cube or Liter Box Page 2
- (18) Template to use in the Construction of a Lite Box Page 1
- (19) Template to use in the Construction of a Lite Box Page 2 Need both templates 1 & 2
- (20) Metric activities for student's pages = 2

The South Carolina Metric Proclamation is distributed to all public and private schools in South Carolina and is recommended and approved by the South Carolina Academy of Science (SCAS), coordinated with the Office of Metric Programs at the National Institute of Standards & Technology (NIST), part of the U.S Department of Commerce and the Center for Science Education at USC. Special thanks go to **Governor Henry McMaster** for his support of this worthwhile endeavor.

Sincerely,

Don Jordan, (R) USC, Center for Science Education (Math Specialist)
Attachments: (1) Cover Letter; (2) Metric Proclamation 2023(printable version).

- (3) National Institute of Standards & Technology (NIST) (Opportunity for teachers & students)
- (4) Article by Don Jordan on key facts about the metric systems and how to teach metric to students.

Other documents (5) – (20) on website www.artsandsciences.sc.edu/cse