

The Alembic

Newsletter of the Central Wisconsin Section of the American Chemical Society

FEBRUARY 2020 CWS ACS Meeting Notice

EVENT: Business meeting and Seminar, Rothschild WI

See page 2 for details

What: Seminar on Electrochemical Energy Storage

Where: Palms Supper Club

5912 US-51 BUS, Schofield

When: Tuesday February 18, 7:15 PM

Social gathering at The Palms starts at 5:30 PM. 5912 US-51 BUS. Please contact host, Jerry Gargulak, for reservations at 715-355-3676 or via e-mail to jerry.gargulak@borregaard.com by December 17th at Noon.

Chair's Corner

Hello, chemists!

Allow me to introduce myself. I am proud and happy to be your new ACS Central Wisconsin Section Chair! I started as an Assistant Professor of Chemistry at the University of Wisconsin-Stevens Point in the fall of 2017, so I am still relatively new to the area. In that time, I have discovered that central Wisconsin is a very friendly and inviting community, and I am looking forward to many more happy times in the years to come.

I hope you all had a happy and relaxing holiday season and are ready for the new year and all of the exciting ACS programs and events that it brings. First off is a seminar given by Jeffrey Poirier of LignoTech discussing Electrochemical Energy Storage at the Palms Supper Club in Schofield on Tuesday, February 18. Please see page 2 of this Alembic for details. The next event will be another ACS Program in a Box presentation to be held on Tuesday, February 25 in celebration of Earth Day. The program will be held jointly at the University of Wisconsin-Stevens Point and Eau Claire campuses and will focus on the future of food. Details of this program are given on page 3 of this Alembic.

I am excited about the upcoming year, and am looking forward to meeting and/or seeing you again at our upcoming events.

Have a great one, and see you soon! *Dave*



2019 ACS - CWS Mini-Directory

Chair

Dave Szpunar
Department of Chemistry
Univ. Wisc - Stevens Point
Phone: (715) 346-3328
Email: dszpunar@uwsp.edu

Chair-Elect

Katie McGarry
Department of Chemistry
Univ. Wisc - Stevens Point
Phone: (715) 346-3771
Email: kmcgarry@uwsp.edu

Immediate Past Chair

Katie McGarry
Department of Chemistry
Univ. Wisc - Stevens Point
Phone: (715) 346-3328
Email: kmcgarry@uwsp.edu

Secretary - Treasurer

David Thiel
Phone: (715) 887-4338
E-mail: thiel@wctc.net

Councilor

Robin Tanke
Department of Chemistry
Univ. Wisc - Stevens Point
Phone: (715) 346-4325
Email: rtanke@uwsp.edu

Newsletter Editor

Jerry Gargulak
LignoTech USA
Rothschild, WI 54474
Phone: (715) 355-3676



ACS
Chemistry for Life™





February 18th, CWS ACS Meeting

Seminar: Electrochemical Energy Storage; Intersection of Chemistry, Engineering, and Materials Science



Speaker: Jeff Poirier, Research Associate at
Borregaard LignoTech

Where: The Palms Supper Club, Rothschild WI

When: Tuesday, February 16st, 7:15 PM

Biography: At Borregaard – LignoTech, Jeff Poirier coordinates battery materials development. The chief focus is modified lignosulfonates for lead acid batteries with improved charge acceptance, a chief requirement for idle start-stop function in automotive applications. Previously, Dr. Poirier lead battery product development at Rayovac / Spectrum Brands for zinc air hearing aid batteries. He has his BS and MS in Chemical Engineering (UMass Lowell, URI) and a PhD in Materials Science from the University of Virginia. His experience in batteries and electrochemistry covers a wide range of systems and materials, including fuel cells, electrocatalysis, lithium ion, lithium metal, primary alkaline, zinc air, and lead acid batteries across all aspects of chemistry, design, and processing.



Abstract: The simple concept of storing electrical energy in chemical form starts from a pair of oxidation and reduction reactions. Faraday's Law of Electrolysis and the Nernst Equation establish the classic fundamentals. Complexity and technology richness build from there. The requirement of a conductive pathway mandates a surface. The surface and the electrolyte mean an interface, adsorption, double layer, and ionic charge transfer. The practical electrode is a porous structure with high surface area which need to be in close proximity to its opposite (without contact). Diffusion and mass transport compete with kinetics for control of voltage polarization driven by the dynamic demand from an electrical device. Phase and state transformations often occur maybe with solid state diffusion. Heat transfer and thermal effects arise. The requirements continue: containment, shelf life, cycle life, abuse tolerance, manufacturability, etc. These facets all represent an interaction of chemistry, engineering, and materials science. Illustrative examples of this interaction will be presented particularly from the speaker's experience in zinc air, lithium ion, and lead acid batteries.

Social gathering at The Palms Supper Club at 5:30 PM. 5912 US-51 BUS. Dinner and speaker to follow, same venue! Please contact host, Jerry Gargulak, for reservations at 715-355-3676 or via e-mail to jerry.gargulak@borregaard.com by February 17th at Noon.

The Palms is located just north of McDonalds on US Business 51, just north of the Domtar Mill and the HWY 29/Business 51 interchange



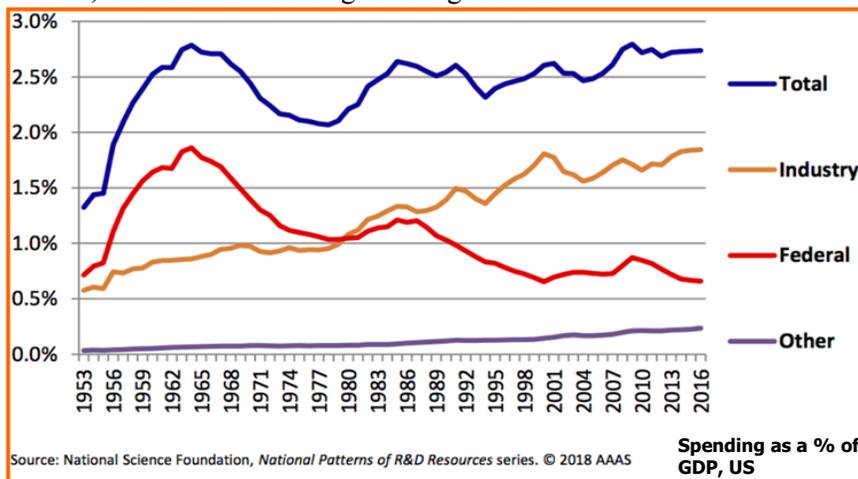
Being a scientist can lead to many personal ethical questions. For example, how do chemists decide what makes the human condition better? How do we know we aren't making things worse? How does the industrial chemist know what to invent? How does the academic researcher decide what to investigate? For the latter, usually this relays back to the availability of public funding with strings attached.

Consider a brief history on research funding. In the real old days grants didn't exist. Galileo proposed a tax to fund research on the trajectory of cannonballs; it wasn't funded! The Royal Society was one early funding body, but often it was scientists working on their own nickel, sometimes with a wealthy benefactor, inventing what they found interesting. This certainly was a system that could be improved, and it was! This evolved into what I call "the good old days", where organizations like NAS and NSF funded basic R&D along with various larger applied projects. This system seemed to work fairly well. An incredible amount of good science and understanding was obtained. See chart below, considering the 1960's.

But in the late 1980's, something changed. There seemed a required association of proposals with some policy goal to be funded, and even lower levels of total federal funding. To me, in some ways this was a step backward for academic researchers, and I sometimes long for the good old

days of the more "basic science" model. My main concern is the newer system can have underlying systematic errors, where the funding agency uses unclear or even misunderstood goals. It can lead to funding bias. My humble opinion is that the proportion of federal funding needs to be increased, and perhaps redirected back to a diverse basic research basket. This can only be done by congress, so a good debate on the national level is needed. Make sure to contact your congressman if they ever find time to get around to it.

Thanks for reading! *Jerry*



New CWSACS Proposed Bylaws

Please review carefully!

New Bylaws are up for vote for our chapter. The executive committee would like to use e-mail for this process, but our current bylaws require mail ballots. While voting by mail ballot is slow and expensive, it is required.

The current bylaws are outdated in other ways. We are told that these are the oldest unchanged bylaws in all of ACS. The new proposed bylaws presented here, page 7-11 of this issue of the Alembic, and were developed in cooperation with the ACS Committee on Constitution and Bylaws (C&B). They fit the template demanded by C&B. Changes are highlighted in blue so that they can be easily reviewed.

Amendments (in this case the entire bylaw document) must be approved in accordance with the Section's current bylaws. The first step in that process is to provide members of the Section with a copy of the proposed new Bylaws. This is completed with the mailing of this Alembic. Following two regular meetings of the Section mail ballots will be sent to all members. If the proposed bylaws receive the affirmative vote of two thirds of the ballots cast they will be adopted.

Dave Theil, Secretary - Treasurer



**Join us for an informative webinar
on the future of food and the role chemists will play!**

The webinar will explore efforts to secure and sustain our world's food supply amid mounting pressures from a changing climate. How can chemists help to reduce our reliance on animal agriculture through new plant-based and lab grown foods? What other opportunities are there for chemists to make an impact on the world through agricultural and food chemistry? Join us to learn the answers to these questions and more!

Tuesday, February 25th, 2020

5:30pm for pizza, webinar begins at 6:00pm

Join us in Stevens Point:

UWSP Chemistry Biology
Building, room 101
(2101 Fourth Ave, Stevens Point,
WI 54481)

Join us in Eau Claire:

UWEC Phillips Science Hall
room 413
(101 Roosevelt Ave, Eau Claire
WI 54701)

Sponsored by the Central Wisconsin Section of the ACS



2020 Central Wisconsin Awards Nominations. Please Read!!
Deadline Friday April 24th



Shortly after the formation of the Central Wisconsin Section in 1972, the leadership instituted a series of awards and recognitions for its membership and for students exploring careers in the chemical sciences. The commonly given awards in recent years are listed below along with criteria. As noted in these descriptions, awards are usually given at the Section's May meeting. Further details as to time, place and format of that meeting will appear in the next issue of The Alembic. However, we do need your input as to worthy recipients of the awards. **Your suggestions (nominations) are crucial. If there is a member or individual you think should be honored with one of the Central Wisconsin Section awards, please send that person's name with a simple statement to one of the members of the executive committee whose name and contact information is listed on page 1 of this issue of The Alembic. All nominations are due by Noon on Friday, Apr 24th.**

Note that the Outstanding Service and Outstanding Contributions awards can be awarded any year but are not awarded every year, and that the High School Chemistry Senior award is generally given to the highest scorer on the local section Chemistry Olympiad exam.

Outstanding Service Award

Purpose: To recognize outstanding service to the CWS and the field of Chemistry.

Nature: The award consists of an engraved plaque and is presented annually in the Spring at an award banquet at which the recipient is a guest of the CWS. In addition, the recipient's name is added to a fifteen-year plaque maintained and displayed by the CWS.

Establishment and Support: The award was established in 1976 and supported by the CWS.

Rules of Eligibility: The recipient must be a member or an affiliate of the CWS.

Outstanding Contributions to Chemistry Award

Purpose: To recognize significant achievement through research, publication and contribution to the discipline of chemistry by a member of the CWS.

Nature: The award consists of an engraved plaque and is presented in the Spring at an award banquet at which the recipient is a guest of the CWS. In addition, the recipient's name is added to a fifteen-year plaque maintained and displayed by the Section.

Establishment and Support: The award was established in 1976 and supported by the CWS.

Rules of Eligibility: The recipient must be a member or an affiliate of the Central Wisconsin Section.

High School Chemistry Senior Award

Purpose: To recognize and encourage high school students who have demonstrated a high degree of self-discipline and motivation in the pursuit of the science of Chemistry.

Nature: The award, consisting of \$300 and a plaque, is presented annually in the Spring at an award banquet at which the recipient and his/her teacher are guests of the Section.



2020 Central Wisconsin Awards Nominations Continued from p. 8



Establishment and Support: The award was established in 1976 and supported by the CWS and Sentry Insurance Company. Since 1981 the award has been solely supported by the Central Wisconsin Section.

Rules of Eligibility: The recipient must have taken at least one year of high school chemistry at the senior high level and be a student in his/her last year in a high school within the boundaries of the CWS.

High School Chemistry Teaching Award

Purpose: To recognize, encourage, and stimulate outstanding teachers of high school chemistry within the boundaries of the CWS.

Nature: The award, consisting of \$700 and an engraved plaque, is presented annually in the Spring at an award banquet at which the recipient is a guest of Section. In addition, the recipient's name is added to a fifteen-year plaque maintained and displayed by the Section.

Establishment and Support: The award was originally established in 1974 and was supported by the CWS and Sentry Insurance Company. Since 1986 the award has been solely supported by the CWS.

Rules of Eligibility: The major duty of the recipient must be the teaching of chemistry at the high school level within the boundaries of the Section.

College Chemistry Senior Award

Purpose: To recognize significant achievement in the chemical sciences at the undergraduate level by a student who will enter their senior year in the fall of the Award year.

Nature: The award, consisting of \$500 and an engraved plaque, is presented annually in the Spring at an award banquet at which the recipient is a guest of Section. In addition, the recipient's name is added to a fifteen-year plaque maintained and displayed by the Section.

Rules of Eligibility: The nominee must be a matriculated full-time student entering their senior year in the fall of the calendar year in which the award is given. The awardee shall be enrolled in a curriculum leading to an undergraduate degree in Chemistry or a chemically related science. Further, the nominee must within the territory assigned to the CWS or be matriculated in a college or university within its borders. The nominee must have a minimum grade point average of 3.5 out of 4.0 and the nomination be accompanied by two supporting letters from faculty, and a brief statement by the nominee giving his/her reasons for choosing a career in the chemical sciences.

Practice: It has been the practice of the CWS to solicit nominees for the College Chemistry Senior Award from the chemistry departments at the University of Wisconsin—Eau Claire and the University of Wisconsin—Stevens Point. The selected student receives a Section award, consisting of \$500 and an engraved plaque, is presented annually in the Spring at an award banquet at which the recipient is a guest of Section. In addition, the recipient's name is added to a fifteen-year plaque maintained and displayed by the Section.

NOTE to officers of the Central Wisconsin Section. Before you send the bylaws to your members for vote in accordance with the Section's CURRENT bylaws, please ensure that C&B added your choices and decisions in the following bylaws. You may delete or reword this opening paragraph when you send the bylaws to your members for vote. After the members vote, be sure to see the NEXT STEPS in the email that accompanies this document. Let us know if you have any questions: bylaws@acs.or. –B. Polansky on behalf of C&B 12/23/19

***BYLAWS OF THE CENTRAL WISCONSIN SECTION
OF THE AMERICAN CHEMICAL SOCIETY**

BYLAW I: Name

This organization shall be known as the Central Wisconsin Section (hereinafter referred to as the "Section") of the AMERICAN CHEMICAL SOCIETY (hereinafter referred to as the "SOCIETY").

BYLAW II: Purposes

Section 1. The Purposes of the Section shall be those of the SOCIETY as stated in the Charter, Constitution, and Bylaws of the SOCIETY.

Section 2. Nothing in these bylaws shall be inconsistent with the Charter, Constitution, Bylaws, and Standing Rules of the SOCIETY.

Section 3. The Section is organized exclusively for charitable, educational, and scientific purposes, including, for such purposes, the making of distributions to organizations that qualify as exempt organizations under section 501(c)(3) of the Internal Revenue Code, or corresponding section of any future federal tax code.

BYLAW III: Territory

The territory of the Section shall be that assigned to it by the SOCIETY.

BYLAW IV: Members and Affiliates

Section 1. The rolls of the Section shall include those MEMBERS and STUDENT MEMBERS (hereinafter collectively referred to as "members") and Society Affiliates of the SOCIETY residing within the territory of the Section provided that any exceptions to this rule shall be made in conformity with the Constitution, Bylaws, and Standing Rules of the SOCIETY.

Section 2. STUDENT MEMBERS shall be entitled to all privileges of membership except that of holding an elective position of the SOCIETY. A STUDENT MEMBER may not serve as a Councilor, Alternate Councilor, or the Temporary Substitute Councilor, but may hold an elective position of the Section as noted elsewhere in these bylaws and may be appointed as a committee chair.

Section 3. The Section may have Local Section Affiliates as authorized in the Standing Rules of the SOCIETY. A Local Section Affiliate shall retain affiliate status only so long as payment is made of Local Section Affiliate dues of not less than two dollars (\$2.00) per annum. A Local Section Affiliate may not (1) hold an elective position, (2) vote on Articles of Incorporation and bylaws, (3) vote for the Councilor(s) or Alternate Councilor(s), or (4) serve as a voting member of the Executive Committee. Except as mentioned above, a Local Section Affiliate may vote for an elective position of the Section and may be appointed as a committee chair.

Section 4. Society Affiliates may be assessed dues in the amount specified by the Executive Committee. A Society Affiliate may not (1) hold an elective position, (2) vote on Articles of Incorporation and bylaws of the Section, (3) vote for the Councilor(s) or Alternate Councilor(s), or (4) serve as a voting member of the Executive Committee. Except as mentioned above, a Society Affiliate may vote for an elective position of the Section and may be appointed as a committee chair.

Section 5. Members and affiliates, which includes Society Affiliates and Local Section Affiliates, shall have such rights and privileges as accorded to them by the Bylaws and Standing Rules of the SOCIETY and these bylaws.

BYLAW V: Officers, Executive Committee, and Councilor(s)

Section 1. The officers of the Section shall be members of the SOCIETY and the Section and shall consist of the Chair, Chair-Elect, Secretary, and Treasurer. The Secretary and Treasurer positions may be held by the same person.

Section 2. The Executive Committee shall be the governing body of the Section and as such shall have full power to conduct, manage, and direct the business and affairs of the Section in accordance with the Constitution, Bylaws, and Standing Rules of the SOCIETY and these bylaws. The Executive Committee shall consist of the officers of the Section, the Immediate Past Chair, the Councilor(s), and Alternate Councilor(s) and as nonvoting members, the chairs of the standing committees.

***Effective TBD by C&B.** Approved, as amended, by the Committee on Constitution and Bylaws, acting for the Council of the AMERICAN CHEMICAL SOCIETY. (C&B: bylaws@acs.org; www.acs.org/govdocs).

Section 3. The Chair and Chair-Elect shall serve for a term of one year beginning on January 1 or until their successors are elected. At the end of the Chair-Elect's term of office, the Chair-Elect shall succeed to the office of Chair. The Secretary and Treasurer shall serve for a term of two years beginning on January 1 or until their successors are elected; they shall be elected in alternate years, whenever possible, to provide for a rotation of terms. With the exception of the Chair and Chair-Elect, the incumbent of any position is eligible for reelection. The Chair is not eligible for election to another position until the end of their term as Immediate Past Chair because that position is a voting member of the Executive Committee.

Section 4. The duties of the officers shall be such as usually pertain to their offices, together with those required by these bylaws and by the Bylaws and Standing Rules of the SOCIETY, and such other duties as may be assigned to them from time to time by the Executive Committee.

- a. The duties of the Chair shall be to preside at meetings of the Executive Committee, to carry into effect the decisions and recommendations of that Committee, to preside at meetings of the Section to conduct governance business, to appoint, with the approval of the Executive Committee, all committee chairs and committee members except as stated elsewhere in these bylaws, and to carry out the duties required by the Standing Rules of the SOCIETY.
- b. The duties of the Chair-Elect shall be to assist the Chair with the direction and management of the Section. In the absence of the Chair, the duties of the office shall devolve upon the Chair-Elect.
- c. The duties of the Secretary shall be to keep a record of the minutes of the meetings of the Section and of the Executive Committee, to maintain a list of members and affiliates, to send to members and affiliates such notices as the business of the Section may require, to submit a report to the Section at its annual meeting, and to carry out the duties required by the Bylaws and Standing Rules of the SOCIETY and elsewhere in these bylaws. The Secretary shall preside over meetings in the absence of both the Chair and Chair-Elect.
- d. The Treasurer shall have charge of the funds of the Section, keep an accurate record of all receipts and disbursements, receive dues, and make those disbursements approved by the Executive Committee. The Treasurer shall render an account of all transactions and of the financial condition of the Section to the Executive Committee at times set by the Committee and shall submit such reports as are required by the Standing Rules of the SOCIETY.

Section 5. Vacancies

- a. In the event of a vacancy in the office of Chair, the Chair-Elect shall assume the duties of Chair for the remainder of the term. In such case, the Chair-Elect moving into the position of Chair shall also hold that position during the normal term as Chair as part of the leadership transition.
- b. All other vacancies, except for Councilor(s) and Alternate Councilor(s), shall be filled by majority vote of the Executive Committee through interim appointment for the period up to the next annual election. At that time, the procedures for election as outlined in the bylaws of the Section shall be followed.
- c. An interim appointee to the vacated office of Chair-Elect shall not automatically succeed to the office of Chair. At the next election, both a Chair and a Chair-Elect shall be elected.

Section 6. Councilor(s), Alternate Councilor(s), and Temporary Substitute Councilor

- a. The Section shall have Councilor(s) and Alternate Councilor(s) as provided in the Constitution, Bylaws, and Standing Rules of the SOCIETY. The Section's Councilor(s) and Alternate Councilor(s) shall carry out those duties assigned to them by the Bylaws, and Standing Rules of the SOCIETY. In particular, the Councilor(s) (or Alternate Councilor(s) or Temporary Substitute Councilor if so designated to serve in place of the Councilor for a particular meeting), shall attend meetings of the Council of the SOCIETY and represent the Section at such meetings.
- b. Councilor(s) and Alternate Councilor(s) shall be elected by ballot from among the MEMBERS for three-year terms beginning January 1. Reelection is permissible. Councilor(s) shall be elected in separate years, whenever possible, to provide for a rotation of terms in accordance with the Standing Rules of the SOCIETY. A partial term of one or two years shall be used whenever necessary to establish or to restore rotation of three-year terms provided that the Councilor or Alternate Councilor agree to the partial term before the election.
- c. In the event that a Councilor is unable to attend a specified meeting of the Council of the SOCIETY, the Chair of the Section shall appoint one of the Alternate Councilor(s) to serve as Councilor at the specified meeting. Such appointment of an Alternate Councilor shall be for only one meeting.
- d. If every Councilor and Alternate Councilor of the Section will be absent from a Council meeting, thus leaving the Section without representation at such meeting, the Executive Committee may designate one MEMBER of the Section as a Temporary Substitute Councilor in accordance with the Standing Rules of the SOCIETY.
- e. The Executive Committee shall designate one or more Councilor(s) to be disqualified under provisions of the SOCIETY's Standing Rules for reallocation of Councilor(s) among the Sections.

- f. Any vacancy in the position of Councilor or Alternate Councilor shall be filled for the remainder of the unexpired term at the time of the next annual election. The vacancy may be filled until the next annual election by appointment by the Executive Committee.

BYLAW VI: Manner of Election

Section 1. The election of officers shall be conducted either by a ballot distributed to the members and affiliates of the Section in accordance with the Bylaws and Standing Rules of the SOCIETY and these bylaws, or at a regular meeting of the Section provided there is a quorum present as described elsewhere in these bylaws. Local Section Affiliates and Society Affiliates may vote for any elective position(s) of the Section in the same manner as described above. Councilor(s) and Alternate Councilor(s) shall be elected by a ballot distributed to all members of the Section; affiliates may not vote for Councilor(s) and Alternate Councilor(s).

Section 2. In September of each year, the Nomination Committee shall report to the membership its nominations for each office to be filled. Prior to October 15, any member or affiliate of the Section may, in writing or from the floor at a meeting to conduct governance business, nominate additional candidates for office, provided that the candidates are members of the Section for officers and MEMBERS for Councilor(s) and Alternate Councilor(s), as required elsewhere in these bylaws, if the nomination is seconded by another member or affiliate. Nominations so made shall be equally valid as those from the Nomination Committee. All candidates nominated shall have indicated willingness to serve if elected.

Section 3. When a ballot is used, the candidates for each office and for Councilor(s)/Alternate Councilor(s) shall be listed in an order to be selected by lot on a ballot to be distributed by November 1, only to eligible voters as noted above except that affiliates may not vote for Councilor(s)/Alternate Councilor(s). The ballot shall provide for a write-in candidate for each position to be filled. A paper ballot shall be provided to any eligible voter who requests it.

Section 4. The ballots shall be tabulated and validated not later than November 15. Except as noted below, the candidate for each position receiving the largest number of votes shall be declared elected. The Executive Committee may decide that for Councilor(s), the candidate(s) who receive the majority of votes shall be declared elected as Councilor(s); the candidate(s) who get the next largest number of votes shall be declared elected as Alternate Councilor(s). In case of a tie vote for any position, the Executive Committee, by ballot, shall elect from among the candidates who share the tie vote; the candidate receiving the largest number of votes shall be declared elected.

Section 5. The results shall be announced by the Section Chair or his or her designee as soon as possible after the election and published in the Section's newsletter or on the Section's website soon thereafter. The results shall be certified to the Executive Director of the SOCIETY not later than December 1.

Section 6. In accordance with the SOCIETY's Standing Rules, balloting procedures should ensure fair balloting that is open to all eligible members, protection against fraudulent balloting, and the timely reporting and archiving of balloting results.

BYLAW VII: Recall of Elected Officials

Section 1. The elected officials of the Section (officers and elected Executive Committee members, except not Councilor(s) and Alternate Councilor(s)) are subject to recall for neglect of duties or conduct injurious to the SOCIETY. Recall procedures are not applicable to Councilor(s) and Alternate Councilor(s).

Section 2. The recall of an official shall be initiated when a signed petition, indicating in writing the specific charges and reasonable substantiating evidence, is submitted to the Chair from at least five members of the Section. In the event the Chair is the official in question, the Chair-Elect shall receive the petition and shall assume the duties of the Chair with respect to this issue until the issue is resolved.

Section 3. The Chair shall, without delay, determine that the petitioners are aware of the gravity of their actions and the procedures to be followed. The Chair shall seek an alternate resolution to the problem and a withdrawal of the petition at this time. In the absence of a resolution to the problem, the Chair shall notify the members of the Executive Committee and call a special meeting within thirty days.

- a. The Executive Committee shall promptly continue the recall process or dismiss the petition as ill-founded or find an alternative solution to the problem. The Chair shall promptly inform the petitioners and the official of the decision of the Executive Committee. If no contact with the official can be made after a reasonable effort, the Executive Committee may remove the official in question with a two-thirds (2/3) vote of the remaining members.
- b. If the proceedings continue:
 - (1) The Chair shall assign the duties of the official to another qualified member or MEMBER of the Section, as required elsewhere in these bylaws, until the issue is resolved.
 - (2) The official shall be offered an opportunity to answer the allegations in the petition before the Executive Committee. A certified letter shall be sent to the last known address on the official SOCIETY membership roll. Upon notification, the official shall have thirty days to make a written response to the allegations.

- (3) The Executive Committee shall decide whether or not to proceed after studying the official's response. The Chair shall inform the official and the petitioners of the decision of the Executive Committee. If the Executive Committee decides that the proceedings shall continue, the official shall choose one of the following options:
- (a) The official may resign.
 - (b) The official may request a recall vote. Section members shall be informed, through brief written statements prepared by the Executive Committee and the official, of the issues involved with the recall vote. Both statements shall be distributed to the members with the ballot. A paper ballot shall be provided to any member who requests it. At least two-thirds (2/3) of the votes cast shall be required for the official to be removed from office. The membership shall be informed of the results of the recall vote.
 - (c) The official may request a hearing and a recall vote by the remaining members of the Executive Committee. At least a two-thirds (2/3) vote of the remaining members of the Executive Committee shall be required to recall the official.
 - (d) The official may choose not to respond and thus forfeit the position.

Section 4. The vacancy provisions of these bylaws shall be used to fill a vacancy caused by a recall process. The Executive Director of the SOCIETY shall be informed of the recall and the filling of the vacancy.

BYLAW VIII: Committees

Section 1. The Executive Committee shall establish committees as necessary for the proper operation of the Section. All committee members shall be members or affiliates of the SOCIETY and the Section.

Section 2. The Section shall have the following standing committee: Nomination.

BYLAW IX: Meetings

Section 1. The Executive Committee shall designate the times and places of the Section's meetings as it finds necessary or desirable for the proper functioning of the Section. The Section shall hold at least one meeting annually to conduct governance business; however, this requirement may be modified by the Executive Committee.

Section 2. The Executive Committee shall set the order of business for meetings of the Section to conduct governance business. The order of business may be suspended by a majority vote of the members present.

Section 3. The Section may hold special meetings to conduct governance business upon the written request of a majority of the Executive Committee or upon the written request of eight members of the Section. To be valid, such request shall be received by the Secretary at least ten days before the date requested for the meeting and shall state the exact nature of the business to be transacted. No other business shall transpire at such meetings.

Section 4. Meetings of the Executive Committee and meetings of the Section to conduct governance business, with the approval of the Executive Committee, may be held by means of electronic communications technology that permits those in attendance to read or hear the proceedings substantially concurrently with their occurrence, to vote on matters submitted, to pose questions, and to make comments.

Section 5. The Executive Committee shall meet upon due notice either at the call of the Chair or upon request of a majority of its members. A quorum for an Executive Committee meeting shall consist of a majority of the voting members of the Committee. In the absence of a quorum, called meetings of the Executive Committee shall adjourn to a specific date.

Section 6. Due notice of the Section's meetings, not including committee meetings, shall be sent to each member and affiliate of the Section. A quorum for the transaction of governance business at such a Section meeting shall consist of eight members of the Section. No governance business shall be conducted in the absence of a quorum.

Section 7. The fee for registration at any special meeting shall be decided by the Executive Committee.

Section 8. The most recent edition of *Robert's Rules of Order Newly Revised* shall be the parliamentary authority for all matters not covered in these bylaws or in the SOCIETY's documents.

BYLAW X: Finances

Section 1.

- a. Members of the Section may be assessed voluntary Local Section dues in an amount set by the Executive Committee. The Executive Committee shall have the option to waive or discount dues for STUDENT MEMBERS and for others as provided in the SOCIETY's Standing Rules for waived or discounted dues.
- b. Society Affiliates may be assessed annual dues in an amount set by the Executive Committee.
- c. The annual dues of Local Section Affiliates shall be determined by the Executive Committee in accordance with the Standing Rules of the SOCIETY, and as mentioned elsewhere in these bylaws.

Section 2. The Section may raise or collect funds to be expended for local purposes and may have the entire management and control of such funds insofar as such management and control shall not conflict with any provision of these bylaws or with the Bylaws or Standing Rules of the SOCIETY.

Section 3. The Section may receive donations or bequests made to it and may expend or invest the same on behalf of the Section. Such expenditures or investments shall be made by the Treasurer of the Section upon authorization by the Executive Committee.

Section 4. An annual audit of the books of the Treasurer and of any other transactions regarding the Section's funds shall be conducted by two or more disinterested members or individuals, appointed by the Executive Committee. The audit report shall be submitted to the Executive Committee by January 31.

BYLAW XI: Affiliation with Other Technical Organizations

Section 1. The Section may affiliate with other technical organizations operating within the territory of the Section provided that such affiliation does not contravene the Charter, Constitution, Bylaws, Standing Rules, or Regulations of the SOCIETY. Such affiliation must be approved by the Executive Committee of the Section, by confirmation by the Council Committee on Constitution and Bylaws, and in compliance with the specific requirements of the Bylaws of the SOCIETY.

Section 2. The affiliation with the technical organization shall become effective upon authorization by the Executive Committee of the Section, by the Council Committee on Local Section Activities, and by confirmation by the Council Committee on Constitution and Bylaws.

Section 3. The Executive Committee may terminate the affiliation with any technical organization by notifying, in writing, the governing body of the technical organization. The technical organization may terminate the affiliation upon written notice to the Section's Executive Committee. Affiliations shall terminate after five years unless reauthorized by the Executive Committee. The term of each subsequent reauthorization shall not exceed five years.

BYLAW XII: Amendments

Section 1. A petition to amend the bylaws may be initiated by the Executive Committee or by a petition signed by at least **eight** members of the Section. If the proposed amendment is approved by the Executive Committee, if practical, it shall be submitted to the SOCIETY's Committee on Constitution and Bylaws for review.

Section 2. The Executive Committee will then incorporate all the required changes and either accept or reject any recommended changes that are suggested by the Committee on Constitution and Bylaws. The revised bylaws shall then be submitted to the Section members for adoption. This may be accomplished at a business meeting of the Section provided that **a minimum of eight weeks'** prior notice is given to the Section members.

Section 3. If a proposed amendment is not approved by the Executive Committee and if the petition is signed by at least **eight** members of the Section, if practical, it shall be submitted to the SOCIETY's Committee on Constitution and Bylaws for review before being distributed to the members of the Section.

Section 4. At least two-thirds (2/3) of the votes cast shall be required to approve the amendment. This may be done at a business meeting of the Section provided a quorum is present. Alternatively, or failing the presence of a quorum, the vote may be taken by a ballot distributed to all members of the Section. At least two-thirds (2/3) of the valid ballots returned must be affirmative for adoption.

Section 5. The Secretary shall distribute the outcome of the vote regarding the amendment(s) to the Section members and within one month shall meet all requirements for submitting the results to the Committee on Constitution and Bylaws.

Section 6. Amendments to these bylaws, after adoption by the Section, shall become effective upon approval by the Committee on Constitution and Bylaws, acting for the Council of the SOCIETY, unless a later date is specified.

BYLAW XIII: Dissolution of the Section

Upon the dissolution of the Section, any assets of the Section remaining thereafter shall be conveyed to such organization then existent, within or without the territory of the Local Section, that is dedicated to the perpetuation of Purposes similar to those of the AMERICAN CHEMICAL SOCIETY, or to the AMERICAN CHEMICAL SOCIETY, so long as whichever organization is selected by the governing body of the Local Section at the time of dissolution shall be exempt under Section 501(c)(3) of the Internal Revenue Code of 1954 as amended or under such successor provision of the Code as may be in effect at the time of the Section's dissolution.

The Alembic (March 2019)

Newsletter of the Central Wisconsin Section, ACS
c/o Chemistry Department (#605516)
University of Wisconsin – Stevens Point
Stevens Point, WI 54481

**Mark your calendar ... plan to
come: !!
The Palms Supper Club
Rothschild, February 18, 2020**

Member Address Label

Of further interest are the following national and regional events:

June 6 - 9, 2021 (Save The Date)

Great Lakes Regional Meeting (GLRM)

Minneapolis, MN

