The Colorado Water Well Contractors Association (CWWCA) and the Colorado Ground Water Association (CGWA) will partner together at the 2018 CWWCA Annual Conference, to strengthen professional relationships and present the most current information available to those in the ground water industry.

The 2018 CWWCA Annual Conference offers 10 Continuing Education Points (CE points), and there are CWWCA and CGWA classes offered concurrently throughout the program. Included in the 10 hours of CE points offered, is a Short Course, developed to provide NGWA License Test Preparation information. The Short Course is also designed for helpers, new employees and water well industry customers.

The Colorado Division of Water Resources (DWR) approved the CWWCA Annual Conference for 8 hours of CE points. Attendees can choose which combination of classes to attend to earn their 8 hours of CE points for their 2018 CE requirement.

DWR also approved the Short Course for 4 hours of CE points. Those participating in the CWWCA Apprenticeship Program can apply the 4 hours of the Short Course to their Apprenticeship Program hours.

Another new development: CWWCA and CGWA submitted the 2018 Annual Conference program to NGWA to qualify the program for NGWA CE points for the Voluntary Certification Program. The CWWCA Annual Conference will be recognized for 10 NGWA CE points for the 2018 certification year. Those individuals certified by NGWA who attend the CWWCA Annual Conference can receive 10 points towards their 2018 CE requirement.

As a service, CWWCA and CGWA will submit the signed 2018 conference attendance sheets to NGWA by December 31, 2018, as proof of CWWCA Annual Conference class attendance.

Please note: Approval for NGWA CE points is not an endorsement from NGWA, but simply recognition of course material as appropriate for the required CE for the NGWA Voluntary Certification Program.

CWWCA IS EXCITED TO OFFER OUR BEST PROGRAM EVER... TO BETTER SERVE YOU!
ADVERTISING INFORMATION

DRILLSTEM ADVERTISING
Advertising rates for the DRILLSTEM, a quarterly publication of CWWCA
Deadlines for content: February 1st, May 1st, August 1st, November 1st
(Published March, June, September, and December)
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>
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</thead>
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<td>10%</td>
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<td>$285</td>
<td>$405</td>
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<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
4340 E. Kentucky Ave, Unit 421
Glendale, CO 80246
Phone: 720-244-8024
Fax: 720-208-0620
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 advertisement rotates 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 by 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.

WEB SITES

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/boc/

Colorado Ground Water Association
www.coloradogroundwater.org

National Ground Water Association
www.ngwa.org

World Wide Drilling Resource
www.worldwidedrillingresource.com

CWWCA CONTACTS

Executive Director
Karie Walker
4340 E. Kentucky Ave, Suite 421
Glendale, CO 80246
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 10-12, 2018 CWWCA Annual Conference - Denver Marriott Tech Center - Denver, CO
January 10, 2018 TWG Meeting - Denver Marriott Tech Center - Denver, CO
January 12, 2018 CWWCA Board Meeting - Denver Marriott Tech Center - Denver, CO
April 6, 2018 CWWCA Board Meeting - Chase Bank Building - Englewood, CO
July 12-14, 2018 CWWCA Mid-Year Conference - Beaver Run Resort - Breckenridge, CO

the DRILLSTEM  WINTER 2017
4th Quarter President’s Report

The upcoming Annual Conference in January 2018 looks to be outstanding. The conference will feature a great program with new topics. In addition, CGWA will be joining us for the first time as we work to develop beneficial relationships with other organizations in our industry. We are also excited about the new location, the recently renovated Denver Marriot Tech Center. Finally, the auction committee is working on adding a couple of new and exciting items to bid on this year…. stay tuned.

The public hearing for the new BOE rules was held on November 6th, 2017. The BOE heard oral and written testimony regarding purposed changes to the BOE rules. There is a BOE report in this issue with the results of that meeting.

CWWCA has also dedicated itself to providing better information and support for individuals seeking to be licensed in Colorado and NGWA certified. This includes classes at the Mid-Year and Annual Conferences, as well as published information sent to CWWCA members with their annual dues packet, “Advice for Successfully Passing the [NGWA] Certification Exams.” The hope is that with the additional support, we can assist the next generation of ground water professionals in obtaining their well driller and/or pump installers licenses and desired certifications.

Happy holidays, hope to see all of you at the Annual in January.

Bryan Beckner
2017 CWWCA President

MAKE YOUR ROOM RESERVATIONS NOW FOR THE 2018 CWWCA ANNUAL CONFERENCE.

Secure your reservations at the Marriott Denver Tech Center. Please call 800.228.9290 or 303.779.1100 and mention Colorado Water Well Contractors Association, or use the passkey link to do so easily online. THE DEADLINE FOR ROOM RESERVATIONS AT OUR CONTRACTED RATE OF $119 + TAX IS DECEMBER 21, 2017. If you are unsure about attendance, you can always cancel your reservation by Midnight, 2 days prior to the conference.

To make a reservation: https://aws.passkey.com/gt/215033774?gtid=d2e45e1768c74075ad161dddec5ed23ec
Wednesday, January 10

PM
1:00  5:00  Early Registration and Early Exhibitor Set-Up
2:00  3:00  Technical Working Group

**CONCURRENT CLASSES – 3:00-4:00 PM - PICK ONE**

3:00  4:00  “Jet Pumps – Operation and Optimal Use”
Ray Newmyer, M.G.W.C., NWP Drilling & Consulting  
*1 hr

3:00  4:00  CGWA Lecture – “Basic Borehole Logging”
Andy Horn, M.S., P.G., Westwater Hydrology  
*1 hr

4:00  5:00  CGWA Lecture – “Borehole Geophysical Logging for Water Resource Development”
Jim Lococo, C.P.G., Mount Sopris Instrument Company, Inc.;
Ralf Topper, Senior Hydrologist, Retired, DWR  
*1 hr

5:00  7:00  **CWWCA Supplier Sponsored Social in Exhibit Area**

Thursday, January 11

AM
7:00  10:00  Exhibitor Set-Up
7:00  8:00  Past President’s Breakfast
7:00  8:30  Registration and Continental Breakfast in Exhibit Area
8:00  8:15  CWWCA Board Members Only Working Meeting

**CONCURRENT CLASSES – 8:30-9:20 AM - PICK ONE**

8:30  9:20  “Air Drilling”
Richard Thron, Mantyla Well Drilling  
*1 hr

8:30  9:20  “Solar Pump Systems”
Trevor Lain, GRUNDFOS  
*1 hr

9:30  10:30  Membership Meeting
“NGWA Update”
Todd Hunter, 2017 NGWA President
and…
“If Safety Programs Really Work”
Steve Smith, Assured Partners, Front Range Insurance Group

10:30  12:00  **EXHIBITS OPEN**

**SUPPLIER SPONSORED COFFEE & COOKIE BREAK**
IN EXHIBIT AREA

12:00  1:10  Lunch - Installation of Officers and Awards in Exhibit Area
“History of Water Rights”
Chris Sanchez, Principal/Hydrogeologist, Bishop Brogden Associates

---

We are looking forward to our fabulous new location and seeing everyone in January. We wish everyone a wonderful holiday season!
Thursday, January 11

PM

1:10  2:00  McEllhiney Lecture: “Electrical Hydrogeology: A Picture is Worth 1000 Wells”
      Todd Halihan, Ph.D., P.G. *1hr

2:10  2:30  Suppliers Meeting

CONCURRENT CLASSES – 2:10-3:00 PM - PICK ONE

2:10  3:00  “Colorado Lien Law”
      Alyson Meyer Gould, Holsinger Law *1 hr

2:10  3:00  CGWA Lecture – “Aquifer Storage & Recovery”
      Kevin Rein, State Engineer, DWR * 1 hr

3:00  3:30  SUPPLIER SPONSORED COFFEE & COOKIE BREAK
      IN EXHIBIT AREA

3:30  4:30  CGWA Lecture - “Mapviewer”
      Chris Brown, GIS Coordinator, DWR *1 hr

4:30  5:30  Open Bar & Buck Lively Scholarship “Silent Auction” in Exhibit Area

5:00  6:00  Dinner Banquet in Exhibit Area

6:45  7:45  Buck Lively Scholarship “Live Auction” in Exhibit Area

Friday January 12

AM

7:00  12:00  Exhibitor Tear Down

7:00  8:00  Continental Breakfast

8:10  10:00  “Basic Electricity for Drillers and Pump Installers”
      Ray Newmyer, M.G.W.C., NWP Drilling and Consulting * 2 hrs

10:00  10:10  SUPPLIER SPONSORED COFFEE AND COOKIE BREAK

CONCURRENT CLASSES – 10:10-11:00 AM - PICK ONE

10:10  11:00  “BOE Administration (Licensing) Rules and New Forms”
      Kevin Donegan, Senior Hydrogeologist, DWR *1 hr

10:10  11:00  ”Surface Completions- From Start to Finish”
      Fred Rothauge, Hydro Resources * 1 hr

CONCURRENT CLASSES – 11:10-NOON - PICK ONE

11:10  12:00  “Important Safety Issues in the Water Well Construction Industry”
      Richard Thron, Mantyla Drilling * 1 hr

11:10  12:00  “DOT”
      Ryan Byers, Front Range Compliance * 1 hr

12:30  2:30  CWWCA Board of Directors Meeting- Working Lunch

Note: * Indicates Approval for Continuing Education Points

10 CE points offered
8 CE points required in CO
8 CE points approved in CO

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!
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the DRILLSTEM  6  WINTER 2017
Please Type or Print

NAME BADGES

Company Name ________________________________
Registrant I ________________________________
Registrant II ________________________________
Registrant III ________________________________
Registrant IV ________________________________

PLEASE LIST ALL NAMES CLEARLY SO THAT THEY HAVE A NAME BADGE

Mailing Address ________________________________________
City, State, Zip _______________________________________
Phone____________________Fax_________________E-mail____________________

CONFERENCE ATTENDEES ONLY

PLEASE NOTE THAT Full Registration Fee INCLUDES

1 Admission to all Courses
2 Wednesday Supplier Sponsored Social with Great Food and 1 Domestic Beer
3 Thursday Continental Breakfast, Lunch and Dinner Banquet and 1 Domestic Beer
4 Friday Continental Breakfast

By December 16 After December 16 Number Amount
*CWWCA Member Fee $196 $203 ______ $____
*Employee Member/Spouse $182 $186 ______ $____
*MUST HAVE INDIVIDUAL 2018 CWWCA MEMBER DUES PAID
Non-Member Fee $263 $273 ______ $____

CONFERENCE REGISTRATION TOTAL $____ $____

THESE ARE ADDITIONAL EXTRA TICKETS FOR GUEST MEALS

NAME BADGE FOR GUEST

For Wednesday Social Only $33.00 ______ $____
For Thursday Breakfast Only $20.00 ______ $____
For Thursday Lunch Only $20.00 ______ $____
For Thursday Dinner Only $44.00 ______ $____
For Friday Breakfast Only $20.00 ______ $____
Children under 13 Lunch and or Dinner $18.00 ______ $____

TOTAL PAID $____

Method of Payment: Check Number ____________
Credit Card: Visa ( ) Master Card ( ) Discover ( ) AMEX ( )
Name on Card __________________________________________
Credit Card #__________________________________________ Expiration Date______ CCV____
Billing Address________________________________________ Zip Code_______
Signature__________________________________________________________________________

Please return your remittance and completed registration form to:
CWWCA, 4340 E. Kentucky Ave. # 421, Glendale, CO 80246

Cancellation Policy: Full registration fees will be refunded prior to Dec. 21, 2017. A $50 fee will be charged for cancellations submitted between Dec. 21, 2017 & Dec. 31, 2017. No fees will be refunded after Jan. 1, 2018. 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.
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GRAND JUNCTION, CO
970.523.6502
SHORT COURSE REGISTRATION ONLY
NGWA License Test Preparation Information

4 HOURS

Presented by:
Ray Newmyer, M.G.W.C. - “Basic Electricity for Drillers and Pump Installers” – 2 Hrs
Fred Rothauge - “Surface Completions-From Start to Finish” – 1 Hr
Richard Thron – “Important Safety Issues in the Water Well Construction Industry” – 1 Hr

FRIDAY, JANUARY 12, 2018
8:10 AM – NOON

This short course was created in response to multiple requests from CWWCA contractor members for an education program to instruct their helpers, new employees and customers on the basics of water well design and construction.

The 4 hours of the 2018 Annual Conference Short Course can be applied towards CWWCA Apprenticeship Program hours.

We would like to extend the offer for short course attendees to attend the rest of the conference classes for free.

Meals are not included and will need to be purchased in addition to the short course fee.

Please Type or Print

NAME BADGES

Company Name

Registrant I

Registrant II

Registrant III

Registrant IV

Billing Address

City, State, Zip

Phone_________________________Fax_________________E-mail______________________________

CWWCA Apprentice Member Fee - $65

Non-Apprentice Member Fee - $95

THESE ARE MEAL TICKETS FOR SHORT COURSE ATTENDEES
MEALS ARE NOT INCLUDED IN THE SHORT COURSE FEE

Wednesday Social (includes 1 domestic beer) $33.00

Thursday Breakfast $20.00

Thursday Lunch $20.00

Thursday Dinner (includes 1 domestic beer) $44.00

Friday Breakfast $20.00

TOTAL PAID $_____

Method of Payment:  Check Number____________

Credit Card  Visa_________   Master Card_________  Discover______ AMEX_______

Name on Credit Card

Billing Address _________________________________________________________________

Credit Card #_________________________________________ Expiration Date_____  CCV____

Signature__________________________________________________________________________

Please return your remittance and completed registration form to:
CWWCA 4340 E. Kentucky Ave. #421 Glendale, CO 80246  Phone: 720.244.8024  Fax: 720.208.0620


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

Next TWG Meeting:
2:00 PM, January 10, 2018
Marriott Tech Center
4900 S Syracuse St, Denver, CO 80237

Attendees:
Daniel Niemela, Travis Day, Andy Horn, Gene Wagner, Bruce Heir, Joe Meigs, Joel Canfield, Tom Harder, Dave Wilson, Mike Temple, Keith Branstetter, Fred Rothauge, Bryan Beckner, Brad Himes, Chris Sanchez, Doug Stephenson

Moderator for January 2018 Meeting
Brad Himes

DWR Report
Permit activity is very slighted reduced compared to 2016. Summary below.

<table>
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<tr>
<th>CDWR Well Permit Activity From: 1/1/2016 to 9/30/2016</th>
<th>CDWR Well Permit Activity From: 1/1/2017 to 9/30/2017</th>
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<tr>
<td>Total Applications Received</td>
<td>4,731</td>
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<tr>
<td>Total all Permits Issued</td>
<td>4,313</td>
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<tr>
<td>Total New Exempt Permits Issued</td>
<td>3,161</td>
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<tr>
<td>Total New Non-Exempt Permits Issued</td>
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<tr>
<td>Replacement Permits Exempt</td>
<td>321</td>
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<tr>
<td>Replacement Permits Non-Exempt</td>
<td>84</td>
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<tr>
<td>Geothermal Applications</td>
<td>30</td>
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<tr>
<td>Geothermal Permits Issued</td>
<td>29</td>
</tr>
<tr>
<td>Monitoring Hole Notice</td>
<td>773</td>
</tr>
<tr>
<td>Total Wells Plugged and Sealed</td>
<td>629</td>
</tr>
<tr>
<td>Total Applications Received</td>
<td>4,570</td>
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<tr>
<td>Total all Permits Issued</td>
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<tr>
<td>Total New Exempt Permits Issued</td>
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<tr>
<td>Total New Non-Exempt Permits Issued</td>
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<tr>
<td>Replacement Permits Exempt</td>
<td>337</td>
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<tr>
<td>Replacement Permits Non-Exempt</td>
<td>89</td>
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<tr>
<td>Geothermal Applications</td>
<td>46</td>
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<tr>
<td>Geothermal Permits Issued</td>
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<tr>
<td>Total Wells Plugged and Sealed</td>
<td>544</td>
</tr>
</tbody>
</table>

The DWR remains staffed with two field well inspectors. The notification process implemented in the 2016 Water Well Construction Rules has improved inspection efficiency. Most contractors have adapted to the revised 2016 Water Well Construction Rules, although there have been some violations.

The hearing for the Administrative Rules revision will occur on November 6, 2016 at 8:00 AM. The most substantive change to the proposed revised administrative rules is a revised bond amount of $20,000. Proposed rules are posted on the BOE website.

Draft DWR Forms
Proposed Well Construction and Yield Estimate Report and Well Abandonment Reports were circulated for comment. The forms will be implemented in early 2018.

Discharge Permitting
On August 7, 2017, Dan Niemela provided testimony to the BOE seeking clarity regarding CDPHE

(Continued on page 12)
discharge permitting on behalf of the CWWCA. The CDPHE revised the Low Risk Discharge Guidance – Discharges of Uncontaminated Groundwater to Land on August 8, 2017: https://www.colorado.gov/pacific/sites/default/files/WQ%20LOW%20RISK%20GW.pdf

However, there remains substantial uncertainty regarding CDPHE regulation of: (a) well yield test discharge, (b) well construction discharge and (c) well development/rehabilitation discharge.

CWWCA will continue to seek clarity on this issue.

Well Inspection Program
Bob Randall (DNR Executive Director) will meet with the CWWCA on October 6, 2017 regarding the Well Inspection Program.

The State Auditor has chosen to complete the Well Inspection Program audit. The audit is not expected to be complete during the 2018 legislative session.

Upcoming BOE Vacancy
Theresa Jeln-Dellaport’s term at the BOE will expire during 2018 or 2019. There is some conflict between appointed term and statutory term limits. Octave Blouin’s term expires in 2019. The BOE has considered the benefit to staggered term expiration that maintain consistency by not replacing more than one board member during the same year.

The CWWCA may consider making recommendations to the Governor regarding BOE appointments.

Future Topics
DWR update
Well inspection program
CDPHE discharge permitting

Respectfully submitted by Daniel O. Niemela
Legislative Session Approaches

On January 10, 2018, Speaker of the House Crisanta Duran (D) and President of the Senate Kevin Grantham (R) will gavel their respective chambers to order. At that moment, the 120-calendar session will commence.

Governor Hickenlooper Starts His Exit

When the session convenes, we will be in last few months of Governor Hickenlooper’s term of office. While it is not known what legacy efforts the Governor will make in these closing months, we can expect that the Republican majority in the Senate will not be inclined to help him very much. The tensions between the Governor and the Republican Senators will likely be very intense.

We are already seeing the wind down of the Governor’s presence as a continual parade of top administration officials announce their resignations and begin to move to other jobs. The Governor, of course, will appoint replacements for those exiting officials and many will require Senate confirmation. Most of the appointments will be of individuals who can be considered caretakers for the agency until a new Governor begins his or her own appointments in 2019. It is not likely we will see many major policy initiatives from these appointees.

A major contribution to Governor Hickenlooper’s legacy will come outside the legislative process. When Neil Gorsuch was confirmed as a justice to the United States Supreme Court, a vacancy on the United States Court of Appeals was created. President Trump nominated Colorado Supreme Court Justice Allison Eid to that vacancy. Justice Eid’s nomination was sent to the full US Senate by the Senate Judiciary Committee and she was confirmed by the full US Senate on November 2.

With Justice Eid’s confirmation, a nearly instantaneous vacancy on the Colorado Supreme Court occurred. Governor Hickenlooper will fill that vacancy by appointment. Judicial appointments in Colorado do not require the consent of the Colorado Senate, so the appointment will not be considered by the legislature. Colorado uses a nomination process to select individuals for the Governor’s consideration. It does not seem likely that the Governor will select a conservative for appointment and his appointment will color the philosophy of the Colorado Supreme Court for many years into the future. In fact, this Supreme Court could be considered the “Hickenlooper Court” because with this appointment Governor Hickenlooper will have appointed 4 of the 7 justices. The new justice will join preceding Hickenlooper appointments of Justices Boatright, Hood and Gabriel by Governor Hickenlooper.

The 2018 Election Dominates Everything

We do not routinely discuss campaigns and elections as part of our legislative reports, but this cycle is different. Nothing that occurs at the State Capitol can be understood without viewing it through the lens of the 2018 election.

The upcoming election in November 2018 will dominate and consume everything at the Capitol. This is truly one of those sea-change elections. Not only do we get a new Governor, the offices of Secretary of State, Attorney General and State Treasurer are up. While neither of our United States Senators are up in 2018, all 7 members of our Congressional delegation are up. It is certain that there will be at least one new face among our congressional delegation. That face will belong to the person who succeeds Congressman Jared Polis (D) in Congressional District 2. Congressman Polis opted to seek election as Governor rather than reelection to Congress. The district will likely remain Democrat, so Polis’s exit does not change the partisan balance of the delegation.

It is too early to handicap the congressional election because there are too many unknowns. For example, if Attorney General Cynthia Coffman decides to run for Governor rather than for reelection, that decision is likely to prompt Congressman Ken Buck (4th CD) to run for Attorney General – and that will kick over the dominoes for a successor to him. And there are other variables that could affect at least one other congressional race.

2020 Census and Redistricting

The results of the 2018 election are critically important for the redistricting and reapportionment process that will be reapportionment are not the same thing although the terms

(Continued on page 15)
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are often used interchangeably. “Reapportionment” refers to the allocation of seats in the US House of Representatives. The House is limited to 435 seats which must be allocated among the 50 states in relation to population. This reallocation is important for each state both for the size of their delegations and for the Electoral College.

The 2018 election is critical for the decennial congressional and legislative redistricting. There are some analyses that indicate that Colorado’s population growth will result in the state gaining a new congressional district – taking us from 7 seats to 8. That would also increase our Electoral College votes from 9 to 10. If that analysis proves correct, every one of the current seats will be redrawn to meet the constitutional requirements for proper population apportionment. The new boundaries for both congressional districts and legislative districts must be in place before the 2022 election cycle begins. Candidates need to know where the district lines are so that they will know if they are eligible to run for a given seat.

The 2018 election becomes critical even though it is 2 years before the census and the redistricting that will occur after the census. Members of the legislative redistricting commission are appointed by the Governor, the Chief Justice of the Supreme Court and the majority and minority leadership of the legislature. As quickly can be seen, a Democrat Governor combined with a Democrat majority in the legislature will control the drawing of lines.

The legislature, rather than the commission, redraws the congressional district lines. Not only is this important for the voting strength to draw the lines favorably for the majority, it becomes important if the Governor must veto the congressional map. Then it requires a 2/3 override vote to make the map official. Governor Dick Lamm vetoed several maps during his terms in office.

What is certain is that the census will drive the districts to be less rural and more urban in character. Rural Colorado will lose big while the urbanized Front Range of Colorado will gain more political clout. The seat most likely to be vulnerable for a major realignment is Congressional District 6 – held by incumbent Mike Coffman.

Issues of Interest to CWWCA

We are expecting this session to be very much like the past 2 or 3. It will be highly partisan because of the pending election. Many bills will be introduced, and votes cast, to position legislators where they would like to be as they go into the formal election cycle.

Over this past summer, the Water Resources Review Committee met several times to discuss a variety of issues related to water. On October 31, the WRRC completed its summer work by referring 4 draft bills to the legislative leadership for consideration. None of those bills affected the interests of the CWWCA members.

Our number one priority remains the water well inspection program. Two things of note have occurred.

First, the Legislative Audit Committee has agreed with our recommendation that the State Auditor conduct an audit of the well inspection program. We had sent a letter requesting the audit shortly before the legislature adjourned in May. When it appeared the Audit Committee might not authorize the audit, Senator Randy Baumgarder (R-Grand County) sent a letter to the committee supporting the audit. In early summer, the Audit Committee acted to authorize the State Auditor to conduct the audit.

Audits are time consuming, so we do not know exactly when the work will be completed. Additionally, we do not know exactly what the scope of the audit will be. We structured our request on determining what the appropriate staffing level should be and what the appropriate financial support should be.

At our request, Mr. Bob Randall (Executive Director of the Department of Natural Resources) met with the CWWCA board in October. The discussion was open and candid. However, it appeared to us as if Mr. Randall was taking a position that doing anything to strengthen the inspection program would have to wait until the audit was completed and the Audit Committee had made its recommendations.

From the Department’s perspective this “wait and see” position is understandable. It would not be rational for the Department to make significant changes to fees or to add permanent staff until it knows what the Audit Committee will recommend. However, from our position we believe this just begs the question of inadequate resources. We believe there are immediate actions the Department can take without running the risk of a conflict with findings of the auditor.

We are in the process of preparing a letter to Mr. Randall setting forth our recommendations for immediate action and we will share that with the members as soon as our board completes its review of the draft letter and we have sent it to Mr. Randall.
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November 7, 2017

On November 6, 2017 the Board of Examiners of Water Well Construction and Pump Installation Contractors (BOE) held a Rulemaking Hearing and adopted the proposed changes to the Rules and Regulations for Administration of Licensing, Financial Responsibility, Continuing Education and Remedial Action 2 CCR 402-14 (BOE Administrative Rules). Thank you to everyone who provided comments and suggestions for the Rules.

The “ Adopted” version of the BOE Administration Rules can be viewed on the BOE Admin Rulemaking Webpage, http://water.state.co.us/groundwater/BOE/Pages/RulemakingBOEAdmin.aspx.

The Rules will be effective January 1, 2018 and will impact your 2018 license renewal. Every licensed contractor must now, on a form provided by the Board, include the following:

1) Evidence of financial responsibility by means of a corporate surety bond or alternative funds in the amount of $20,000 and
2) A list of employees who perform well construction and/or pump installation under your license.

If you are not up for renewal this year, you must still provide these two items to the Board. You will notice the license application has been reformatted, as well. If you have any questions regarding the new Rules, the license renewal process, or anything else please contact Doug Stephenson, Chief Well Inspector.

The remaining important dates in the Rulemaking Process (as of November 7, 2017) are listed below:

• On or Before November 26, 2017
  o Attorney General’s Office issues opinion on constitutionality and legality

• On or Before November 30, 2017
  o File Adopted Rules with Secretary of State and Office of Legislative Legal Services

• December 10, 2017
  o Adopted Rules published in Colorado Register
    (http://www.sos.state.co.us/CCR/RegisterHome.do)

• January 1, 2018
  o Adopted BOE Administration Rules become effective

• January 15, 2018
  o Certificate of Completion for Continuing Education must be filed with BOE Staff

• February 1, 2018
  o License will lapse if any of the following have not been submitted; certificate of completion, evidence of financial responsibility, and any other relevant license renewal documents.
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By: Gene Wagner EMT-P and Licensed Pump Installation Contractor

Bleeding and Shock

One of the issues we face in this line of work is the potential for serious injury. The types of injuries that can occur are blunt force trauma, abrasions, contusions, laceration, avulsions, amputations and burns. I won’t go into detail about each type of injury here today, but what I would like to talk about is that which has the potential to kill us with these injuries, and that is bleeding.

What happens to the body as we start to bleed? With most bleeding, it is minor enough that no emergency care is needed outside of maybe a Band-Aid. As bleeding progresses the body takes steps to protect the vital organs. Pulse rate increases to compensate for the blood loss. Blood vessels constrict to try to increase blood pressure and blood is shunted with this constriction from the skin and stomach to vital organs. The first sign of significant blood loss manifested by the body is the person will get anxious followed by confusion and eventually loss of consciousness. The person may also get nauseous and possibly vomit due to the lack of blood to the digestive tract. If someone loses enough blood they will go into Hypovolemic Shock. Shock is defined as inadequate tissue perfusion, meaning not enough oxygen is getting to the cells. If caught early enough this is reversible.

Most bleeding can be stopped by simply applying direct pressure to the wound site. If available, wearing clean nitrile gloves, apply pressure to the wound with a clean sterile dressing. These can be found in your first aid kits discussed in a previous article. Hold pressure to the wound for several minutes and reassess the bleeding. If the bleeding has stopped, wrap with a bandage to hold the dressing in place. If the dressings are saturated with blood and bleeding continues, apply more dressings over the saturated dressings. Do not remove any dressings. If bleeding persists apply a tourniquet above the wound.

A tourniquet should be a restricting band at least 1” wide if available. The C.A.T. tourniquet is a commercially made tourniquet used by the US military to treat trauma patients. These can be bought for $10-$30. When applying a tourniquet, place the tourniquet above the injury site and tighten it until the bleeding stops. Ideally, you should be able to feel a pulse below the tourniquet after application. If not, do not loosen the tourniquet. When applying a tourniquet a good thing to remember is life over limb. A person can lose a limb and still survive but if they bleed out they are dead. After bleeding has stopped note the time the tourniquet was applied and transport the victim to the nearest medical facility. If at all possible you can rendezvous with an ambulance. Any severe bleeding should be assessed by a doctor.

In case of amputations, transport the severed body part with the victim. The part should be kept cool and dry during transport. Although amputations can be gruesome, they typically don’t bleed excessively. Be prepared to use a tourniquet however. The key is to keep the patient as calm as possible in all bleeding situations. If you have to drive the victim to the hospital do so in a calm safe manner. There is no need to add more patients to the scenario. Hope this helps. As always feel free to contact me if you have any questions.
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Buck Lively Scholarship Application

Please see page 23 for mandatory requirements

Section 1: Personal Information

Name

Address

City State Zip Code

Student’s Cell Phone Parent’s Cell Phone

Student’s Email Parent’s Email

Section 2: Academic Information

High School Name HS Graduation Date

HS Address, State, Zip Code HS GPA

HS Field of Study or Area of Interest

University/College/Trade School Name Expected Grad Date

College Address, State, Zip Code College GPA

Current or Anticipated Field of Study or Degree Program

Section 3: Sponsor

CWWCA Member Sponsor’s Name Relationship to Applicant

Sponsor: I have reviewed this application and confirm that the information is accurate to the best of my knowledge.

Sponsor’s Signature Date
INSURANCE

Drillers: Water, Enviro, Cathodic, Geothermal, etc.
Pump Installers
Environmental Contractors
Manufacturers & Distributors
Engineers, Consultants
Geologists
Oilfield Service Contractors

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DRILLING DOWN TO WHAT MATTERS
Colorado Water Well Contactors Association
Buck Lively Scholarship Application
MANDATORY REQUIREMENTS

Section 4: Attachments

Mandatory Attachments to Mail:
Your most recent official academic transcript. Unofficial transcripts will not be accepted.
A minimum of two (2) current written recommendations from individuals that are not direct family members.
Your Educational and Career Goals Statement. One-page, single side essay, 200 words minimum, in a WORD DOCUMENT labeled with your name. PLEASE ALSO EMAIL THIS WORD DOCUMENT TO execdir@cwwca.org.

Mandatory Attachments to Email:
A recent photo of yourself.
A concise, Mid-Year Progress Report, no more than 2 paragraphs, in a WORD DOCUMENT, sent with your official transcript, by January 21st of the year following when you receive scholarship funds.
If you are awarded a scholarship, we require a short 1-minute JPEG video of yourself, explaining how the scholarship has helped you and your academic success. Feel free to have fun with this video. We need the video by December 1st of the year awarded funds. We will use this for various events to help raise further funds for the Buck Lively Scholarship Fund.

Applications must be postmarked and career goals statement must be emailed by March 31st.
Incomplete applications will be disqualified.

CWWCA Scholarship Program
4340 East Kentucky Avenue, Suite 421
Glendale, CO 80246
Phone: 720-244-8024
Fax: 720-208-0620
Email: execdir@cwwca.org

I, ____________________________________________, as an applicant for the CWWCA Buck Lively Scholarship, 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
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Cell___________________________Email__________________________________________________

DO YOU WISH TO HAVE YOUR NAME LISTED ON THE WEB PAGE? YES ( )  NO ( ) 
LICENSE # __________________ (WE MUST HAVE THIS TO PLACE YOU ON THE WEB PAGE)
You Must Check yes or no otherwise we will assume that your answer is NO

PLEASE ENTER YOUR DISTRICT # ______

UPGRADE MEMBER LISTING ON WEBSITE $ 50.00 $_____

PLEASE CHECK THE APPROPRIATE MEMBERSHIP CATAGORY

_____1. Drilling Contractor (owner or manager of a well drilling business) $195.00

_____2. Pump Installation Contractor (owner or manager of a pump installation business) $195.00

_____3. Drilling and Pump Installation Contractor (owner or manager of both businesses) $195.00

_____4. Associate (any person or firm engaged in the manufacturing or selling of equipment services for the water well industry) $195.00

_____5. Technical (an hydrologist, geologist or engineer involved in teaching, research, consulting or government services concerned with the ground water industry) $ 75.00

_____6. Retired (retired members wishing to retain membership privileges) $ 40.00

_____7. Affiliate (professionals having an interest in the water well industry) $ 40.00

_____8. Employees (employees of paid members----$20.00 each employee) $ 20.00

_____9. Student $ 20.00

****Please list name and address of each employee at the top of the page

The CWWCA Buck Lively Scholarship Fund is recognized as tax-exempt under 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 $_____

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

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Please return your remittance and completed Membership Form to:

CWWCA 4340 E. Kentucky Ave. #421, Glendale, CO 80246
Phone: 720-244-8024 Fax: 720-208-0620 email execdir@cwwca.org
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.
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