



PLASTICS PIONEERS NEWSLETTER

145
SUMMER 2016

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Next Pioneers Luncheon

Wednesday March 9

Kooyong LTC

12:00 for 12:30

Speaker

Troy Palmer

RB Flinders Lawyers

**WILLS & ESTATE PLANNING
& CHALLENGES TO WILLS**

&

Presentation of Career Awards

Partners Lunch

A successful well attended Lunch was held on December 2 with an excellent talk by Les Twentyman of the 20th Man Fund our charity for 2016, and presentation of the Roy Bethune Plastics Hero Award.

Les Twentyman

Les Twentyman, founder and inspiration for the 20th Man Fund was our speaker. Les described the genesis of the fund and its work supporting marginalised young people in the western suburbs. They have a major emphasis on keeping teenagers in education and providing sporting opportunities as an alternative to the unhealthy activities to which a bored teenager may be tempted.

He talked about drugs – particularly ice which is easily available and very destructive. Young people caught up with it often get cajoled into and recruiting others or in crime as the way



to pay for their own habit. It costs \$240,000 to keep a young person in gaol for a year but for that money could alternatively employ 3 youth workers who could each keep up to 40 people out of the prison system. The problem is not going to be defeated just by locking people up. Les finished his talk with examples of young people whose life has been turned around through their experience in programs run by the 20th Man Fund.

It was an excellent talk and clearly had an impact with our best ever charity collection at a luncheon!

David Bleazby – New Life Member

David Bleazby was presented with Life Membership at the Partners Lunch.



Roy Bethune Plastics Hero Award

The Roy Bethune Plastics hero Award was presented at the December Partners Lunch. This award was sponsored by the Bethune family as a tribute to their father Roy Bethune an original Plastics Pioneer.

Neil Bethune spoke about memories of his father Roy, and the early days at Tamco, which was set up by Roy Bethune and Arthur Bourne.



Paul Dillon was presented the Roy Bethune Plastics Hero for 2015 at the Luncheon.

Paul trained in plastics in the UK many years ago. He came to Australia to work at the Ford Plastics Plant. He had two stints at Marbon – called Borg Warner Chemicals first time round, punctuated by some time at Shell and a few years out of the industry. His role at Marbon was as Technical Service Manager which was followed by Tech Service and Market Development roles at BASF. One of his major achievements at BASF was the tall grey Shell service station signs in ASA – Luran S. Paul left BASF to start his own business PD Plastics which he is still running today with his son.

However the main reason for presenting Paul with the award is that for 7-8 years under the auspices of the PIA Paul ran the Know Your Plastics Courses.. These were designed to give people in the industry a broad knowledge the major polymer families, plastics processing and applications. They were delivered by people in the industry and were very popular and well attended.

When PIA morphed into PACIA support for these courses dropped Paul persisted for another 5 years keeping them alive.

This is not the only reason that Paul deserves the award – he has been a longstanding member of the Plastics Pioneers committee and has a special skill in organising our annual winery lunch – something he has volunteered to do again for 2016.

The newsletter is edited by John Ride with major contributions from Bill Willis.

Comments and contributions are welcome.

UPCOMING EVENTS

March 9 Luncheon

Our next Luncheon will be held on **March 9** at Kooyong.

At its last meeting the Committee decided to try and find speakers on some non plastics subjects. In line with this our first speaker this year will be **Troy Palmer** from RB Flinders Lawyers.

Troy is an expert on **wills and estate planning** and is sought as a speaker on this subject. The title of his presentation will be **WILLS AND ESTATE PLANNING AND CHALLENGES TO WILLS**. We invite members to bring partners or other guests to this luncheon to hear Troy.

We will also be presenting our Career Awards for 2015. We have had a good group of nominations and we will be interviewing candidates this month for the Career Development and Encouragement Awards.

A registration form is included in the newsletter.

REGISTER NOW!

April Winery Lunch

Once again we will be organising a winery lunch in April at a date still be set. We will send out a notice once details are confirmed.

Newsbit - The dangers of driving under the influence of BPA?

Organic, sustainable, environmentally-friendly – these are some of the catchwords of today, guaranteed to bestow a warm sense of comfort for anyone purchasing goods marked with just these descriptions. Phthalates and BPA? Yuck and OMG – that’s like a definite no-no for the modern-day, ethically aware consumer. Yet even in a highly mediatised society like the US, bisphenol A is still actively used, and at times by state decree.

In Maryland, for instance, all new drivers licenses will now be made of PC. Then again, most drivers do not worry about whether the document contained in their back-pocket could impact their fertility. And who knows? With cars now starting to drive themselves, the days of the driver’s license may be numbered...



PLASTICS PIONEERS

LUNCHEON MEETING

WEDNESDAY MARCH 2

KOOYONG LAWN TENNIS CLUB
12 Noon for 12:30



**WILLS and ESTATE PLANNING
and CHALLENGES to WILLS**

**TROY PALMER
RB FLINDERS LAWYERS**

&

PRESENTATION OF CAREER AWARDS

Please register the following members & Guests at \$53.00 per head

Given name	Surname	Member or Guest

SignedDate.....

PAYMENT \$.....

Bank Transfer
Westpac-Plastics Pioneers
Cheque:

BSB: 033 372
Account: 241631

Payable to Plastics Pioneers

Mail or email to: Dorothy Morrison, 7 Whiting Court, Wantirna South, 3152, Tel 03 9800 5725

domo1942@hotmail.com

More Newsbits - If only they had thought of this first!

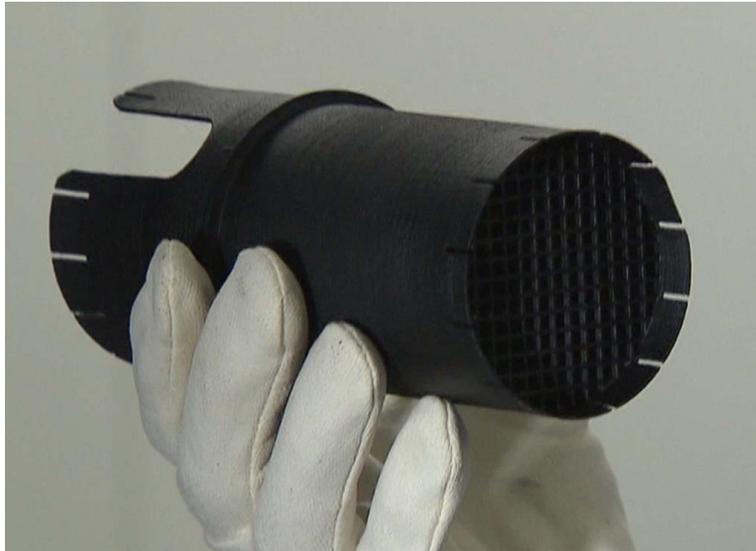
From Plastics News Europe

VW finds quick plastic fix for 1.6 litre diesel engines

Volkswagen has come up with a plastic technical fix for its 1.6 litre TDI engines in the wake of the so-called “Dieselgate” scandal surrounding emissions from the German group’s diesel engines. VW announced on Nov. 25 that it has presented technical measures for EA 189 diesel engines to the German Federal Motor Transport Authority as a “next step in solving the NOx exhaust emissions issue in Europe.”

VW claims to have solved the emission problem with just a software update on the 2.0 litre engine. However, for the 1.6 liter engine it has had to apply not only a software update, but also to develop a piece of hardware called a “flow transformer” or “flow straightener.”

A VW video of the part shows that it is in the form of a tube with a grid at one end that is



mounted at the air intake of the air filter to reduce swirling air turbulence. This increases accuracy of the air mass sensor, a component that provides for optimum combustion through determination of air mass throughput.

The video shows a part that is clearly in plastic, with a rough finish. Manager of VW product communication Pietro Zollino told *Plastics News Europe* that the part has been

produced by 3-D printing as a prototype. He said that this was necessary in order to have a rapid solution that could be presented to the regulator for approval.

Once approval has been obtained, VW will then start on the procurement process of how the part will be produced in serial production, in which material, by which process and by which supplier or suppliers.

In the video there is a demonstration of fitting the device at the air intake point of a Mann+Hummel plastic-housed filter unit. VW says it takes no more than one hour to fit the flow transformer and to update the software.

Automotive industry expert Ferdinand Dudenhöffer of the CAR institute at Duisburg University told the ARD German TV station news program that the relatively easy solutions for the 1.6 and 2.0 liter TDI engines should not cost VW more than 500 million euros, far less than had been originally feared. In the news report on Nov. 25 he suggested that VW’s shares would continue their present recovery path on the stock exchange.

DuPont and Dow confirm 'merger of equals'

DuPont's Edward Breen and Dow's Andrew Liveris shake hands as the merger announcement between the two firms is announced Dec. 11.

Can Dow Chemical's diamond logo fit inside the oval logo of DuPont Co.? The plastics market soon will find out.

Midland, Mich. based Dow and DuPont of Wilmington, Del., two global chemical companies with major plastics businesses, announced on Dec. 11 that they will be combining in a merger of equals. A combined DowDuPont — as the firm will be known — will have annual sales of around \$83 billion, with a little more than \$54 billion coming from Dow and just over \$28 billion from DuPont.



Dow President, Chairman and CEO Andrew Liveris will serve as executive chairman of the new firm. DuPont CEO and Chairman Edward Breen — who joined the firm's board earlier this year and became CEO in October — will be CEO of DowDuPont.

"This will create tremendous value for our shareholders and employees," Liveris said on a Dec. 11 conference call. "It's a tectonic shift in an industry that's been evolving for many years."

"When I look at Dow and DuPont, I see businesses that fit together like hand and glove," Breen added on the call. "This is the strongest possible foundation for where the industry and markets are heading."

DowDuPont then in the next 18-24 months will be split into three separate public companies in order to better capitalize on growth opportunities. Plastics units will be contained in a material science company that by far will be the largest of the three with annual sales of \$51 billion.

Liveris will lead the material science firm in addition to his role of executive chairman. He said that about 70 percent of the materials company's sales will come from three key end markets — packaging, transportation and construction.

The material science firm will improve the combined firm's cost position by leveraging Dow's platform in low cost feedstocks, officials said. It also will enhance opportunities to cross-sell in a number of key markets, including packaging, transportation and infrastructure solutions.

Editor's comments

There is no such thing as equals in a merger! There is always a winner!

How long before the Dow and DuPont names disappear??

Bottle cap proves 'illuminating'

(Who dreams up these things!)

A plastic bottle cap that senses and reacts to music and movement through use of a smartphone has been released in Japan.



Brewing company Kirin's Illumicap has a built-in wireless communication and lighting system which can illuminate the bottle in various colours. Kirin plans to promote the technology by releasing part of its 3D data as an open source and offering a new drinking experience jointly with consumers.

The removable cap is equipped with a Bluetooth module and an LED, emitting light downwards. By controlling the Bluetooth module, the light can be controlled in reaction to the activities of consumers. A further application enables users to take photographs in a long exposure mode to draw pictures and letters on still photos – creating an artwork of light.

PACIA & CSIRO partnership to advance Australian chemistry industry and encourage innovation



CSIRO, Australia's leading multi-disciplinary research organisation and PACIA, the peak national body representing the country's chemistry industry, have entered into a partnership agreement to strengthen the contribution of science and innovation to Australia's \$45 billion (??) chemistry industry.

PACIA CEO Samantha Read, who announced the Strategic Relationship Agreement between the two organisations on Friday, said its primary purpose was to jointly tackle challenges in the chemistry industry and foster links between the business and science communities to encourage innovation. Ensuring Australia is best placed to take advantage of unprecedented global demand for high-value products and services requires leadership, a structured approach and collaboration," Ms Read said.

"The new partnership combines our respective knowledge and expertise and importantly, focuses on solutions and opportunity. The partnership will actively improve connections between industry and research."

Advanced chemicals and polymers are crucial to the creation of new products, product applications, process improvements and the development of services to meet the needs of a growing global market. The country's chemical industry as a whole provides inputs to 109 of Australia's 111 industries and supply chains.

CSIRO's Executive Director, Future Industries, Dr Anita Hill said by combining their world-class capability, PACIA and CSIRO will help businesses create new markets and job opportunities, increase productivity and minimise waste, and address environmental challenges such as energy and water efficiency. "CSIRO and PACIA share a vision of driving research and development in Australia's chemicals and plastics industry by being a catalyst for innovation, helping to create a dynamic, globally competitive economy," Ms Hill said.

"We are delighted to further strengthen the long-standing relationship between CSIRO and PACIA."

Editors comment – being diplomatic – no comment!