

NWAFS 2018 Conference

Boise, ID

Editor's Message

Discussion during the board meetings alway focuses on ways to improve our organization and meet the needs of the members. This organization is made up of a variety of scientists working in different disciplines. It's interesting for me to see the conference committee try to balance educational topics for all of these different forensic disciplines. This next year we will be joining with the regional IAI division for our conference. As we put together the educational conference agenda, if you can think of an area that you would like to see training in - please contact one of the board members. Any and all input is always greatly appreciated.

Cheers-Natasha

About the Newsletter...

Crime Scene is the official publication of the Northwest Association of Forensic Scientists. The Newsletter welcomes submissions from its membership such as technical tips, case studies, literature compilations, workshop or training notifications, reference citations, commentary, historical accounts, and other topics of interest to the membership. The views expressed in articles contained in this publication do not necessarily represent the views of the Northwest Association of Forensic Scientists. The Association neither guarantees, warrants, nor endorses these views or techniques but offers these articles as information to the membership.

Please submit material for publication in Microsoft Word for Windows format as an e-mail attachment or on compact disk (CD). All technical material will be subject to peer review by NWAFS members. Requests for permission of any material contained in this newsletter may be addressed to the editor. Requests, or questions, of technical submissions will be directed to the originating author. For more information regarding the Newsletter contact:

Natasha Wheatley (editor) Ada County Sheriff's Office <u>nwheatley @adacounty.id.gov</u>

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2018 - 2019 NWAFS OFFICERS

Executive Committee

President Ryan Chambers

Oregon State Police

Ryan.chambers@state.or.us

Vice-President Carly Sizelove

Oregon State Police

Carly.sizelove@state.or.us

Member-at-Large Adam Yankee

Utah State Police ayankee@utah.gov

Secretaries

Membership Steven Stone

Washington State Patrol

Steven. Stone @wsp.wa.gov

Secretary-Treasurer Kerry Hogan

Idaho State Police

Kerry.hogan@isp.idaho.gov

Technical Jodie Carney

Idaho State Police

Jodie.carney@isp.idaho.gov

Editorial Natasha Wheatley

Ada County Sheriff's Office nwheatley@adacounty.id.gov

PRESIDENT'S MESSAGE

Greetings from your NWAFS Board of Directors! My hope is that this finds you and yours well and looking forward to a great year! First off, I would like to extend a big thank you to the previous two Past Presidents, Brian Robertson and Brian Medlock. Your hard work and dedication to our organization led to successful meetings in Portland, Oregon (2017) and Boise, Idaho (2018). Each one was well attended and profitable for the organization. As with life, we're always learning and I think some of the decisions made were in our organization's best interest and will benefit us moving forward. Also, let's all welcome Adam Yankee from the Utah Bureau of Forensic Services as our new Member-at-Large. Adam's participation in the organization and willingness to take this on has us all excited for the years to come. As a board, we are conscious of who serves and where they are from. We very much want members from all over the northwest to get involved. Please, if you are interested in serving on the board, let us know.

Looking ahead, the NWAFS Board of Directors is thrilled to have teamed up with the Pacific Northwest Division of the International Association for Identification (PNWD-IAI) for our 2019 conference! Please join us August 26-30 at the Red Lion Hotel on the River, situated on Jantzen Beach and overlooking the Columbia River, just north of Downtown Portland. Conference planning is in full swing and our goal is to have workshops, special research topics, and general session talks available for you to review well in advance of registration opening. Hopefully, that trend continues in the future so our membership can make an informed decision when it comes to reviewing what we are offering sooner, rather than later. We know and recognize that there are many conferences out there, so we sincerely appreciate your continued support. This will also benefit the agencies represented by our membership.

We have some new and exciting things in store that will be a bit different from year's past. For example, the format for this year will be different than what you are used to. We'll kick Monday off with a welcome from both boards and head right into your key-note and general session talks. That evening, join us for a themed social hour on the deck overlooking the river. Tuesday-Thursday will be dedicated to full and half-day workshops, special research projects, and business meetings. Thursday evening will be a banquet/dinner with entertainment. We'll close it out on Friday with a half-day of general session presentations. Also this year, we are going digital with regards to surveys and certificates. Your input on this format will help shape future meetings. Like it? Let us know!

We are still soliciting workshop ideas, special research projects, and general session talks, specifically, Chemistry and Biology/DNA. Pease reach out to me or our hard working Technical Resources Secretary, Jodie Carney (jodie.carney@isp.idaho.gov), if you have ideas or would like to present. We'll get you set up.

Again, thank you, and we hope to see you this August.

Ryan Chambers, President ryan.chambers@state.or.us

NWAFS 2018 Secretary/Treasurer Report

By Kerry Hogan

Old Business

Dreyfus

• We currently hold two investment accounts through Dreyfus. One is the Dreyfus Equity Income Fund (stock option) currently with \$16,794.06 (+1,794.06 from beginning at \$15,000.00 last year) and the other is the Dreyfus Intermediate Term Income Fund (bond option) currently with \$13,443.28 (-141.72 from beginning at \$13,585.00 last year).

•

Wild Apricot

 Continuing to use and pay on a yearly basis. We had Justin Lyman, the website manager, migrate us to a system in which we could keep WildApricot but make any and all changes ourselves, meaning we (mostly Ryan Chambers) are the website manager. So far this has been a beneficial move.

Insurance

• Applied for and have event insurance for this year! The total cost for our insurance was \$104.43. This will be a continued theme for the meetings to protect the organization.

Taxes/Report

- Taxes were filed on April 5, 2018
- Annual Report to the Idaho Secretary of State filed on August 11, 2018

ABC

- Chris Hamburg is the President of the ABC and graciously did not seek reimbursement for travel to meetings this year
- Judi Hoffman is on the ABC Exam Committee and attended the winter meeting in Seattle (February 2018)
- Membership dues paid on January 17, 2018

New Business

2019 Meeting

 Next year we are very happy to be partnering with PNWIAI and the meeting will be back to Portland. You may have noticed the great banner that PNWIAI has sent to display here this year. Keep checking the website for more info on this!

Website

• If you have any difficulties on the website or see any information that is incorrect or have any questions, please don't hesitate to e-mail a board member.

Board Meetings

- Had three phone conference board meetings mainly to keep up to date on planning for the
 2018 meeting and discussed future meetings
- We were able to conduct another in person board meeting on April 5, 2018 in Portland (we
 did this last year as well), and again it was very beneficial for the board in the planning of
 this meeting. NWAFS covered the cost for coffee and lunch which was \$107.90 (last year
 lunch was \$108.00, at least we are consistent).

Accounts:

Account Balances	September 2018S	eptember 2017Difference	e
Chase Savings	\$27,152.25	\$27,138.79	\$13.46
Chase Checking	\$28,787.44	\$26,865.20	\$1,922.24
Dreyfus (combined)	\$30,237.34	\$28,292.08	\$1,945.26
PayPal	<u>\$17,274.15</u>	<u>\$7,133.10</u>	<u>\$10,141.05</u>
Total	\$ <mark>103,451.18</mark>	\$89,429.17	\$14,022.01

2017	Portland Meeting	\$2443.09 PROFIT!	Dues \$10,750
2016	Boise Meeting	\$5,970.71 loss (w/AV)	purchase) Dues \$6,555.00
		\$2,528.31 loss (w/o AV	/ purchase)
2015	Spokane Meeting	\$16,122.24 loss	Dues \$4,590.00
2014	Rohnert Park Meeting	\$1,573.00 loss	Dues \$6,815.00

2018 Year-to-date Expenses

•	ABC annual dues	\$500.00
•	ABC Board member meetings	\$271.31
•	Office supplies (ink, stamps, paper, name tag supplies)	\$150.77
•	Website updates-last payments before update	\$500.00
•	Peak Internet	\$158.64
•	Wild Apricot	\$756.00
•	Meeting swag (will have extra)	\$887.82

Technical Paper

Katherine Martin, Ada County Sheriff's Office Intern

The Effects of Bluestar on Presumptive Tests for Blood

Abstract:

Presumptive tests for blood need to be sensitive in order to detect blood that is not readily visible. Furthermore, presumptive tests for blood have different applications and sensitivities. One presumptive test that is particularly useful to a crime scene responder is Bluestar. Bluestar is a reagent that uses chemiluminescence and is aerosolized through a spray bottle covering large areas. Bluestar is practical for crime scene use because it can detect blood in large areas, but has drawbacks with shelf life and false positives. Thus, other presumptive tests for blood have a role in crime scene investigation. This study looked at the sensitivities of Bluestar and three other presumptive tests: leucomalachite green, phenolphthalein, and ortho-tolidine. The study also looked at how applying Bluestar first may affect the results of the other tests. The sensitivities were studied with serial blood dilutions ranging from 1:1 to 1:1,000,000. Bluestar was found to be the most sensitive detecting blood at 1:100,000 dilution. Furthermore, Bluestar decreased the sensitivities of the leucomalachite green and ortho-tolidine test, when Bluestar was added to the blood before the other reagents.

Introduction

In order to distinguish Bluestar from the other tests in this study, Bluestar will be called a preliminary test. Bluestar is a preliminary test because it can detect blood that is at very low levels, but Bluestar is not specific to blood. Bluestar can react with other chemicals such as bleach and result in a false positive. Thus after Bluestar is used, an additional presumptive test is performed to specify the sample as blood. Bluestar and most presumptive tests for blood use the peroxidase-like activity of hemoglobin in blood to cause a visible color change. Sensitivity is the boundary of when there is still enough heme to react with the reagent even though the solutions are dilute. Since presumptive tests can detect blood that could be obscured by cleaning and other means, they are very useful in forensic analysis.

This study was designed to test the sensitivity of Bluestar and three presumptive tests for blood: leucomalachite green, ortho-tolidine, and phenolphthalein. It also addressed whether applying Bluestar first interfered with the remaining three tests when they were subsequently applied. A range of 1:1 to 1:1,000,000 was chosen for the serial dilutions since previous studies had shown the sensitivities to land in this range. It was also shown that the nature of the surface the blood was on could have an effect on the sensitivity of the test [1]. Thus to eliminate the surface as a factor, this study looked at liquid blood dilutions in test tubes.

Bluestar is often applied first because it is a spray that can cover large areas at one time. In the presence of blood, a blue chemiluminescence (near 430nm) is observed. The blue light of the reaction is emitted when the reagent reacts with the iron in the hemoglobin [2]. Since Bluestar is a spray and the other three tests are applied as drops, the volume of reagent sprayed in a typical application was converted to volume in liquid drops that could be added to a test tube. This was done by measuring the liquid volume which came out of spray bottles in a typical application. The purpose of this study was twofold:

first to evaluate the sensitivity of Bluestar to liquid dilutions of blood, and secondly to identify if the application of Bluestar had any adverse effects on subsequent presumptive blood reagents.

Materials and Methods

The initial part of the study was to determine how much blood and reagent were to be used. The number of drops of Bluestar was determined through a study of different spray bottles. Two different spray bottles were filled with water. Per the manufacturer's recommendation for the area to be sprayed, each was sprayed five times directly over a test tube to replicate the recommendation. The water was then pulled up in a pipette, and dropped out while the drops were counted.

This procedure was repeated four times per bottle. The average volume was equal to eight drops of water per five sprays.

Thus eight drops of Bluestar was chosen to replicate the typical Bluestar application which was added in each sample test tube.

Serial dilutions of cow blood were made using an Eppendorf pipette that was rated for $100\mu L$ to $1000\mu L$. The dilutions were 1:1, 1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, and 1:1,000,000. This range was chosen based on previous studies with Bluestar [2]. 1 mL sample aliquots were chosen based on the Eppendorf pipette minimum of $100\mu L$. The blood dilutions sat capped in test tubes at room temperature for two weeks to homogenize and age.

After the two weeks, Bluestar was prepared according to manufacturer's specifications. After it was made, it reacted positive on a known sample. To confirm the manufacturer's instructions that Bluestar needs to be made fresh, two week old Bluestar was tested on a known sample and no reaction was seen. Pictures were taken of the test tubes in a row to see the dilution. Pictures were also taken of each test tube before the Bluestar was added. There were two sets of serial blood dilutions. One set would have Bluestar added, and the other would not. A positive control was a known blood sample, and a negative control of water was used. The procedure was to add the eight drops of Bluestar, take a picture, and then swab the test tube. The swab was submerged and swirled around. It was noted whether or not the Bluestar reaction was observed. The test tubes that did not get Bluestar were also swabbed. The swabs were then allowed to dry in a drying chamber without contamination, and the test tubes were capped.

After three days, when the swabs were fully dry, they were each cut into three pieces. Each piece was then tested with a different blood reagent: phenolphthalein, ortho-tolidine, and leucomalachite green. The phenolphthalein was in a pre-manufactured tube that was first broke and mixed, and it then reacted positive with the positive control. The leucomalachite green and ortho-tolidine were previously made in the lab. The leucomalachite green reacted positively with the control without the oxidant of hydrogen peroxide. The ortho-tolidine reacted positive with the hydrogen peroxide. Each piece of the swabs received a drop of one of the reagents. The leucomalachite green and ortho-tolidine were each followed by a drop of hydrogen peroxide, and it was noted if the reaction was seen without the hydrogen peroxide.

The test tubes with and without the Bluestar sat capped for two weeks. They were then swabbed again, and the same process of testing the swabs was carried out. All results were recorded.

Results

The Bluestar reaction was observed up to the 1:100,000 dilution in the immediately prepped blood samples. Leucomalachite green detected the blood at 1:100 with the Bluestar application and 1:1,000 without the Bluestar in the blood. Phenolphthalein reacted at 1:100 with and without the Bluestar application. Ortho-tolidine detected blood at 1:10,000 with and without Bluestar. After the two week waiting period, the leucomalachite green tested at the same levels as when applied to the immediately prepped samples. However, the ortho-tolidine levels changed to 1:100 with Bluestar and 1:1,000 without

Bluestar application. Phenolphthalein also tested lower with the Bluestar at 1:10 compared to 1:100 without. See tables in the appendix for full results.

Discussion

Bluestar was the most sensitive test as chemiluminescence was observed with the 1:100,000 dilution. Though Bluestar was the most sensitive, it is not the most practical in all cases. Since Bluestar must be used within a few hours of preparation, it would not be practical for small areas because a lot of the solution would be wasted. For small stains or areas, ortho-tolidine would be more practical because it has a longer shelf life than Bluestar, and it has a higher sensitivity than the leucomalachite green and the phenolphthalein. Though it should be noted that ortho-tolidine has some health concerns as a possible carcinogen. Bluestar affected the ability of the leucomalachite to detect blood initially, but did not affect ortho-tolidine and phenolphthalein's ability to detect blood in the first phase of the study. The effect of Bluestar was seen immediately with the leucomalachite green, since the reagent could detect one dilution further without the Bluestar application. The effect of Bluestar on the ortho-tolidine was seen after the two week waiting period. The ortho-tolidine dropped two levels with the Bluestar and one level in the blood without the Bluestar. This suggests that ortho-tolidine itself is not as sensitive with older blood. Phenolphthalein was the least sensitive across the board, and dropped a level of sensitivity with Bluestar in the blood after two weeks. Leucomalachite green fell in the middle range of sensitivity, and the sensitivities did not change with time. All presumptive tests for blood have their place, and the context of each crime scene will help determine which presumptive test should be used as coverage area and age of the blood will play a role.

Conclusion

This experiment assessed the sensitivity of Bluestar and how it affected the other presumptive tests that could be used after the Bluestar was applied at a crime scene. Eight drops of Bluestar were added to the test tubes because testing showed eight was the average. Bluestar also needs to be made fresh. Bluestar was more sensitive than the three other presumptive reagents tested. Furthermore, Bluestar affected the sensitivity of the leucomalachite green at the beginning. It also affected the sensitivity of the ortho-tolidine and phenolphthalein after the Bluestar sat for two weeks. Future experiments could test where in between 1:100,000 and 1:1,000,000 does Bluestar no longer detect the blood. Studies could also look at allowing the Bluestar to sit in the blood for a longer period of time. Overall, the initial application of Bluestar only caused minimal effects on the other presumptive tests.

References

- 1. Luedeke, M.; Miller, E.; Sprague, J. technical Note: The effects of Bluestar and luminol when used in conjunction with tetramethylbenzidine or phenolphthalein. Forensic Science International. 2016, 262, 156-159.
- 2. Vaughan, J. The Effects of Bluestar on the Kastle-Meyer Presumptive Test for Blood. Journal of Forensic Identification. 2011, 61(1), 38-49.

Appendix

Table 1: Bluestar Reaction

Dilution	1:1	1:10	1:100	1:1,000	1:10,000	1:100,000	1:1,000,000	Water
Bluestar Reaction Seen	Yes	Yes	Yes	Yes	Yes	Yes	No	No

Table 2: Initial Presumptive Tests After Bluestar Applied

Dilution	LMG Reaction	PH Reaction	OT Reaction
Known	Yes w/o H2O2	Yes	Yes
1:1 w/ BS	Yes w/o H2O2	Yes	Yes
1:10 w/ BS	Yes w/o H2O2	Yes	Yes
1:100 w/ BS	Yes w/o H2O2	Yes	Yes
1:1,000 w/ BS	No	No	Yes
1:10,000 w/ BS	No	No	Yes
1:100,000 w/ BS	No	No	No
1:1,000,000 w/ BS	No	No	No
1:1,000,000 w/o BS	No	No	No
1:100,000 w/o BS	No	No	No
1:10,000 w/o BS	No	No	Yes
1:1,000 w/o BS	Yes	No	Yes
1:100 w/o BS	Yes w/o H2O2	Yes	Yes

1:10 w/o BS	Yes w/o H2O2	Yes	Yes
1:1 w/o BS	Yes w/o H2O2	Yes	Yes
water	No	No	No

Key:

BS = Bluestar

LMG= Leucomalachite Green

PH = Phenolphthalein

OT= ortho-tolidine H2O2= Hydrogen Peroxide

w/= with

w/o= without

Table 3: Presumptive Tests after Two Weeks with Bluestar

Dilution	LMG Reaction	PH Reaction	OT Reaction
Known	Yes w/o H2O2	Yes	Yes
1:1 w/ BS	Yes w/o H2O2	Yes	Yes
1:10 w/ BS	Yes w/o H2O2	Yes	Yes
1:100 w/ BS	Yes	No	Yes
1:1,000 w/ BS	No	No	No
1:10,000 w/ BS	No	No	No
1:100,000 w/ BS	No	No	No
1:1,000,000 w/ BS	No	No	No
1:1,000,000 w/o BS	No	No	No

1:100,000 w/o BS	No	No	No
1:10,000 w/o BS	No	No	No
1:1,000 w/o BS	Yes	No	Yes
1:100 w/o BS	Yes w/o H2O2	Yes	Yes
1:10 w/o BS	Yes w/o H2O2	Yes	Yes
1:1 w/o BS	Yes w/o H2O2	Yes	Yes
water	No	No	No

Key:

BS= Bluestar

LMG= Leucomalachite Green

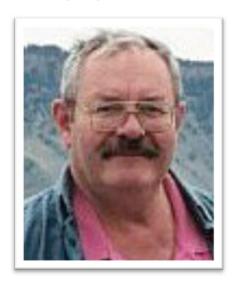
PH= Phenolphthalein OT= ortho-tolidine

H2O2= Hydrogen Peroxide

w/= with w/o= without

Life Member Memorial

Jonathan G. Spilker June 5, 1948 - Nov. 26, 2018



On November 26 Jonathan "Jon" Spilker passed peacefully at his home in Pendleton. He was 70 years old.

Jon was born in La Grande on June 5, 1948. His parents were Glenn Spilker and La Fern Kilborn Hardy. Jon met his wife Patti in 1983. They were married 33 years.

Jon completed a college degree in chemistry and began work for Oregon State Police in 1972. He worked for the state police for his entire career and retired as the crime lab director in 1998. Jon also taught forensic science

classes at BMCC for 34 years.

Jon was passionate about education and community service. He loved his students and volunteered with the Lions Club for 33 years. He received the Pendleton Man of the Year award in 2011. Jon served as the "kitchen witch" running the Christmas Eve Dinner at BMCC for over 18 years. Jon also enjoyed the outdoors, camping, fishing and shooting and he loved to take trips with his family.

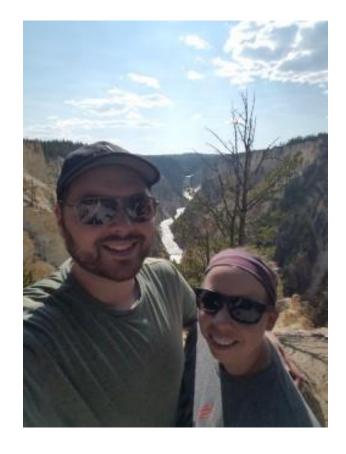
Jon is survived by his wife Patti; his sister Jeannie Hagenah; his two daughters, Jeanie and Beverly Spilker; and one granddaughter, Tonya Knowles. He was also very close to his three nieces.

In lieu of flowers donations can be made to the Jon Spilker Emergency Scholarship Fund (BMCC, P.O. Box 100, Pendleton, OR 97801), or Pendleton Lions Club (P.O. Box 302, Pendleton, OR 97801).

A celebration of life is planned for June 2019

Adam Yankee NWAFS Member at Large Forensic Scientist, Utah State Lab

Adam Yankee grew up in the town of Grants Pass, Oregon where he developed a love for the outdoors and especially spending time out on the river tackling white water rapids. Eventually, he left the greenery of Oregon for the snow covered mountains of the Salt Lake valley in Utah where he received a B.S. degree in biology from BYU in 2014. Shortly after receiving his degree he began working as an analyst for American West Analytical Laboratories environmental lab as well as performing an internship with the Utah Bureau of Forensic Services. After a little bit of time and patience the effort of working both a full time job and maintaining his internship duties finally paid off when he was offered a full time position as a forensic scientist with the Utah state crime lab beginning his forensics career late 2015. His duties today include serology as well as DNA interpretation. In his free time he enjoys collecting and playing board games particularly those with an emphasis on strategy.



Membership Secretary Report 2018

The following has been approved by the 2018 Membership Committee:

Applicants for Provisional Associate Membership

Last Name	First Name	Organization
Berrena	Taylor	Boston Univ. School of Medicine

Applicants for Provisional Regular Membership

Last Name	First Name	Organization
Delaney	Jennifer	Boise PD
Dyer	Jonathan	OSP-Clackamas
Moon	Marlee	Utah Bureau of Forensic Services
Ross	Olivia	WSP-Vancouver
Vo	Ngan	OSP-Clackamas
Whitley	Lori	OSP-Central Point

Elevation from Provisional Associate Member to Associate Member

Last Name	First Name	Organization
Cooper	Rockefeller	Jefferson County Office of the Coroner and Medical Examiner
Lopez	Brian	Thermo Fisher

Elevation from Provisional Regular Member to Regular Member

Last Name	First Name	Organization
Arrabit	Monique	Oregon State Police
Bennett	Hanna	Utah Bureau of Forensic Services
Buttler	Jessica	Oregon State Police
Halsing	Eric	DOJ-CA
Nelson	Jennifer	Oregon State Police
Nelson	Alexis	Utah Bureau of Forensic Services
Rutter	Addison	Oregon State Police
Storment	Kristen	Washington State Patrol
Ward	Erin	Oregon State Police
Wright	Darren	Oregon State Police
Yankee	Adam	Utah Bureau of Forensic Services

The following members have not met the requirements within 3 years for the promotion out of Provisional status and are eligible for demotion to Associate Status

Last Name	First Name	Organization
Allen	Jennifer	Washington State Patrol
Goodwin	Amanda	Oregon State Police
Hugie	April	Washington State Patrol
Mills	Heather	Utah Bureau of Forensic Services
Price	Deborah	Washington State Patrol
Quinney	Tomasine	Idaho State Police
Wright	Christine	Montana Forensic Services Division

The following members have voluntary resigned

Last Name	First Name	Organization
Amick	Janeice	Anchorage PD
Davis	Glenn	WSP-Spokane
Doerr	Julie	DOJ-CA
Hamilton	Hayne	
Kambara	Choon	WSP
Lasater	Boyd	DOJ-CA
Mattox	Tina	ISP

The following members have not paid dues for at least two years and are eligible for removal from the organization

Last Name	First Name	Organization
Allen	Andrew	
Bernadt	Krista	Massachusetts State Police
Dovci	Jeff	Dovci Forensic Consulting
Harmor	Gary	Serological Research Institute
McDermot	Martin	Washington State Patrol
Neilson	Erik	Washington State Patrol
Putnam	Brad	ASCLD/Lab
Wilkins	Amy	

Another year down with catching up hopefully complete. Wild Apricot still works and the next membership secretary should have an easy transition.

Membership totals:

Membership Level	Total
Provisional Associate	2
Associate	24
Provisional Regular	30
Regular*	170
Life*	12

^{*}Amount needed for Quorum is whomever is here

2018 Membership Committee:

- Hanna Bennett Utah Bureau of Forensic Services
- Brady Booth Oregon State Police
- Raymond Grimsbo Intermountain Forensic Lab

Open Board Positions:

Open for 2018:

- 1. President
- 2. Vice President
- 3. Member-At-Large
- 4. Membership Secretary

NWAFS 2018 Boise

Business Meeting: Wednesday September 19, 2018 Minutes by Secretary-Treasurer Kerry Hogan

Meeting called to order at 1431mst

Board of Directors members in attendance: President-, Vice President-, Member at Large-, Membership Secretary-, Secretary/Treasurer-Kerry Hogan, Editorial Secretary-Natasha Wheatley

Not in attendance: Past President-Brian Medlock

Quorum required-whoever is present at the meeting-quorum met

Approval of last year's business meeting minutes
Brian Robertson entertained a motion to approve minutes
Dan Alessio made the motion to approve the minutes
Corinna Owsley seconded the motion
All in favor, unanimous vote, motion carries-minutes approved

President Brian Robertson Report

- -Thank yous: everyone, board, life members
- -Conference planning-First round going from a smaller conference to a larger and back to a smaller conference, seems to have worked very well. Good workshops and talks.
- -Tanna Brown-Appointed as our new ABC rep
- -Next year's conference-Back to PDX, August 26-Sep 4
- -Montana Skype Attendance-Worked really well, allowed two Montana people to attend some workshops

Vice President Ryan Chambers Report

- -Website-lots of changes have happened, more frequent updates, we now have admin privileges to make more updates to what we want.
- -Facebook-Big push this year on social media, hoping to reach more people through posts and to get interest during the meeting. Boosting causes things appear on friends pages and friends of friends.
- -Tonight's activities-Clairvoyant brewing; trivia at 1900; Japanese food truck

Member at Large Carly Sizelove Report

- -Future meetings (SLC)-Solicited feedback from members to see where to go next; moving to Salt Lake for 2020. More interest from Utah members, the board is excited for this.
- -Strongly encourages board membership, committee participation and membership in general. To become a regular member can attend a conference or be on a committee.

Technical Secretary Jodie Carney

Solicitation for special research topics/workshops-Abstract submission form on website, encouraging presentations, deadlines will be moved up for next year. Hopefully we will have the schedule out earlier to assist with registration.

Editorial Secretary Natasha Wheatley Report

-Two articles for the next newsletter; takes a while to go through review process

Secretary/Treasurer Kerry Hogan Report (see report in folder)

Membership Secretary Steve Stone Report (see report in folder)

WildApricot basically runs on autopilot. Everything for applying for membership is clicking a button and filling things out. Follow up is not the best; Steven will work on this for this year.

Two WA people at this meeting, Steven and Matt Noedel. Steven is trying to push for an increased membership and conference attendance.

Proposing to take out provisional associate membership as an option for membership

-Applicants/Nominations for open positions

Steven stone moved to make a motion to accept demotion and promotion of members listed in the report

Carly Sizelove made the motion to accept the demotion/promotion of members in the report Natasha Wheatley seconded the motion

All in favor, unanimous vote, motion carries

Board Positions

-President

Steven Stone entertained a motion for nominations for President

Brian Robertson made the motion to nominate Ryan Chambers

Dan Alessio seconded the motion

Rvan Chambers left the room for vote

All in favor, unanimous vote, motion carries, Ryan Chambers is president

-Vice President

Steven Stone entertained a motion for nominations for Vice President

Brian Robertson made the motion to nominated Carly Sizelove

Heather Campbell seconded the motion

Carly Sizelove left the room for vote

All in favor, unanimous vote, motion carries, Carly Sizelove is vice president

-Member at Large

Steven Stone entertained a motion for nominations for member at large

Jodie Carney made the motion to nominate Adam Yankee

Hannah Bennet seconded the motion

Adam stated he was on the conference planning committee and wants to be more involved with the organization

Brian Robertson made a motion to nominate Erin Ward

Carly Sizelove seconded the motion

Erin wrote a letter Brian Robertson read. Erin has been a chemist in OSP 4 years, and was a scientist for 2 years in California; she would like to be involved, and is detail oriented and organized. Erin was also on the technical committee.

Adam Yankee left the room for a secret vote

Adam Yankee was voted in and is the member at large.

-Membership Secretary

Steven Stone is willing to stay for a second term

Brian Robertson entertained a motion for nominations for member at large

Heather Campbell made a motion to nominate Erin Ward

Nici Vance seconded the motion

Natasha Wheatley made a motion to nominate Steven Stone Jodie Carney seconded the motion

Steven Stone left the room for a secret vote Steven Stone was voted in and is membership Secretary

New Business (moderated by Brian Robertson)

- -The board has decided to split the Secretary/Treasurer position and have the Editorial Secretary absorb the Secretary duties.
- -Dan Alessio-Long time AFTE by-law chair; last year became life member of NWAFS and went to the NWAFS by-laws and there is no role for life member. He is proposing, and will take charge of, writing up a roll for life member.

Board agrees that life members have a lot of wisdom and information and also mentoring of board.

Dan will write the proposal and the board will look at it and take into consideration

-Scholarships-(Heather Campbell)

Have someone chair/spearhead promoting scholarships and make announcements more consistent. There are many forensics organizations and it is hard for people to choose which to support. Perhaps if more members are involved pushing info out there would be more involvement.

Fun committee-also possible life member duty to encourage/organize

No further new business to discuss

Brian Robertson entertains motion to close the business meeting Natasha Wheatley made a motion to close the business meeting Steven Stone seconded the motion All in favor Business meeting closed at 1516mst

CAPTION THIS!

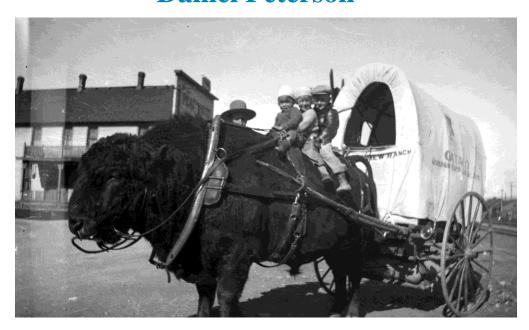


The best caption submitted for this photo will win a \$25 gift card of your choice!

nwheatley@adacounty.id.gov

CAPTION THIS WINNER!

Congratulations to: Daniel Peterson



Winner goes to:

"Buffalo Boys bumming a ride – before Uber, there was Ubison"

Runner up goes to: Kari O'Neill

"The First Buffalo Wild Wings"

Upcoming Training

ADVANCED FABRICS BLOODSTAIN PATTERN ANALYSIS TRAINING COURSE,

May 13-17, 2019

Forensic Science Training Institute

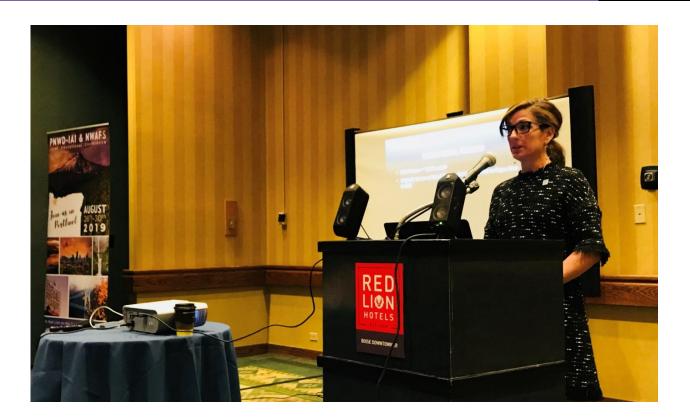
Cedar Crest College, Allentown, Pennsylvania

Instructors: Dr. Mark Reynolds and Edmund (Ted) Silenieks

Participants will undertake 40 hours of structured lectures and practicals designed specifically to increase knowledge on textile properties and how they can influence bloodstain appearance and the bloodstain pattern analysis on clothing. The course will review the underpinning principles of BPA and how accepted principles for stain interpretation on static non-porous surfaces don't apply to the interpretation of bloodstains on clothing and other textiles. When examining clothing, the practitioner must be mindful of influences such as the textile construction, absorbency and fiber type, all of which may affect the final appearance of bloodstains.

Workshop description and registration: https://www.cedarcrest.edu/forensic/19/1.htm

For questions or information regarding course content, please contact either Mark Reynolds, renoforensics1@gmail.com, or Ted Silenieks, ted.silenieks@sa.gov.au.
For questions on registration, please contact Sheila Heller, syheller@cedarcrest.edu



Pictured Above: Keynote speaker Dr. Nici Vance



Thank you to all those that attended, presented, and worked hard for the success of the 2018 conference!



Got an interesting technical note, informative article or research project?

Make a submission to the NWAFS newsletter, and you could win FREE REGISTRATION to an upcoming NWAFS meeting!

The officers vote for the "Best Independent Newsletter Submission" once per year and award a FREE REGISTRATION to the winner.

NWAFS REGISTRATION



ADMIT ONE

FREE REGISTRATION
ONLY ONE WINNING AUTHOR PER SUBMISSION
EXPIRES 3 YEARS FROM AWARD

Help keep the NWAFS newsletter interesting and informative by sending your submissions to:

Natasha Wheatley, NWAFS Editor nwheatley@adaweb.net