



November 2019 | HEADLINES

CONTACT US

- » [IAPMO Codes Mobile App Now Available for Download](#)
- » [IAPMO Seeks UMC Legionella Task Group Members](#)
- » [IAPMO-Backed Report Spotlights Staggering Reality: More Than 2 Million Americans Live Without Access to Running Water, Sanitation](#)
- » [IAPMO Makes New Tentative Interim Amendment \(TIA\) Available for Public Comment](#)
- » [IWSH Solidifies Plans for Next Community Plumbing Challenge Program at Indonesian Industry Event](#)
- » [IAPMO Roundtable Galvanizes Indonesian Industry Around Critical Development Issues](#)
- » [IAPMO Solicits Public Comments for 2021 Uniform Solar, Hydronics and Geothermal, Swimming Pool, Spa and Hot Tub Codes](#)
- » [IAPMO Indonesia Completes Enterprising Sustainability Summit](#)
- » [AHR Expo announces the 2020 Education Program](#)
- » [Construction Starts to Slip Back in 2020 According to Dodge Data & Analytics](#)
- » [Record Number of Legionnaires' Cases In 2018 Risk Lives, Cause Cleanup Headaches](#)
- » [IAPMO Training and Education Schedule](#)

International Association
of Plumbing and Mechanical
Officials

4755 E. Philadelphia St.
Ontario, CA 91761 USA
Phone: 1-909-472-4100

Fax: 909-472-4150

E-mail: iapmo@iapmo.org
Website: www.iapmo.org

IAPMO's Codes & Services
Department toll-free phone number:
1-800-85-IAPMO
1(800-854-2766)
Publications - ext 1
Education/Seminars - ext 2
Inspector & Contractor
Certification - ext 3
Code Development
Questions - ext 4
Code Questions - ext 5
Membership - ext 6

Follow IAPMO:



OFFICIAL MAGAZINE



NOW AVAILABLE ONLINE!
A subscription to Official is just one

IAPMO Codes Mobile App Now Available for Download

The IAPMO Codes app is now available for download, giving users constant access to their purchased code books on their mobile devices even when they are offline. The free IAPMO Codes app also serves as a vehicle to contact the technical staff about any code questions, apply for technical committees or request information about the code development process.

Those who have already purchased an electronic version of the 2015 or 2018 codes will automatically be able to view their purchased codes on the app by with their login information. Create a free account to receive automatic notifications on the codes development process, committee meetings, and to be engaged in the development process.

The IAPMO Codes app is available in both the iOS and Google Play app stores.

Users are able to make annotations and recordings, view the current code development timeline and stay informed by receiving automatic notifications for breaking news, upcoming committee meetings, proposal submission deadlines, and much more.

The codes now available for purchase and use in the app include:

- 2015 and 2018 *Uniform Plumbing Code (UPC)*
- 2015 and 2018 *Uniform Mechanical Code (UMC)*
- 2018 *National Standards Illustrated Plumbing Code (NSPC)*
- 2015 *Uniform Solar Energy and Hydronics Code (USEHC)*
- 2018 *Uniform Solar, Hydronics and Geothermal Code (USHGC)*
- 2017 *Water Efficiency and Sanitation Standard (WE•Stand)*
- 2015 and 2018 *Uniform Swimming Pool, Spa and Hot Tub Code (USPSHTC)*

The 2021 *UPC* and *UMC* will become available on the app once they are published early next year.

"The Codes app will provide jurisdictions everywhere an additional tool to use in the field," said Hugo Aguilar, IAPMO's Vice President of Codes & Standards Development. "This added service benefits inspectors, contractors, installers and homeowners, as they will be getting direct access to the IAPMO technical team for any code questions and be engaged in the code development process. The app will allow users to view their purchased codes in offline mode while traveling in an airplane or in rural areas with poor internet connection. The IAPMO Codes app will fill the gap between the industry and codes development so that together we can improve the lives of many while preserving the health and welfare of everyone."

For more information, please contact Alma Ramos at (909) 230-5528.

[<Return to top>](#)

IAPMO Seeks UMC Legionella Task Group Members

IAPMO is accepting applications and seeking technical experts to participate on a task group relating to Legionella for mechanical systems.

The scope of the Legionella Task Group is to develop recommendations and guidance to assist in the control and intervention of Legionella associated with mechanical systems and equipment, determine the methods available to address Legionella exposure risk to public health and safety, and explore related issues such as water temperature, dead legs, sampling, and maintenance procedures for mechanical systems including, but not limited to: cooling towers, ice machines, humidifiers, direct evaporative air coolers, hydronic heating and cooling systems. The task group recommendations will be forwarded to the *Uniform Mechanical Code (UMC)* Technical Committee for consideration in the development of the 2024 edition of the *UMC*.

Task group members will participate via conference call or web meeting, provide their perspective on the code, and assist in drafting recommendations for action by the *UMC* Technical Committee's consideration. Applicants are not required to be members of the *UMC* Technical Committee.

Those interested in participating on the Legionella Task Group can apply [here](#).

The deadline to apply is Dec. 6.

[<Return to top>](#)

IAPMO-Backed Report Spotlights Staggering Reality: More Than 2 Million Americans Live Without Access to Running Water, Sanitation

A new report, produced by DigDeep and the US Water Alliance with advisory assistance from IAPMO, titled "Closing the Water Access Gap in the United States: A National Action Plan," reveals that more than 2 million Americans today live with no running water, indoor plumbing or sanitation service, and recommends a series of remedies.

On the Navajo Nation in the Southwest, families drive for hours to haul barrels of water to meet their basic needs. In West Virginia, they drink from polluted streams. In Alabama, parents warn their children not to play outside because their yards are flooded with sewage. Families living in Texas border towns worry because there is no running water to fight fires.

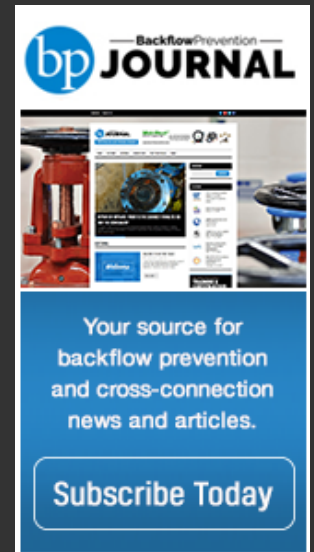
"Closing the Water Access Gap in the United States" is the most comprehensive national study on the more than 2 million Americans who lack access to water service. The report fills an important knowledge gap: there is no one entity — whether a federal agency or research institution — that collects comprehensive data on the scope of the United States water access problem.

"This report shows us all that lack access to water and sanitation is not simply an issue faced by lesser-developed countries — it is happening in our backyard," said George McGraw, DigDeep CEO. "With IAPMO's work for nearly a century in water and sanitation safety, their involvement in this report was important — not only now, but also moving forward in helping address the issues outlined in the study."

The report's authors, with researchers from Michigan State University, examine six areas where the water access gap is particularly acute: the Central Valley of California, border *colonias* in Texas, rural counties in Mississippi and Alabama, rural West Virginia, the "four corners" area in the Southwest, and Puerto Rico. Researchers spoke to families living without water and captured their stories of poor health and economic hardship. The authors also spoke to local community leaders working to solve the water crisis by distributing water, building community-centered water projects where no infrastructure exists, and advocating for policy change to bring more reliable services to rural and unincorporated communities. Despite these community efforts, data suggests that some communities may be backsliding; six states and Puerto Rico saw recent increases in their populations without water access.

"DigDeep and the US Water Alliance have done an incredible job in undertaking the daunting task, and worked tirelessly, to highlight the tragic circumstances faced by communities across America," said Dave Viola, IAPMO's Chief Operating Officer and member of the National Advisory Council for the report.

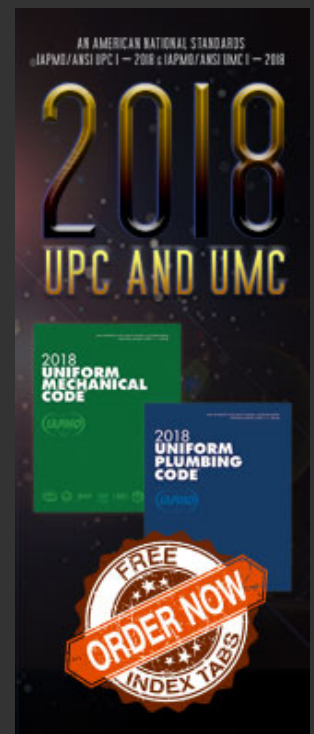
of the many benefits available to members of IAPMO, which include substantial discounts on most IAPMO publications and educational programs, the opportunity to update and improve the UPC and UMC, participation in local IAPMO chapters and an invitation to attend IAPMO's Annual Education and Business Conference. The conference offers superb educational seminars. Find out more at www.iapmo.org.



bp Backflow Prevention **JOURNAL**

Your source for backflow prevention and cross-connection news and articles.

Subscribe Today



AN AMERICAN NATIONAL STANDARD
IAPMO/ANSI UPC 1 - 2018 & IAPMO/ANSI UMC 1 - 2018

2018
UPC AND UMC

2018 UNIFORM MECHANICAL CODE
(Green cover)

2018 UNIFORM PLUMBING CODE
(Blue cover)

FREE ORDER NOW INDEX TABS

The report makes several recommendations to help close the water gap in the United States. Recommendations include re-introducing Census questions about whether homes have working taps and toilets, as well as changes to how the federal government funds and regulates water systems to support rural and unincorporated areas. There are also several recommendations for the philanthropic and global WASH (water, sanitation, and hygiene) sectors to drive community empowerment, deploy innovative technologies, and apply successful WASH models from abroad here in the United States. Read the full report at closethewatergap.org.

"It has been an honor to be part of such a comprehensive and impactful report," said Dain Hansen, Senior Vice President, Government Affairs, IAPMO, and member of the National Advisory Council for the report. "IAPMO's long-standing mission is to protect the public health and safety, and we stand committed to working within our industry in helping to address the water and sanitation access issues throughout the United States."

[<Return to top>](#)

IAPMO Makes New Tentative Interim Amendment (TIA) Available for Public Comment

In accordance with the IAPMO Regulations Governing Committee Projects, IAPMO would like to announce that a Tentative Interim Amendment (TIA) to the 2018 edition of the *Uniform Mechanical Code (UMC®)* is being submitted for public comment.

TIA UMC 008-18 revises text in *UMC* Section 1109.2 (Joints) and Section 1109.7 (Pipe Enclosure) regarding press-connect joints for refrigeration piping. The comment forms are located at:

http://codes.iapmo.org/docs/2018/UMC/TIA/Submit_Public_Comment_for_UMC_TIA_008-18.pdf

IAPMO invites all interested parties to review the proposed TIA on the IAPMO website under *Uniform Mechanical Code / Proposed TIAs* and respond by filling out the comment form.

The deadline to submit comments is Nov. 22.

Completed forms may be emailed to Zalmie Hussein, Mechanical Code Development Administrator, at zalmie.hussein@iapmo.org or faxed to the Codes Department at (909) 472-4246.

[<Return to top>](#)

IWSH Solidifies Plans for Next Community Plumbing Challenge Program at Indonesian Industry Event

The International Water, Sanitation and Hygiene Foundation (IWSH) unveiled plans for the next phase of the Community Plumbing Challenge (CPC) Indonesia program during a presentation at the inaugural Indonesia Sustainable Construction and Plumbing Conference (ISCOP). ISCOP was co-located with Konstruksi Indonesia and Indonesia Infrastructure Week at Jakarta International Expo, which took place Nov. 6-8.

The new CPC Indonesia program will be presented in collaboration with Badan Standardisasi Nasional (BSN), the Indonesian standardization body, and PT. IAPMO Group Indonesia. It will be hosted in the coastal village of Kampung Nelayan Untia, on the outskirts of Makassar, South Sulawesi. The project's initial focus will be the design and construction of a new public toilet and handwashing facility, intended to support ongoing efforts to drive further tourism to the village alongside improving local sanitary conditions for residents and the surrounding community.

"After the success of the pilot CPC Indonesia projects, hosted in Cicau Village, West Java, through 2017-18, we are excited to support and enable the growth, and development, of this program — particularly by working together and more closely with BSN, to do so," said Shirley Dewi, Senior Vice President of PT. IAPMO Group Indonesia and an organizer of the ISCOP event. "We are so pleased the new CPC program has been showcased and received so positively at ISCOP this week, because the whole purpose of this conference has been to bring together professionals from the Indonesian construction and plumbing industries to network and share ideas on how to improve Indonesia's development. The CPC is a platform that our industry can really get behind, as it opens so many doors for improved technical education and training, awareness around sustainable building codes and standards, and encourages greater behavioral change around public health issues linked to water, sanitation and hygiene."

Read more: <http://www.iapmo.org/group/update/cpc2020-iscop>

[<Return to top>](#)

IAPMO Roundtable Galvanizes Indonesian Industry Around Critical Development Issues

IAPMO convened, as part of its contribution to the inaugural Indonesia Sustainable Construction and Plumbing Conference (ISCOP), a high-level roundtable discussion on water and sanitation in Indonesia and the ASEAN region; an event co-located with Indonesia Infrastructure Week at Jakarta International Expo, Nov. 6-8.

amazon
smile
You shop. Amazon gives.
Shop on Amazon and donate 0.5% of the purchase price to support the #IWSHFoundation
IWSH

ENERGY ENVIRONMENT
WORLD PLUMBING DAY
wpd
march 11, every year, everywhere
www.worldplumbingday.org
WATER HEALTH

SAVE THE DATE
DECEMBER 3
#GIVINGTUESDAY

"A robust local industry is critical to the development of sustainable water and sanitation solutions," said Dain Hansen, IAPMO Senior Vice President of Government Relations. "The purpose of this high-level roundtable meeting is to bring together the greatest minds from manufacturing, government, NGOs and other water stakeholders for a vital dialogue in addressing water safety, security, and sanitation issues; to hear about the challenges faced by the region, as well as to explore opportunities within the sector."

Read more: <http://www.iapmo.org/group/update/2019-iscop-roundtable>

[<Return to top>](#)

IAPMO Solicits Public Comments for 2021 Uniform Solar, Hydronics and Geothermal, Swimming Pool, Spa and Hot Tub Codes

IAPMO, publisher of the Uniform Solar, Hydronics and Geothermal Code™ (USHGC) and Uniform Swimming Pool, Spa and Hot Tub Code® (USPSHTC), is calling for public comments on the 2019 Report on Proposals (ROP) for the 2021 editions of these American National Standard designated model codes. The public comment form, as well as instructions and background on IAPMO's ANSI-accredited consensus development process, can be found [here](#).

All comments should be submitted using the exact wording wished to be recommended to the Technical Committees for review. Each comment must include one recommendation of the following: accept as submitted, accept as modified, or reject. Additionally, each comment must state the problem the recommendation will resolve and any technical justification for making the comment.

No comments will be accepted after the 5 p.m. PST deadline on Jan. 13, 2020. All public comments will be distributed to the Technical Committee members in April and reviewed at their meetings May 18-19, 2020, in Ontario.

Read more: <http://www.iapmo.org/group/update/roc-ushgc-uspc>

[<Return to top>](#)

IAPMO Indonesia Completes Enterprising Sustainability Summit

PT. IAPMO Group Indonesia, in cooperation with the Green Product Council Indonesia (GPCI) and the Indonesian Plumbing Association (APIN), hosted a comprehensive three-day Indonesia Sustainable Construction and Plumbing (ISCOP) conference and exposition at Jakarta International Expo. ISCOPT was held in conjunction with Konstruksi Indonesia and Indonesia Infrastructure events, which was opened by Indonesian President Joko Widodo. Centered around the theme "Advancing Sustainable Construction Materials and Plumbing Systems for a Sustainable Future," the event gathered stakeholders from across the construction and plumbing industries to develop greener, smarter, safer and more efficient building environment for Indonesia.

ISCOP sought to support the Indonesian government in its commitment to Sustainable Development Goals (SDG) 2030, relating specifically to infrastructure, industry, environment, water access and sanitation, education and human resources.

Read more: <http://www.iapmo.org/group/update/iscop2019>

[<Return to top>](#)



AHR Expo announces the 2020 Education Program

Sessions offer insight into some of the HVACR industry's biggest opportunities, challenges, new products, technologies and applications

The 2020 AHR Expo has announced its full schedule of sessions for the 2020 Education Program, including more than 200 free seminars, new product and technology presentations, professional certifications and continuing education courses. Each year, the Education Program discusses some of HVACR's biggest opportunities and challenges through a series of comprehensive, informative and industry-focused sessions hosted by leaders from every sector of the industry. This year, the AHR Expo will add a series of HVACR trend discussions led by members of the AHR Expo Expert Council.

The 2020 AHR Expo will be held Feb. 3-5 at the Orange County Convention Center in Orlando, FL. To register, please visit the [AHR Expo registration website](#).

"The Education Program adds a unique element of learning to the AHR Expo with the opportunity to hear directly from leaders within the HVACR industry about the latest trends, applications and practices," said

Mark Stevens, AHR Expo Show Manager. "The development of our session schedule is ongoing, and we take careful consideration of discussions happening across the industry to identify pain points, opportunities, trends, etc. where we might offer support and solutions through dedicated sessions. There is tremendous planning involved, internally with AHR Expo as well as from the speakers and sponsoring organizations, to deliver useful advice, perspectives and tools to advance as professionals in the industry."

Read more: http://www.iapmonline.org/Documents/archive/20191028_AHR_Expo_Education.aspx

[<Return to top>](#)

Construction Starts to Slip Back in 2020 According to Dodge Data & Analytics

Dodge Outlook Report Predicts Economic Slowdown to have Broad Based Impact on Total Construction Growth

CHICAGO, IL – October 31, 2019 – [Dodge Data & Analytics](#) today released its 2020 Dodge Construction Outlook, a mainstay in construction industry forecasting and business planning. The report predicts that total U.S. construction starts will slip to \$776 billion in 2020, a decline of 4% from the 2019 estimated level of activity.

"The recovery in construction starts that began during 2010 in the aftermath of the Great Recession is coming to an end," stated Richard Branch, Chief Economist for Dodge Data & Analytics. "Easing economic growth driven by mounting trade tensions and lack of skilled labor will lead to a broad based, but orderly pullback in construction starts in 2020. After increasing 3% in 2018 construction starts dipped an estimated 1% in 2019 and will fall 4% in 2020."

"Next year, however, will not be a repeat of what the construction industry endured during the Great Recession. Economic growth is slowing but is not anticipated to contract next year. Construction starts, therefore, will decline but the level of activity will remain close to recent highs. By major construction sector, the dollar value of starts for residential buildings will be down 6%, while starts for both nonresidential buildings and nonbuilding construction will drop 3%."

Read more: <https://www.construction.com/news/Construction-Starts-Slip-back-2020-Dodge-Data-Analytics>

[<Return to top>](#)

Record Number of Legionnaires' Cases In 2018 Risk Lives, Cause Cleanup Headaches

By *Lauren Weber* (<https://khn.org>)

Cases of Legionnaires' disease reached a record high in 2018 — a more than eight-fold increase since the numbers began to climb nearly two decades ago.

The Centers for Disease Control and Prevention [reported Monday](#) 9,933 cases in 2018 of Legionellosis, which includes both Legionnaires' disease and Pontiac fever. Legionnaires' disease made up the vast majority of cases, according to the CDC.

And the problem may be exponentially larger than what's reported to public health officials. The National Academies of Sciences, Engineering, and Medicine estimates that [as many as 70,000](#) people may suffer from the disease each year, according to a report released in August.

Hot tubs, hotels and hospitals across the U.S. continue to be hotbeds for the potentially deadly disease, which people contract after inhaling mist or water droplets contaminated with Legionella bacteria. It causes severe pneumonia-like symptoms and kills 10% of those sickened. [Nearly one-quarter die](#) if they contract the disease in a health care setting.

Water that sits stagnant in old pipes, cooling towers or hotel rooms can become a breeding ground for the dangerous bacteria to grow and fester when water is not cool or hot enough. Experts point to a number of causes for the explosion of cases across the country: decaying infrastructure, an aging population, greater testing for the disease, water conservation efforts and even climate change.

READ MORE: <https://khn.org/news/record-number-of-legionnaires-cases-in-2018-risk-lives-cause-cleanup-headaches/>

[<Return to top>](#)



YOUR PARTNERS IN EXPORTING

Grow your exports today:
GrowExports@IAPMO.ORG

Industry Calendar

KBIS 2020
 January 21-23, 2020

NAHB Builder's Show
 January 21-23, 2020

AHR Expo
 February 3-5, 2020

WE-Stand Technical Committee Meeting 2020
 March 24 - 25, 2020




7th Emerging Water Technology Symposium
 May 12 - 13, 2020

91st Annual Education and Business Conference
 September 13-17, 2020

Upcoming Seminars

Earn your Continuing Education with IAPMO training.

ALASKA SEMINARS		
November 22, 2019	Anchorage, AK	2015 UPC Essentials Workshop
November 23, 2019	Anchorage, AK	2015 IMC Essentials Workshop
ARIZONA SEMINARS		
December 9-13, 2019	Phoenix, AZ	ASSE 5110 Backflow Tester 40 Hour Class and Exam
January 13-17, 2020	Phoenix, AZ	ASSE 5130 Backflow Prevention Assembly Repairer Training and Certification Examination Class
January 18 & 25, 2020	Tempe & Phoenix, AZ	ASSE 5110 Cross Connection Control Recertification - 12 Hr Course and Exam
February 3-8, 2020	Phoenix, AZ	ASSE 5110 Backflow Tester 40 Hour Class and Exam
February 22 & 29, 2020	Tempe & Phoenix, AZ	ASSE 5110 Cross Connection Control Recertification - 12 Hr Course and Exam
CALIFORNIA SEMINARS		
January 13-17, 2020	Ontario, CA	ASSE 5110 Backflow Tester 40 Hour Class and Exam
January 17, 2020	Ontario, CA	Cross Connection Control Recertification - 8 hr Course and Exam
COLORADO SEMINARS		
January 6-10, 2020	Westminster, CO	ASSE 5110 Backflow Tester 40 Hour Class and Exam
January 9-10, 2020	Westminster, CO	ASSE 5110 Cross Connection Control Recertification - 12 hr Course & Exam
January 27-31, 2020	Brighton, CO	ASSE 5110 Cross Connection Control Recertification - 12 hr Course & Exam
January 30-31, 2020	Brighton, CO	ASSE 5110 Cross Connection Control Recertification - 12 hr Course & Exam
IDAHO ONLINE SEMINARS		
IOWA ONLINE SEMINARS		
LOUISIANA SEMINARS		

December 16-20, 2019	Baton Rouge, LA	ASSE 5110 Backflow Tester 40 Hour Class and Exam
December 20, 2019	Baton Rouge, LA	ASSE 5110 Cross Connection Control Recertification - 8 hr course / WSPS Conversion Class
December 21, 2019	Elmwood, LA	ASSE 5110 Cross Connection Control Recertification - 8 hr course / WSPS Conversion Class
December 22, 2019	Elmwood, LA	ASSE 5110 Cross Connection Control Recertification - 8 hr course / WSPS Conversion Class
MASSACHUSETTS SEMINARS		
Session 11 Training available - click here for info!		
MINNESOTA SEMINARS		
May 18-22, 2020	Anoka, MN	ASSE 5110 Backflow Tester 40 Hour Class and Exam
May 22, 2020	Anoka, MN	ASSE 5110 Cross Connection Control Recertification - 8 hr Course and Exam
NEW JERSEY SEMINARS		
January 27-31, 2020	Edsion, NJ	ASSE 5110 Backflow Tester 40 Hour Class and Exam
January 31, 2020	Edsion, NJ	ASSE 5110 Cross Connection Control Recertification - 8 hr course and Exam
OKLAHOMA SEMINARS		
February 10-14, 2020	Bartlesville, OK	ASSE 5110 Backflow Tester 40 Hour Class and Exam
SOUTH DAKOTA SEMINARS		
Click Here to Find a Class		
WEST VIRGINIA SEMINARS		
February 3-7, 2020	Martinsburg, WV	ASSE 5110 Backflow Tester 40 Hour Class and Exam
IAPMO is an approved provider for Continuing Education by USGBC, IACET, AIA and many local organizations and jurisdictions. Contact the IAPMO Training staff to register at 1-877-427-6601, or go to our website http://www.iapmo.org/Pages/Seminar.aspx to register online. New training dates are added periodically!		
  		



I-Connection Electronic Newsletter

You will continue to receive the I-Connection Newsletter each month until such time as you unsubscribe. To make sure the I-Connection Newsletter is not sent to your bulk or junk mail folders, add news@iapmo.org to your address book. We encourage you to forward the I-Connection Newsletter to your colleagues. Requests for new subscriptions, change of e-mail address, or to have your address removed from our list should be sent to news@iapmo.org. IAPMO does not knowingly participate in SPAM. We do not sell, rent or trade the names on our e-mail list; your e-mail address is only used to send messages from IAPMO. If you wish to be removed from this list, follow the link below and enter your e-mail address to be deleted.