Denver Marriott Tech Center
4900 S. Syracuse Street
Denver, CO 80237

2019 CWWCA Annual Conference
January 9-11, 2019

MAKE YOUR RESERVATIONS NOW!

We are accepting hotel reservations for our upcoming conference. Through this website https://book.passkey.com/go/CWWCAJan2019 you can book, modify or cancel your hotel reservations and receive updated information about the event. Or call 1-800-228-9290 and mention CWWCA! We look forward to seeing you!

Standard Room Rate: $123.00 + tax.
The cutoff date to reserve that rate in the room block is December 17, 2018.

Inside this issue:

- Advertising Information
- CWWCA Calendar of Events
- President’s Report
- CWWCA Annual Conference Program
- CWWCA Annual Conference Registration Form
- 2019 CWWCA Annual Conference Supplier/Manufacturer Registration Form
- CWWCA Legislative Report
- DWR (Division of Water Resources) Report
- TWG (Technical Working Group) Report
- CWWCA Buck Lively Scholarship Application
- Safety First
- BOE (Board of Examiners) Report
- 2019 CWWCA Membership Application
- Driller and/or Pump Installer Apprenticeship Program
- CWWCA Board Members and Committees
DRILLSTEM ADVERTISING
Advertising rates for the DRILLSTEM, a quarterly publication of CWWCA
Classified ads are $1.00 per 3.5-inch line.

<table>
<thead>
<tr>
<th>Number of Issues</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Page 7&quot;x10&quot;</td>
<td>$250</td>
<td>$450</td>
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<td>$150</td>
<td>$285</td>
<td>$405</td>
<td>$510</td>
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<tr>
<td>Quarter Page 3.5&quot;x5&quot; or 7&quot;x2.5&quot;</td>
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<td>$172</td>
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<td>$50</td>
<td>$95</td>
<td>$135</td>
<td>$170</td>
</tr>
</tbody>
</table>

Help wanted ads will not be published.
Seeking employment ads will be published.

COPIES MUST BE CAMERA READY OR TRANSMITTED ELECTRONICALLY (.doc, .pdf, or .jpg format)
Please be sure to include all borders in the given dimensions (width x height) at 600dpi.
Avoid using colors in the ads since the DRILLSTEM is printed in black and white.
For full formatting requirements, please visit our website at CWWCA.org.

SEND PAYMENT TO:
CWWCA
P.O. Box 100919
Denver, CO 80250
Phone: 720-244-8024
Fax: 720-208-0620
PLEASE EMAIL CONTENT AND ADS TO:
E-mail: execdir@cwwca.org
Credit card payments taken by phone.

WEBSITE ADVERTISING
BANNER ADVERTISING
There is a banner advertisement on every page of the website. The advertisements rotate sequentially, so every ad will have equal display time. If the demand for banner advertisements warrants it, additional banners will be incorporated into the site.

One-Year Banner Advertisement: $100.00
If the advertiser is a CWWCA member, this fee also includes a free upgrade of your member directory listing. Banner ads should be 285 pixels wide x 96 pixels high, .jpg format and in landscape orientation.

MEMBER DIRECTORY UPGRADE
CWWCA members may choose to upgrade their listing in the searchable member’s directory.
Upgrading allows your listing to be displayed at the top of searches and sorts. It allows your listing to link to your website. And upgrading allows you to display your logo or picture of your choice with your listing.

One-Year of Directory Upgrade: $50.00
Pictures for the listing should be submitted in .jpg format and should be 225 pixels wide, by 150 pixels high.

COLORADO WATER WELL CONTRACTORS ASSOCIATION
www.cwwca.org

AMERICAN GROUND WATER TRUST
www.AGWT.org; privatewell.com

BOARD OF EXAMINERS
www.water.state.co.us/boe

COLORADO GROUND WATER ASSOCIATION
www.cgwa.co

NATIONAL GROUND WATER ASSOCIATION
www.ngwa.org

WORLD WIDE DRILLING RESOURCE
www.worldwidedrillingresource.com

CWWCA CONTACTS
Executive Director
Karie Walker
P.O. Box 100919
Denver, CO 80250
Phone: 720-244-8024
Fax: 720-208-0620
E-mail: execdir@cwwca.org

CWWCA Lobbyist
Richard G. Brown
Mobile: 303-601-9254
Phone: 303-695-6388
E-mail: dickscuba@gmail.com

CWWCA CALENDAR OF EVENTS

January 9-11, 2019  CWWCA Annual Conference  Denver Marriott Tech Center  Denver
January 11, 2019  CWWCA Board of Directors Meeting  Denver Marriott Tech Center  Denver
February 4, 2019  BOE (Board of Examiners)  1313 Sherman Street  Rm. 818  Denver
May 6, 2019  BOE (Board of Examiners)  1313 Sherman Street  Rm. 818  Denver
August 5, 2019  BOE (Board of Examiners)  1313 Sherman Street  Rm. 818  Denver
November 4, 2019  BOE (Board of Examiners)  1313 Sherman Street  Rm. 818  Denver
4th Quarter President’s Report

As we wind down 2018 and plan for 2019, I’d like to begin by thanking those who’ve worked beside me on the board for the past year. This includes all board members and of course the Executive Director, Karie. Aside from the routine tasks offered to the board every year, 2018 presented a few unique responsibilities throughout the year and due to the efforts of the board members, the association is heading in the right direction! It has been a pleasure working beside you all this past year and I look forward to seeing the association grow and gain strength in the future.

The Board of Directors serves as the leadership for the democratic process that is the existence of our association. I encourage anyone who has the desire to serve on the board to inquire about a position, new candidates are always welcome!

Looking back at 2018 we saw the association in an essential role with the Colorado Office of the State Auditor, who has started a performance audit of the Water Well Inspection Program in the Department of Natural Resources. Hopefully these efforts will result in increased funding for the Inspection Program. We’re patiently waiting for and looking forward to the outcome.

We also saw the CWWCA Scholarship Committee award a total of 13 scholarships to this year’s recipients! Congratulations again to all the recipients and a huge thank you to everyone who made contributions towards our scholarship fund which makes these scholarships possible.

Mark your calendars, the Annual Conference will be January 9th-11th, 2019 at the Denver Marriott Tech Center. The Program Committee put together a quality line up of topics and speakers and we look forward to a social gathering with fellow contractors and members. We will once again be holding a dinner auction to raise money for future scholarships and welcome any and all gift donations to be part of the auction. Be sure to make your reservations and we hope to see everyone there.

As membership renewals are being processed for 2019, I’d like to thank current members for your continued membership and support of the CWWCA and hope our membership numbers grow for the coming years. Encourage fellow contractors or associates who are not members to join and get onboard as we build a stronger association together.

In closing, thanks again for the opportunity to serve on the board and thanks to those I’ve served beside. Best wishes for a safe and happy holiday season to you, your friends and family, coworkers and associates. Merry Christmas and Happy New Year!

2018 CWWCA President

Brad Himes

DON’T FORGET! OUR BUCK LIVELY SCHOLARSHIP PROGRAM IS NOW A 501(c)(3). SO, CASH DONATIONS AT THE ANNUAL CONFERENCE BUCK LIVELY SCHOLARSHIP AUCTION, ARE TAX DEDUCTIBLE!

the DRILLSTEM WINTER 2018
Wednesday, January 9

PM
3:00 5:00 Early Registration & Early Exhibitor Set-Up  
   Rocky Mountain Event Center
4:00 5:00 Technical Working Group  
   Lupine Room
5:00 7:00 Supplier Sponsored Social in Exhibit Area  
   Rocky Mountain Event Center

Thursday, January 10

AM
6:30 8:00 Registration & Continental Breakfast in Exhibit Area  
   Rocky Mountain Event Center
7:00 8:00 Past President’s Breakfast  
   Pint Brothers Restaurant
7:00 10:30 Exhibitor Set-Up  
   Rocky Mountain Event Center
7:45 8:00 CWWCA Board Members Only Working Meeting  
   Lupine Room
8:00 8:30 Lightening Round-Exhibitor Introductions  
   Evergreen A-B
8:30 9:20 “Something to do with Vertical Turbine Pumps, Details to be Determined” Jeff Canfield, Canfield Drilling Company  
   Evergreen A-B
   Evergreen A-B
10:30 10:45 SUPPLIER SPONSORED COFFEE & PASTRY BREAK IN EXHIBIT AREA  
   Rocky Mountain Event Center

CONCURRENT – PLEASE PICK ONE
10:45 11:30 Membership Meeting  
   Evergreen A-B
10:45 11:30 “Passing the State Licensing Test - Prep Session: Ask the Green Jacket” - No CE Credit  
   Ray Newmyer, M.G.W.C., NWP Drilling & Consulting  
   Evergreen C
11:30 12:30 LUNCH – Installation of Officers & Awards in Exhibit Area  
   Rocky Mountain Event Center
Thursday, January 10
PM
CONCURRENT– PLEASE PICK ONE
12:30 1:20 “Visit Suppliers – Enter Raffles for Suppliers Giveaways”  *1 hr
Rocky Mountain Event Center
12:30 1:20 “Passing the State Licensing Test – Prep Session: Ask the Green Jacket” - No CE Credit
Ray Newmyer, M.G.W.C., NWP Drilling & Consulting
Evergreen C
1:30 2:20 “CPR Skills Review”  *1 hr
Gene & Vicki Wagner, State Certified Emergency Medical Providers
Evergreen A-B
1:30 2:20 Supplier Meeting
Lupine Room
2:20 2:40 SUPPLIER SPONSORED COFFEE & COOKIE BREAK IN EXHIBIT AREA
Rocky Mountain Event Center
2:40 3:30 MeClhlliney Lecture: “Drilling Markets & Drilling Disasters”  *1 hr
Gary Hix, RG, CWD/PI
Evergreen A-B
3:40 4:30 “Solar Pumps: Sizing, Components, & Troubleshooting”  *1 hr
Bob Reimund, GRUNDFOS
Evergreen A-B
4:30 5:30 Happy Hour & Buck Lively Scholarship Silent Auction in Exhibit Area
Rocky Mountain Event Center
5:30 6:30 Dinner Buffet in Exhibit Area
Rocky Mountain Event Center
6:30 7:30 Buck Lively Scholarship Live Auction in Exhibit Area
Rocky Mountain Event Center

Friday January 11
AM
7:00 8:00 Continental Breakfast
Outside Evergreen A-B
7:00 12:00 Exhibitor Tear-Down
Rocky Mountain Event Center
8:00 9:00 “DWR Update”  *1 hr
Kevin Donegan, DWR
Evergreen A-B
9:10 10:00 “Hydrogeology & Aquifer Systems of Colorado”  *1 hr
Chris Sanchez, Bishop Brogden Associates, Inc.
Evergreen A-B
10:00 10:10 SUPPLIER SPONSORED COFFEE & PASTRY BREAK
Outside Evergreen A-B
10:10 12:00 “DOT: Load Securement & Utility Exemption”  *2 hrs
Ryan Byers, Front Range Compliance
Evergreen A-B
12:15 2:30 CWWCA Board of Directors Meeting - Working Lunch
Lupine Room

Note: * Indicates Approval for Continuing Education
10 CE Hours Offered * 8 CE Hours Required in CO * 8 CE Hours Approved in CO
FREE SHIPPING ON IN-STOCK ITEMS!
CWWCA ANNUAL CONFERENCE
JANUARY 9-11, 2019
DENVER, CO
REGISTRATION FORM

Page 1

**Complimentary Parking – Get your voucher at the registration desk!**
Complimentary WIFI in the conference area – Get the code at the registration desk!
Light rail at your door to Downtown Denver and Park Meadows Mall!

**PLEASE NOTE NEW OFFICE ADDRESS BELOW!**

TWO STATE LICENSING TEST PREP SESSIONS ON
THURSDAY, JANUARY 10TH!
“Ask the Green Jacket!”

Information on Page 2!

**PLEASE LIST ALL NAMES CLEARLY FOR NAME BADGES**

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Registrant I</th>
<th>Registrant II</th>
<th>Registrant III</th>
<th>Registrant IV</th>
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</tbody>
</table>

Mailing Address
City, State, Zip
Phone Fax E-mail

**FULL REGISTRATION FEE INCLUDES**
Admission to all Courses
Wednesday - Supplier Sponsored Social with Great Food and 1 Domestic Beer
Thursday - Continental Breakfast, Lunch, Dinner Buffet and 1 Domestic Beer
Friday - Continental Breakfast

By December 16 After December 16 Number Amount
*CWWCA Member Fee $196 $203 _____ $_____ 
*Employee Member/Spouse $182 $186 _____ $_____ 
*MUST HAVE INDIVIDUAL 2019 CWWCA MEMBER DUES PAID
*Non-Member Fee $263 $273 _____ $_____ 

**ADDITIONAL GUEST MEAL TICKETS**

<table>
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<tr>
<th>Names for Guest Badges</th>
<th>For Wednesday Social Only</th>
<th>For Thursday Breakfast Only</th>
<th>For Thursday Lunch Only</th>
<th>For Thursday Dinner Only</th>
<th>For Friday Breakfast Only</th>
<th>Children under 13 Lunch or Dinner</th>
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<tbody>
<tr>
<td></td>
<td>$38.00</td>
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<td>$28.00</td>
<td>$48.00</td>
<td>$22.00</td>
<td>$18.00</td>
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</table>

(Continued on page 9)
VFD Enviro-Check® Valve-Noiseless
Patented VFD Compatible Check Valves

(Also available in Ductile Iron and Stainless Steel 1” thru 8”)

Add “VFD” to end of existing Flomatic part number, works for all applications; even non VFD systems.

Patented submersible pump check valve is used on variable flow demand (VFD) systems and applications. Standard check valves will “chatter” and be noisy when the system goes to low flow, eventually causing failure. The exclusive patented poppet system ensures that the valve smoothly and automatically adjusts to flow changes and is noiseless at very low flows. Excellent for all applications; including non VFD systems.

NOW INTRODUCING
The New Flow Control Valves
Flo-Trol®

Call (800) 833-2040 to place your order with Flomatic today

15 Pruyn's Island Drive Glens Falls, NY 12801
www.flomatic.com
CWWCA ANNUAL CONFERENCE  
JANUARY 9-11, 2019  
DENVER, CO  
REGISTRATION FORM  

Page 2  

TWO STATE LICENSING TEST PREP SESSIONS  
“Ask the Green Jacket!”  

Thursday, January 10  

10:45-11:30 am  “Passing the State Licensing Test - Prep Session:  
Ask the Green Jacket” - No CE Credit  
Ray Newmyer, M.G.W.C., NWP Drilling & Consulting  
Evergreen C  

12:30-1:20 pm  “Passing the State Licensing Test - Prep Session:  
Ask the Green Jacket” - No CE Credit  
Ray Newmyer, M.G.W.C., NWP Drilling & Consulting  
Evergreen C  

These sessions are set-up as personalized question and answer opportunities to go over concerns about the test. There is no formal class. It will be all hands-on. Attendees are encouraged to email questions to Ray Newmyer ahead of time, if at all possible, at directionnwp@yahoo.com  

REGISTRATION FEE  

*Those who paid full conference registration fees can attend these sessions at no charge. Those who are not registered for the full conference can attend these Thursday sessions for $135.00. This price includes all meals and breaks on Thursday so Test Prep attendees are welcome to attend the rest of the conference all day on Thursday, January 10th.  

Please Type or Print  

<table>
<thead>
<tr>
<th>NAME BADGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company Name</td>
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</tbody>
</table>

*BOTH Test Prep Sessions $135.00 ____ $____  
Price Includes:  
Thursday - Continental Breakfast, Lunch, Dinner Buffet and 1 Domestic Beer  

CREDIT CARD CONVENIENCE FEE $ 7.00  

TOTAL CONFERENCE REGISTRATION FEES $____  

(Continued on page 11)
When you need submersible and line shaft turbines, look no further than 2M. Custom-built to your specifications and for any challenging conditions, 2M assembles turbines with quality, reliability and durability in mind.

**Need a solution fast?**
*We offer 24-hour emergency builds.*

**2M OFFERS RELATED TURBINE PRODUCTS:**
- Tube & Shaft
- Column Pipe
- Wire
- VHS Motors
- Gear Heads

**2M DENVER**
303-320-4631

**2M PROUDLY CARRIES**
Franklin Electric

**LEGENDARY SERVICE**
2Mco.com
CWWCA ANNUAL CONFERENCE
JANUARY 9-11, 2019
DENVER, CO
REGISTRATION FORM

Page 3

METHODS OF PAYMENT

Check Number

CREDIT CARD CONVENIENCE FEE - $7.00

Credit Card: Visa ( ) MasterCard ( ) Discover ( ) AMEX ( )

Company Name_________________________________________
Name on Card__________________________________________
Credit Card #_________________________________________
Expiration Date______CCV____
Billing Address________________________________________Billing Zip Code_______
Signature________________________________Phone_________

Please email, fax or mail your payment and completed registration form to:
CWWCA
P.O. Box 100939
Denver, CO 80250
Phone: 720-244-8024 Fax: 720-208-0620 Email: execdir@cwwca.org

Sleeping Room Reservations
303-779-1100
Mention Colorado Water Well Contractors Association
Group Room Rate: $123 + Tax
Deadline for Group Room Rate: December 17, 2018

Room reservations can be canceled by midnight 2 days prior to the conference

Cancellation Policy: Full registration fees will be refunded prior to December 21, 2018.
A $50.00 fee will be charged for cancellations submitted between December 21, 2018
& December 31, 2018. No fees will be refunded after January 1, 2019.
All cancellation requests must be submitted in writing to the CWWCA office.

If you have a disability and may require special accommodations, please notify us in
writing at least (2) weeks prior to the conference.

THANK YOU! WE LOOK FORWARD TO SEEING EVERYONE!
S4,000 – S30,000 SEMCO Pump Hoists

1 - 6" Pipe Elevators w/ Metal Bales
6" - 16" HD Pipe Elevators w/ Cable
S110H Hydrench 1-10"
1-2", 2 1/2-4 J&K Kwik Klamp
CWWCA ANNUAL CONFERENCE
SUPPLIER/MANUFACTURER EXHIBITION

JANUARY 9-10, 2019

DENVER MARRIOTT TECH CENTER
4900 SOUTH SYRACUSE STREET
DENVER, CO 80237

SPONSORSHIP OPPORTUNITIES FOR 2019
You will be recognized with signage, a slide show, and in the attendee program.

We need your logo for the slide show. Please email it to execut@cwcca.org if you have not already done so for the 2018 conferences, or if it has changed.

All conference activities, except for classes, are in the exhibit area, to increase face time with attendees!

• Sponsor Wednesday Night Social $______

• Sponsor Keg of Coors Light Beer for the Wednesday Night Social (Value = $640.00) $______

• Sponsor Thursday Breakfast $______

• Sponsor Thursday Lunch $______

• Sponsor the McElhiney Lecture $______

• Sponsor 2 Kegs of Coors Light Beer for the Thursday Night Open Bar, Buck Lively Scholarship Auction and Dinner Buffet (Value = $640.00 Each, Total Value = $1,280.00) $______

• Sponsor Thursday Dinner Buffet $______

• Sponsor the Auctioneer $______

• Sponsor Friday Breakfast $______

*Lightning Round-Exhibitor Introductions Thursday Morning!
*One Hour with Suppliers & Supplier Giveaways Thursday Afternoon!
*Complimentary Parking – Get your voucher at the registration desk!
*Complimentary Conference WIFI – Get the code at the registration desk!

Booth Spaces
Booth spaces will be set up around the perimeter of the exhibit hall. They are 8’ wide with a 6’ table and 2 chairs. In order to give all of our exhibitors equal exposure to attendees, booth perimeters are not piped and draped and the floor is not marked. Please do not move your table, even slightly, to either side, so the floor plan is not compromised.

Thank you so much for your consideration of your fellow exhibitors!

(Continued on page 14)
EXHIBITOR REGISTRATION FORM, PAGE 2 OF 3
CWWCA ANNUAL CONFERENCE, JANUARY 9-10, 2019
EXHIBITS OPEN THURSDAY, JANUARY 10, 10:30 AM – 7:30 PM

Please Type or Print This information will be listed in the program
COMPANY NAME

Address ___________________________________ City __________________ State ___ Zip ______

E-Mail ______________________ Phone ______ Fax ______

NAME OF COMPANY CONTACT PERSON

NAME BADGE FOR EXHIBITOR ATTENDEE

EXHIBIT BOOTH FEES:
Early Bird CWWCA Member Rate - by December 11, 2018 $350.00 ______
After December 11, 2018 - CWWCA Member Rate $385.00 ______
Early Bird Non-Member Rate - by December 11, 2018 $400.00 ______
After December 11, 2018 - Non-Member Rate $425.00 ______

Indicate Booth # (1st Choice) (2nd Choice) (3rd Choice) ______
Please select the booth number(s) you would like to occupy for the conference from the floor plan included and fax this form to 720-208-0620 or email it to execdir@cwwca.org. Booths are on a first-come, first serve basis based on receipt of this form via fax or email. We will do our very best to accommodate your choices.

ELECTRICITY CHARGES: Yes ( ) $65.00 ______ Amount Paid $ ______

** Included in the Booth Fee: 1 Social with 1 Beer, 1 Thursday Breakfast, 1 Thursday Lunch, 1 Thursday Dinner with 1 Beer, 1 Friday Breakfast

** No drink tickets this year, instead there will be sponsored keg beer and a cash bar on 1/9/19 and 1/10/19. Thank you for sponsoring the kegs!

EXTRA MEALS THAT ARE NOT INCLUDED IN BOOTH FEE
Please list the names of those purchasing meals for name badges.
NAME __________________ Wed Social & 1 Beer - $38.00 ______ $ ______
NAME __________________ Wed Social & 1 Beer - $38.00 ______ $ ______
NAME __________________ Thurs Breakfast - $22.00 ______ $ ______
NAME __________________ Thurs Breakfast - $22.00 ______ $ ______
NAME __________________ Thurs Lunch - $44.00 ______ $ ______
NAME __________________ Thurs Lunch - $44.00 ______ $ ______
NAME __________________ Thurs Dinner & 1 Beer - $48.00 ______ $ ______
NAME __________________ Thurs Dinner & 1 Beer - $48.00 ______ $ ______
NAME __________________ Fri Breakfast - $22.00 ______ $ ______
NAME __________________ Fri Breakfast - $22.00 ______ $ ______

CREDIT CARD CONVENIENCE FEE $7.00

PAYMENT

TOTAL AMOUNT $ ______

Check # ______
Credit Card: ( ) Visa ( ) MasterCard ( ) Discover ( ) AMEX ______

NAME ON CARD

Billing Address ____________________________ Billing Zip ______

Credit Card # ___________________________ Exp Date ______ CCV ______

Phone ____________________________

PLEASE SEND FORMS AND PAYMENTS TO CWWCA
P.O. BOX 100939, DENVER, CO 80250 EMAIL: execdir@cwwca.org PHONE: 720-244-8024 FAX: 720-208-0620

(Continued on page 15)
EXHIBITOR REGISTRATION FORM, PAGE 3 of 3
CWWCA ANNUAL CONFERENCE, JANUARY 9-10, 2019

EXHIBITS OPEN THURSDAY, JANUARY 10TH, 10:30 AM – 7:30 PM

YOUR SET-UP PLAN

EXHIBITOR COMPANY NAME

I will set-up Wednesday, January 9th between 3:00-5:00 pm
- YES ( ) I will be set-up by 5:00 pm on Wednesday
- YES ( ) I wish to participate in the 5:00-7:00 pm Supplier Sponsored Social
- YES, I would like to contribute $________ for the Supplier Sponsored Social

I will set-up Thursday, January 10th between 7:00-10:30 am
- YES ( ) I will be set-up by 10:30 am on Thursday
- Lightening Round-Exhibitor Introductions – 8:00-8:30 am – Evergreen A & B
- Lunch - 11:30am-12:30 pm - Exhibit Area
- Visit Suppliers-Enter Raffles for Supplier Giveaways – 12:30-1:20 pm – Exhibit Area
- Supplier Meeting – 1:30-2:20 pm – Lupine Room
- Happy Hour and Silent Auction - 4:30-5:30 pm – Exhibit Area
- Dinner Buffet - 5:30-6:30 pm – Exhibit Area
- Buck Lively Scholarship Live Auction - 6:30-7:30 pm - Exhibit Area

PLEASE NO EXHIBITOR TEAR DOWN UNTIL AFTER THE AUCTION
- Teardown - Thursday, January 10th - AFTER 7:30 pm
  or Friday, January 11th - 7:00 am – Noon

The CWWCA Buck Lively Scholarship Fund is recognized as tax-exempt under IRS Code section 501(c)(3) and voluntary donations are tax deductible as a charitable contribution to the full extent permitted by law.

BRINGING A SCHOLARSHIP AUCTION ITEM? YES ( ) NO ( )
In an effort to publicize the auction in advance, please describe your item and assign a value:

HOTEL RESERVATIONS: $123.00 + Tax Per Night, Standard Room
DEADLINE TO RESERVE A ROOM AT THE GROUP RATE: DECEMBER 17, 2018
Mention Colorado Water Well Contractors Association
Denver Marriott Tech Center 303-779-1100

Cancellation Policy: Full booth fees will be refunded prior to December 21, 2018.
A $50.00 cancellation fee will be charged for all cancellations between
December 21, 2018 and January 1, 2019.
No fees will be refunded after January 2, 2019.

Thank you as always, for your support, from our CWWCA Supplier Directors!
Tom Harder, Western Hydro
877-594-7259, tharder@westernhydro.com
Mike Pacheco, Mitchell, Lewis & Stayer
303-217-8722, mpacheco@mitchellewis.com
PROVIDING INNOVATIVE SOLUTIONS FOR PROFESSIONAL WATER WELL CONTRACTORS SINCE 1890

CPS distributors, inc. has partnered with the most innovative manufacturers in the industry to provide you with the quality products you need at the right price.

Visit CPSdistributors.com for a list of training classes and events near you. Your time matters! Shop online 24/7 at Shop.CPSdistributors.com

For more information contact us,
Pumps@cpsdistributors.com
303-394-6040

CPS distributors, inc.
And so, another legislative cycle begins. Commencing with this update, we will begin our regular reports and updates on legislation and the activities at the General Assembly. This update is dedicated to the results of the election in the context of the start-up of the 2019 session and the installation of a new administration under Governor-elect Jared Polis.

This update focuses on the election but does not include the results of the various ballot issues. Some those ballot issues — such as setbacks for oil and natural gas extraction wells — are likely to be revisited as bills in the upcoming session. Nor does this update look at any proposed legislation since we are just now getting insights into subject areas — future updates will cover those issues in depth.

**General Assembly to Convene Friday, January 4, 2019**

We are less than two months from the beginning of the 2019 legislative session. Due to a quirky convergence of calendar mandates, the session will begin several days earlier than usual. Normally, a session convenes on the 2nd Wednesday in January — which gives everyone time to return from holiday vacations and college football bowl games — but this year is different. This year we convene on Friday, January 4, 2019.

Convening on the 2nd Wednesday in January is not a constitutional edict. The Colorado Constitution provides that the session must convene no later than the 2nd Wednesday of January of each year. The convening date is important not only because it is the official beginning of a legislative session but because it also is the trigger date for a number of legislative deadlines and other logistical matters. Since the Constitution limits a regular session to no more than 120 consecutive calendar days, the 2019 session must adjourn sine die not later than midnight on May 3, 2019 (also a Friday).

The reason why this unique convening date has been set so early is due to other provisions in the Colorado Constitution that come into play because of the 2018 election.

The Colorado Constitution requires the newly elected statewide officers (Governor, Lt. Governor, Secretary of State, Attorney General and State Treasurer) to assume their offices on the 2nd Tuesday of January — which is January 8, 2019. If the legislature convened on the traditional 2nd Wednesday in January, you can see that there would be an immediate conflict.

But, before the statewide officers can assume their offices, the Constitution requires that the General Assembly certify that each of them actually won the election. Or, if an election ended in a tie or is contested, the General Assembly must declare which candidate won the election. But, for the General Assembly to fulfill its constitutional duty, it must be in official session. Thus, the unique convening date of Friday, January 4. That allows the General Assembly to convene and transact formal business and be official when it determines the winners of the statewide offices.

If the traditional convening on the 2nd Wednesday in January were the rule, the statewide officers would be in limbo since they must, by virtue of the Constitution, assume their offices on January 8, 2019. That would put them “in office” without a determination that they had each officially been elected to their office. By having the General Assembly convene prior to the constitutional date for statewide officers to assume their offices, all required actions can be taken, and the constitutional requirements met. Legislative Legal Services notes that this convergence of calendar dates and Constitutional requirements occurs occasionally. Legal Services notes that it could have been quirkier as it was in 1919 when the convergence required the General Assembly to convene on New Year’s Day.

**New Leadership Selected**

Shortly after the election results were preliminarily determined, the party caucuses in each house met to select their leadership for the 2019-2020 session. On election night, there were 4 House races that were close enough that further review, and possibly recounts, were warranted. However, none of those races were a determining factor for the majority in the House. The House remained firmly in Democrat control and even if the Republican candidate had prevailed in each of the unsettled races, the Democrats would have still been in the majority. And, even if the Republicans had won all 4 of those seats, the Democrats would still have made a net gain of 1 seat in its majority.

(Continued on page 18)
To save space, the complete list of leadership has been organized into one table and it can be accessed by using the following link. This table is in a Google Document format and it “lives” in the cloud. If any changes occur, they will be automatically updated so the table will always be current:

**Legislative Leadership**

**New Membership of the Legislature – Almost, But Not Quite - Done**

As everyone knows, the Democrats made a very strong showing across the State of Colorado and now constitute the majority party in both the House and Senate. In addition, the Democrats won all of the statewide offices, upset a long-serving Republican congressman, and swept a large number of county races. It was the trifecta on steroids.

It is not a secret that the Republicans took a serious drubbing this election. Many analysts and reporters have cited various statistics that demonstrate the extent of the Republican losses, but one that struck me as I looked at the results is that there are more Democrats now serving in the House (41) than there are Republicans serving in the House and Senate combined (40).

The other statistic that struck me as being highly relevant was the turnout by voter affiliation. Almost every reporter has noted that unaffiliated voters turned out in significant numbers and the speculation was that they broke for the Democrats. The official statistics lend credence to this widely held opinion. However, the numbers are very sobering – neither party should dismiss what actually occurred. Unaffiliated voters were the highest number of voters participating in the election with 880,025 votes cast – 34% of total votes cast. They were followed by Democrats with 851,006 (32.9%) of votes cast. Republicans ran third with 814,779 (31.9%) of votes cast. While that is close, on further inspection what it means is that if the analyses are correct that unaffiliateds broke for Democrats the Republicans lost two-thirds of the voters.

But another way to look at the same numbers is that the Democrats might not have prevailed had it not been for the unaffiliated voters. The problem with unaffiliated voters is that they are, well, unaffiliated. They have no allegiance to a party which makes them a wild card. The fact that neither the Democrats nor the Republicans are number 1 in registration suggests that they have failed to be attractive to a large and growing segment of Colorado voters. Thus, the analytical question for the two parties is whether the unaffiliated voters voted for the Democrats or did they vote against the Republicans? If they voted for the Democrats, then the Republicans have a lot of soul searching to do. However, if the unaffiliateds voted against the Republicans, then the Democrats should not be too confident that they have hit the sweet spot in the electorate.

We can never really know how the unaffiliated voters broke – or even if they cast ballots in certain key races. But we can look at the fact that the Republicans lost majority control of the State Senate and as part of that loss, two incumbent Republican State Senators were removed from office. The Republicans went from an 18-16-1 (unaffiliated) majority to a 19-16 minority.

In the House, the Republican defeats were significant. Going into the election, the Republicans held 29 seats to the Democrats 36 seats. But since it requires 33 seats to constitute the majority, the Republicans had to hold their 29 seats and pick up 4. But the Republicans lost House seats. After the election, the Democrats had not only held on they had picked up 5 seats to bring their total to 41 seats.

There are 23 freshmen who will join the House – which is slightly over one-third of the Representatives.

**Elections Are Settled – Resignations Are Imminent**

To add to the quirkiness of this year, there are some incumbent legislators who will be required to resign. Senator Kefalas and Senator Jones (mid-term holdovers) both ran for county commissioner offices in their home counties. Both were elected. Since one may not serve simultaneously as a county commissioner and a State Senator, the two will be required to resign from the Senate. That will create a vacancy in each seat. Under Colorado law, vacancies are filled by appointment made by the vacancy committee for the district. Vacancy committees are instrumentalities of the party of the incumbent which means that the successor who is selected to fulfill the unexpired portion of the term will be from that party.

For the Senate, there is another variable that must be considered. It is important to select the correct date upon which the resignation and thus the vacancy officially occurs. Each Senator is term limited to two consecutive four-year terms. A vacancy appointee serves out the unfulfilled portion of the incumbent’s term. If there is more than half the term remaining, the appointee can serve out the term and run
one more time for that office. If, however, there is less than half the term remaining, the appointee can serve out the term and run twice for the office. Thus, January 1 becomes the critical date.

If, for example, Senator Kefalas resigns on say New Year’s Eve and a vacancy is declared, then his successor may serve out the term and run once more. If, however, he resigns on January 2, 2019, less than half the original 4-year term remains and the successor may finish the term and run twice more. This seemingly odd procedure is the result of a Colorado Supreme Court decision involving former State Senator Joan Fitzgerald and is colloquially known as the “Fitzgerald Rule.”

In addition to Senators Kefalas and Jones, there are strong rumors that Senator Dan Kagan (D) may also step down for personal reasons. And, there are rumors that an incumbent, but term limited, Republican State Senator may step down as well.

And, just because this is all about politics, there is yet another variable for Senate leadership to consider. If both Senator Kefalas and Senator Jones step down at the same time, that creates two holes in the Senate Democrat caucus – at least for a few days. With 19 Democrats, that would drop the caucus to 17 with 16 Republicans. Since 18 votes are required to move things through the Senate, either the leadership will be required to pick up a Republican vote or leadership will have to delay critical votes until both vacancies are filled.

With the resignations of Senator Kefalas and Senator Jones, the ripple effects begin to move through the House. There are two incumbent, but term limited, Representatives who both live in SD 14 in Fort Collins. They are Representative Jeni Arndt (D) and Representative Joann Ginal (D). If either of them were to be selected to fill the unexpired term of Senator Kefalas, that acceptance would generate a vacancy appointment for the House seat. However, under the Fitzgerald Rule, the vacancy appointee would not be able to leverage extra years of service since there would be far more than half the term remaining.

The same dynamic could prevail if Senator Kagan steps down. Rep. Jeff Bridges (D) is a likely candidate for a Kagan vacancy and if he were to be selected, yet another vacancy would occur in his House seat.

New Members

The following link is to a Google document that displays all the members of the General Assembly. There are two sheets. One is for the Senate membership and one is for the House membership. This is a work in progress because neither chamber has announced committee chairmanships or committee memberships yet. When those assignments are made, the spreadsheet will be updated accordingly. Additionally, office assignments, telephone numbers and email addresses have not been published yet.

Membership table for General Assembly

Committees

With respect to committees, only the Joint Budget Committee has been named. Even though some of the members have not yet officially taken their seats and been sworn in, the writing of the budget takes precedence. Governor Hickenlooper has submitted his final pro forma budget and has made his last appearance before the JBC. The JBC will begin briefings from cabinet agencies and other entities Thanksgiving week. Of the 6 members of the JBC, 4 are new appointees. Rep. Esgar (D) and Rep. Hansen (D) are new to the JBC – only Rep. Rankin (R) is a returning House member. Sen. Zenzinger (D) and Sen. Hisey (R) are both new to the JBC – only Sen. Moreno is a returning Senate member and he will serve as the chairman of the JBC. Additionally, Sen. Hisey is a freshman making his appointment highly unusual.

The long appropriations bill begins in the Senate this year. It will originate in the House in 2020.

There is a sequence to the naming of committees. First, there must be a committee. Committees are at the discretion of the General Assembly and more particularly of each chamber. And, even more particularly, of the majority party in that chamber. While it is possible that the committees (e.g., Judiciary, Finance, etc.) that were in place for 2017-2018 will be the ones that will carry forward into 2019-2020, that is not necessarily the case.

In the House, the Speaker will need to figure out what to do with 41 Democrats. Even when the senior leadership is factored out, there are a significant number of members who must be appointed to committees. In the past, new committees have been created. Sometimes committees have been consolidated and restructured. A good example is House Health, Insurance & Environment and House Public Health Care & Human Resources. Those two committees were formed by splitting a preceding committee.

(Continued on page 21)
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Once the leadership (and the caucuses) have determined what committees they need to accomplish the business of the chamber, attention turns to which members will be selected to chair those committees. For the Senate leadership, the task is more problematic since the change in majority status puts a Democrat as the chair and vice chair of each of the committees. There are no Senate Democrats currently serving as a chairman or a vice chairman, so all the appointments will be new. In some cases, the Senate leadership can reach down to tap the ranking Democrat on the committee, but not always. For Senate Health & Human Services, there is no serving Democrat, so leadership will have to find someone who is not on that committee.

The House leadership has an easier task. Since the Democrats already chair all House committees, the selection process is simplified. Some current chairs will want to continue as chairs. Others may have ascended to senior leadership positions and not be available. Some current chairs may wish to do other things. Both Rep. Arndt and Rep. Ginal chair major committees and if either of them is selected to fill the vacancy in Sen. Kefalas’s district, that will open a House committee chairmanship.

Once the committees have been established and chairs selected, leadership must determine how many slots will be assigned to the majority party and how many to the minority party. The majority party always holds a numerical advantage over the minority. For a 13-member House committee (the current membership) there are 7 Democrats and 6 Republicans. But this year, there are 5 more Democrats in the House and 4 fewer Republicans. It changes the arithmetic of the balance of power.

Leadership likes to accommodate the desires of the members with respect to which committees they wish to serve on. But ultimately the logistics of majority party and voting strength will prevail and not everyone will get his or her first choice of a committee assignment.

With the early convening date in 2019, we may know the committee chairs around the first of December and the full committee memberships before Christmas. At any rate, the committees need to be formed so that they can be officially designated when the session convenes in January. It is customary for bills that have been completed by Legislative Legal Services to be introduced on the first day of the session – it’s hard to do that if there is no committee to assign them to.

**Governor and Statewide Officers**

We do have a new Governor with Democrat Jared Polis. Governor-elect Polis swept to victory with a 10-percentage point margin over Republican Walker Stapleton. Governor-elect Polis and his Lieutenant Governor running mate, Diana Primavera, have been working with various teams of people to affect the transition from the Hickenlooper administration to the Polis administration.

Governor-elect Polis will form a new administration as quickly as possible, but some positions may be temporarily filled by current individuals until new appointees can be named. Most of the key positions must be confirmed by the State Senate, but with the Democrats holding the majority in the Senate those confirmations should largely be pro forma.

We have a new Secretary of State (Jena Griswold – D), a new Attorney General (Phil Weiser – D) and a new State Treasurer (Dave Young – D). Each of them will also be transitioning their offices and starting their duties in January.

**Congressional Delegation Changes**

All 7 congressional seats were up this election. Neither US Senator was up in 2018 but Senator Cory Gardner (R) will be up in 2020.

As was the case with other races, the Democrats strengthened their position. The Congressional delegation had been 4 Republicans and 3 Democrats, but incumbent Congressman Mike Coffman (R-CD6) lost his reelection bid to Democrat Jason Crow. That changed the delegation to 4 Democrats and 3 Republicans.

The other new face is Democrat Joe Neguse in CD2. That was an open seat due to Congressman Jared Polis running for Governor rather than reelection to Congress.

The 2020 census is expected to show that Colorado will gain an additional congressional seat due to reapportionment. Once the census numbers are known, the process of redrawing congressional and legislative district boundaries will begin. That process will have to be concluded so that candidates can run in the new districts in 2022.
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SEEKING CANDIDATES FOR THE BOARD

The Governor’s Office of Boards and Commissions is looking for applicants for the Board of Examiners of Water Well Construction and Pump Installation Contractors to fill a term expiring June 30, 2019.

The candidate must be a well construction or pump installation contractor with a minimum of ten years’ experience in the well construction or pump installation business preceding their appointment.

All members are appointed for four-year terms, but no member will be reappointed to or serve more than two consecutive four-year terms. Members serve without compensation but will be reimbursed for actual expenses necessarily incurred in their official business. The Board meets at least once every three months (the first Monday in February, May, August, and November) and at such other times as it deems necessary or advisable. Meetings are typically held in Room 814, 1313 Sherman Street, Denver, CO 80203.

Please view this document to see the duties of the Board, http://water.state.co.us/DWRIPub/Documents/duties.pdf.

Additional information regarding the Board of Examiners can be found on the Division of Water Resources website, http://water.state.co.us/groundwater/BOE.

To apply, please fill out an online application on the Governor’s Office of Boards and Commissions webpage, https://www.colorado.gov/governor/boards-commissions-application. Although applications will be considered until the position has been filled, applicants are encouraged to submit their applications by June 1, 2019.

For additional information please visit, https://www.colorado.gov/governor/boards-commissions
October 19, 2018 – Draft

TWG Meeting Recap
Chase Bank Building
333 West Hampden Ave.
Englewood, CO 80110

Next TWG Meeting:
4PM, Wednesday, January 9, 2019
Denver Marriott Tech Center
4900 South Syracuse Street
Denver, CO 80237

Attendees:
Daniel Niemela, Matt Sares, Travis Day, Joe Meigs, Bryan Beckner, Keith Branstetter, Gene Wagner, Joel Canfield, Brad Himes, Mike Pacheco, Fred Rothauge, Andy Horn, Chris Sanchez, John Obrien

Andy Horn is attending on behalf of CGWA and Colorado Environmental Management Society (CEMS)

Moderator:
Bryan Beckner

Moderator for January 2019 Meeting
Gene Wagner

DWR Report
The Well Inspection Program audit has begun and is expected to be completed for first public review by June 2019. A comment period will occur after the initial report is published.

Attendees had praise for DWR staff’s responsiveness to permit modification and variance requests.

The new DWR forms have not yet been released due to a change in software for data input that will allow more information to be included in each field.

Water Well Construction Rule 6.2.2.1 24-hr notice for inspection is based upon a 10% notice target. All variance wells and Laramie-Fox Hills wells require notice. Contractors in northeastern Colorado report that they are frequently subject to 24-hour notice requirements, presumably in part due to prevalence of Laramie-Fox Hills aquifer wells.

Well permitting activity during the first three quarters of 2018 has been higher than 2017; see summary below. That summary shows, relative to the same period in 2017, a 20% increase in permit applications, 15% increase in permits issued and 10% increase in exempt permits issued.

2018:

Well Permit Activity Log

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<tr>
<th>Action Name</th>
<th>1/1 - 3/31</th>
<th>4/1 - 6/30</th>
<th>7/1 - 9/30</th>
<th>10/1 - 12/31</th>
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<td>668</td>
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<td>Replacement Permits Issued (Exemp</td>
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<td>142</td>
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<td>Replacement Permits Issued (Non Exempt)</td>
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<td>31</td>
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(Continued on page 25)
2017:

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<th>9/30 - 12/31</th>
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<tr>
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<td>Monitoring Hole Notices Issued</td>
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<td>553</td>
<td>751</td>
<td>1242</td>
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There was discussion about whether the location on a well permit could be modified after the permit was issued. The specific case is where an owner obtains an exempt well permit that specifies a particular UTM or distance-from-section-line location instead of identifying a particular parcel. Based upon follow-up information from the DWR, the driller can request a Well Location Amendment (GWS-42) along with a filing fee to modify the permit to allow the exempt well to be constructed anywhere on the parcel, instead of the particular location specified by the owner. The Ground Water Information Desk is available to walk contractors through the steps to request a Well Location Amendment. In accordance with Water Well Construction Rule 6.2.3, the actual well location must be reported on the Well Construction and Yield Estimate Report (GWS-31).

CDPHE Discharge Permitting:

The DWR requested clarification on the division of responsibility between DWR and CDPHE regarding discharge to ground water. The DWR’s office is waiting on a response from the Attorney General’s office. The CDPHE’s current position is that the it may not have authority to issue discharge to ground water permits.

Well Inspection Program

The Audit Committee reached out to the CWWCA regarding a letter dated February 10, 2017 that expressed CWWCA’s concerns over the well inspection program.

Pump Replacement Forms

The GWS-32 form (Pump Installation and Production Equipment Test Report) is required for all pump installations, including pump replacement, by Water Well Construction Rule 17.1.2. The reason for the rule is that pump contractors must know the existing pump setting depth and pump capacity to complete safe and proper well maintenance. The rule does not apply to remediation wells, only water supply wells.

 Contractors have been slow to comply with the new rule. The DWR will consider sending out educational notices to contractors to improve compliance.

Future Topics

DWR update
Well inspection program
DWR forms (including compliance with Pump Replacement Forms, discussed at the July 2018 TWG meeting)
Ground water discharge permitting

Respectfully submitted by Daniel O. Niemela
**CWWCA BUCK LIVELY SCHOLARSHIP FUND APPLICATION**

**SECTION 1: PERSONAL INFORMATION**

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**SECTION 2: ACADEMIC INFORMATION**

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**SECTION 3: SPONSOR**

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<th>Relationship to Applicant</th>
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<tbody>
<tr>
<td>Sponsor: I have reviewed this application and confirm that this information is accurate to the best of my knowledge.</td>
<td></td>
</tr>
<tr>
<td>Sponsor’s Signature</td>
<td>Date</td>
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</tbody>
</table>

(Continued on page 27)
CWWCA BUCK LIVELY SCHOLARSHIP FUND APPLICATION

PAGE 2

SECTION 4: REQUIRED DOCUMENTS

TO MAIL
- BY MARCH 31ST
  1. Your completed application
  2. Your most recent official academic transcript
     **Incomplete applications and unofficial transcripts will not be accepted**
  3. A minimum of two current written recommendations from individuals that are not
direct family members
  4. BY JANUARY 21ST - Your official transcript of the year following receipt of
     scholarship funds

TO EMAIL
- BY MARCH 31ST
  1. An educational and career goals statement - a one page, single sided essay, 200 words
     minimum, in a WORD DOCUMENT, labeled with your name, emailed to
     execdir@cwwca.org
  2. A recent photo of yourself emailed to execdir@cwwca.org

- BY DECEMBER 1ST - A short one minute JPEG video of yourself, explaining how the
  scholarship has helped you and your academic success, emailed to execdir@cwwca.org
  Feel free to have fun with this video. We need your video by December 1st of the year
  awarded funds to help raise further funds for the Buck Lively Scholarship Fund at the
  CWWCA Annual Conference in January
- BY JANUARY 21ST - A concise, mid-year progress report, no more than two
  paragraphs, in a WORD DOCUMENT, labeled with your name, emailed to
  execdir@cwwca.org

COMPLETE APPLICATIONS MUST BE POSTMARKED AND
RECEIVED BY MARCH 31ST

CWWCA Buck Lively Scholarship Fund
P O Box 100939
Denver, CO 80250
Phone: 720-244-8024 Fax: 720-208-0620
Email Karie Walker: execdir@cwwca.org

I, ______________________________, as an applicant for the CWWCA Buck Lively
Scholarship Fund, attest that the information provided in this application, and all submitted
attachments are accurate and true to the best of my knowledge.

_________________________________________  __________________________
Applicant’s Signature                      Date
With the onset of cold weather I thought it would be appropriate to talk about hypothermia. Hypothermia is a severe condition in which the body temperature drops to an abnormally low level. It occurs when the body is unable to produce enough heat to counter the heat that it is losing. The part of the brain that controls body temperature is called the hypothalamus. Under normal conditions, when the hypothalamus recognizes changes in body temperature, it initiates body responses to bring the temperature back in line.

The body loses most of its heat through the skin by means of convection, conduction, radiation and evaporation. When the temperature drops the body’s first line of defense is to start shivering. This causes the muscles to generate more heat. When this cannot keep up with the heat loss, the body shunts blood away from non-vital organs to the vital organs such as the heart, lungs, kidneys and brain. The heart and brain are most sensitive to lower temperatures, and electrical activity in these organs slows down when they become cold. It is for this reason that as hypothermia sets in we start to see a change in the person’s mental status.

Signs and symptoms to watch for with the onset of hypothermia are excessive shivering, cool pale skin, nausea and changes in mental status. People in severe hypothermia have been known to remove their clothes before they died.

Treatment will depend on the degree of hypothermia, but the goal will be to rewarm the victim. Treatment: Anyone with symptoms of hypothermia will need immediate medical assistance.

Until medical assistance arrives, taking the following action can help:

- move the person to a warm, dry place, if possible, or shelter them from the elements. If possible place them in a vehicle with the heater running.
- remove any wet clothing
- cover the whole body and head with blankets, leaving only the face clear
- put the individual on a blanket to insulate them from the ground

(Continued on page 29)
• monitor breathing and be prepared to perform CPR
• provide skin-to-skin contact, if possible, by removing clothing and wrapping yourself and the individual in the blanket together to transfer heat
• provide warm drinks, if the individual is conscious, but no alcohol or caffeine

It is vital not to use direct heat, such as heat lamps or hot water, as this can damage the skin. It can also trigger irregular heartbeats and, potentially, lead to cardiac arrest.

Do not rub or massage the person either, as these potentially jarring movements could also cause cardiac arrest.

In severe hypothermia they may need to have warmed IV fluids, therefore it is important to seek advanced medical help.

Hope this helps. As always give me a call if you have any questions or suggestions for upcoming articles.

Thanks again,

Gene

970-848-2533
YOU HAVE A NEW PARTNER:

WATER WELL SHIELD INSURANCE

Terry Morse CEO of the NGWA and Steve Smith President of AssuredPartners Front Range designed the new WATER WELL SHIELD INSURANCE program! This exciting news will be formally announced at the 2018 NGWA Water Week in Las Vegas.

Past programs (first through CNA then Hartford, Willis, and AIG) all used a one-size-fits-all approach and ultimately failed our industry. However, for the past 25 years Steve and Kyle have succeeded at insuring contractors, engineers, geologists, oilfield support, and ground water technology businesses just like yours. Faithfully we did this by using many insurers, coverages, stability and pricing tools along with our knowledge of the ground water industry. Steve and Kyle’s clients have enjoyed consistent insurers, paid claims, good pricing, and received excellent service year after year after year. The NGWA has recognized this!

Together Terry & Steve designed the WATER WELL SHIELD INSURANCE program to likewise succeed—and—have negotiated future royalties for the NGWA’s philanthropy and development of water resources worldwide.

Assuring the long-term, nationwide success of the new WATER WELL SHIELD INSURANCE program AP Hall & Company will make this available to the entire groundwater industry—NGWA members and non-members, contactors and professionals alike.

General Liability • Professional • Property • Auto • Equipment • Umbrella • Bonds

POWER through Partnership
Excavation Site Safety Practices

Each year, trench collapses are one of the leading causes of injury and death on construction sites. Of these incidents, most of the victims were new employees who lacked training and guidance prior to entering the job site. Sadly, most accidents were preventable.

Whether you are new or a seasoned employee, it is essential that you adhere to Occupational Safety and Health Administration (OSHA) regulations to ensure the safety of the entire work crew.

Trench Requirements
- Trenches 5 feet or more in depth require a protective system.
- Trenches that are 4 feet or more require a safe means of entrance and exit.
- Trenches that are 20 feet or more require an exit system designed by a registered professional engineer.

Protective Systems
The designated competent person should inspect the area and determine which protective system will suit the job site and soil most effectively. This is essential, as equipment movement, underground utilities and vibrations can cause a surcharge load on the sides of the trench, forcing it to cave in on the workers inside. The following are the most commonly used protective systems:

- **Sloping**: Protects workers by cutting back the trench wall at an angle inclined away from the excavation.
- **Shoring**: Protects workers by installing aluminum hydraulic supports to prevent soil movement.
- **Shielding**: Protects workers by using trench boxes to prevent cave-ins.

In addition to one of these three safety measures, a low-traffic zone must be designated around the trench allowing only essential equipment to enter. This will minimize the amount of vibration to which the trench is exposed.

Avoiding Accidents
Excavation accidents can occur if the underground utilities are not located and removed prior to digging a trench. Contact your local one-call system to locate all of the utility lines. Then, label or remove them to prevent injury.

Trench accidents can also happen if safe entrance and exit routes are not present or adequate for the situation. Workers may slip back into the trench as they are trying to climb up a ladder if it is unsupported, placed on a steep slope or is poorly built.

To prevent injury while entering and exiting a trench, only the designated competent person should approve the structural device used. Workers should also place the ladder in a trench shield while trying to enter and exit to avoid a cave-in.

By complying with OSHA regulations and following these safety precautions, the risk of injury at your job site will be greatly reduced. wants everyone on our team to keep safety in mind!
There were three oral exams given for licensing.
Ted Britton and Matt Waller passed their exams for Pump Installations of 100gpm or less.
Jeff Cothron passed for Air and Mud Rotary Drilling.
Congratulations to them!

There are 238 licensed Contractors at this time. 15 have lapsed.
License renewals will be due January 31, 2019. You should get your packets shortly if you haven’t already.

Two gentlemen from the COGCC (Colorado Oil & Gas Conservation Commission) gave a very interesting presentation on their Well Inspection Program. They have implemented a risk based formula so that the inspections are conducted on wells that would likely be a greater risk for failure.
Something we could maybe model after, if we ever get additional inspectors in the field.

Staff member, Kevin Donegan gave a short presentation on some geophysical logging techniques and their availability, ease of use, and potential costs. The end goal, as I understood it, being that field inspectors could possibly have access to their own bond logging equipment for checking grouting intervals, among other things.
We’ll see how that develops…

Please contact me with any questions. Thank You.
Bruce Hier
303-688-3012
2019 CWWCA MEMBERSHIP APPLICATION

Last Name_________________________ First Name__________________________________

Company Name_____________________________________________________________________________

Address____________________________________________________________________________________

City___________________  State________________________  Zip Code________________________

Phone_____________________________ Fax________________________  Cell__________________________

Email_________________________________________________ License #_____________  District #_______

WOULD YOU LIKE YOUR NAME LISTED ON THE WEBSITE? CIRCLE ONE… YES OR NO

HOW WOULD YOU LIKE TO RECEIVE THE QUARTERLY DRILLSTEM NEWSLETTER?

PRINTED?  CIRCLE ONE… YES or NO
EMAILED?  CIRCLE ONE… YES or NO
BOTH?  CIRCLE ONE… YES or NO

The CWWCA Buck Lively Scholarship Fund is recognized as tax-exempt under the IRS Code Section 501(c)(3). VOLUNTARY DONATIONS to this organization are tax deductible as a charitable contribution to the full extent permitted by law.

THANK YOU FOR YOUR TAX EXEMPT SCHOLARSHIP DONATION  $____

PLEASE CHECK THE APPROPRIATE MEMBERSHIP CATEGORY

_____ 1. Drilling Contractor (owner or manager of a well drilling business)  $198.00
_____ 2. Pump Installation Contractor (owner or manager of a pump installation business)  $198.00
_____ 3. Drilling and Pump Installation Contractor (owner or manager of both businesses)  $198.00
_____ 4. Associate (any person or firm engaged in the manufacturing or selling of equipment services for the water well industry)  $198.00
_____ 5. Technical (a hydrologist, geologist or engineer involved in teaching, research, consulting; or government services concerned with the ground water industry)  $115.00
_____ 6. Retired (retired members wishing to retain membership privileges)  $50.00
_____ 7. Affiliate (professionals having an interest in the water well industry)  $50.00
_____ 8. Employees (employees of paid members---$60.00 each employee)  $60.00
**** Please list name and address of each employee ****
_____ 9. Student  $20.00

UPGRADE MEMBER LISTING ON THE WEBSITE  $50.00  $____

PLEASE NOTE, THERE IS A $7.00 CONVENIENCE FEE FOR CREDIT/DEBIT CARD PAYMENTS  $7.00  $____

TOTAL  – THANK YOU!  $____

$15 of your CWWCA dues is applied towards lobbying efforts on your behalf. The $15.00 is NOT tax deductible.

ACCEPTED PAYMENTS – CHECK, VISA, MASTERCARD, AMERICAN EXPRESS, DISCOVER

Credit Card #_________________________ Expiration Date_____________  CCV________

Name and Billing Address on Card ___________________________________________ Zip_______

Check #_________  Amount___________

Please return your remittance and completed membership form to:

CWWCA P.O. Box 100939, Denver, CO 80250
Phone: 720-244-8024  Fax: 720-208-0620  Email: execdir@cwwca.org
DRILLER AND/OR PUMP INSTALLER APPRENTICESHIP PROGRAM

The Colorado Water Well Contractors Association Apprenticeship Program is a voluntary program for CWWCA members, developed to assist individuals that would like to obtain a water well driller license and/or a pump installation license in the state of Colorado. Records will be kept by the CWWCA and available to the applicant to provide proof of experience to the Board of Examiners (BOE) during the license application process.

By the end of each year of apprenticeship the apprentice must attain two continuing education hours. At the end of the apprenticeship, the apprentice must comply with the existing rules for continuing education as set forth in the BOE Rules 2 CCR 402-14 concerning continuing education to obtain a driller’s and/or pump installer’s license. A Continuing Education Form (similar to the one provided to the licensed contractors by the State during the renewal process each year) will be provided to the apprentice at the end of each calendar year so the CE’s earned can be documented.

For full information on this and other CWWCA educational opportunities, go to cwwca.org and look under education.
CWWCA 2018 BOARD OF DIRECTORS

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TIME FOR RESERVATIONS!

2019 CWWCA ANNUAL CONFERENCE

Denver Marriott Tech Center
January 9-11, 2019