FEDERATION OF ASIAN & OCEANIA PEST MANAGERS ASSOCIATIONS

PPM News

DECEMBER 2014 ISSUE

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PRESIDENT'S MESSAGE

***Dear FAOPMA Members*:**

It was my great pleasure to meet up with so many of you again at the FAOPMA 2014 AGM Conference in Hong Kong last month. Of course, the event was a little smaller than our usual FAOPMA Conventions, but all participants found it to be concise and very well-organized by the HKPMA team.

The conference venue was conveniently situated just at the center of Hong Kong with modern facilities and the wonderful food and exotic performances, particularly at the Gala Dinner ***(see Page 8)***, were very much enjoyed and appreciated by all.

Most of all, the business session on the pest control services and mandatory policies presented by each member country's Association was the most informative and interesting time for all of participants.

Personally, I shall never forget the beautiful traditional gifts and trophies, as they are just perfect choices by HKPMA. In fact, every aspect of the event demonstrated the thoughtful consideration of the organizers.

Once again, I would like to send my deepest appreciation to Catherine, her Organizing Committee and members of HKPMA for their hard work and the great hospitality.

Now, we have less than a month left before the end of this year. I started writing these opening messages for our PPM newsletter for the first time in December last year after our FAOPMA 2013 Seoul Convention had just successfully ended. But now already, I am writing my message to close another year.

So I would like to say thank you to all our members for your support and contributions to FAOPMA throughout the year and I look forward to the continuation of your consistent efforts and participation in 2015.

I wish you all a merry Christmas and happy new year!

Myeon-Ha Park, President of FAOPMA, KPCA

The FAOPMA Executive Committee
(More Photos on Pages 7 & 8 Ed.)

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Rob Fryatt Receives Global Ambassador Award from NPMA

At the recent Pest World event in Orlando, Florida, USA, **Rob Fryatt**, owner of Xenex Associates was honoured with the inaugural **NPMA Global Ambassador Lifetime Achievement Award.**

Sponsored by Univar and presented at the International reception, the award recognized Rob's service and dedication to the Global Pest Management Community.

Benjamin Gomez of Univar in presenting the award commented ***"This award is being presented to a person who was a global ambassador for the pest management industry before we even realized that we were a global industry"***. Benjamin added that through his many positions within the industry ***"Rob has made a career of promoting and enhancing professionalism of the industry".***

The award was accepted on his behalf by Rodrigo Gonzalez Llanos from Chemotecnica from Argentina as unfortunately Rob was unable to attend the ceremony in person.

Commenting after the event Rob said ***"There can be no greater recognition within any industry than that of your colleagues. It does not matter who you work for, it is the people that make an industry and over many years I have been fortunate to work, and continue to work, with so many great people in our industry from all around the world*"**. **He also apologized that he was not able to receive the award in person.** ***"I have only missed this event twice in twenty years and feel duly embarrassed!"***

Within the diverse range of the consultancy that the Xenex team provide to the global pest management and mosquito control industries. Rob has been Chair of the pan-European group developing a uniform service standard to be published by the European Standards Organization (CEN) early in 2015. This activity sponsored by CEPA, is a major platform to raise professional standards within the European industry and has created significant international interest.

Along with his consultancy work Rob writes regular articles for International Pest Control and Pest Magazine. He also has a regular opinion column in the Chinese Pest Control Association magazine where Xenex Associates have a representative office in the city of Wuhan.

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Indian Myna Cull Program to Go Ahead in Melbourne Suburb

Jon Andrews Bayside Leader 27 November 2014

Bayside Council has backed a plan to capture and cull Indian mynas.

INDIAN mynas are officially in the gun in Bayside, with a community-led action group leading a cull program to target the pest.

Bayside Council held an information session last night about the proposal to trap and kill the birds, known to cause widespread damage to other wildlife.

About 50 people showed up to the meeting to support the plan, which was mooted by councillor Bruce Lowe in October. Similar culls have worked well in other areas and municipalities, with the Canberra model the most successful, Cr Lowe said.

The administrative group of five residents will form a committee to organise the purchase of traps and co--ordinate veterinary clinics to take the birds to be destroyed. The council will pay for the traps and vet fees.

Cr Lowe told the meeting it was now up to the community to take over. "I am rapt with the numbers and interest generated by this," he said. "We can hopefully get this rolled out to other councils and then it will really work."

Questions that arose from the meeting included what was best to bait the traps with, how to release other birds that were caught and which vets would be open at night to receive the Indian mynas.

The administrative committee will work out these details in due course. The project is expected to start early next year.

MYNA FACTS:

■ They were introduced to Australia in Melbourne in 1862 to control pests in market gardens

■ In 1883, more were released in Queensland to control insect pests in cane fields

■ Mynas have now spread to colonise a large portion of coastal and inland south-eastern Australia through to northeast Queensland.

Leader
COMMUNITY NEWSPAPERS

To Beat Malaria and Dengue, Vaccinate the Mosquitoes

By Priyanka Pulla - 23 October 2014

If there's one thing the malaria parasite wants, it's to get inside the guts of a mosquito. Once there, it releases hundreds of wormlike cells that enter the human body through a bloodsucking bite. Now, scientists have found a way to make mosquitoes much less hospitable to this pathogen, as well as the one that causes dengue: stacking the insect's gut with killer microbes that wipe out the invaders before they have a chance to cause disease.

Like humans and most other animals, mosquitoes are stuffed with microbes that live on and inside of them—their microbiome. When studying the microbes that make mosquitoes their home, researchers came across one called ***Chromobacterium* sp. (Csp_P).** They already knew that Csp_P's close relatives were capable of producing powerful antibiotics, and they wondered if Csp_P might share the same talent.

Mosquitoes fed a bacterium called Csp_P are less likely to transmit malaria and dengue to humans.

The team cultured Csp_P in a sugar solution and in blood and fed both concoctions to mosquitoes whose natural microbiomes had already been eliminated with doses of antibiotics. As the scientists hoped, Csp_P quickly took over the mosquito's gut after being ingested by means of the sugar solution—and even more quickly when it was fed to them in blood.

In another experiment, done with mosquitoes that weren't pretreated with antibiotics, Csp_P-fed mosquitoes were given blood containing the dengue virus and *Plasmodium falciparum*, a single-celled parasite that causes the most deadly type of malaria.

Although a large number of the mosquitoes died within a few days of being infected by the *Chromobacterium*, the malaria and dengue pathogens were far less successful at infecting the mosquitoes that did survive, the team reports today in *PLOS Pathogens*. That's good news: **If the mosquito isn't infected by the disease-causing germs, it is less likely to be able to transmit the pathogens to humans.**

The team, from Johns Hopkins University in Baltimore, Maryland, also exposed the malaria parasite and dengue virus to lab cultures of Csp_P to test for anti-*Plasmodium* and antidengue activity. Here, too, they found that the bacteria inhibited the growth of the pathogens.

The researchers say there could be two mechanisms by which Csp_P fights off *Plasmodium* and dengue infections. First, because Csp_P is toxic to mosquitoes, it activates the insect's immune system. This has the collateral benefit of staving off infection from *Plasmodium* and dengue virus, which otherwise would have thrived in the mosquito's gut. But that's not all, says **George Dimopoulos**, a parasitologist at Johns Hopkins who led the research team. Because the bacterium also snuffs out *Plasmodium* and the dengue virus in the laboratory, it means Csp_P is producing toxic compounds that are killing the pathogens directly.

Dimopoulos and his colleagues believe Csp_P could be used to "vaccinate" mosquitoes against the malaria and dengue pathogens, perhaps through the use of sugar-baited traps that are already used to spread insecticide through populations of the pest. This would have the twin effect of killing most mosquitoes while severely curbing the survivors' ability to spread disease.

This **one-two punch** is "a unique property" for any malaria-control agent, says **David Fidock**, a microbiologist at Columbia University, who was not involved in the study. "No current malaria-control agent does both."

Csp_P could also play a more direct role in combating malaria and dengue in humans. Because the compounds it secretes kill pathogens in the lab, these toxins could be turned into drugs to treat malaria and dengue in people.

Tanjore Balganesh, a medicinal chemist who heads the Indian Open Source Drug Discovery program in Bangalore for neglected diseases such as malaria and tuberculosis, is skeptical, however. Because Csp_P is so toxic to *Plasmodium*, the dengue virus, and even the mosquito that carries them, there is a good chance it could be damaging to human cells, too, he says. That's not a death blow for this line of inquiry, however. "It's still early days [for this research]," he says, "but no drug discovery program is without problems."

Posted in Biology, Health, Plants & Animals

Science

AAAS

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Collapse Puts New Focus on 3,000 Old Buildings in the French Quarter

By: Cain Burdeau, Associated Press, November 19

Built in a horse-and-buggy era, the New Orleans neighborhood suffers from termites, absentee landlords and heavy trucks that rattle the walls.

The collapse of a 210-year-old building in the heart of the French Quarter is raising warning flags about decay and a lack of rigorous inspections in one of America's oldest and most fragile neighborhoods.

No one was injured when the three-story, brick-and-cypress building collapsed in late October, but the episode has thrown into focus an array of problems throughout the nearly 300-year-old Quarter.

Among them: structural decay, voracious termites at work on aged wood beams, Louisiana's humid climate, absentee landlords and the stresses of modern life as heavy trucks rattle streets and balconied buildings standing shoulder to shoulder.

DAILY JOURNAL OF COMMERCE
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Potent predator glow worm found in the Amazon

DDN Correspondent, 21 Nov, 2014

A mysterious glow worm, lighting up the soil in Peruvian rainforests has been discovered. It is being said that the worms use phosphorescence to lure ants or termites into their mouth.

It was reported that the worms were discovered by Jeff Cremer, nature photographer when he came across tiny glowing green dots under some earth while working in the jungle in Peru.

On taking a closer look, Cremer saw the lighted insects. The worms were about half an inch in size.

Entomologists present at a nature lodge nearby were of the view that the larvae belong to an unknown species of click beetle. Over 10,000 species of click beetles are there and around 200 of these emit light.

Experts in Brazil are being contacted by the researchers to find out whether the beetle larvae belongs to its own species or are they some sub-species of a known type of beetle, it was reported.

DDN
delhidailynews.com

More than 4,000 rats killed at Indian hospital

November 6, 2014

New Delhi (dpa) - A pest control firm exterminated 4,400 rats over two days at a state-run hospital in India, with thousands still on the premises, its chief executive said Thursday.

Maharaja Yeshwantrao in Indore, about 800 kilometres south of Delhi, is still home to more than 10,000 rodents, said Sanjay G Karmakar, head of **Laxmi Fumigation and Pest Control Service Ltd.** The complex consists of seven buildings across about 10 acres.

"We have only tackled a part of the grounds so far - they are riddled with rodent burrows, at least 1,000 of them. Each would have four to eight rodents. "We have not started on the buildings yet," Karmakar said.

The pest control firm is baiting the rodents with different food each day. "One day it is peanuts and clarified butter, another day it's roasted chickpeas, potato cakes and so on," Karmakar said.

"If one of a family dies after eating something, the other rats won't touch the same food, so we have to keep changing the menu."

THE NATION
www.nationmultimedia.com

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Profits Rise at Pest Control Group

Pre-tax profits at **Rentokil Initial** were boosted by "more efficient businesses and reduced overheads", a statement by the Surrey pest control group has revealed.

The group acquired five businesses in the period to 7 November 2014 and 18 businesses in pest control in the year, along with a small acquisition in hygiene and three in plants.

In an interim management statement, Rentokil reported Q3 revenues from ongoing operations of £439.5m, a 3.3 per cent increase at constant exchange rates (CER) and a 2.9 per cent decline at actual exchange rates (AER).

Growth in the emerging (22.4 per cent) and growth (6.1 per cent) quadrants was strong, partially offset by slight declines in the protect and enhance (-0.1 per cent) and manage for value (-0.8 per cent) quadrants. Meanwhile, pre-tax profits rose by 27 per cent (AER) to £48.8m.

Chief executive officer Andy Ransom said: "I am pleased to report that the business maintained the recent level of revenue growth in the quarter with the pest control category continuing to perform well in our emerging and growth quadrants. Challenging trading conditions persist in our European businesses, impacting our hygiene and workwear categories in our protect & enhance and manage for value quadrants.

"Profit growth in the quarter continues to reflect the benefit of **more efficient businesses and reduced overheads** and has been achieved despite the challenging European trading conditions. We continue to execute our strategy at pace, to drive improved revenue, profit and cash, and we expect Q4 operating performance to be in line with Q3."

insider MEDIA LIMITED

Secret to animal iridescence

IMARSMAN/FLICKR (CC BY-NC-ND 2.0)

Many animals, especially fish and insects, are renowned for their beautiful reflective bodies.

BBC reports that scientists have recently discovered a universal explanation for their luster: **microscopic crystals.**

The varying thickness of the crystals works to create a multilayered nanoscale structure that causes light to bounce around and interfere with itself before reflecting back out. Researchers believe they can replicate this phenomenon and use it to improve technologies such as LED lighting.

Science AAAS

Air Terminal Services scoops President's award

By: Litia Vulaidausiga, November 09, 2014

AIR Terminal Services took home the prestigious Presidents Award at the Fiji Business Excellence Awards in Denarau, Nadi last night.

Company CEO Hare Mani accepted the award from President Ratu Epeli Nailatikau and paid tribute to his staff, who have also recently marked ATS 33rd birthday.

Other key winners were the Fiji Broadcasting Corporation for the Fiji Business Excellence Prize, **Amalgamated Pest Control in the Achievement in Business Excellence category** and Ajynx Electricals for the Commitment in Business Awards category.

Over 600 attendees from organisations around the country were present at the glitzy red-themed event hosted by the Fiji National University at the Denarau Convention Centre, Sheraton Fiji Resort.

The Fiji Times ONLINE

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Australian researcher to teach Chinese about pests

ABC Rural, Skye Manson, 15 Oct 2014,

PHOTO: The Chinese Government will fund an Australian researcher to study agricultural pest control (ABC TV News - file image)

A researcher from Orange in central west New South Wales has been awarded a fellowship to work with the Chinese Government on pest control.

On a recent trip to the People's Republic of China, **Professor Geoff Gurr** was recognised as a recipient of its 1,000 Talents Award.

Professor Gurr says he's been given funding to investigate 'greener' ways to control pests such as the diamond back moth.

"The research is highly relevant to Australia," he said. "By making some new discoveries at a fundamental level, we hope it will open up new possibilities for some innovative pest control methods.

"(These include) controls that are less heavily dependent on the use of conventional synthetic insecticides, which most people acknowledge have got a number of potential hazards associated with them."

The 1,000 Talents Fellowship was awarded by the Chinese Government and will run for three years.

$400k to fight termites

Salaseini Moceiwai and Luke Rawalai October 06, 2014

THE Biosecurity Authority of Fiji received $400,000 from the government this year for its termite management projects.

BAF executive chairman Xavier Riyaz Khan said termite eradication was a priority area identified by the government.

"For 2014, BAF has received $400,000 from the government for termite management projects.

"BAF is seriously committed to controlling and containing the Asian Subterranean Termites in areas such as Lautoka and Labasa.

"As part of efforts to control termites, in January this year, we opened an office in Labasa that is based at Commissioner Northern's Office at Macuata House and also provided a vehicle to assist in attending and treating termite-infested houses.

"We have also planned more work for next year."

The Fiji Times ONLINE

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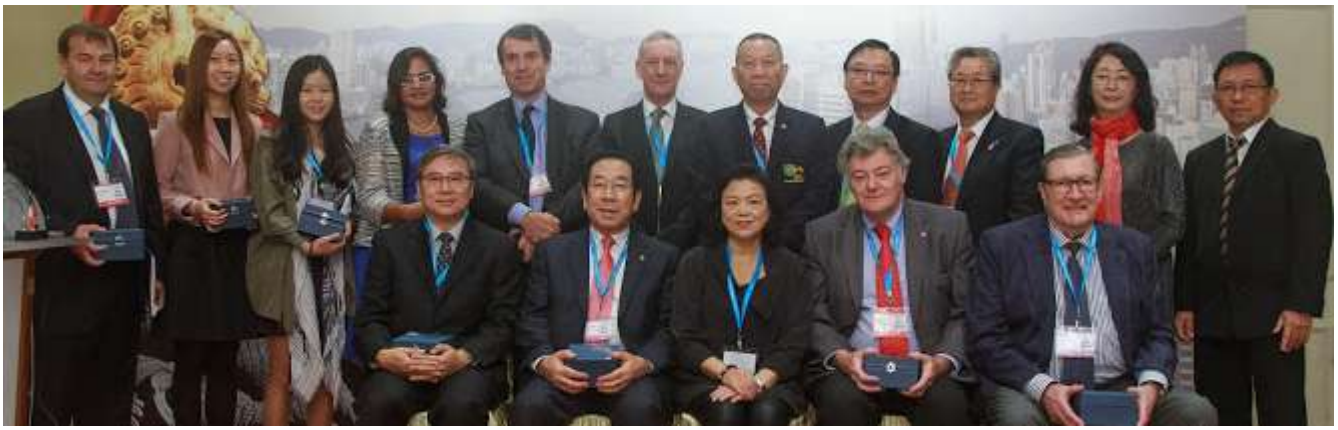
Golf Course Invaded by Pole-R Bear

Golfer Andi Dzilums and his friends couldn't believe their eyes when one of the locals showed a bear faced cheek by invaded the green in the middle of their game.

The pals were in the middle of a round at the Fairmont Hot Springs Resort in British Columbia, Canada, when the baby bear took a shine to one of the flag poles.

And as they approached the green the cheeky critter grabbed hold of the flag and began dancing with it, before snatching their golf ball in its mouth and proudly carrying its prize off into the woods.

HKPMA ORGANISING COMMITTEE: THE PEOPLE WHO MADE IT ALL HAPPEN AND DID IT SO WELL !
L to R: Bessie Lo, Eddy Fung, Doris Chan, Catherine Yan, William Tsoi, Choi Ping Yin, Tannie Sze and Yuki Li.



ALL SPEAKERS

"Now listen Madam: You are going to be President next year, so let's play this one rather carefully".

"We had a real success this year with the 2014 Pest Summit, so come to Penang 2015 for the next FAOPMA Convention !!"

"Mr Park says that he is sure to go to Penang, because that will be the end of his second year as President of FAOPMA".

"… … and the 2016 FAOPMA Convention will be in AUSTRALIA !!"

GALA DINNER

Guest of Honour

Mr. Doug Howick

Following a career in wood science and termite research in Australia, Mr. Doug Howick was National Executive Director of AEPMA for ten years. On his retirement in 2006, he was honoured with the title of Honorary Advisor for FAOPMA. Doug is now the editor of PPM News, the newsletter for FAOPMA, which is electronically circulated to all members on a bi-monthly basis.

Master of Ceremonies

Mr. Gregory Charles Rivers

Born in a small country town in Queensland Australia, Gregory moved to Hong Kong in 1987 to pursue career in Canto-pop. His path took an unexpected turn and he instead became Hong Kong's token Caucasian at Hong Kong's leading television station TVB where he acted in Cantonese television series from 1988 to 2008. He has also performed in movies, stage theatre and stage musicals. He is currently working on his first Cantonese album, a collection of Cantonese cover songs from the 80's when he first encountered and fell in love with the culture of Hong Kong.

Entertainment

Lion Dance
Ha Kwok Cheung Group

Chinese Dance
Ms. Momo Li and Ms. Una He

Erhu Chinese Instrument Solo
Mr. Jeri Lo

Vocal Solo
Mr. Gregory Charles Rivers