



THE

IPSSAN

Mission Statement: The Independent Pool & Spa Service Association, Inc. exists for the mutual professional benefit and growth of its members and for the continued improvement of the pool and spa service industry.

VOLUME XXVIII, NUMBER 11

November 2016

California Capitol Report

La Niña and California's water outlook

By John Norwood

John Norwood is president of The California Pool and Spa Association (formerly SPEC).



It is a confusing time to be watching the weather in California. On the one hand, rain has returned to much of the state, with Northern California having already received several storms and above average rainfall for the time of year. However on the other, dire predictions of an impending La Niña winter and an extended drought are also on the horizon, leaving it unclear what the next few months will bring.

Climate scientists have stated that unlike last year, when it was clear that an El Niño system was forming, this year there is no real way to tell yet what the forecast will bring. In many cases it appears that it is equally likely that we will either receive an average amount of rain or a below average amount of rain that will continue California's historic drought for yet another year.

Early predictions from the National Oceanic and Atmospheric Administration have stated that there will likely be a "weak" La Niña system this winter, which could possibly result in a dryer than usual season. However that forecast was also followed up with a reminder that La Niña systems are anything but predictable, and that the forecast could still change in the upcoming weeks and months.

However even the possibility of a La Niña and another dry winter is enough to make California nervous. The average rainfall conditions of last winter were certainly not enough to end the five year drought, and a lack of rain this year would be devastating to the state's water supplies. Reser-

voirs have still not recovered to their pre-drought levels, and in some cases rain this winter is necessary just to keep them operating and to keep the towns and cities that rely on them from running out of water.

Complicating the issue is the fact that the mandatory water conservation restrictions put in place by Governor Jerry Brown has been removed, leaving the responsibility for developing water savings plans up to each individual city and water districts. Those entities are required to prove that they have three years of water available and to have their own water shortage contingency plans drafted to make that possible, instead of simply requiring that each city meet a blanket conservation target. This means that while some cities may be significantly relaxing their water conservation requirements without the threat of punishment from the state level, others may choose to increase their requirements to meet the three year demand.

Several cities have attempted to either ban or severely restrict the filling and refilling of pools in recent weeks, with some even returning to the subject after it had been addressed and dismissed. The city of Ojai brought a measure to the city council in September proposing a 45 day moratorium on the building of new swimming pools, a prohibition that could have been extended to as long as two years if the council deemed it necessary. The CPSA responded by sending letters

Continued on page 18



Capital Valley Santa's Summer Get-Away 2016

By Shaleen Stevenson

It's the end of the season and time to take a little break! Capital Valley IPSSA has just celebrated their 7th Annual Santa's Summer Getaway in Sly Park. We take over two of the group camp sites, which have lake access, for a weekend of fun, fellowship and frivolity! There were tube rides on the boat, canoeing, a rope tying class, Pinewood Derby races for all ages, and enough food to last for two weeks, even though we are only there for two days! Of course,

as with any good camping trip there was a campfire each evening, this year with a fire stick show performed by one of the campers, and smores! Approximately 70 campers arrive starting on Friday afternoon, set-up their tents or RVs and the rest of the time is fun, fun, fun. Breakfast and dinner is provided (and no one is hungry yet when lunchtime comes!).

Many thanks to our great sponsors who help make this an affordable family event. We couldn't do it without you! Our platinum level

sponsors are Pentair, HASA, Polaris, Zodiac, Leisure Time Pool & Spa Repair, Hayward, and Pool Corp. Gold level sponsors are Pool Time, FPSIE, and Bullseye Leak Detection and Silver level sponsors are Folsom Lake RV, Chem Quip, Oreq, Advanced Pool Coatings, Deck-O-Seal, Aztec Solar and Leisure Supply. Everyone is welcome and the costs are extremely reasonable. Next year's dates are September 14-16. Hope you can join us!

Things to do in November

- Focus on yourself
- Schedule your annual physical
- Education at Int'l Pool Spa Patio Expo

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THE IPSSAN

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Ken Cordero wins the September Education Corner quiz

Ken Cordero, a member of the San Antonio chapter, was selected randomly among all of the correct entries for the September Education Corner Quiz and will receive an IPSSA shoulder bag & backpack. All correct entries submitted during 2016 are eligible for a big drawing at the end of the year for more IPSSA logo items.

The correct answers for the September quiz are 1. The "acceptance" pH range for pool water is: A. 7.2 to 7.8 B. 7.4 to 7.6 C. 7.4 to 7.8 D 7.2 to 7.6, *the correct answer is a) 7.2 to 7.8.* 2. Most residential chlorine generators design to accommodate pools up to 25,000 gallons are capable of producing about 1 pound of pure chlorine a day. A. True B. False, *the correct answer is a) true.* 3. Another name for drop-count test is a titration. A. True B. False, *the correct answer is a) true.* 4. There

is no doubt that cyanuric acid slows down the kill rate of chlo-

rine. A. True B. False, *the correct answer is a) true.*

Calendar of Events

- Oct. 30-Nov. 4** **Int'l Pool Spa Patio Expo**
Ernest N. Morial Convention Center, New Orleans, LA
www.poolspapatio.com
- Nov. 2** **NPC Start-Up Technician Certification Class**
New Orleans, LA
mpandzic@tso.net
- Nov. 18** **NPC Start-Up Technician Certification Class**
Mesa, AZ
mpandzic@tso.net
- Dec. 2** **NPC Start-Up Technician Certification Class**
Palm Desert, CA
mpandzic@tso.net
- Dec. 16** **NPC Start-Up Technician Certification Class**
Salt Lake City, UT
mpandzic@tso.net
- Jan. 28, 2017** **Region 7 Table Top**
Four Points Sheraton, San Diego, CA
www.region7tabletop.com
- Feb. 3-4, 2017** **IPSSA Leadership Weekend**
Wyndham Anaheim Garden Grove, Anaheim, CA
info@ipssa.com

WELCOME NEW MEMBERS!

REGION 2 – Conejo Valley: Angel Zamora... **REGION 3 – San Fernando Metro:** Sean McElroy... **REGION 6 – Temecula/Murrieta:** Pat Boyd; John Cunningham... **REGION 7 – Escondido:** David Grandis... **REGION 11 – North Georgia:** Brandon Gray.

IPSSA Code of Ethics

As a member of the Independent Pool and Spa Service Association, Inc., I will utilize my professional knowledge and skilled practical workmanship in providing quality customer service. To that end, it will be my responsibility to keep informed of developments in the pool and spa industry including new techniques and product applications.

My second obligation will be to the members of IPSSA by giving them any professional assistance they may need including sick route coverage.

With respect to sick route coverage, I will treat sick route clientele with professionalism and respect, and will not solicit the business of a sick route client while providing sick route coverage.

My final responsibility will be to my community and its citizens. I will strive to communicate the necessity for pool safety and other issues of importance to pool and spa owners.

In these ways, I will promote the ideals and objective of the Independent Pool and Spa Service Association, Inc.

Financial office thanks chapters with prompt payments

The Financial Office thanks the following 44 chapters, whose members all paid promptly in September before second notices were required:

- Region 1 – Delta, El Dorado, Elk Grove, Gold Country, Modesto Central Valley, Tracy
- Region 2 – Central Coast, Conejo
- Region 4 – Central Los Angeles, East Long Beach
- Region 5 – Anaheim, Dana Point, Orange Coast, Orange County #9, OCPP, Saddleback, Southwest, Surf City, Yorba Linda
- Region 6 – Corona, Menifee Valley, Palm Springs, Redlands, Riverside, Temecula/Murrieta
- Region 7 – Carlsbad
- Region 8 – Henderson, Northwest Las Vegas, Scottsdale, West Valley
- Region 9 – Austin, Corpus Christi, North Houston, West Houston
- Region 10 – Fremont, Mid Peninsula
- Region 11 – Cape Coral, Gold Coast, North Georgia, Port Charlotte, Sarasota, Treasure Coast
- Region 12 – Dallas, Mid Cities DFW

*** WIN *
IPSSA Logo
Gear!**

Education

Corner

All members who mail an entry with the correct answers will become eligible for a drawing at the end of the month for IPSSA logo gear. All correct entries will go into a year-end drawing for other IPSSA merchandise. IPSSA members are the only eligible participants and only one entry per month is permitted. Each month, the winner of the drawing will be published in The IPSSAN. Entries for this month must be received by **DECEMBER 20, 2016.**

1. In the pool industry, liquid chlorine is the chemical compound:
 - A. Sodium hydroxide
 - B. Sodium hypochlorite
 - C. Sodium hypochloride
 - D. Sodium chloride
2. Disinfection means to kill all of the organisms in water.
 - A. True
 - B. False
3. Chlorine gas in air is an irritant to the respiratory tract at only 3 ppm.
 - A. True
 - B. False
4. Unless water has a sufficient hardness, it will be aggressive or corrosive and attempt to dissolve any source of calcium or magnesium around.
 - A. True
 - B. False

Name _____

Address _____

City _____ State _____ Zip _____

Telephone Number (____) _____

Chapter _____

Correct Answers: 1. _____ 2. _____ 3. _____ 4. _____

(Please indicate A, B, C, or D for each answer.)

Mail Entry to:

IPSSA Quiz, 10842 Noel Street, #107, Los Alamitos, CA 90720

Or Fax to: (888) 368-0432

Entries for this month must be received by **DECEMBER 20, 2016.**

2016 Pleatco Perfect Pool Guy and Gal winners

Pleatco, LLC and co-sponsors Genesis and the National Swimming Pool Foundation, today announced the winners of the 2016 Perfect Pool Guy and Gal Search! The annual Pleatco Pool Guy/Gal Search is an innovative way to honor the hard-working men and women of the pool and spa service industry. With over 100 contestants, this year's entrants were as impressive as ever.



Cory Eagles

Jennifer Del Vaglio

Congratulations to our 2016 Winners!

This year, Cory Eagles, of Moncton NB, Canada, won the prestigious title of Pleatco Perfect PoolGuy 2016. "Cory not only has a heart of gold, he has the work ethic of steel! Cory is celebrating the 10th anniversary of opening his own business and his success in Canada is due in large part to his determination, great customer service, honesty and integrity," remarks Howard Smith, CEO of Pleatco. In response to winning the award, Cory replied, "I am deeply honored and humbled to be receiving one of the top awards in the industry!"

This year's Perfect PoolGal 2016 is Jennifer Del Vaglio, our Perfect Pool Gal comes from Southold, New York. From building pools to excelling in perfect water chemistry to maintenance and retail expertise, there is nothing Jennifer does not do. She takes a lot of pride in being able to excel as a woman in the pool industry. "Her customers rave about her and say she is upbeat, positive and caring," says Smith. Jennifer remarked "I am overwhelmingly thrilled to be honored with recognition

from my clients, peers, and an industry leader like Pleatco for my dedication and hard work. It is heartwarming to know I do make a difference."

With so many worthy entrants, Pleatco once again expanded the contest and created additional awards. "During our final interviews, we were impressed by the caliber and diversity of so many individuals that we felt it was proper to recognize the outstanding achievements of several other

entrants," says Battista Remati, CMO. "In that spirit, we selected contestants for Special Awards based on their contribution to their community and the pool and spa industry."

Backyard Hero Award: Todd Riddick, Outer Banks, NC.

Outstanding Service Award: Erin Thibodeau, Pace, FL

Industry Leadership Award: Jason Lehmann, North Richland Hills, TX

Lifetime Achievement Award:

Doug Heouber, Lake Worth, FL

Big Heart Award: Mark Howard, Phoenix, AZ

Over the nine years that Pleatco has held the contest with co-sponsor Genesis3. The highlight of this year's contest is the inclusion of the National Swimming Pool Foundation as co-spon-

sor. NSPF will award their new Advanced Service Technician™ (AST) Certification Course to each and every finalist. This significant contribution raised the level of the contest to impressive new heights.

"The service industry is
Continued on page 5

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Understanding ORP, sanitization and how controllers work

By Lance Fitzsimmons

Lance Fitzsimmons is the Inside Sales Manager for Pool Warden controllers manufactured by ControlOmatic. Lance has been in the pool industry since 1984 and has worked directly in the servicing of chemical automation products since 1991. Lance worked with Acu-Trol, Ecolab and

Leslie's in everything from technical support to sales roles. Lance is a CPO instructor and has a degree in sales management.

Correct water balance in commercial pools and spas is the difference in having a safe and attractive pool and a disaster. Advances in chemical automation, development of new methods of disinfection and better education on the problems associated with water chemistry have made the aquatics facility manager's job easier while providing safer water to the bather.

Swimming Pool ORP/pH controllers have been around since the mid 1970's but were very large and expensive so typically were

found only in municipalities. The greatest innovations came in the early 90's when controllers became powered by microprocessors instead of analog technology. The introduction of the two-pool controller with modem communications became an extremely powerful tool which allowed an operator to monitor and control pool water

remotely as well as send information to a pager.

Remote communications has made it possible to become proactive in swimming pool and spa management. Whenever water chemistry falls below the threshold established, a message is sent to a pager or cell phone so pool operators can login to the controller to diagnose and correct the problem before the problem becomes a health issue. Chemical automation using direct connections from microprocessor based programmable controllers to a wireless internet database management system provides the aquatic facility manager "real time" information regarding his water chemistry. Programmable controllers have now become the reporting media transferring information from the aquatic facility to a "readily accessible" record of the pools current and past status. This offers the aquatics facility manager better monitoring and control of the chemical balance in the aquatic facility with more accuracy than at any time in the past. A new age of management and control of commercial pools is at hand.

In 1996, hospitality service provider Ecolab began to roll out their Aqua Balance program on a nationwide basis providing a large number of hotels, resorts, schools, health clubs and cruise ships with chemical controllers as part of a chemical service program and brought the use of chemical

Continued on page 8


During the Holidays the need is so great and it's so easy to help!

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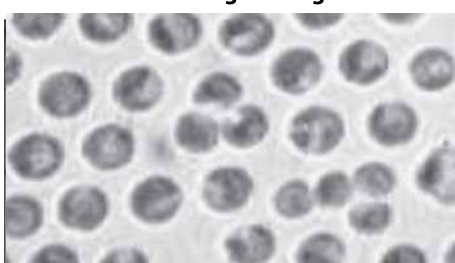
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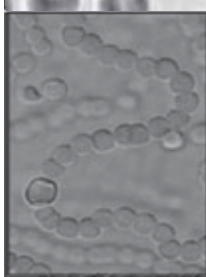
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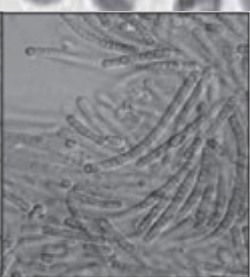
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LETTERS

Letters to the editor must be signed in order to be published, and must be accompanied by an address, valid e-mail address, and a daytime phone number for verification purposes. (Your phone number will not be printed.) Unsigned letters will not be published unless a compelling reason for withholding your name is given. Letters to the editor containing erroneous or unverifiable information will be edited or rejected. No letter that makes personal attacks on someone's character will be published. The editorial staff reserves the right to edit for length or grammar or reject submitted material that does not meet these standards. Letters requiring a response will be held for publication until the response is received.

Opinions expressed in published letters do not imply endorsement by IPSSA.

Dear IPSSA,
I feel inclined to offer my thoughts regarding the third question and answer in the "Education Corner" in the September 2016 issue.

I know that there is some pool literature that suggests otherwise, but it is not true that a high pH causes cloudy water, eye and skin irritation, nor does it automatically cause Scale formation.

The pH of water can have a pH of 9.0 and not cause the above water conditions.

If the alkalinity and calcium levels are not also high, a pH of 9.0 does not cause cloudy water, nor cause scale formation.

It is the LSI that determines whether water is scale forming and would cause cloudy water, not the pH alone.

It is a fact that tap water in Northern California and San Francisco Bay Area has a pH of 9.0 with low alkalinity and calcium levels. That tap water is clear and does not irritate the eyes, and is LSI balanced.

Further, there is a study that has documented that there is no eye irritation up to a pH of 9.0. I have personally investigated this issue and confirmed it. (<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2130569/pdf/jhyg00081-0170.pdf>)

It concerns me that service techs are being given (incorrect) information that has no basis in fact, and is based on very old and outdated information.

Thank you for your consideration.

Kim Skinner
onBalance

Pleatco Perfect Pool Guy & Gal

Continued from page 3

extremely important when it comes to helping owners fully enjoy and appreciate their pools" adds Brian Van Bower, Genesis Ambassador and Co-founder. "Skip Phillips and I started our careers in pool service and it has always been near and dear to our hearts. We are proud to help honor our hard working service professionals through the Pleatco contest!"

"We also are fortunate to be the new co-sponsor of this wonderful contest. At NSPF we fully support initiatives that keep pools safer, keep pools open, and assure more people can enjoy the water. We recognize the crucial role every pool service technician plays, we are honored to celebrate them, and we are pleased to offer our new AST online course as a major prize for each and every finalist to nurture continued growth," says Thomas Lachocki, Ph.D., CEO of NSPF.

This year's Perfect Pool Guy and Perfect Pool Gal will each receive a trip for two to the International Pool, Spa, and Patio Expo hosted by New Orleans in November 2016. Most important, both winners may attend the Genesis Basic Pool Construction Course free of charge (\$5,000 value) held in New Orleans. This year the contest winners (and all finalists) will receive access to NSPF's AST Certification Course (\$1,100 value). Included is a high profile awards ceremony, gala dinner, nationwide advertising campaign and thousands of dollars of free Pleatco products.

"On behalf of Pleatco, Genesis and NSPF, we'd like to thank everyone who entered, nominated, and voted in our ninth annual 'Pleatco Perfect Pool Guy Contest'" remarked Mary Villegas, VP Operations Pleatco. "We have been truly overwhelmed by the sheer quality of the nominations and the

thousands of votes cast. The entries were extremely powerful and heartfelt across the board. And we look forward to a great awards presentation at this year's PSP Expo in New Orleans."

The official awards ceremony will be held Thursday November 3rd, at the Pleatco booth #2101 at 1pm. Everyone is welcome to attend and congratulate the winners in person.

NOV. 16

Las Vegas Pool Pro show



- Discover new products & techniques
- Learn from the experts in the Pool & Spa Industry
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Hey Ray!

Ray Arouesty is President of Arrow Insurance Service and IPSSA's endorsed insurance provider. He can be reached at (800) 833-3433 or ray@arrowinsuranceservice.com

This month's question comes from a member who attended my lecture at Pool Industry Expo in October:

Answers to recent questions asked to IPSSA's insurance broker

Question:

My customer's pool is a mess. A drain cover is missing, the light doesn't work and the gates are not properly closing. I have repeatedly told them that these items need to be fixed but they are ignoring me. I don't want to be involved in a lawsuit if there is an accident at this pool. Do you have any sug-

gestions on how to best drop this account?

Answer:

You can best protect yourself by sending the customer a letter including the last date you will be servicing this pool, along with the reason why you are dropping the account. You should list the items that need repair, along with the reason why the pool is unsafe in its current condition. You may also want to include an estimate for repair of these defective items.

I'd send this letter certified if the problems could result in significant property damage, injury or death. Keep a copy of this letter

as it could be your best defense if you're brought into a claim or lawsuit resulting from the dangerous condition.

IPSSA members eligible for 35% rebate on online education at www.ipssa.com

Through a partnership with the National Swimming Pool Foundation, IPSSA is pleased to offer online education through the IPSSA website. And, IPSSA members who complete classes through this online portal are eligible for 35% rebates!

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Once you have purchased your online training course, within one business day you will be emailed a link to the IPSSA training portal and an access code to activate your online class.

Prices for the classes range from \$19.95 to \$259, with most in the \$19.95 category. And, IPSSA members will be rebated 35% of their class fee upon completion.

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Anthony Lopiccolo, 15 years in the pool industry —
North OC IPSSA Member

"I have pools in my route that have been plastered by many different plastering companies. I could always count on a quality, consistent job when Alan Smith Pools was the contractor."
Jim Oliver — IPSSA Central Orange County Member

"It doesn't matter who plastered my customer's pool, if there is ever an issue with the plaster, I can make a quick call to Alan Smith Pools and they will come out and try to help me fix it. Great company and friendly people!"
Barton Ashworth, Ashworth Pool Care — Anaheim CA

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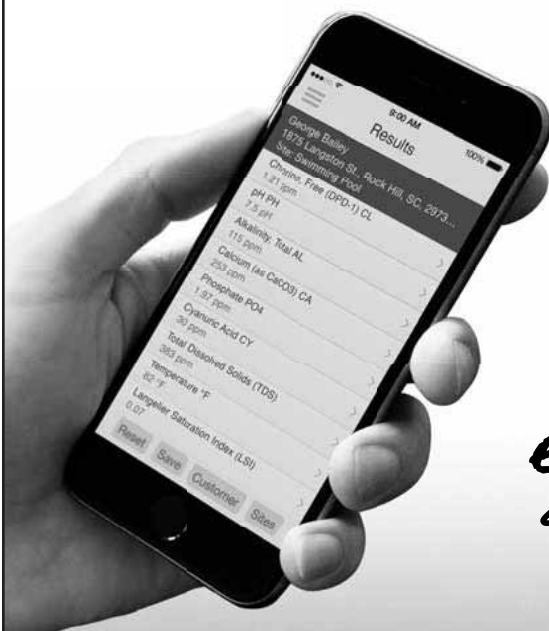
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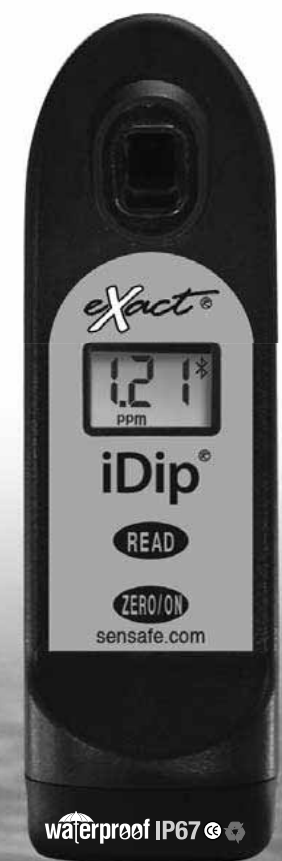
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Understanding ORP

Continued from page 4

controllers into the mainstream.

However despite the fact that controllers are now commonplace on commercial swimming pools, users do not often fully understand how ORP works. ORP is a qualitative measurement, not a quantitative measurement and is affected by many factors including the biggest variables in swimming pool water chemistry, pH, cyanuric acid and now salt.

Health departments require a specific range of chemical residuals which leads people to look at ORP and PPM charts to establish a chlorine residual that is acceptable to their local health authority. This situation confuses pool operators. Oftentimes, pool water is in compliance with PPM, pH and cyanuric acid yet have unacceptably low ORP in the water to effectively oxidize and sanitize the

water. Conversely, there are often pools and spas that are well below the required PPM levels but have exceptional water quality.

ORP & PPM (Oxidation-Reduction Potential & Parts Per Million)

The misunderstanding between ORP & PPM has been going on since ORP controllers have been used on swimming pools and spas. If properly understood, pools can be run very efficiently with an ORP controller. For many opera-

tors, water chemistry is a small part of their job and the health department wants water with a specific PPM range. Controller manufacturing companies have ventured into utilizing sensors that measure PPM or quantity of chlorine to help solve the problem.

Most controllers will measure the levels of sanitizer and pH in a body of water. The three MOST POPULAR measures of sanitizer available through chemical automation are ORP, Amperometric PPM, and Colormetric PPM. Understanding the basis of each measure can assist pool operators in managing their pools.

ORP—Oxidation-Reduction Potential. ORP is a measure of the oxidizing properties of any sanitizer present in the body of water. Most controllers will use a bypass system, taking a small sample of water out of the plumbing, and directing it to a small container

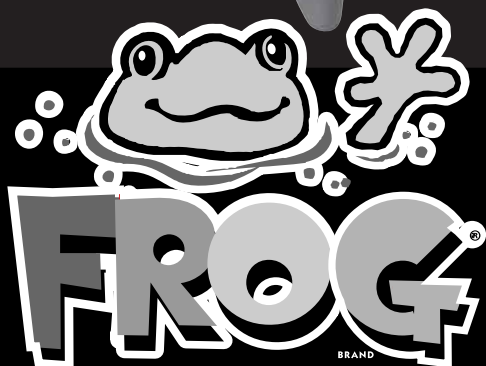
that houses the sensors. An ORP sensor contains two electrodes, generally a platinum electrode in contact with the water and a reference electrode inside an electrolyte chamber. The electrodes are separated from the electrolyte solution by a membrane. This membrane prevents the loss of the electrolyte solution, and prevents contaminants from entering the sensor. The sensor acts like a small battery. The output from the sensor is a voltage, typically expressed as milli-volts. ORP measures the water's ability to oxidize and is therefore dependent on pH when the primary sanitizer is Chlorine. Cyanuric acid levels can affect the readings taken by an ORP sensor. Salt systems can also affect ORP Sensors; often-special metals must be used for the electrodes in order to prevent build up on the sensor. ORP is probably the most common

Continued on page 14

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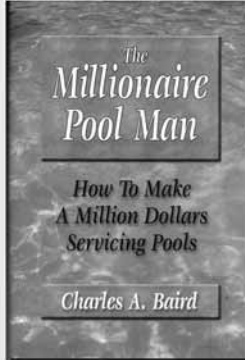
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Pool Chem Dose Calculator

The Pool Chem Dose Calculator will calculate the exact chemical dose needed for 38 chemicals in 11 categories for any size pool in US Imperial or Metric measures. To use it you enter the pool volume in gallons or liters, select US Imperial or Metric, select which Item to Change from the drop down list and then enter

the Desired Change in ppm or mg/l. Pool Chem Dose Calculator then lists all of the chemicals that can be used for that item change and the doses for each one. It only shows 3 or 4 chemicals on the screen. If there are more than that, you can scroll down the list.

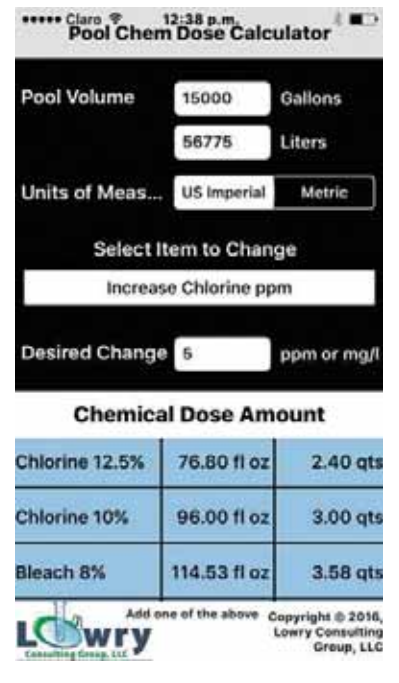
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want to use by chemical name. Use it while you are at a pool or in the field to find out how much chemical to add to make a correction or increase or decrease a condition.

Select from the following items:
 Increase Chlorine, 15 chemicals, Increase Bromine 2 chemicals, Increase Alkalinity 3 chemi-

als, Decrease Alkalinity 2 chemicals, Increase Hardness 2 chemicals, Increase CYA 2 chemicals, Increase Oxidizer 1 chemical, Decrease Chlorine 6 chemicals, Increase Salt 1 chemical, Increase Borate 3 chemicals, Increase Copper 1 chemical.

For example, if you want to increase chlorine by 3 ppm in your



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14,750 gallon pool, enter 14750, select US Imperial, select Increase Chlorine from the dropdown menu and enter 3.0 in ppm. Instantly see the amounts needed to get 3.0 ppm chlorine in that pool for 15 types of chlorine. Makes it easy to compare and see which might be cheaper to use or make a substitution.

You can also use the Pool Chem Dose Calculator to figure out the change to a water condition if you add an amount of chemical. For instance suppose you have a 15,000 gallon pool and you want to know how much the free chlorine will increase if you add a gallon of 10% liquid chlorine. No problem, just enter the pool volume, US or Metric, select Increase chlorine and then enter an amount for ppm. Keep changing the ppm up or down until the dose amount for Chlorine 10% gets near 128 fl oz or 4 qts.

Saves money because you get the exact dose for that pool – no more guessing. Have an emergency where too much chlorine was added and now you need to neutralize the chlorine in the pool? No problem, Just enter the Pool Volume, US or Metric, select Decrease Chlorine and enter the amount of chlorine you want neutralized and you get the amounts needed for 6 chlorine neutralizers. You will find this app invaluable.

Here are the links to the Pool Chemical Dose Calculator (cost \$5.99)

iPhone App.
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Pentair offers incentive program for IPSSA

By Steve Zorn

Steve Zorn is California regional sales manager for Pentair.

All of us at Pentair Aquatic Systems appreciate the support of the IPSSA membership. We are pleased to offer IPSSA a rebate incentive based on the individual product purchases of each member.

Pentair will reimburse IPSSA one dollar (\$1.00) for each whole good that a member purchases throughout the year. The listing of qualifying whole goods are the same that are listed in Pentair's PIP program, but basically pumps, filters, heaters, heat pumps, cleaners, automation systems, IntelliChlor and colored lights.

In order for IPSSA to receive payment each member must register individually on the Pentair-IPSSA Incentive Program Registration Form (available on the members-only page of www.ipssa.com). This will allow Pentair to monitor and collect electronically from participating distributors purchase details, or direct from the member purchases for the rebate accumulation.

If a member does not register, their purchases will not qualify and cannot be added later.

The Pentair Incentive Program dates reflect purchases made from October 1 thru September 30, 2017.

This program does not affect any member purchases that may also currently be individually enrolled in our PIP program.

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Dick Nichols, IPSSA's past

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Terry Snow promotes water safety at the IPSSA Westside Table Top.

Understanding ORP

Continued from page 8

method used by chemical controllers to measure sanitizer level, and the most inexpensive type of system to buy. However, understanding that the measurement is the water's ability to oxidize rather than the actual amount of sanitizer can be misleading for the novice. Some controllers calculate the actual Chlorine concentration based on the ORP, pH, and temperature measurements. The important thing to remember is that the ORP sensor doesn't measure anything specific; it will not differentiate between ozone and bromine.

Amperometric PPM—PPM measures the total amount of sanitizer in the system. Like ORP an Amperometric PPM measurement is taken by a sensor: consisting of copper and a platinum or gold element. These sensors are housed in a small chamber, usually located on a bypass from the main plumbing of the equipment set. A liquid sample is delivered to the annular space between the two fixed electrodes in the sensing cell. A small

amount of potential is applied to the working electrode, made of gold wire and the counter electrode, made of silver. An electrical current is generated by the reduction of HOCL and/ or OCL- at the gold electrode. Using a gold and silver electrode, the process consumes the electrons from the oxidation of the silver electrode, creating a small amount of electrical current. This charge is in direct linear proportion to the amount of residual chlorine present in the sample. This charge is sent from the sensors to the controller. The electrical voltage is measured, and converted to parts per million. The residual value is displayed on the digital indicator in mg/l (PPM).

PPM—is probably the easiest measurement for end users to understand. The system is easy to set up and maintain. As long as the pH and the flow are relatively stable, the Amperometric PPM measurement is accurate. The Amperometric sensor is also affected by

pH, Cyanuric acid, and salt systems, but the effect is less than on the ORP measurement because of the linear relationship of the sensor. Amperometric measurements also require flow to operate, when there is no flow the oxidizer is soon consumed by the measurement leaving none left to measure.

Selective Membrane PPM—provides direct readings of Free Chlorine in water. These are true readings of Free Chlorine and not indirect values derived from ORP. An advantage of the PPM sensor is that it's not affected by cyanuric acid (CYA) and MPS, thereby assuring constant readings of Free Chlorine et all times.

Colorimetric PPM—measures sanitizer level in parts per million, however it takes measurements in a very different way. The term Colorimetric is used to describe a system of measurement where reaction based chemical indicators are used to detect the presence of a specified chemical. The indicator reacts with the specified chemical and produces a visible color change in the solution. The stronger the color of the solution, the more compound is in the solution. DPD Test kits, an example of colorimetric measuring devices, are very familiar to those in the pool and spa industry. However, studies have shown that there can be significant differences in readings from these kits due to differences in color perception between individual users. However, when the eye that evaluates the test is automated, a DPD test becomes a very accurate measure. Essentially, a

Continued on page 15

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Understanding ORP

Continued from page 14

colormetric system is an automated hand check. The controller is programmed to test the chemical levels in the water at certain times or time intervals each day. When it is time to test, the controller sends a signal to the colormetric unit, which is separate from the controller. This signal starts the testing process. A test chamber is filled with water from the pool or

spa. A beam of light goes through the test chamber and is detected on the other side to establish a base for the reading. Reagents are added and mixed with the sample. The beam of light is again measured and the difference between the amount of light received in the base reading and the reading with reagents is the measure of the amount of sanitizer. Colormetric

systems are some of the most accurate automated sanitizer measuring systems available. They are also among the most expensive until recently, when we engineered a PPM/pH controller called the SmarterPool which sells in the same range as a low end ORP/pH controller. We also made a TrueDPD accessory which can be added to our other chemical controllers. The measurement is not affected by the presence of salt or cyanuric acid in

the water. As there are no electrodes to corrode or gather build up, they also work wonderfully on salt systems. Colormetric sensors also require flushing the sample to waste, this can amount to 2-3 gallons of water per day.

Primary Disinfection & pH Control

Primary disinfection using so-

dium hypochlorite, calcium hypochlorite, bromine, di-chlor, tri-chlor or chlorine generation (salt systems) has always been a part of the automation of commercial pools and spas. However controllers now go beyond primary disinfection and pH control offering solutions for secondary disinfection, as

Continued on page 16

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Eric Nielson, Joe Lukacik, and Ray Arouesty working the IPSSA booth at the PIE Show.

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Understanding ORP

Continued from page 15

recommended by the CDC's Model Aquatic Health Code (MAHC).

Secondary Disinfection support with controllers

More and more often the industry is now seeing the need for a secondary disinfection system as a backup to the primary system. Controllers now control, manage and support the use of backup sanitizing systems which is mandato-

ry for salt water pools.

Enzymes & Shock Treatments with controllers

Some controllers can also be set up to add enzymes and shock treatments automatically. This treatment can be scheduled at a time and date when no bathers are in the pool and starts automatically. Be aware though that non chlorine shock will cause a temporary increase in ORP and a false DPD reading.

Using a DPD Colometric Chlorine Measurement System a water test is automatically taken in a pre-programmed frequency as often as every 15 minutes. Reagents are automatically mixed with a sample of pool water and optically read to determine total chlorine, free chlorine and combined chlorine levels. A true PPM reading is then transmitted thru the controller to the internet based data management system. The colorimetric system is connected directly to the controller

providing a true PPM reading not subject to problems associated with PPM sensors.

Choosing the best controller for your aquatic facility

The type of measurement system selected for a chemical controller should take all of these factors into account. The cost of any controller is often a hurdle in the decision making process; ORP measurement will require the lowest investment but will not provide chlorine concentrations as accurately as a colometric system. The type of measurement system selected for a chemical controller should take all of these factors into account. The cost of any controller is often a hurdle in the decision making process; ORP measurement will require the lowest investment, but will not give as accurate chlorine concentrations compared with a colometric system. Colometric systems will require a higher initial investment, as

well as the ongoing operational costs of reagents. Cost often becomes the focus of a decision making process; however it is more important to focus on the needs of the facility, and to then balance those needs with any monetary limitations. Most controllers will justify the initial expense with the savings in labor and longevity of equipment and surfaces. The type of measurement chosen should reflect the other equipment on the pool. ORP measurements are the most susceptible to outside effects, and are therefore less accurate; cyanuric acid, salt, temperature, and pH levels all affect ORP measurements. Amperometric measurements have a small pH, temperature, and cyanuric effects, but are flow dependent. Colometric measurements are the least susceptible. ORP will tell you how much of your sanitizer is available for use. Amperometric and selective

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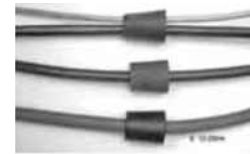
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Matching funds available from IPSSA Inc.

IPSSA Inc. has a matching grant fund of \$24,000 to assist individual regions and chapters for community involvement, safety programs, and promoting IPSSA to the public. The spirit of the matching grant is to foster IPSSA promotions by facilitating new ideas from individual members, chapters and regions.

The matching grant funds shall be allocated evenly by region in each given year. In the event that a region does not request funds in a given year, that region's representative may elect to reallocate their portion to the matching grant fund for redistribution. Any redis-

tribution of funds must be approved by the BORD.

The BORD will match, dollar for dollar, up to the budget amount once a matching grant is approved by the regional Board.

Each region shall determine how to use its allotment of funds without BORD approval once it

has been approved by the regional Board.

Individual members, chapters and regions of IPSSA in good standing qualify for matching grants.

• Matching grant requests must be submitted in writing to the regional director by December 1st

each year.

• The regional director shall qualify the request to meet the spirit of the matching grant program.

• The region must approve the grant by either a regional Board meeting, regional Board teleconference, or e-mail ballot, and the

results will be posted in the regional minutes.

• The regional director shall then request the funds from the IPSSA BORD president or chief financial officer without BORD approval, as long as the requested amount does not exceed the region's budgeted amount.



IPSSA
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Pentair offers incentive program for IPSSA

By Steve Zorn

Steve Zorn is California regional sales manager for Pentair.

All of us at Pentair Aquatic Systems appreciate the support of the IPSSA membership. We are pleased to offer IPSSA a rebate incentive based on the individual product purchases of each member.

Pentair will reimburse IPSSA one dollar (\$1.00) for each whole good that a member purchases throughout the year. The listing of qualifying whole goods are the same that are listed in Pentair's PIP program, but basically pumps, filters, heaters, heat pumps, cleaners, automation systems, Intelli-Chlor and colored lights.

In order for IPSSA to receive payment each member must register individually on the Pentair-IPSSA Incentive Program Registration Form (shown below and available on the members-only page of www.ipssa.com). This will allow Pentair to monitor and collect electronically from participating distributors purchase details, or direct from the member purchases for the rebate accumulation.

If a member does not register, their purchases will not qualify and cannot be added later.

The Pentair Incentive Program dates reflect purchases made from October 1 thru Sept-

ember 30, 2016.

This program does not affect any member purchases that may also currently be individually enrolled in our PIP program.

If dealers have any questions regarding the program, please have them dial 800-693-0171 and speak with their Program Coordinator.

Dick Nichols, IPSSA's past Region 10 director, commented, "This partnership is a perfect match between the largest swimming pool service organization and the largest manufacturer of pool products. The funds generated will be used for IPSSA's continuing education and research programs."

Understanding ORP

Continued from page 16

membrane sensor measurements tell you how much sanitizer is in the water. A controller that measures both can help a pool operator to identify and solve issues when combined chlorine is present in the water. ORP, selective membrane and Amperometric PPM both use electrochemical detection, which offers several advantages simple instrumentation, ease of use, low cost and low power requirements. Colormetric units will use more water in their testing, and require minimal power.

Conclusion: Every commercial swimming pool and spa should have chemical automation for maximum comfort, safety and longevity of the surfaces and equipment. Utilizing ORP controllers is the most cost effective solution as long as the operator understands how ORP works, the swimming pool is indoors or the outdoor pool is using no more than 30 PPM cyanuric acid

and it is understood that actual chlorine PPM levels will fluctuate when there is ORP control due to the variables affecting ORP.

Ideally, a facility will have ORP & PPM control which will help ensure that the PPM levels required by local health authorities will remain constant, while also measuring the true water quality.

ControlOMatic has not only pioneered low cost DPD by developing the SmarterPool PPM/pH controller, it has also made the TrueDPD accessory that will plug into it's existing controllers and give real time PPM & ORP control. Due to our many years of industry experience, we have also included advanced features to our ORP programming which helps deal with cyanuric acid's effect on chlorine to help maintain more consistent chlorine PPM levels in outdoor swimming pools.

2016 IPSSA National Rebate Program



Please complete the information below to enroll in the IPSSA National Rebate. Missing information will delay enrollment and/or payment.

Member Information:

Member Company Name:	
Owners:	
Other Contacts & Titles:	
Email:	
Website:	
Business Phone Number(s):	
Cell Phone (name of contact):	
Fax Number:	
Mailing Address :	Residential <input type="checkbox"/> Yes <input type="checkbox"/> No
Shipping Address:	Residential <input type="checkbox"/> Yes <input type="checkbox"/> No
IPSSA Chapter Name	
City, State	
Chapter President	

Type of Pools:	Brand:
<input type="checkbox"/> Inground <input type="checkbox"/> Aboveground	<input type="checkbox"/> Pentair Pool Products <input type="checkbox"/> Sta-rite

Type of Business:
<input type="checkbox"/> Builder <input type="checkbox"/> Retailer <input type="checkbox"/> Service <input type="checkbox"/> Refinisher <input type="checkbox"/> Other _____

Pool Materials Used:
 What type of materials do you use? Commercial Gunite Fiberglass Vinyl Liner

I purchase from the following Distributors:	Rebate Rules
Name: _____ Acct #: _____	<ul style="list-style-type: none"> Pentair will reimburse IPSSA National one dollar (\$1.00) for each whole good that a member purchases throughout the year. The listing of qualifying whole goods are the same that are listed in Pentair's PIP program, but basically pumps, filters, heaters, heat pumps, cleaners, automation systems, Intellichlor and colored lights. The maximum total payout to IPSSA will be \$20,000 per year on an annualized basis for all its members participating. To enroll in this IPSSA National rebate and ensure the education fund receives credit for your purchases, please fax this enrollment to 866-741-4051/ATTENTION: IPSSA REBATE. Once we receive your form, you will be enrolled in the IPSSA National Rebate Program. If you have any questions regarding this rebate, please call the Marketing Team at 800-693-0171 or email to rewards@pentair.com Each member must register individually on the Pentair- IPSSA Incentive Rebate Registration Form. This will allow us to electronically collect and monitor member purchases for the rebate accumulation. If a member does not register, their purchases will not qualify and cannot be added later. Should the National rebate be in effect going forward, the participants will be rolled over into the next year. Purchases must be made between the dates of October 1st thru Sept 30th during each rebate year.
Name: _____ Acct #: _____	
Name: _____ Acct #: _____	
Name: _____ Acct #: _____	

Member Signature _____ Date _____

California Capitol Report

Continued from page 1

of opposition and contacting members of the Association to attend and speak against it. The council ended up voting against the measure 4 to 1, and it seemed that the issue was closed. However just last week the Association received a notice that the exact same measure was going to be heard by the city council again, despite the fact that it had been previously reject. Once again the CPSA responded with letters of opposition and organizing our members to attend, and it will be seen whether the city council contradicts their own judgement to enact this ban.

These are the sorts of issues that the CPSA must monitor on a daily basis to ensure that the pool and spa industry is not unfairly targeted by agencies scrambling to find easy solutions to their drought problems. Much of this work is only possible through the support of our members, especially those who alert us to restrictions in their local areas and who attend city council and water board meetings to speak on behalf of the entire industry. The pool and spa business as a whole must work together and remain vigilant so it is not left behind in this rapidly changing water landscape that has such a great impact on California and its future.

If you would like to know more about California's changing water landscape and what the pool industry can do to be a part of it, please make sure to attend the CPSA's first ever Pool and Spa Day at the Capitol on March 28th, 2017. This first of its kind event will feature an expo of exciting new pool and spa technologies on the lawn of the California Capitol, offering pool and spa professionals to demonstrate what they are doing to move the industry forward and meet their legislators and regulators. The afternoon will include a series of panels on topics relevant to the industry, including one on California's water future, and will host a variety of experts to discuss important topics and answer questions. Anyone interested in attending or looking for more information should contact Brittany Trudeau at brittany@thecpsa.org.

IPSSA CHAPTER LISTINGS

For Association information: call Amy Nijjar, (888) 360-9505 / • (888) 368-0432 FAX / 10842 Noel Street #107, Los Alamitos CA 90720, E-mail: anijjar@ipssa.com
For billing or Membership information: call Melody Bond at (888) 391-6012, FAX (888) 391-6203, e-mail melody@cramercpa.com or P.O. Box 1617, Rocklin, CA 95677
 Chapter treasurers contact: ipssafinancial@cramercpa.com

For insurance information: call Arrow Insurance (800) 833-3433 / Fax (805) 870-7625 / 2393 Townsgate Rd., Suite 101, Westlake Village, CA 91361, E-mail: ray@arrowinsuranceservice.com

REGION 1 (NORTHERN CALIFORNIA)
B.O.R.D. Member: Brian Duncan
 (925) 370-6675
 E-mail: brian@pppsinc.com

CAPITAL VALLEY: (Sacramento): First Wed., 7 p.m.
 VFW, 8990 Kruithof Way, Fair Oaks
 Pres. Scott Houseman (916) 638-4100
 scott@leisuretimepool.com

DELTA: (Stockton)
 Third Wed., 6:00 p.m., The Elks Lodge
 19071 N Lower Sacramento Road, Woodbridge
 Pres. Rick Plath (209) 456-1605
 service@rickspoolservice.com

EAST BAY
 Third Tues., 6 p.m., Pleasant Hill Community Center,
 320 Civic Drive, Pleasant Hill
 Pres. David Luthy (510) 435-5252
 townandcountrypool@comcast.net

EAST CONTRA COSTA
 Fourth Tues., 6:00 p.m., La Fuente Mexican Restaurant,
 642 1st Street, Brentwood
 Pres. Dale Vaughn (925) 759-3819
 dalevaughn176@comcast.net

EL DORADO
 Second Thurs., 6:30 p.m., Shingle Springs Comm. Ctr.
 4440 S. Shingle Road, Shingle Springs
 Pres. Shawn Panico (916) 201-6245 / www.edipssa.com

ELK GROVE
 Second Wednesday, 7:00 p.m., Logan's Roadhouse,
 9105 W. Stockton Boulevard, Elk Grove
 Pres. Jerry Marquardson (209) 747-4953
 jerryspoolservice@yahoo.com

GOLD COUNTRY
 First Mon., 6:00 p.m., Max's Restaurant
 110 Grass Valley Hwy, Auburn
 Pres. Allan Leas (530) 887-8074
 al@townepools.com

MODESTO CENTRAL VALLEY:
 Third Tues., 6 p.m.
 Perkos Restaurant, Kiernand Road & 99, Salida
 Pres. Mike Imelio (209) 581-3294

SACRAMENTO CITY
 Fourth Wed., 7:00 p.m., Plaza Hofbrau
 2500 Watt Ave., Sacramento
 Pres. Nathan Williams (916) 213-6889

TRACY: Fourth Thurs., 6 p.m.,
 Perko's Café, 1321 W. 11th Street, Tracy 95376
 Pres. Kevin McLard (209) 833-9200
 kevin_m@klmpools.com

WEST PLACER
 First Thurs., 5:30 p.m., Strikes Bowling Alley
 5681 Lonetree Blvd., Rocklin CA 95765
 Pres. Kim Silva (916) 955-2990

REGION 2 (CENTRAL CALIFORNIA)
B.O.R.D. Member: Manuel Margain
 (559) 307-1072
 E-mail: manuelmargain@comcast.net

BAKERSFIELD: First Tues., 5:30 p.m.,
 Rusty's Pizza, 6675 Ming Ave, Bakersfield
 Pres. Beau Braisher (661) 332-4952
 braisherpools@gmail.com

CENTRAL COAST
 Second Wed., 7 p.m., Mtgs alternate between
 N/S Co., Contact chapter Pres. for info.
 Pres. Tom Mazzo (805)550-6709
 tmazzopoolguru@yahoo.com

CONEJO: Second Wed., 7:30 p.m., Alpha Water
 Systems, 725 Cochran Street #A, Simi Valley
 Pres. Dennis Van Sloten, (805)813-6154
 dvs10@live.com

CONEJO VALLEY
 Second Wed., 6:30 p.m., Superior Pool Products
 1200 Lawrence Drive #400, Newbury Park
 Pres. Michael Flanagan (805) 444-7960

FRESNO: Fourth Tues., 7 p.m.
 Roundtable Pizza at First & Bullard, Fresno
 Pres. Norm Carpenter, (559) 217-1228
 ipssafresno@gmail.com

SANTA BARBARA
 Second Mon., 6:30 p.m., Rusty's Pizza Parlor
 232 W. Carrillo, Santa Barbara (downtown)
 Pres. Joe Burich (805) 451-1963
 mericks2001@yahoo.com

VENTURA: Third Tues., 7 p.m.
 Poinsettia Pavilion, 3451 Foothill Rd, Ventura
 Pres. Max O'Brien (805) 794-6270
 gotomax@att.net

VISALIA: Third Wed., 6 p.m.
 Amigo's Cantina, 5113 W. Walnut Ave., Visalia
 Pres. Roman Gomez (559) 992-5779
 romangomez1251@yahoo.com

REGION 3 (NORTH L.A. COUNTY)
B.O.R.D. Member: Terry Snow
 (909) 982-9962
 E-mail: tls.pools@verizon.net

ANTELOPE VALLEY: Second Monday, 6 p.m.
 SCP Antelope Valley, 4514 Runway Dr., Lancaster
 Pres. Steven Polovina (661) 236-6095
 spgotj85@yahoo.com

DIAMOND BAR
 First Thurs., 7:30 p.m., Oak Tree Lanes, Diamond Bar
 Pres. Robert Nichols (626) 914-4813

FOOTHILL
 Third Thurs., 7:00 p.m., American Legion Hall
 La Crescenta at Manhattan, La Crescenta
 Pres. Raul Fernandez (818) 378-9231

SAN FERNANDO VALLEY
 Third Wed., 7:30 p.m., Canoga Bowl
 20122 Vanowen, Canoga Park
 Pres. Blaine Enbody (805) 529-7562

SAN FERNANDO VALLEY METRO
 First Tues., 7 p.m., Canoga Bowl
 20122 Vanowen, Canoga Park
 Web site: www.sfvmetro.com
 Pres. Eric Nielson (818) 710-1628
 willowcreekpools@gmail.com

SAN GABRIEL VALLEY
 Second Thurs., 7:00 p.m.
 PEP, 1862 Business Center Dr., Duarte, CA 91010
 Pres. Brian Nies (626) 536-2008
 brian@propoolm.com

SANTA CLARITA VALLEY
 First Thurs., 7:00 p.m.
 Vincenzo's Pizza, 24504 1/2 Lyons Avenue, Newhall
 Pres. Kent Simpson (661) 373-9901

REGION 4 (SOUTH L.A. COUNTY)
B.O.R.D. Member: Jason Briggs
 (310) 370-2144
 E-mail: jason@paradisepools.biz

CENTRAL LOS ANGELES
 Second Mon., 6:30 p.m., Han Woo Ri Presbyterian
 Church, 1932 S. 10th Ave, Los Angeles
 Pres. Se Hwan Kim (323) 733-8712

EAST LONG BEACH
 Second Tues., 6:30 p.m., Ecco's Pizza,
 2123 N. Bellflower Blvd, Long Beach
 Pres. Bill Rothwell (562) 425-8249
 poolboy1950@yahoo.com

SOUTH BAY
 Second Wed., 7 p.m., American Legion Hall
 412 S. Camino Real, Redondo Beach
 Pres. Brad Jones, (310) 880-7665
 aaapools@verizon.net

WESTSIDE
 Second Tues., 6:30 p.m., American Legion Hall
 5309 S. Sepulveda, Culver City
 Pres. Jeff Von Dwingelo (310) 749-1853
 waterdogpoolservice@msn.com

WHITTIER: First Wed., 7 p.m.
 Superior Pool Products in Santa Fe Springs
 Pres. Tom Horning, (562) 458-2881
 tomspoolcare@roadrunner.com

REGION 5 (ORANGE COUNTY)
B.O.R.D. Member: Michael Kei Black
 (714) 891-0351
 E-mail: mblackels@netzero.com

ANAHEIM
 Third Wed., 6:30 p.m.
 Roundtable Pizza, 12829 Harbor Blvd., Garden Grove
 Pres. Cal Pratt (949) 230-7462

CENTRAL ORANGE COUNTY
 Last Tues., 7 p.m., Coco's, 14971 Holt Ave., Tustin
 Pres. Mark Harrison (949) 874-8234
 maharrison16@yahoo.com

DANA POINT
 Second Tues., 6 p.m.,
 Coco's, Crown Valley and I-5
 Pres. Brian Bottrell, (949) 697-8544
 vambrian@gmail.com

MISSION VIEJO
 First Tues., 6 p.m.
 Claim Jumper, 27845 Santa Margarita Pkwy
 Pres. Mark Byrne, (949) 690-6381
 eternitypool@gmail.com

NORTH ORANGE COUNTY
 Second Wed., 7 p.m., Graziano's Italian Restaurant,
 17487 Imperial Highway, Yorba Linda
 Pres. Rick Reyes (714) 635-5459
 rickmreyes50@yahoo.com

ORANGE COAST
 Last Monday, 5 p.m., Carrow's Restaurant
 Warner & Magnolia, Huntington Beach
 Pres. Tom Honrath (714) 848-3580
 thonrath@hotmail.com

ORANGE COUNTY #9
 Second Wed., 7 p.m., Dad Miller Golf Course
 North Gilbert Street, Anaheim
 Pres. Rob Tobias (714) 812-7993

ORANGE COUNTY POOL PROFESSIONALS
 Last Mon., 6:00 p.m., Claim Jumper Banquet Room,
 18050 Brookhurst St., Fountain Valley CA 92708
 Pres. Jim Romanowski (714) 404-2550
 poolperfection1@aol.com

SADDLEBACK VALLEY
 Last Tues., 6 p.m., Lone Star Steakhouse,
 24231 Avenida de la Carlotta, Laguna Hills
 Pres. Scott Kather (714) 742-9597

SOUTHWEST
 First Wed., 6 p.m., ABC Pools
 10560 Los Alamitos Blvd., Los Alamitos
 Pres. Ken Tipton (562) 430-8515

SURF CITY
 Third Tues., 6:30 p.m., Superior Pool Products,
 10865 Kalamia River, Fountain Valley
 Pres. Frank Malavar (714) 960-3558

TUSTIN/IRVINE
 Second Tues., 6:00 p.m., PSOC Waterline Technologies,
 220 N. Santiago Street, Santa Ana
 Pres. Rich Foley (714) 974-1514

YORBA LINDA
 First Wed., 6:45 p.m., Lampost Pizza,
 21480 Yorba Linda Blvd. #D, Yorba Linda CA
 (call president to confirm mtg time).
 Pres. Jaime Aranda, (714) 746-5138
 jaimearanda@sbcglobal.net

REGION 6 (INLAND EMPIRE)
B.O.R.D. Member: Scott Peterson
 (951) 699-8407
 E-mail: ipssascott@yahoo.com

CORONA: Second Tues., 7:00 p.m., Marie Callenders
 160 E. Rincon St. (at Main St.), Corona
 Pres. Dave Berg (909) 674-1556 / djpoolguy@msn.com

HEMET: Third Wed., 6:00 p.m.
 Shooters, 121 E. Florida Ave, Hemet
 Pres. John Bettencourt (951) 925-2442
 bettencourt@msn.com

MENIFEE VALLEY
 First Wed., 7 p.m. at My Buddies Pizza
 2503 E. Lakeshore Drive #A, Lake Elsinore
 Pres. Renee Marier, (951) 285-9672
 mangopoolnsa@verizon.net

ONTARIO/ RANCHO CUCAMONGA
 Second Tues., 7 p.m., Carrows Restaurant
 11669 Foothill Blvd., Rancho Cucamonga
 Pres. Ron Goodwin (909) 989-0406
 good2win@msn.com

PALM DESERT
 Third Thurs., 6 p.m./7 p.m., please check with pres.
 Sloan's, 81539 US Hwy 111, Indio CA
 Pres. Matt Kauber (760) 702-0160
 salernopools@yahoo.com

PALM SPRINGS
 First Wed., 6:30 p.m.
 Superior, 5700 Indian Springs Rd, Palm Springs
 Pres. James Elliott (760) 413-0463

REDLANDS: Second Tues., 6 p.m.
 Hickory Ranch, 32971 Yucaipa Blvd., Yucaipa
 Pres. Bill Brooks (909) 553-5780

RIVERSIDE:
 First Tues., 6:00 p.m., Cask N Clever,
 1333 University Ave., Riverside
 Pres. Scott Zahn, (951) 966-0592
 libertypoolservice@hotmail.com

TEMECULA/MURRIETA
 Third Wed., 7 p.m., Pat & Oscar's
 29375 Rancho California Rd., Temecula
 Pres. Jack Delaney (951) 674-6318

REGION 7 (SAN DIEGO COUNTY)
B.O.R.D. Member: Joe Lukacik
 (619) 561-8587
 E-mail: joe.sunpools@yahoo.com

CARLSBAD: Third Wed., 7 p.m.
 El Rancho Restaurant, 1565 N. Santa Fe, Vista
 Pres. David Talbot (760) 845-6863

ESCONDIDO
 Third Wed., 6:30 p.m., Call for location.
 Pres. James Leisten (760) 737-3058
 jim@blueribbonps.com

NORTH COUNTY COASTAL
 Third Tues., 6:30 p.m.
 Brett's BBQ, 1505 Encinitas Blvd., Encinitas
 Pres. Jordan Nelson (760) 753-4996
 jordan1111@gmail.com

RANCHO DEL MAR
 Third Mon., 5:30 p.m., Tio Leos
 3510 Valley Centre Drive, San Diego
 Pres. Joshua McKee (858) 337-4482
 josh@makaipools.com

SAN DIEGO
 Third Wed., 7 p.m., Mission Valley Resort
 875 Hotel Circle S., Mission Valley
 Pres. Michael Harris (619) 395-6700
 barrowpoolssd@gmail.com

SAN DIEGO EAST COUNTY
 Third Tues., 6 p.m.,
 Superior Pool Products, 1973 Friendship Dr., El Cajon
 Pres. Berny Sweeney (619) 244-0496
 bernypoker@hotmail.com

SAN DIEGO METRO
 Fourth Thurs., 7:00 p.m.
 Coco's, 1025 Fletcher Parkway, El Cajon
 Pres. Mike McCourtney (760) 788-0823
 sunrisepools1@hotmail.com

REGION 8 (SOUTHWEST)
B.O.R.D. Member: Marc Cannon
 (602) 432-3371
 E-mail: rescueh2o@comcast.net

EAST VALLEY
 Third Thurs., 5:45 p.m., Superior Pool Products
 2350 W. Broadway Rd. #110, Mesa
 Pres. Mike Lee (480) 786-0687

HENDERSON:
 First Wed., 7 p.m., Village Pub-Horizon Ridge
 10900 S Eastern Ave, Henderson NV
 Pres. Forrest Owen (702) 372-7200, poolboys@cox.net

IPSSA VIPS
 Third Wed., 7:00 p.m.
 Elk's Lodge #335, 14424 No. 32nd St., Phoenix
 Pres. Joe Mischik (602) 290-5547

NORTH PHOENIX
 Third Tues., 7 p.m., SCP
 18201 N. 25th Avenue, Phoenix AZ 85023
 Pres. William Goossen (623) 580-9802
 goosse-man@cox.net

NORTHWEST LAS VEGAS
 First Thursday, 7:00 pm
 Joey's Bar & Grill, 7081 W. Craig Road, Las Vegas
 Pres. Robert Fazio, (702) 591-1624

SCOTTSDALE
 Third Mon., 6:00 p.m., NPS Pool and Spa Supply,
 4718 E. Thunderbird Rd, Phoenix
 Pres. Kurt Schuster (602) 488-7335

TUCSON:
 Third Wed., 7 p.m.
 Superior Pool Products, 4055 N. Runway Drive.
 Ken Sanders (520) 429-6959

WEST VALLEY
 First Wed., 7:00 p.m., Cloud Supply
 1100 N. Eliseo Felix Way, Avondale
 Pres. Patrick Pace (623) 853-6859

WESTERN LAS VEGAS
 First Mon., 6:30 p.m. (excl. holidays)
 Vietnam Vets Hall, 6424 W. Cheyenne, Las Vegas
 Pres. Linda Cross 702-524-8453
 ipssalindacross@gmail.com

REGION 9 (TEXAS)
B.O.R.D. Member: Becky Clayton
 (210) 240-3121
 E-mail: becky.clayton@yahoo.com

AUSTIN
 First Tues., 6 p.m., Cherry Creek Catfish Co.
 5712 Manchaca Rd, Austin
 Pres. Todd Swearingen (512) 326-4695

CLEARLAKE
 Fourth Tues., 7:00 p.m.,
 Rudy's BBQ, 21361 Gulf Fwy, Webster
 Pres. Jim Jacobsmeyer (281) 787-6116

CORPUS CHRISTI
 First Thurs., 6:30 p.m., Schlitterbahn Upper Padre
 14353 Commodores Drive, Corpus Christi
 Pres. Michael Baker (361) 563-7655

HOUSTON: Second Tues., 7 p.m.
 IHop, 11225 Katy Freeway, Houston
 Pres. Bryan Norris (713) 234-7649
 bryan@norrispools.com

NORTH AUSTIN
 Second Tues., 6 p.m., Cedar Park Library
 550 Discovery Blvd.,
 Pres. Rick Beaubouef (512) 466-9672

NORTH HOUSTON: Third Tues., 7 p.m., IHop
 25619 Interstate 45, Spring
 Pres. David Harling (281) 256-7886
 bigstatepools@sbcglobal.net

SAN ANTONIO
 First Mon., 6:30 p.m.
 Palenque Grill, 389 North Loop 1604 W, San Antonio
 Pres. Flash Rose (210) 241-7548
 flashpoolservice@sbcglobal.net

WEST HOUSTON: First Mon., 7 p.m.
 Texas Land & Cattle, 12313 Katy Fwy, Houston
 Pres. Earl Jones (832) 573-8279
 earl@texaspooltechs.com

REGION 10 (BAY AREA SOUTH)
B.O.R.D. Member: John Oldfield
 (888) 641-8047
 E-mail: joldfield@oldfieldinc.com

FREMONT: Second Mon., 6 p.m.,
 El Patio Restaurant, 37311 Fremont Blvd., Fremont
 Pres. Michael Murphy (510) 579-1448

MID-PENINSULA
 Last Tues., 7 p.m., Highland Community Club
 1665 Fernside Ave., Redwood City
 Pres. Jerry Lindley (650) 454-7252

MONTEREY COAST: Fourth Wed., 7:00 p.m.,
 Holiday Inn Express, 1855 Main Street, Watsonville
 Pres. Bob Blade, (831) 647-8680
 alohapoolbob@sbcglobal.net

REDWOOD EMPIRE (Marin Co.)
 Third Wed., 7 p.m., Lucchesi Park, Petaluma Park,
 320 N. McDowell Blvd., Petaluma
 Pres. Darrell O'Neal (707) 544-3060
 dandmpool@aol.com

SANTA CLARA VALLEY
 Third Thurs., 7:30 p.m., Napredak Hall
 770 Montague Expressway, San Jose
 Pres. Joe McVeigh (408) 249-9731
 josplash@sbcglobal.net

SILICON VALLEY: First Wed., 6 p.m.
 Armadillo Willy's, 1031 N. San Antonio Road, Los Altos
 Pres. David Guslani (650) 333-1351
 dguslani@earthlink.net

TRI-VALLEY:
 Second Thurs., 6 p.m.,
 Meeting locations vary. Check with chapter president.
 Pres. Stan Phillips (925) 518-1718
 stan@aquacps.com

REGION 11 (FLORIDA/GEORGIA)
B.O.R.D. Member: Derric Raymond
 (407) 908-4555
 E-mail: derric@raymondscustompools.com

GOLD COAST (Ft. Lauderdale area)
 Second Tues., 6:30 p.m., Wings Plus,
 9880 W. Sample Rd, Coral Springs
 Pres. Anna Labosky (954) 224-7733
 www.ipssagoldcoast.com;

MANASOTA (Bradenton/Sarasota)
 First Mon., 7:00 p.m., Call for meeting
 location and directions
 Pres. Todd Starnier (941) 915-2135
 tstarnier@tampabay.rr.com

NORTH GEORGIA
 Pres. Benjamin Decker (404) 405-0197
 ben@classicpools.com

OSCEOLA (Kissimmee/Orlando)
 Second Wed., 6:30 p.m.
 Fat Boy's Restaurant, 2512 13th Street, St. Cloud
 Pres. Diane Fowler (407) 460-6680
 poolady2001@gmail.com

PORT CHARLOTTE: Fourth Monday, 6:30 p.m.,
 Buffalo Wings & Rings, 1081 W. Price Blvd. North Port
 Pres. Ray Kurilivicius, (941) 743-2010
 ray@dartpoolsolutions.com

SARASOTA: First Tues., 6:30 pm
 Gecko's Grill & Pub, 351 N. Cattleman Road, Sarasota
 Pres. Andy Homner (941) 330-5757
 andy@clearwavepoolcare.com

TREASURE COAST
 Fourth Tues., 7:00 pm
 Duffy's Sports Bar, 6431 SE Federal Hwy, Stuart
 Pres. Allen Schroeder (772) 215-1884

REGION 12
B.O.R.D. Member: Jason Lehmann
 (817) 605-0194
 E-mail: waterconnection@att.net

DALLAS: Fourth Tues., 5:30 p.m., Tony's Diner
 3112 N. Jupiter Rd #307 Garland TX
 Pres. Eustaquio Portillo (214) 325-6746

FORT WORTH
 Third Tues., 6:30 p.m., La Playa Maya Restaurant
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 Pres. Tina Slagle (817) 991-0555

MID CITIES DFW: First Mon., 7:00 p.m.,
 SCP, 2107 Hutton Drive, Carrollton TX 75006
 Pres. Casey Gardner (469)835-5674

TARRANT COUNTY
 First Tues. 7 p.m., El Chico's Café
 7621 Baker Blvd., Richland Hills
 Pres. Will Ainsworth (817) 987-8580

WAXAHACHIE
 Second Wed., 7 a.m., Denny's,
 408 Westchase Drive, Grand Prairie
 Pres. Tom Sheehy (214) 395-0143 / tsheehy@prodigy.net

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For more information about our associate members, please visit their web sites. If company representatives are available to speak at chapter meetings, their topics and geographic availability is indicated.

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