

APRIL 2014 ISSUE

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PRESIDENT'S MESSAGE



Dear FAOPMA Members:
April in Korea is the real beginning of Spring when the sun shines brightly and the cherry blossoms are in full bloom. I would like to send my greeting with the spirit of beautiful Spring time in Korea to all of you.

Since March, our Korean Pest Control Association (KPCA) has had a busy time running various educational programs in pest management. Under the Ministry of Health and Welfare and according to the Act, KPCA carries out compulsory legal training in pest control.

KPCA runs two separate training programs quarterly. These are initial training courses for new business owners and recovery training courses for both employers and employees, in order to improve pest control techniques and develop pest management professionals.

Specifically, based on the regulations for pest management services in Korea, new business owners must complete our initial training courses within 6 months after registering a pest control business, while existing owners and employees must undertake at least one recovery training course every three years.

In this way, our Association continues to progress more systematic education programs through a well-organized curriculum.

In addition to our legal training courses, KPCA has been closely cooperating with Korea University to develop and provide advanced courses for pest control professionals based on a certificate system. Since September 2009, we have produced 331 graduates from eight batches and we are very proud of all these graduates who each devoted at least 60 hours of their time to complete these courses.

Back to FAOPMA - we have recently surveyed all member Associations about the pest management industry and service requirements of each country, as requested by the Confederation of European Pest Control Associations (CEPA), which promotes the 'European Standard on Pest Management Services'.

Similar to the CEPA approach, if we in FAOPMA could address our differing education programs and standards and find 'a common denominator', we will be able to set appropriate pest control training standards for the Asian and Oceania region. Once our standards are well set and generally used, pest managers in our region can widen their scope and this will ultimately benefit the overall industry and market. As always, your ideas and opinions for the better development of FAOPMA are very welcome.

Lastly, KPCA has already sent a brief report and photos of the 25th FAOPMA Convention in Seoul, to the Secretariat. You will be able to see and download them from our website if you wish. Enjoy finding yourself in those photos taken during the event!

Myeon-Ha Park, President of FAOPMA, KPCA

National Office Official Opening

The Australian pest control industry has relocated its national office to Brisbane in recognition of the potential growth offered in Queensland particularly in domestic, commercial and industrial property development.

In recognition of the important role played by the pest control industry in the property development process, the new national office of the Australian Environmental Pest Management Association (AEPMA) has been officially opened by Dr John McVeigh, the Queensland Minister for Agriculture.



Official opening of the new national office of the Australian Environmental Pest Managers Association, by Queensland Primary Industries Minister, Dr John McVeigh

Dr McVeigh congratulated the National Executive of AEPMA on its decision to move to Queensland, indicating that it was a major policy of the Queensland Government to encourage businesses and employers to consider Queensland as their base.

“Apart from the fact that Queensland is one of the fastest growing economies and enjoys the best climate, I am also told that a large proportion of AEPMA’s membership is already based in Queensland.

“This is significant when you consider the Australian pest management industry is worth up to \$2 billion a year and according to the ABS, Queensland pest management firms account for approximately 1/3rd of the Australian market.”



Orkin Establishes Third Franchise in China

Rollins Inc., a nationwide consumer services company (NYSE: ROL), announced today that the company, through its wholly-owned subsidiary Orkin, established its third franchise in China in the city of Chengdu.

Orkin Chengdu will offer commercial and residential pest control and termite services.

"We are proud to expand Orkin's services in China," said Tom Luczynski, Orkin group vice president of global development and franchising. "This is a great opportunity for Orkin to continue to grow and bring its services to a new region."

The franchise owners are Miao Hong and Miao Bing. Ms. Miao Hong is a licensed pharmacist and Mr. Miao Bing is an engineer.

The owners traveled to Atlanta, Orkin's U.S. headquarters, for initial training at the company's award-winning training center in February.

About Orkin, LLC: Founded in 1901, Atlanta-based Orkin is an industry leader in essential pest control services and protection against termite damage, rodents and insects. The company operates more than 400 locations with almost 8,000 employees. Using a proprietary, three-step approach, Orkin provides customized services to approximately 1.7 million homeowners and businesses in the United States, Canada, Mexico, Europe, Central America, South America, the Middle East, the Caribbean, Asia, the Mediterranean and Africa.

About Rollins: Rollins Inc. is a premier global consumer and commercial services company. Through its wholly owned subsidiaries, Orkin LLC, Orkin Canada, HomeTeam Pest Defense, Western Pest Services, The Industrial Fumigant Company, Waltham Services LLC, Crane Pest Control, Trutech LLC and Allpest, the company provides essential pest control services and protection against termite damage, rodents and insects to more than 2 million customers in the United States, Canada, Mexico, Europe, South America, Central America, the Middle East, the Caribbean, Asia, the Mediterranean, Africa, Mexico and Australia from more than 500 locations.

SOURCE Rollins, Inc.

Web site: <http://www.rollins.com>



Kalam lauds “Solar Pest Control Device” project

B.V.S. Bhaskar

Former President **A.P.J. Abdul Kalam** congratulated A. Ikshwak Varma and his team members studying Class X in Sri Shirdi Sai School for the project “Solar Pest Control Device” during the Indian Science Congress organised at the University of Jammu.

On the last day of the Science Congress on Friday, Dr. Kalam, who was chief guest, saw only two exhibits, one from **Andaman Nicobar** and another one from **Andhra Pradesh**, the “Solar Pest Control Device.” The project team leader Ikshwak Verma briefly explained its working and benefits to Dr. Kalam.

Dr. Kalam applauded it to be a “Clean Project”. The main idea of the project is to help farmers in using cost-effective device that purely runs on solar energy and shuns pesticides that degrade the fertility of the soil and prove fatal to microbes and micro nutrients helpful in the growth of crops.

The prestigious Indian Science Congress that was inaugurated by **Prime Minister Manmohan Singh** had the presence of a galaxy of intellectuals, Nobel laureates, Scientists of several disciplines, educationists etc. **Director of the school T. Sridhar and principal Ms. Srividya also attended the event.**



Pest control gone wrong is suspected cause of bird deaths in Australia

Jessica Grewal - 11th March 2014

A PEST control operation gone wrong is suspected to be behind the poisoning death of hundreds of wild birds in the NSW central-west.

Up to 700 birds including corellas, galahs and cockatoos have been discovered dead along the Talbaragar River near Dubbo in the past two weeks.

A spokeswoman for Wildlife group WIRES told the Herald the birds likely fell victim to a chemical used to control insects and non-native pest birds such as starlings.



Floating Ant Rafts

When trying to escape flooding, ants join together to build rafts out of their own bodies, placing their vulnerable brood—young larvae and pupae—at the bottom of the formation, according to a study published this month (February 19) in [PLOS One](#). The prized queen ant, meanwhile, is sequestered in the middle of the raft.



EUREKALERT, JESSICA PURCELL

The University of Lausanne’s Jessica Purcell and her colleagues collected flood ants (*Formica selysi*) from the banks of the Rhone River in Switzerland. In the lab, the researchers flooded the transplanted ants, and found that the babies-on-the-bottom strategy resulted in a relatively high survival rate for both worker ants and the brood.

“The larvae and pupae are buoyant and not entirely submerged,” Purcell told *National Geographic’s* [Weird and Wild](#) blog. “They are also quite fat, which may be one characteristic that helps buffer them against cold-water conditions.”



Knesset committee approves stricter measures for extermination licensing

By SHARON UDASIN

The Israeli Ministerial Committee for Legislation approved a new bill that will bolster the licensing procedures associated with working in the pest extermination field. The bill, proposed by the Environmental Protection Ministry, mandates that only operators who receive special licenses from the Ministry itself would be able to partake in extermination works.

If passed by the Knesset, the legislation would replace the current situation in which “pest assistants,” who have not undergone adequate training, often perform a significant portion of the extermination work, the Ministry said.

The new legislation was proposed in the wake of a fatal incident last month during which two sisters died and others were seriously injured due to the unregulated usage of pesticides in a Jerusalem building.

“Only someone who has him or herself undergone organized training and passed examinations is fit to engage with pesticides,” the bill states. “The extermination license will be personal and non-transferable. This is in contrast to the existing situation, in which the sector is saturated with improper practices under which exterminators ‘sell’ their licenses to people who are not trained and not approved.”

Pesticide usage training courses today occur through private colleges without governmental supervision of their activities.

The Environment Ministry determines only the content of the examinations that exterminators need to pass. The new legislation, however, would require Ministry supervision over the courses themselves, the Ministry said, adding that, at the moment, the examinations’ failure rate is over 60 percent.

In addition to acquiring the license, the bill would obligate the exterminator to present it prior to performing a job. And as a condition of license renewal, the exterminator would need to attend seminars every five years and to meet several other obligations, the Ministry said.

In order to enforce the measures prescribed by the new legislation, the bill calls for the establishment of an inter-Ministerial committee to investigate misconduct associated with pesticide misuse. **A Pesticide Registrar would publish a list of licensed exterminators that would be accessible to the public, according to the bill.**

Lady Loses Her Life Savings to Termites: \$65,000

Ray Arnab - February 14, 2014

Your financial advisor always suggests you to keep your savings in a bank or other financial institution or some other financial instrument that will give you some return on the capital. In case you thought that inflation or banks going insolvent might eat into your savings, or render them valueless, think again.



In a bizarre yet comical incident, a woman lost most of her savings amounting to approximately 6,500 USD, to termites. Yes! You read that right, termites have eaten away most of her life’s savings. According to reports the lady is from South China, and her identity has not been disclosed due to her request for privacy. As per reports she kept her share of 42,000 GBP, an equivalent of 65,000 USD approximately in a drawer. It is not clear or not known why she chose to keep it in a drawer instead of putting it in the bank or any other financial institution.

It seems that it was a big mistake of putting all the money in the drawer, albeit a costly mistake on her part. The unfortunate elderly went on to retrieve the cash after some time, only to find that termites were having a gala fest and a rich one at her expense. It was then that she decided to take the whole bundle to the bank.



Bank workers were compassionate and extremely helpful and they were able to retrieve most of the 65,000 USD of her savings. As per the records the bank authorities were able to retrieve almost 54,000 USD, which left the lady poorer by 11,000 USD.

NPMA Undergoes Strategic Reorganization

In an effort to best serve its membership and take advantage of the organization's staff assets, the **National Pest Management Association** announced today a significant staff reorganization to ensure that the organization is durable and poised to meet the future expectations of its members. This transition will include the following enhancements:

- **Andrew Architect has been named Chief Industry Relations Officer** with responsibility for all industry-facing activities, including technical affairs, legislative and regulatory affairs, legal, QualityPro, state association management and state association relations.
- **Dominique Stumpf has been named Chief Operating Officer**, with responsibility over internal NPMA operations, including meetings and convention, membership, marketing and human resources.
- **Gary McKenzie will continue to serve as Chief Financial Officer** with responsibility over the finances of NPMA and our affiliated organizations.
- **Missy Henriksen will continue to serve as the Executive Director of the Professional Pest Management Association and Vice President of Public Affairs for NPMA.**

In addition, Janay Rickwalder has been elevated to Vice President of Communications, Marketing and Membership; **Jim Fredericks has been promoted to Vice President of Technical and Regulatory Affairs** and Megan Moloney has been promoted to Meetings/Exhibits Manager.

"In my 25 years with the association, NPMA is fortunate to have the most talented group of people with whom I've ever worked," **stated NPMA Executive Vice President Bob Rosenberg.** "I'm certain that, with these adjustments, NPMA has built a team that will continue to lead and serve the industry with distinction for years to come."



Bob Rosenberg



Missy Henriksen



Dr. Jim Fredericks

Flick Anticimex Acquires Goode Pest Control of Queensland, Australia

March 3, 2014



As consolidation continues in the Australian pest control industry, Flick Anticimex has acquired **Goode Pest Control of Queensland.**

"The acquisition of Goode Pest Control is in line with our strategic growth plans for 2014. Goode Pest Control specialises in commercial pest control with high profile customers and we look forward to ensuring the continued success of these clients, though proactive pest management solutions," **said Andrew Usher, Managing Director of Flick Anticimex.**

Goode's employees are transferring with the business and will be joining Flick's Brisbane and Gold Coast branches.

"Flick technicians are also being brought fully up to speed on Goode's customer sites and the transition is designed to be as seamless as possible," said Andrew Usher.

Flick Anticimex operates from 23 branches and depots across Australia and New Zealand, with a vast network of pest control operators offering superior localised service to meet individual client needs. Its national coverage encompasses servicing 38,000 customers and 17,000+ commercial sites.





Mouse Radar

A discreet, humane and innovative solution to mouse control



Designed specifically with high risk customers in mind, Radar detects, captures, and isolates mice, efficiently, hygienically, and humanely.

This innovative system was developed by Rentokil to meet the needs of high risk market segments, where the presence of a single mouse cannot be tolerated. Within compliance with Health & Safety legislation as well as the high standards of customer or supply chain audits.

Benefits to your business:

- Effective 24/7 detection and eradication of mice within your premises.
- Highly innovative, self contained unit allows for service with no disruption to your business.
- Highly effective, can be used in any sensitive area.
- Discreet and unobtrusive, units are placed at wall floor junctions.
- Simple, hygienic, easy to clean and more discreet than other pest control alternatives.
- Can be used in conjunction with Rentokil's PestNetOnline monitoring and reporting system.

Suitable for a range of customers including:

- Education establishments
- Food manufacturing
- Health and medical sites
- Hospitality segments
- Pharmaceutical industry



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Rat on board - Air India flight delayed for two hours

Never underestimate a tiny rat. A 100-odd passengers who took Air India's Aurangabad-Mumbai flight recently will agree hands down. For it was a little rat on board that delayed their flight by over two hours, upsetting their schedules terribly.

The rodent was first noticed by state minister **Nitin Raut** around 5.30pm just as the flight was picking up momentum. It scampered over Raut's feet. **Raut looked down to find the rodent ducking for cover, as it were.**

The minister, who holds a pilot's licence, was quick to alert the cabin crew and the pilot, said sources. **When DNA tried to contact him for his comment, his phone was not reachable.**

A rat, or any such creature on board, can pose serious threat to safety of a flight. It is for this reason that the civil aviation authority – Directorate General of Civil Aviation – forbids any littering on board or anywhere around the airport.

Staffers at Aurangabad's Chikkalthana airport were quick to swing into action. The plane was brought back to the hangar. Air India sources said that it was decided to abort the flight.

"Passengers were deplaned. A thorough search began to locate the rodent," said a spokesperson of Air India. "The flight was delayed by at least two hours."

Work began at a frenetic pace. Passengers' baggage and other cargo were pulled out, said an airline source. **"Rats can prove dangerous as they can destroy the wiring system of an aircraft and leave a catastrophic effect mid-flight,"** said this source who spoke strictly on the condition that he not be named. In keeping with protocol, the aviation regulator was informed about the pest on board.

The task was pretty much like looking for a needle in a haystack. With no sign of the tiny rat for far too long, the last resort was to smoke the rat out. "The plane was fumigated," said an airport source. **As curls of smoke filled the aisles, out jumped the rat, running helter-skelter and scurrying onto the open runway and yonder.**

For Air India's staff the woes hadn't ended yet. They had to bear the brunt of agitated passengers who complained of the delay and about missing connecting flights from Mumbai. All this, thanks to a tiny little rat.



Bee sensors take flight to help farmers

Thousands of honey bees in Australia are being fitted with tiny sensors as part of a world-first research program to monitor the insects and their environment using a technique known as 'swarm sensing'.

The research is being led by CSIRO and aims to improve honey bee pollination and productivity on farms as well as help understand the drivers of bee Colony Collapse Disorder (CCD), a condition decimating honey bee populations worldwide.

Up to 5 000 sensors, **measuring 2.5mm x 2.5 mm** are being fitted to the backs of the bees in Hobart, Tasmania, before being released into the wild. It's the first time such large numbers of insects have been used for environmental monitoring.



"Honey bees play a vital role in the landscape through a free pollination service for agriculture, which various crops rely on to increase yields. A recent CSIRO study showed bee pollination in Faba beans can lead to a productivity increase of 17 per cent," CSIRO science leader Dr Paulo de Souza, who leads the swarm sensing project, said.

"**Around one third of the food we eat relies on pollination**, but honey bee populations around the world are crashing because of the dreaded Varroa mite and Colony Collapse Disorder. Thankfully, Australia is currently free from both of those threats."

The research will also look at the impacts of agricultural pesticides on honey bees by monitoring insects that feed at sites with trace amounts of commonly used chemicals.

"Using this technology, we aim to understand the bee's relationship with its environment. This should help us understand optimal productivity conditions as well as further our knowledge of the cause of colony collapse disorder," Dr de Souza said.

The sensors are tiny Radio Frequency Identification sensors that work in a similar way to a vehicle's e-tag, recording when the insect passes a particular checkpoint. The information is then sent remotely to a central location where researchers can use the signals from the 5,000 sensors to build a comprehensive three dimensional model and visualise how these insects move through the landscape.

"Bees are social insects that return to the same point and operate on a very predictable schedule. Any change in their behaviour indicates a change in their environment. If we can model their movements, we'll be able to recognise very quickly when their activity shows variation and identify the cause. This will help us understand how to maximise their productivity as well as monitor for any biosecurity risks," Dr de Souza said.

To attach the sensors, the bees are refrigerated for a short period, which puts them into a rest state long enough for the tiny sensors to be secured to their backs with an adhesive. After a few minutes, the bees awaken and are ready to return to their hive and start gathering valuable information.

"**This is a non-destructive process** and the sensors appear to have no impact on the bee's ability to fly and carry out its normal duties," Dr de Souza said.

The next stage of the project is to reduce the size of the sensors to only 1mm so they can be attached to smaller insects such as mosquitoes and fruit flies.



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Honeybee death final sting

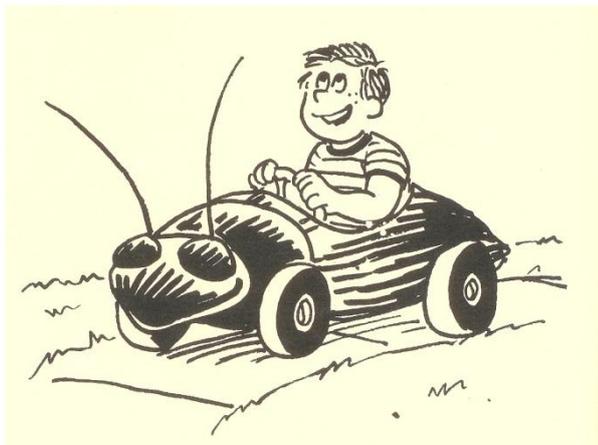


Credit: Kathy Keatley Garvey

2014 AGM will be in Hong Kong

- Nov 26th (Wed) 2pm - 6pm Exco meeting and AGM, 7pm AGM dinner (by invitation)
- Nov 27th (Thur) 10 am - 5pm Business Conference (Programme to be advised later), 6:30pm Annual Dinner (open to all members)
- Nov 28th (Fri) Morning tour + lunch (Optional)

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The Old Man and the Termites

A drilling team arrives in a little village close to Ouaninou in the Western part of Ivory Coast. They are greeted with celebrations and excitement.

The team is armed with satellite readings and maps that show them where they will find water. The whole village, especially the women, turn out to watch them as they start work, delighted at the thought of clean water for the whole year.

No more long daily walks to water points in the dry season. No more suffering from the guinea worm, and no more sad funerals of people who die before their time.

Everyone leaves their work to see with their own eyes the water rushing out of the ground like fireworks. The teachers have to stop teaching, because the students run from the classrooms to be there when the miracle happens.

But the miracle does not happen at once. The first hole finds nothing and the drilling workers shift their equipment and carry on in the stifling heat, maps in hand. Little by little the villagers leave the drilling site and take up their daily activities again. **As the days go by the team moves its truck to a number of different places.**

The satellite data says there is water. The powerful drill comes up empty. Almost three days of intense labour and not a trace of water. Their hopes turn to despair, drop by drop, in silence.

The old man watches for three days. Every time the team starts work, he is there in his chair. He admires the tenacity of the workers, and he assumes that their impressive technology will solve their problems.

But by the evening of the third day, the old man cannot contain himself. He approaches the man in charge, who can no longer look the villagers in the eye. He stares instead at the dusty ground. The old man says: 'I admire your courage. You are doing everything in your power to give us water, but may I give you some advice? **In my long life I have observed that nature teaches us everything we need to survive on this earth.**



'The water runs beneath the earth in small brooks. We cannot see these little brooks beneath the earth, but they exist. **I have noticed that in the dry season the termite hills continue to grow. And termites need a lot of water.** They look for water in the brooks deep down in the earth. I know the location of the termite hills in the fields around the village. I will show you. **Put your machine there. You will find water.'**

The next morning the drill is in place. The team starts drilling. **By noon the village has water!**

Extracted from **Water Stories**, © IRC International Water and Sanitation Centre, 2003



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