



Vinyl Division

The Vinyl Division of the Society of Plastics Engineers exists to stimulate and encourage the interchange of non-proprietary information, and to promote the scientific and engineering knowledge related to vinyl plastics technology.

Officer's List

- Chair:** Robert Weiler
rweiler@amfine.com
Amfine Chemical Company
- Councilor:** William Arendt
william.arendt@gmail.com
Arendt Consulting, Inc.
- Treasurer:** Randy Brown
iplasticpi@zoho.com
IPPI
- Membership Chair:** Roman Wypart
rwypart28@gmail.com
CPG International
- Secretary:** Emily McBride
emily.mcbride@emeraldmaterials.com
Emerald Materials

Table of Contents

Chairman's Message	1
Sponsor Page	2
Councilor's Report (Sept. 2018)	3,4
Sponsorship Opportunities	4
Councilor's Report (Dec. 2018)	5,6
Call for Papers VinylTec® 2019	6
VinylTec® 2018 Recap	7,8
Section Minutes	9,10
ANTEC® 2019	11
Social Media Link	11
BOD Contact List	11

Chairman's Message

Autumn 2018



Greetings Vinyl Division. As I write this letter, I am still recovering from The VinylTec Conference held in Chicago. Another great conference. Thanks to John Scott, Sam Timpa, Emily McBride and the VinylTec® Committee and to Kim Rush, Bill Arendt and the Chicago Section. If you weren't there, you missed a great conference.

Again, this year, it is becoming clear that Vinyl businesses are hiring new engineers and supporting SPE. Approximately 20 – 25% of the attendees were first-timers. Millennials may even outnumber Baby Boomers!

There have been a couple of changes among your division officers. Alan Gibb will be retiring as Awards Chairman this year. Alan has been our Awards Chairman for over 10 years and has done a great service to the division. We shall miss him. Beth Griffin has volunteered to step into this role. Roman Wypart is now serving as our Membership Chairman. Already, Roman is reporting an uptick in new memberships in the division. And, as you are reading this newsletter, you can thank Kim Rush for volunteering to put it together for us. Peggy Schipper is helping Kim and also updating our website. Don't forget to "like" our Facebook page, Vinyl Division of SPE. This year also will be Bill Arendt's last as Councilor. Councilor is an important role. It is our link to the National SPE organization. If you are interested in running for Councilor let one of the BOD members know.

We are always looking for volunteers to keep the Vinyl Division functioning. As a BOD member you can have a say in the direction of our Division. You can associate with other great vinyl leaders. And we also have a lot of fun! No prior experience needed. We actually are looking for some newer members to bring in new ideas. Another great way to serve is to join the Technical Program Committee. We have a lot of dedicated committee members to share the workload, so it is not too demanding and a great way to get initiated into Vinyl Division Leadership. Let Sam Timpa know if you are interested. He can fill you in on the responsibilities.

See you next year at VinylTec in Akron on Oct 1 – 3.

Robert Weiler
rweiler@amfine.com

EMERALD KALAMA CHEMICAL

KFLEX®

Plasticizers & Coalescents



High Performance, Fast-Fusing, Non-Phthalate Plasticizers for Vinyl

- Exceptional toughness and stain/extraction resistance
- Increased processing speed, lower gelation/fusion temperature
- Non-SVHC, global registrations, REACH compliant

Emerald Performance Materials®
Kalama Chemical

Supplying customers world-wide. **Contact us** for more information:
800.223.0035 or kflex@emeraldmaterials.com.

Brabender® CWB

...where quality is measured.

Intelli-Torque Plasti-Corder® Torque Rheometer

ATR Plasti-Corder® Torque Rheometer

Single Screw Extruders

Segmented Twin Screw Extruders

Rheometric Capillary Rheometry

Mixer/Measuring Heads

Prep-Mill® Laboratory Two Roll Mill

Absorptometer C

201.343.8425

cwbi@cwbrabender.com

www.cwbrabender.com



Part of Rio Tinto

Firebrake® ZB Multifunctional Fire Retardant

- Smoke Suppressant
- Afterglow Suppressant
- Anti-Arcing Agent
- Antimony Oxide Replacement

Rio Tinto Minerals, 8051 E. Maplewood Avenue, Greenwood Village, CO 80111
+1 303.713.5000 • www.borax.com/markets/polymers



Shintech, Inc & K-Bin



Worldwide Leader in PVC Resin
and PVC Compounds.

Full K-value range of suspension resins
including a line of cross-linked resins.

713-965-0713

For over 50 years,
we've partnered
with companies
to help make their
products better.



OFFERING CUSTOMIZABLE SOLUTIONS IN:

Lubrication • Stabilization • Optimization

noracadditives.com • 870-572-9061



Councilor's Report



Council Meeting, Friday September 21, 2018. Meeting was called to order.

On behalf of the Vinyl Plastics Division I attended the Fall 2018 Council meetings in Charleston SC. Specifically the Council meeting and the CCOW meeting during the Council meeting. A copy of the agenda of the Council meeting is attached. A summary of my notes follows.

Members that passed away since last meeting. (*not all are listed below but the ones I had known*)

Ray Shute – Kansas City Section member, ex-Chicago

Juergen Rathgeber – Carolina Section. Juergen is the person who got me involved in SPE when he was at Chicago Section.

Financial Update

We were warned that people are email phishing. The SPE has lost money because of this.

Be careful of what we receive and how we answer.

Data:

	JUNE 18 MONTH	MONTH BUDGET	YTD	YTD BUDGET	ANNUAL BUDGET
Total Revenues	\$229,630	\$196,290	\$2,127,580	\$2,183,748	\$3,612,501
Total Expenses	\$267,825	\$295,043	\$2,191,127	\$2,476,117	\$4,224,037
Results total	(\$19,704)	(\$52,837)	\$5,142	(\$16,869)	(\$80,536)

ANTEC® made \$200,00.

There will be a review for Council by December 13, 2018

VP Communications Report

The core of SPE is technical knowledge

- ◆ ANTEC® papers are available
- ◆ Other publications more spotty in availability

Guidelines were presented how groups can put literature on web

- ◆ International will not do this
- ◆ Groups must do.
- ◆ Newsletters can be added

VP Divisions Report

The divisions committee (*I am on this committee*) is working on getting a list of contacts at different companies. With this information we can send a letter to encourage participation in the SPE.

We are working on a survey.

VP Sections Report

There are musts for Sections to remain valid

- ◆ Roster
- ◆ Leadership
- ◆ IRS filed
- ◆ Active Councilor
- ◆ Communications

Sections in full compliance – 11%. In compliance with communications – 30%

Sections in formation issues – Turkey, Mexico, China – Recommend to dissolve. Remaining 4 to get a roster for compliance.

Insurance

Must be in full compliance to get insurance

Since each chapter is a separate entity each needs insurance

If not in compliance after 10/1/18 will be an issue for insurance.

VP Young Professions (< 35 years old, < 15 years experience)

400 YP members

800 student members with 175 graduating/year

PIA will pay for first 2 years of a YP

12 member BOD

Newsletter issued each quarter

CEO Report

Information update – New software installed.

\$200,000 savings per year

Governance – 2018-19 Plan

- ◆ Support brand
- ◆ Provide awareness and support for recent implemented services
- ◆ Use Chain

Membership

- ◆ 84 countries
- ◆ 22,500 + members

Renewal

- ◆ Old versus new renewal plan presented
- ◆ Motion to move back to old way was made and tabled

Continued on next page

Student members – Free as PIA pays

Insurance

- ◆ If compliant insurance can be obtained -\$450.
- ◆ A webinar will be held on September 27 to present options

Council Meeting Paused

CCOW meeting next:

The topics for this meeting:

- ◆ ANTEC®
- ◆ PE board members
- ◆ Sustainability

Note: Basically these topics were of little value. The important topic of dues and how the cuts went to Sections and Divisions should have been the topic instead of pushing it to the end of Council.

ANTEC®

2019 Detroit, 2020 – San Antonio, 2021 – At NPE?

New model focuses on

- ◆ Fundamentals
- ◆ Megatrends
- ◆ Hot topics
- ◆ Or leave as is

Education of officers? There or other ways?

Sustainability? Really?

Council called to order

CCOW review

VP Events report

- ◆ Little new
- ◆ Lack of a productive team? Events team
- ◆ Look at ways to get more new focus

VP Technology and Education report

- ◆ Nano topics being looked at
- ◆ A new technology forum
- ◆ Fellows forum reinstated

◆ Plastivan for K to 12

◆ Professional development for University students

Bylaws – some changes, not much to talk about but indemnification discussed .

Pinnacle Awards Update

Five ways to gain Pinnacle – Sections and Divisions

- ◆ Outreach
- ◆ Education
- ◆ Communications
- ◆ Programing
- ◆ Students and Young Professions

Can enter achievements on line

Nominating Committee Report. Chair said “Democracy is a slogan” Hmmm? I think he was kidding.

Meet the candidates on January 18, 2019

SPE Foundation

Programs in place discussed

Bakelite story for the plastics industry

Mentoring Committee (over again)

Working on how to organize

Old/new business

Renewal and new members procedure

Finally voted upon – a hybrid approach selected.

Next meeting is in a TBD mode for now.

Submitted by:

William D. Arendt

Honored Fellow of the Society

Vinyl Plastics Division

Vinyl Division Newsletter Sponsorship Opportunities

We are actively looking for sponsorships in this newsletter. If your company is interested in supporting the Vinyl Division's newsletter, we offer 5 sponsorship size options. *Sizes are in inches.* Our smallest is slightly larger than a business card: 3.875 width x 2.00 height and our largest is 8.5 x 11 (full page size with bleeds).

We offer sponsorship opportunities at the beginning of each year. Please contact [Peggy Schipper](#), for additional information. A commitment is needed by January 15 and Artwork is needed by February 15, 2019 in order to make our 2019 publication run. Your sponsorship ad will run in 3 electronic publications per year and will be eblasted to our division members. In addition, your sponsorship is posted onto the SPE corporate website where your content can be seen by anyone inquiring. Your requested weblink will be embedded into your artwork so that our viewers can easily click on your sponsorship ad and go right to your website.

Councilor's Report

December 13, 2018 Council Meeting (Remote) Meeting Notes

On December 13, 2018 the Council met via conference call. I attended this meeting to represent the Vinyl Plastics Division. This was a short meeting but some important information was discussed.

Members that passed away since last meeting: Arthur Buckel, Michael R. Cappelletti, Bill Carteaux, John R. Kretschmar, Marc Ommeslagh, Walter J. Schrenk, Norton C Wheeler, Jr.

Financial Update:

	Oct-18	Month	Month Budget	YTD	YTD Budget	Annual Budget
REVENUES						
Membership/HQ (1)		\$147,611	\$159,333	\$1,717,525	\$1,593,334	\$1,912,001
Foundation		\$37,451	\$38,625	\$319,522	\$386,250	\$463,500
HQ Events		\$597	\$833	\$797,699	\$886,833	\$888,500
Supported Events		\$3,958	\$78,500	\$166,261	\$332,500	\$348,500
Total Revenues		\$189,617	\$277,291	\$3,001,007	\$3,198,917	\$3,612,501
EXPENSES						
Membership/HQ		\$218,205	\$243,013	\$2,287,071	\$2,430,134	\$2,916,161
Foundation		\$53,882	\$49,125	\$388,675	\$491,246	\$589,495
HQ Events		\$447	\$157	\$558,627	\$715,468	\$715,781
Supported Events		\$2,325	\$1,250	\$14,118	\$21,900	\$22,600
Total Expenses		\$274,859	\$293,545	\$3,248,491	\$3,658,748	\$4,244,037
RESULTS						
Operational result		(\$85,242)	(\$16,254)	(\$247,484)	(\$459,831)	(\$631,536)
Investment/Interest		\$8,687	\$33,417	\$133,376	\$334,167	\$401,000
Total Result		(\$76,555)	\$17,163	(\$114,108)	(\$125,664)	(\$230,536)
Wiley Deferred revenue		\$12,500	\$0	\$125,000	\$0	\$0
Final Result		(\$64,055)	\$17,163	\$10,892	(\$125,664)	(\$230,536)

Too much red. But it is where we are at. Budget for next year is as follows:

	2018 Budget		2019 Budget	
REVENUES				
Membership/HQ	\$	1,912,001	\$	2,183,001
Foundation	\$	463,500	\$	403,000
HQ Events	\$	888,500	\$	1,019,737
Supported Events	\$	348,500	\$	361,300
Total Revenues	\$	3,612,501	\$	3,967,038
EXPENSES				
Membership/HQ	\$	2,916,161	\$	3,118,151
Foundation	\$	589,495	\$	519,400
HQ Events	\$	715,781	\$	803,719
Supported Events	\$	22,600	\$	18,600
Total Expenses	\$	4,244,037	\$	4,459,870
RESULTS				
Operational Result	\$	(631,536)	\$	(492,832)
Investment/Interest	\$	401,000	\$	120,000
Total Result	\$	(230,536)	\$	(372,832)
Wiley Deferred revenue	\$	150,000		
Final Result	\$	(80,536)	\$	(372,832)



Again, there is a major concern with the budget being in the red. Really no answers were forthcoming. The major issue to achieving a balanced budget seems to be earning of invested funds. If they are low, budget is low. It is also a concern that income from membership dues is higher than budgeted but dues really can not do as necessary.

Continued on next page

The idea here is to switch over to non-dues revenue. The management is trying to do that.

- ◆ Divisions – We deleted a SIG that is inactive.
- ◆ By Laws – We affirmed the policy relating to Article 18.2 – Indemnification – All chapters are required to have insurance to indemnify officers and the chapter in US or the equivalent. The chapters outside of the US need to have the equivalent.
- ◆ ANTEC® preview



ANTEC Preview

- ANTEC *Inspire*
 - Traditional format, Monday – Wednesday noon
- ANTEC *Insights*
 - New programming format, Wednesday 1pm – Thursday
- Added this year
 - Chapter Leader Roundtable
 - Two post-conference evening events in expo hall
 - Expanded time for Council meetings and CCOW
- Registration and Special Pricing Announced – See *Leadership Lane*

All the documents are on the Chain. The next Council meeting will be remote on January 18, 2019.
Comments? Questions? Let me know.

Regards,
William D. Arendt
Vinyl Plastics Councilor
Honored Fellow of the Society of Plastic Engineers, President of Arendt Consulting, Inc.

CALL FOR PAPERS

VINYLTEC® 2019

Megatrends in Vinyl

Automotive, Medical, Construction, & Sustainability

October 1 – 3, 2019
Hilton Akron-Fairlawn, Akron, Ohio

Deadline for Abstracts is February 1, 2019

Presentations due August 30, 2019

Technical Program:
Sam Timpa, BASF
samuel.timpa@basf.com

Chairperson:
Bob Weiler, Amfine
rweiler@amfine.com

VinylTec® 2018 Recap

Vinyltec® is still the best technical conference in our industry and it would not be possible without your continued support. It was great to see many new faces at this year's event!

Vinyltec® was held at the Chicago Marriott O'Hare from October 23 – 25th with over 200 people in attendance. The pre-conference seminar had nearly 110 people registered and introduced participants to formulating with plasticizers, heat stabilizers, lubricants and impact modifiers and other additives in rigid and flexible PVC. The pre-conference seminar also featured testing methods employed to characterize the performance of PVC compounds.

The main program was well attended and focused on flexible topics during the first day and rigid topics on the second day. The main conference packed in 26 presentations during its' 2 days. Mike Terrazas from 3M was the keynote speaker. His keynote focused on innovation and how multiple technology platforms can be combined to create new product lines. Innovation is a key to showcasing the unique qualities of PVC.

Overall feedback on the event was positive and attendees felt the information was helpful to their daily jobs. We also received great feedback on how to make future Vinyltec® conferences even better!

A big thank you to the TPC committee, SPE and the Chicago section for all your efforts and hard work on this year's event. It truly takes a large group of dedicated people to plan this event. A big thank you to our sponsors for their support and to the vendors for sharing their product technology at table top displays.

Next year's event will be held in Ohio at the Hilton Akron/Fairlawn on October 1 – 3, 2019 and will be organized by Sam Timpa (BASF) and the Akron section. See you there!


John Scott
Vinyltec® TPC Chair 2018





ALTERNATIVE RUBBER & PLASTICS

KELIREN® CPE
Chlorinated Polyethylene




PVC IMPACT MODIFIER - offers economic and performance advantages over competitive systems

KELIREN® CPE offers the following:

- Consistency** - Largest CPE reactor in the world ensures quality and consistency.
- Capacity** - The largest privately held CPE production facility worldwide.
- Supply** - Material readily available in local warehouses.
- Selection** - Currently over 22 grades for: Wire & Cable - Hose - Sponge - Extruded Profiles - Membranes - Coated Fabrics and Films - PVC Impact modification

Alternative Rubber & Plastics, Inc.
200 Creekside Drive Amherst, NY 14228
Phone: 888-611-0220 Fax: 716-691-5664
www.altrubber.com info@altrubber.com



You expect more. And Formosa delivers.®

Formosa Plastics offers a full line of PVC resins that deliver the consistency, performance and quality that customers demand. In fact, Formosa is one of the largest PVC manufacturers in the world and our PVC resins are produced in the industry's newest and most modern facilities. But what sets Formosa apart is our determined commitment to customer service and satisfaction. To find out how we can put that commitment to work for you, please call us at 1-888-372-8723.



Formosa Plastics®
9 Peach Tree Hill Road, Livingston N.J., 07039
www.fpcusa.com

3.875" x 2.00"
spot available



Premier Polymers & Processing Consulting, Inc.
P3Consultants
Ella Rabinovitch, Jim Summers, Ron Kaminski
29751 Wolf Road, Bay Village, OH 44140
Office (440) 835-1966
130+ Years Experience in Polymer Industry
Formulating, Compounding, Processing,
Quality & Management Systems, Training,
Industry Standards, Cost Reduction, Innovation
www.p3consultants.com

Board of Directors Minutes (unofficial)

Oct 23, 2018

1. Approval of minutes from 2018 ANTEC® BOD meeting - Dave Peeples moved, Bill Kuhn seconded, all approved

2. COUNCILORS REPORT – Bill Arendt – reviewed report.

New SPE dues structure: registration is now \$135 and does not automatically include extra session or division. These have to be added manually and cost \$10/each. We need to figure out Vinyltec® registration and how to get new member registrants to join the Vinyl Division.

Division Insurance: SPE's did not cover the division previously because we are incorporated and comprised of volunteers. Cost is \$500/year and decision was made to obtain this.

3. COMMITTEE REPORTS

Awards (Alan Gibb / Randy Brown)

Vinyltec® 2017 – Best Technical Presentation – Mark Lavach, Vinyltec® 2017 – Best Business Presentation – David Peters, ANTEC® 2018 – Best Vinyl Technical Paper – Robert Young, Contributions to Vinyl Award – Bill Arendt

Outstanding Service to Vinyl Division – Robert Weiler.

Alan Gibb is retiring by the end of October. Need replacement. Beth Griffin volunteered.

EDUCATION (DAVE OWEN)

2019 Scholarship Applications: five applicants and winners in 2018

MEMBERSHIP (ROMAN WYPART)

502 active members, including 11 student members

TREASURER (RANDY BROWN)

A. Budget Overview

B. Investments

TPC UPDATE (JOHN SCOTT / SAM TIMPA)

A. 2018 Vinyltec® - Chicago

B. 2019 ANTEC® – Detroit: TPC voted unanimously to either not participate (*host a Vinyl or joint session*) or, if allowed, nominate a megatrends speaker

C. 2019 Vinyltec® – Akron: Megatrends theme with two parallel workshops (something along the lines of Vinyl 101 and Formulating/Testing 201)

D. 2020 Vinyltec® – Palisades

E. 2021 Vinyltec® - ?

F. Awards

4. ELECTIONS

Bob Weiler to send out blast requesting nominations/volunteers for councilor, as Bill Arendt is nearing the end of his last allowable term.

5. AWARDS

Nomination for Fellow

2019 – Mark Lavach: Randy Brown moved, Dave Peeples seconded, unanimous aye

Nomination for Honorable Service Member

2018 – Roman Wypart: Application is in progress

2019 – Bob Weiler: Dave Peeples moved, several seconded, unanimous aye

Nomination for Technical Contributions to Vinyl: John Scott to send out nominees list

Continued on next page

Nomination for Outstanding Service to Vinyl Division: TPC has recommended Roman Wypart. David Peoples moved, several seconded, unanimous aye

6. PLASTIVAN - Annual Donation: motion by Alan Gibb to increase to \$3000, unanimous aye

Bob Weiler to ask Plastivan to tell us what they teach

Randy Brown to send letter of invitation to Vinyltec® 2019 along with check

7. NEW BUSINESS

Student Activities – Annual Donation: Dave Peoples moved, Beth Griffin seconded, unanimous aye to repeat 2018 donation.

Membership survey

Need Newsletter Editor: Peggy Schipper to ask Jennifer at the Palisades Section for advice; Bob Weiler to ask Tony

Randy Brown will try to contact advertisers, Dave Peoples to send contact list

Website/Social Media: update by Peggy Schipper

Mock site is put together

Cost is \$200/year

Peggy is taking pics of Vinyltec® to post on our Facebook site (*Like us on Vinyl Division of SPE*)

Adjournment

Award Presentations



Vinyltec® 2017 – Best Business Presentation – David Peters (John Scott (TPC Chair) accepting)



Vinyltec 2017® – Best Technical Presentation – Mark Lavach



Contributions to Vinyl Award – Bill Arendt



Outstanding Service to Vinyl Division – Robert Weiler

Officers / Directors

OFFICERS

President/Chair	Robert Weiler
Vice Chair/President	Emily McBride
Secretary	Emily McBride
Treasurer	Randy Brown
Councilor	William Arendt
Membership Committee Chair	Roman Wypart
Awards Committee Chair	Beth Griffin
Education Committee Chair	David Owen
Newsletter Editor / Communication Chair	Kimberly Rush
Tech Program Chair	John Scott
ANTEC® Conference Chair	Samuel Timpa
Web Content Master	Peggy Schipper

DIRECTORS

William Arendt
Randy Brown
Maryellen Cox
Alan Gibb
Beth Griffin
Michael Jakupca
Emily McBride
Laurent Matuana
Gary Michener
Sylvia Moore
David Owen
William (Dave) Peeples
Robert Weiler
Roman Wypart
Burch Zehner



Please join us on facebook.
Click on facebook logo above



ANTEC® 2019
Detroit, MI • March 18-21, 2019
CO-HOSTED BY SPE DETROIT

GM Renaissance Center, Detroit, USA