



**THE FIRST EDITION !**

At the meeting of the FAOPMA Executive Committee (EXCO) held in Adelaide, South Australia last month, one of the many items on the agenda was the establishment of a newsletter. **This is it!**

Even though there has been some talk of a FAOPMA newsletter for a little while, we think it is a pretty swift result and indicates that your EXCO is "on the ball".

The "FAOPMA Professional Pest Management News" (PPM News) newsletter is **YOURS!** It will become a useful means of information exchange between all responsible pest managers throughout our region.

The plan is to publish every two months and it will initially be emailed to each Association in the Federation. The Administrators or Secretaries of those Associations will then email PPM News to each of their members or, if preferred, they can print it and send it out by "snail mail". However, in the interests of swift communication, it is expected that it will be sent by email.

We should be able arrange for each edition to be posted on the FAOPMA website, so that visitors can follow what is going on in the industry. Importantly, we hope that Associations and individuals will email news items and photographs to the Editor ([doug@tpaa.com](mailto:doug@tpaa.com)) for inclusion in the next issue. This means that we will all have the opportunity to exchange information, advice and experiences.

Details of the next FAOPMA Convention will always have a reserved spot on the final page(s) (See Page 8).

**AUGUST ISSUE 2011**

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**PRESIDENT'S MESSAGE**

To the delegates, sponsors, speakers, exhibitors and organisers of the event - **thank you** for making **FAOPMA 2012** such a positive and successful professional gathering of the pest management industry.

A better than expected delegate attendance, a great venue and social events rewarded the overseas and local guests with a memorable experience. And hopefully many new friendships have been formed from within this fantastic and important industry of which we are all a part.

The tireless work that **Catherine Yan** from HKPCA has undertaken for FAOPMA over this last 12 months to successfully and completely relocate the executive offices and services is now complete.

Sometimes the simplest ideas are often the best, like this newsletter - a simple concept with universal appeal and purpose, and a long overdue way for us to communicate between ourselves and our associates within the FAOPMA family and network.

We can thank the "Filipinos" especially **Gil Aguila** for not letting go of this idea and the newsletter they started in Manila back in 2010. Along with FAOPMA's long standing Honorary Advisor, **Mr Doug Howick** for generously volunteering his time to become the editor, publisher and producer of this new FAOPMA newsletter.

I also hope to be able to contribute on a regular basis on projects and initiatives that the FAOPMA Executive is undertaking. These may include updates of AEPMA's popular industry codes of practice or direct results from our ongoing research and development with bed bug management in Australia.

However, if there are any issues or items that are of interest either directly to FAOPMA business or any aspect of the Australian Pest Management Industry, please send me an email at [davidg@pest-control.com.au](mailto:davidg@pest-control.com.au) and I will try to answer or forward information that may be of interest or assistance.

**David Gay, FAOPMA President**

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**FAOPMA**  
**Conference 2012**  
 Adelaide South Australia  
 11-13 July 2012



*ABOVE LEFT: FAOPMA President, David Gay delivers the Welcome Address  
 CENTRE: Rob Fryatt (XENEX Associates, UK), presents the Keynote Address  
 RIGHT: Dr Don Ewart (Australia) explains "Termite Management Systems"*

**\* \* \*Photographs by Andy Royal\* \* \***

*BELOW LEFT: Deanne Ong (Singapore) assesses "The Impact of Climate Change"  
 BELOW RIGHT: Junichiro Katayama (Japan) considers "Natural Disasters"*



*ABOVE CENTRE: President David Gay presents the traditional FAOPMA Banner and Gavel to President-Elect Mr Park Meon Ha, President of the Korea Pest Control Association, hosts of 25th FAOPMA 2013 SEOUL, "Beyond PES+ech.", 26th ~ 28th, November 2013 (See Page 8)*

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## Pest bombs spark Melbourne restaurant explosion

Workers carrying out **do-it-yourself pest control** have caused an explosion **at a Melbourne restaurant**.



Ten cockroach bombs were set off inside the Le Bangkok Thai restaurant on Lonsdale Street in the CBD just before 1:00am (AEST).

It caused an explosion that blew out a door, damaged a wall and

shattered a second storey window.

One of the workers suffered cuts to his arm and was treated by paramedics. Building and health inspectors will examine the building on Monday.



Posted 22 July 2012

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## Cops to question owner of pest control agency

Express news service : Mumbai, Thu Jul 19 2012

Versova police probing the death of Chougale siblings will question the owner of the **pest control agency**, for which arrested Rukhsana Almekar worked.

Almekar had said in her statement that the agency owner was a family friend, Javed Pettiwala. The police will also check if there were others working for Pettiwala in the locality.

Meanwhile, a police team had left for Pune after arrested Hitendra Shah, owner of the shop that supplied the banned chemical to Almekar, told them that he had purchased the chemical from a Pune-based dealer.



## Man injured in house collapse in critical condition

By [Chris Paschenko](#) - Published July 20, 2012

GALVESTON — A man rescued from beneath a collapsed house remained hospitalized in a critical condition. Luis Guzman Reyna, 41, was working early on an elevated house in the 1300 block of 21st Street when it collapsed and fell about 6 feet to the ground, according to a Galveston police report.

Reyna was trapped between shoring and a joist for about 50 minutes until firefighters freed him. The city sent a pair of forklift operators to help stabilize the house, **which was severely damaged by termites**.

“Every time we’d make one lift, another part of the house would start to give,” Smith said. An ambulance crew took Reyna to the University of Texas Medical Branch. He remained hospitalized Thursday in critical condition, said a hospital spokesman later.

“**Because of the termite damage**, they were working to put cribbing to stabilize the house so they could do repairs underneath,” Galveston fire Chief Jeff Smith said. “And somewhere in there, the load-bearing system of the house gave.” The house twisted over, torqued left to right and dropped 6 feet in the process, Smith said.



Reyna suffered partial crushing injuries. Firefighters lifted the house about 10 inches to remove Reyna, who was trapped about 15 feet from the north-facing wall. The homeowner had a building permit Smith said.

“Our understanding is that the homeowner followed all city permit processes and that there was proper labeling on the front of the house for the work that was being done.”

Smith commended fire Capt. Joe Brantly and his crew for going beneath the house to make the rescue. “We never would have been able to get him out without putting firefighters in harm’s way,” Smith said.



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## Termites' crystal backpacks help them go out with bang

By Nick Crumpton BBC News 26 July 2012

A species of termite has been found to inflict more damage on its enemies as it ages. **When defending their colony, some termites "explode", releasing chemicals that injure intruders.**

A previously unknown crystal structure has been discovered that raises the toxicity of their chemical weapons. As worker termites grow older, they become less able to perform their duties. Yet this newly discovered structure allows ageing workers to better defend their colony. The research was published today in **Science**.



When faced with a threat, many termite species employ a type of altruistic suicide known as **"autothysis"** in order to deter attackers.

### For the good of the colony

- Many species of "eusocial" insects deploy suicide defence strategies
- "Autothysis" is a special kind of suicide where an organism ruptures an organ
- These ruptures release toxic compounds, killing the animal and injuring its target
- Autothysis was first documented in carpenter ants from Borneo

**In a few species, workers join "soldier" termites in the defence of their colony and perform these acts of suicidal defence.**

However, a twist to this system has been discovered in a species from French Guiana. "My PhD student, **Thomas Bourguignon**, was studying termite community ecology and collecting species when, casually, he found something really special," **Prof Yves Roisin** from the Free University of Brussels told BBC News.

### Dark crystals

By rupturing their bodies, *Neocapritermes taracua* release a toxic chemical that sticks to intruders, holding them fast and corroding their bodies.

"Autothysis" is usually a one component system. The defensive secretions are stored in salivary glands, but in these species there is a 'backpack' with two crystals

carried outside the body. When the termite bursts, the two mix together, producing the more toxic compounds," **Prof Roisin** explained.

The "backpacks" are formed from pouches on the outside of the body. Although termite societies contain castes of "soldier" individuals with vastly enlarged mandibles that have evolved for the purpose of attacking intruders, workers can join fights and perform defensive suicides should the need arise.



*Ageing workers assist soldiers in defending their colony*

The research shows that as workers in this species grow older and more incapable of performing other tasks, they store up crystals that produce a chemical reaction when mixed with glandular secretions. This increases the toxicity of their explosive defence mechanism.

**Biologists believe it allows the ageing workers to become more "useful" to the colony as sacrificial, defensive bombs.** How the crystals are synthesised is, as yet, unknown. Also unknown is whether other species in the genus have evolved a similar backpack system.



"There are some five or six species in the genus, but it's the only species [that carries a backpack] we've seen so far," **Professor Yves Roisin** said. "It's quite strange."

**BBC NEWS**

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## Maharashtra loses many bat colonies

PUNE: **Several bat colonies** in the state have ceased to exist due to development, renovation in old structures or by **pest control**. A recent study found that taking over of natural habitats of bats by humans was a huge threat to the species.

The research paper was called "**Distribution of bats in south-western region of Deccan, Maharashtra-India and conservation recommendations**," and published in **Taprobanica**, an international journal. It was written by Sujit Narwade, a scientist from Bombay Natural History Society, Mahesh Gaikwad, a researcher from Satara district, Vishakha Korad, a faculty member of Fergusson College, Pune and Kamlakar Fartade, a lecturer at Model Multipurpose High School and Junior College, Solapur district.



Eleven bat species were reported from the study area that covered the four districts of Solapur, Osmanabad and parts of Pune and Satara. The study has found that many old structures such as houses, caves, temples, which are habitat for bats, were under renovation. Road construction, township projects, tourism, development at agricultural land and removing of natural vegetation were also affecting the bats.

Narwade told TOI that it was the first time an extensive study on bats was carried out in Deccan region. They were studied well in the Western Ghats and parts of Marathwada (especially Aurangabad and Nanded districts). This study was undertaken to understand the distribution of bat species in south-west Maharashtra.

**The study observed that bats were sensitive to disturbances from people. Bat colonies have been exterminated by pest control operators and public health department has been responsible for their elimination in urban areas. Some mortality is due to trapping in nets placed around fruit crops and vineyards.**

The uncontrolled use of chemical fertilizers and insecticides may have had an effect on the food source of insectivorous bats. Pesticides may pose some detrimental effects on bat population. Thus, it is important to study their impact on bats," he said.

Narwade said that forts, temples and sacred groves were important habitats for bats and should remain untouched

by renovation. Steps should be taken to protect the natural roosting habitats, he added.

The paper can be used for further studies of the ecosystem provided by bats like eating insects, pests and pollination to some extent. The bats play a crucial role in maintaining the ecosystem in different ways. Fruit bats act as flower pollinators and seed dispersal agents of forest and mangrove species, while insectivorous bats have a major role in controlling insect pest population in nature.

Gaikwad pointed out that the many roosting sites for bats were no longer visible. **In the 1930s, roosting sites for bats were reported in Karla and Bhaja caves near Lonavla. Now not a single species of bats is found here.** In many old structures, renovations works like painting, blocking the openings, wiring, among others, have destroyed the habitat of bats. Tourism is another threat," he added.

### **About Bats**

\* Bats form some of the largest non-human aggregations of mammals, and may be among the most abundant groups of mammals when measured in numbers of individuals. Among the mammals of the world, bats comprise 25%.

\* The megachiroptera includes fruit bats and flying foxes of the tropical forest. Microchiropteran bats found in India are mainly insectivorous and are important components of forest as well as agricultural eco-systems. They consume insects in large volumes up to 100% of their body weight per night.

### **For their protection**

\* A study on the impact of changing habitat and loss of suitable areas on survival of bats in the region with a continuous bat-monitoring programme

\* Survey and monitoring of the bat colonies from the study area should be encouraged with the help of volunteers and local NGOs

\* Under the process of afforestation, indigenous plant species should be preferred over exotic plants

\* Ecosystem services provided by the bats should be studied and conservation of bats should be promoted as the important bio-indicators.

**THE TIMES OF INDIA**

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## PestWorld 2012

October 17-20 Sheraton Boston Hotel  
John B. Hynes Veterans Memorial Convention  
Center

**With targeted information on the latest products, services, technologies, and business applications, PestWorld promises to offer the pest management industry a mix of education, networking, and research designed to complement your individual business model.**

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### Rentokil callouts on ant infestations up 20% on same period last year

By Ciarán Hanna August 12, 2012

With warm weather coming to Ireland in the past week, it is expected that there will be an increase in the number of ants and **advice has been issued by Pest Control company Rentokil to prevent ant infestations.**

Rentokil Ireland have said that ant callouts up to the end of July were already 20% higher in 2012 than the same period last year.

The company have said that both red ants and common black garden ants have been on the increase across the country since the beginning of June.

Scientist Dr Colm Moore, Technical Manager at Rentokil said: "The majority of black garden ants will only come in to your home to forage for food and are attracted by sweet and sticky substances."

Dr. Moore advised:

- Clear away food and liquid spillages immediately
  - Clean food debris from under kitchen appliances
  - Make sure all rubbish bins have tightly sealed lids
  - Clear away your pet's food after eating
  - Seal access points such as cracks and crevices in door and window frames
- Always cover food, you don't know where the ant has been before it crawls across your food!"

In dealing with the subject of ants in general, Dr. Moore said that **there are around 30 species of ant in Ireland**, including the common black garden ant, red ants and even the Pharaoh ant.

### Bell Introduces Crime Scene-Themed RPM Guide

**The company's new Rodent Pest Management Guide designed to bring out the 'inner detective' in technicians.**

MADISON, WIS. – July 20, 2012

Bell Laboratories' new **Rodent Pest Management (RPM) Guide** will bring out the "inner detective" in technicians as it takes a crime scene approach to solving and controlling rodent infestations. The 16-page booklet covers the major areas of rodent pest management, plus the latest information on bait station security, non-toxic pest management, and tracking baits.

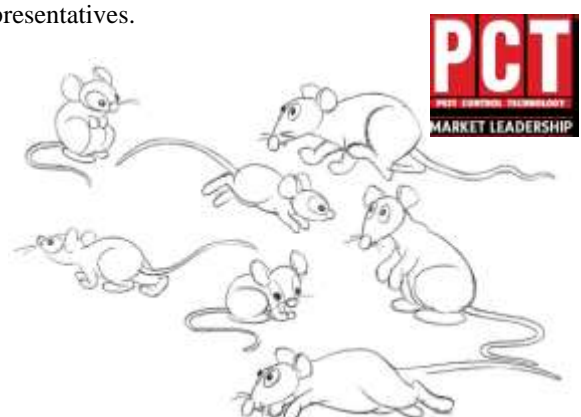
Designed like a detective's office, the booklet opens with in-depth profiles of the usual suspects – Norway rats, roof rats and house mice, a.k.a. "The Burrower," "The Climber," and "The Invader," respectively - including a full rundown on their biology, behavior, and sensory capabilities.

The guide, like good detective work, then walks technicians through a thorough inspection of the scene, so they can determine the rodent species involved, the severity of the infestation, and high activity areas.

And, of course, there's the motive - what led to the infestation? You guessed it. **Harborage, poor sanitation, and a lack of rodent proofing are addressed**, along with descriptive photos, and ways to correct the problem.

Choosing the right product to control the infestation takes technicians to easy-to-read descriptions of Bell's baits and bait formulations, along with key principles to successful baiting. New to this edition is a primer on Lumitrack, a special additive incorporated into bait that makes it easy for PMPs to identify, track and eliminate rodents.

The booklet explores all control options, including a non-toxic approach to pest management using mechanical traps and adhesives. It wraps up with a line-up of Bell's tamper-resistant bait stations, spotlighting the new time-saving EVO stations, and Bell's pre-baited T1 Rat and T1 Mouse Bait Stations. These Bell-certified Tier 1 stations are tamper-resistant to children and dogs, as well as weather resistant. The RPM Guide is available through Bell distributors and technical sales representatives.



## **Pest control firm's success comes from adapting to changing regulations**

By Katie Eder - July 27, 2012

Phil Waldorf, founder and CEO of Fairfield-based pest control provider Bell Environmental Services, lost some of his biggest clients when the state's pharmaceutical giants started consolidating and shuttering their facilities.

**"In the pharmaceutical industry, rodents and roaches would get into their computer systems and labs, and since we don't use pesticides or chemicals to treat problems, they found our method to be the most effective and least harmful to their equipment," Waldorf said. "Our business spread to pharmaceutical firms nationally through word of mouth, but with those companies really downsizing as of late, it took away a lot of our business, and we knew we had to make up for it somewhere."**

Luckily for Waldorf, his pesticide-free InstantFreeze technology fit right into treating the bedbug outbreak in the tristate area, which saw demand for his business explode as firms like **Pfizer Inc.** were closing their doors here.

**"Hospitals in New Jersey are some of our biggest customers for bed bug treatments. When hospitals have bedbugs in their emergency rooms, they need someone there immediately, and we have six bedbug-sniffing dogs ready to go," Waldorf said.**

With 65 employees and 60 vehicles on the road today, Waldorf said he has been steadily growing his business for nearly 50 years by continually looking for niche markets, forming divisions that focus on specific pests for different industries and investing in safer technology.

"Everyone complains about government regulations, and they've put a lot of companies out of business, but we have found at our company that's an asset as opposed to a liability," Waldorf said. **"Every time a chemical is banned — which happens pretty often — because of the way we make our product, our volume expands."**

Waldorf said when chemical treatments for bird control were outlawed, the commercial and industrial buildings using his rodent and insect services were forced to look into mechanical means to keep them away, and he seized the opportunity to bring in more business by creating an electronic net system.

**"I'm not an engineer, but if a cup falls on the floor, you pick it up — and that's what leads to more business," he said.**



## **A Message from the Editor**

I am delighted to have been given the opportunity by the FAOPMA Executive Committee to become the Inaugural Editor of the Organisation's newsletter.

To have a respected communication medium regularly landing on the desks of the directors, owners, proprietors and (hopefully) technicians of almost every substantial pest management company in Australia, Singapore, India, Korea, China, Japan, Hong Kong, Malaysia, Taiwan, the Philippines and New Zealand is an impossibility for any other organisation in the world.

The attraction of the concept as planned, is that the Association in each member country will be sending the newsletter directly to every one of their own local Members. Thus, it will not be coming to you from some vague entity "out there somewhere", it will be coming to you from people you respect.

**I trust that each and every one of you will now begin to recognise that you are an integral part of an "international fellowship in pest management".**

**But I need your help please!** I keep as close as I can to news items throughout the world that are relevant to our industry sector - but I can't know everything! When you become aware of a local pest control matter in your country or area that you think would be interesting for your colleagues in other FAOPMA countries to learn about - **send me the details (doug@tpaa.com.au)**. I would rather get the same news item from ten people than not to hear about it at all.

**I will also be happy to receive your photographs, comments, thoughts and suggestions.**

**As a member of your Association, you are already a shareholder in this Newsletter, "FAOPMA Professional Pest Management News" (PPM News)!**

**Help me make it a really good one!**

A handwritten signature in blue ink that reads "Doug Howick".

**doug@tpaa.com.au**

**Doug Howick,  
Honorary Advisor for FAOPMA,  
Editor, "FAOPMA PPM News"**



# 25<sup>th</sup> FAOPMA KOREA

Convention and Exhibition 2013

26(Tue)~28(Thu) November 2013

COEX, Seoul, Korea



**"Beyond PES+ech."**

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