
The Minnesota Chemist



Chair's Corner

Greetings and well wishes! Fall is upon us in Minnesota. I hope you all remain safe and healthy during this time. The MN ACS local section continues to provide excellent activities and community for chemists. Please be sure to seek out myself or anyone leading efforts from the MN Anti-racism group, the education chair Chuck Handlon, or the senior chemists to name just a few! Finally, be sure to register and join the local section in honoring the Brasted Award for Excellence in College Teaching Professor Jane Wissinger from the U of MN for her talk on October 27 at 7:30 PM via [Zoom](#).



Best,
Michael Wentzel



2021 Brasted Award Ceremenoy - Excellence in College Teaching-Professor Jane Wissinger

Description: The Brasted award is given to an individual who excels in instruction, supervising, innovative course work and exceptional teaching at the college level chemistry courses and laboratory instructions. This year's award goes to Dr. Jane Wissinger of University of Minnesota. Dr. Wissinger received her Ph.D. from Northwestern University in Organic Chemistry in 1987. Currently Dr. Wissinger is a Professor and Organic Chemistry Laboratory Director at the University of Minnesota. Her research focuses on the development of organic chemistry laboratory experiments that exemplify

modern green chemistry methodology and guided-inquiry pedagogy. She is also an instructor of the sophomore level Organic Laboratory Course (1100 students per year) and she is an author of the course manual, her responsibilities include course curriculum, training and management of ca. 70 TAs per year, lectures, and development of new experiments. She is a Senior Investigator in NSF CCI Center for Sustainable Polymers. She is involved in development, dissemination, and implementation of novel sustainable polymer experiments for the college and high school curriculum. Dr. Wissinger also teaches senior level Green Chemistry Lecture Course and organic chemistry lecture courses along with being a Supervisor of Head Organic TA and Organic Chemistry Adjunct Faculty. MN ACS is very enthusiastic in bestowing her with this prestigious award which comes with a plaque and a \$500 honorarium.

When: October 27th, 07:30 PM

Location: Zoom link sent after registration

Registration: [Click Here](#)

Chemistry Job and Recruiting Fair

The Chemistry Job and Recruiting Fair will be held from 4:00 – 6:00 P.M. on **Wednesday, November 3rd, 2021** at **Saint Catherine University** in Saint Paul, MN, in the 3rd floor Ballroom of the Coeur de Catherine Building. Maps can be found [here](#).

Past companies and organizations that have attended the career fair include*:

[Aerotek](#), [Aspen Research](#), [Apex Life Sciences](#), [Experis](#), [H.B. Fuller](#), [Kelly Scientific](#), [Medtronic](#), [Medtox Laboratories](#), [Pace Analytical](#), [Land O'Lakes](#), [WuXi AppTec](#), [Minnesota High Tech Forum](#), [Nuclear Propulsion Officer Candidate Program](#), [University of MN Department of Chemistry](#), [University of MN Department of Medicinal Chemistry](#), [University of MN Environmental Health Sciences](#), [University of MN M.S. in Patent Law](#), [Volt Technical Services](#) and [3M](#).

Schedule:

4:00 - 6:00 pm meet with recruiters

5:00 pm beverages and light snacks will be served

This event is an opportunity to meet with technical recruiters from the Twin Cities area and is open to professionals and students from chemistry and related fields. Sophomore and junior chemistry majors are also encouraged to attend to inquire about internships. Please **RSVP to James Wollack** (jwwollack@stkate.edu) by October 27th so there will be an accurate head count for food. If traveling in a group include how many people will be coming from your group. Masks will be required indoors on campus.

***A list of confirmed companies will be available in late October. Check the MN ACS [web page](#) at this time.**



Updates from the Local MN ACS Section

Opportunities for Shaping the Future of Chemistry

By Chuck Wheeler Handlon, MN ACS Education Chair,

As the air gets cooler and the days get shorter, we are moving into the fall season. This is a time of change. But the more things change, the more they seem to stay the same. We have been through a long winter of pandemic. Will this be another one? We do know that currently most schools and colleges are attempting to hold classes in person.

I would like to encourage all members of the ACS to consider engaging with teachers and students at all levels to promote chemistry STEM careers and provide the expertise and knowledge of the applications of chemistry in many science and engineering fields.

There is a web program that can facilitate volunteering. Called, [Future Forward](#), it is a free tool which is being utilized to connect industry and business professionals with educators and students. Future Forward was recently rolled out to over fifty private and public schools of southeast Minnesota including Rochester. I encourage ACS members and their companies to visit Future Forward and to consider creating a profile. I will highlight more about this tool in a later issue of the Minnesota Chemist. Please contact me via [email](#) if you would like more information.

Another way to become involved is to consider being a “Science Coach”. Science Coaches are chemistry professionals that are paired with a teacher (K-12) and establish a relationship over the school year. Teachers and coaches have at least six meetings. The coach can assist the teacher in a number of ways including professional expertise on applications of chemistry, lab activities (teachers receive \$ 550 for supplies) or helping the teacher understand difficult chemical concepts. If you know of a teacher who is a member of AACT and wants to be paired with you, apply together. Otherwise you may apply to be a coach and will be paired with a teacher. The deadline for applications is September 1st and participants will be notified by October 1st. If you are a chemistry professional (academic or any other capacity) check [here](#) to Apply to be a coach.

Open Positions

Wanted, Minnesota chemists ready to contribute to the 2022 ACS Local Section in the following roles: Councilor, Chair-Elect, and Secretary; please see the detailed job descriptions below. If you are interested, please email [Sarah Dimick Gray](#) ASAP. Many of our meetings have moved online—which means the evening driving has decreased significantly!

Councilor (two year term)

Councilor Responsibilities:

Your primary responsibility is to represent your constituency in decisions that impact the Society, the members, and the chemical profession.

In addition, you should:

- Attend Council Meetings
- Attend a District Councilor or the Division Councilor Caucus
- Report from Council Meetings to Local Section/Division
- Participate in Council committees
- Attend Minnesota Executive Committee meetings and assist in helping run local section activities.

Chair Elect (becomes Chair the next year)

Chair-Elect Responsibilities:

In nearly all sections, the chair-elect serves as program chair and has the principal responsibility for planning and arranging the section's meeting programs for the year during which he or she will be chair. In addition, the chair-elect often serves as the primary speaker planner for the section and has access to the [ACS Online Speaker Directory](#). In addition to program planning, the section chair-elect may have other duties, as assigned by the chair and executive committee. Also, the chair-elect is invited each year to attend the ACS Leadership Institute. The three-day conference provides training as well as ideas about programs and activities for new section officers.

Secretary

Secretary Responsibilities:

The section secretary has a broad range of responsibilities, among the most essential being those of maintaining the membership list and other section records. The secretary can download the section's membership roster from the ACS website, which includes a complete alphabetical list of members' names and addresses as well as separate addenda pages detailing address changes, new members, and other section roster amendments to the previous edition.

On or before **December 1st** of each year, the section secretary must certify to the ACS Executive Director the names and terms of office of all section councilors and alternate councilors [ACS Bylaw III, Section 1 (a-4 and e-2)]. This certification is required for both newly elected councilors and alternates and those continuing to serve unexpired terms. The **December 1st** deadline is necessary to ensure that the complete list of councilors is available for consideration by the incoming ACS president in making committee appointments. The committee selection process is conducted in mid-December, and only certified councilors are eligible for appointment to Council committees. A section that delays its report may be deprived of the recognition that comes from such an appointment, and a committee may lose a member who could offer much to the Society and to the profession.

To assist the president in making Council committee appointments, forms for certification and information on how to submit biographies are sent in October to each local section secretary. The secretary should return the completed certification forms to the national office, and facilitate the submission of biographies. All newly-elected councilors should email their completed biography to the national office. Re-elected and continuing councilors should be reminded to review and update their biographical information in the [Yellow Book](#). The ACS Records Office can supply additional forms or information upon request. (see Governance tab)

The section secretary is also charged with certifying the credentials of alternate councilors and/or temporary substitute councilors chosen to represent the section at ACS Council meetings in the absence of the elected councilor(s). Detailed instructions on the procedures for this certification are sent with the Council agenda to section secretaries approximately six weeks prior to each Council meeting.

As soon as possible after section elections, the secretary should notify the ACS Executive Director of newly elected local section officers and committee chairs appointments. Prompt reporting of the names and addresses of these individuals ensures that all official correspondence and other communications from the national office staff are directed to the proper local section personnel.

Each local section possesses documents of permanent importance. The charter and list of original members, and historic documents with increasing value, should be properly labeled and preserved with care. In addition, the set of local section bylaws bearing the signed stamp of the ACS Secretary, i.e., the official approved bylaws, should be maintained in a readily retrievable file. These duties, in the case of many sections, should be added to those of the elected secretary. Larger sections, which have relatively larger collections of records, are urged to appoint archivists to assist in maintaining and preserving the units' documents in a logical, methodical manner.

The secretary is depended upon for other aspects of section administration as well,

including recording and maintaining a complete file of minutes of all general membership and executive committee meetings, and writing regular section correspondence. In smaller sections, the secretary may be responsible for mailing meeting notices, preparing and distributing the section's newsletter, and compiling the section's annual report.

Since many sections traditionally elect secretaries for several consecutive terms, this office provides continuity within the section and between the section and the ACS national office. For this reason, the secretary usually receives a copy of all official correspondence directed by the ACS national office to the section. Secretaries should be sure that copies of all correspondence are directed to appropriate officers and committee chairs.

Virtual national council meeting update: August 25th 2021

Council Special Discussion

President Cheng introduced and led a special discussion on ideas to increase involvement and membership from business and industry. For the last 5 years there has been a steady decrease in industry members. This can be attributed to a variety of factors, but there have been ongoing efforts to decrease the cost-related attrition while increasing member value. To address value, ACS has a variety of offerings available to members to advance, discover, connect, and share. To address cost, actions were taken by the Council this past spring in the schedule of membership for 2022 that will provide industry members with flexibility as to membership options. Councilor input was then requested on the following two questions: 1. How can we improve the value that ACS provides to its industrial and business members? 2. How can we encourage academic inventors and entrepreneurs and support start-ups?

Budget and Finance

The Society's 2021 financial performance through June 30 yielded a Net Surplus from Operations of \$55.0 million, which is \$33.6 million favorable to budget and almost \$6 million greater than the same period in 2020.

Nominations and Elections

The Committee on Nominations and Elections solicits Councilors' input regarding qualified individuals for President-Elect and/or Directors for future consideration. Suggestions may be sent to nomelect@acs.org.

Meetings & Expositions

The Fall 2021 Meeting was held live from August 22-26, and on-demand from August 30 – September 30. As of August 25th, there were 8,205 registrations (1,895 hybrid and 6,310 virtual). Of the approximately 1,200 oral sessions held, 71 were only in-person, 244 were hybrid, and 855 were held virtually.

Councilor Talking Points and Summary of Governance Issues and Actions American Chemical Society

- The Board approved the ACS 2022 Spring and Fall Meetings in-person/hybrid member registration fee at \$399 and the virtual member registration fee at \$199.

More information can be found in [this document](#).



Summaries of 2021 Science Fairs supported by MN-ACS

Submitted by Wayne Wolsey, Liaison between MN-ACS and MAS

For Calendar Year 2022, the rotation schedule for MN-ACS Undergraduate Student Travel Supplement Awards of \$500 turns to University of Minnesota-Twin Cities, Carleton College, Metro State University, and St. Cloud State University as recipients of these grants. Word had been sent to the Department Chair or other senior member of these departments.

In a previous report on Science Fairs and the like, no mention was made about the 2021 Winchell Science Symposium for College Students. This event was also done virtually at the end of Spring Semester and showed a significant decrease in student participation. Only about half-a-dozen chemistry/biochemistry student registration fees were paid this year. The Director of the Minnesota Academy of Science reported that there were similar decreases from other science disciplines, but that the MAS Board wants to see the Winchell continued for at least another year. They wish to see a return for 2022 to live person presentations and to have it hosted by a Twin Cities Liberal Arts Institution. An announcement should be forthcoming soon.



2021 MN ACS Awards

2021 Janet Tarino Volunteer Award: The Janet Tarino Volunteer Award is given to an individual for outstanding volunteer service to Minnesota ACS, and/or chemistry related projects and events not directly connected to Minnesota ACS. This year's award goes to **Dr. Robert Kinney**. Dr. Kinney received his Ph.D. from California Institute of Technology in Organic Chemistry in 1978 and worked for 3M Corporation for 30+ years before retiring in 2009. Robert is an outstanding tutor of young learners. He dedicated hundreds of hours over 10+ years to Lakeville South students: -"coaching" students for the local and national chemistry Olympiad contests and tutoring students in college chemistry courses. He was a go to person for one-on-one tutoring via zoom during challenging pandemic times and helping struggling students "catch up" with a course work during the height of COVID spread. Robert lives in Woodbury and makes the drive almost weekly to Lakeville South High School (about 40 - 45 minutes drive) to coach students who will have

questions about the chemistry class and homework etc. Please join me in congratulating Dr. Kinney for this well deserved recognition.

2021 Brasted Award Excellence in College Teaching: The Brasted award is given to an individual who excels in instruction, supervising, innovative course work and exceptional teaching at the college level chemistry courses and laboratory instructions. This year's award goes to Dr. Jane Wissinger of University of Minnesota. Dr. Wissinger received her Ph.D. from Northwestern University in Organic Chemistry in 1987. Currently Dr. Wissinger is a Professor and Organic Chemistry Laboratory Director at the University of Minnesota. Her research focuses on the development of organic chemistry laboratory experiments that exemplify modern **green chemistry** methodology and **guided-inquiry** pedagogy. She is also an instructor of the sophomore level Organic Laboratory Course (1100 students per year) and she is an author of the course manual, her responsibilities include course curriculum, training and management of ca. 70 TAs per year, lectures, and development of new experiments. She is a Senior Investigator in NSF CCI Center for Sustainable Polymers. She is involved in development, dissemination, and implementation of novel sustainable polymer experiments for the college and high school curriculum. Dr. Wissinger also teaches senior level Green Chemistry Lecture Course and organic chemistry lecture courses along with being a Supervisor of Head Organic TA and Organic Chemistry Adjunct Faculty. MN ACS is very enthusiastic in bestowing her with this prestigious award which comes with a plaque and a \$500 honorarium.

2021 The Lyle Hall Senior Chemist Award: The Lyle Hall Senior Chemist Award is based upon post-retirement professional activities of a member of the Minnesota ACS Section who has entered into formal retirement from his/her primary job. Professional activities can include volunteer ACS service, active in senior chemist committee, volunteer activities in any other scientific organization such as the Minnesota Academy of Science (i.e. Science Fair Judging), professional writing, consulting, and/or research. This year's award goes to Dr. Ken Latham. Ken is very active in the Senior Chemists Group of the MN ACS Section which is headed by Dr. Lynn Hartshorn. She speaks very highly of him helping her organize the meetings where he is responsible for all the emails to members about upcoming events and all communications with them. According to Lynn, It would be impossible to run this group without him. Congratulations to Ken for this well deserved award.



Spring 2022 - Adjunct Professor Needed in Hamline Chemistry

Department of Chemistry at Hamline University has an opening for an adjunct professor to teach Analytical chemistry course (Lecture and 2 Lab Sections). Seeking an analytical chemist or a soon to graduate analytical graduate student looking for teaching experience.

The department also has multiple adjunct needs for: non-majors intro chemistry labs, general chemistry labs (second term of general chemistry), and for organic chemistry laboratories (second term of organic chemistry). These can be for anyone with a background from intermediate chemistry graduate student to a PhD level chemist working, or retired, with an interest in teaching.

Please respond to Dr. [Nick Schlotter](#), Hamline Chemistry Department



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