



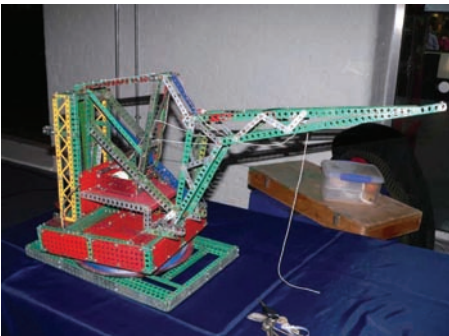
# TELFORD AND IRONBRIDGE MECCANO SOCIETY

## FEBRUARY 2008 MODEL REPORT

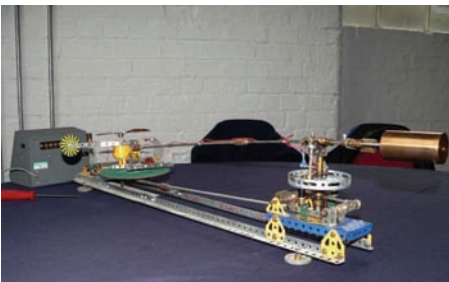
By Hugh Jenkins & Dave Harvey

The February meeting saw a mild day for this time of the year and also an encouragingly large number of members who graced the doors of Ingenuity with a superb display of models. Here thus is the report of the meeting.....

**Paul Hubbard** brought along the floating crane he is building from Super Model Plan No 28. This crane is full of interesting mechanisms and features. Paul is using three motors controlled by a switch bank to drive it from the side of the model.

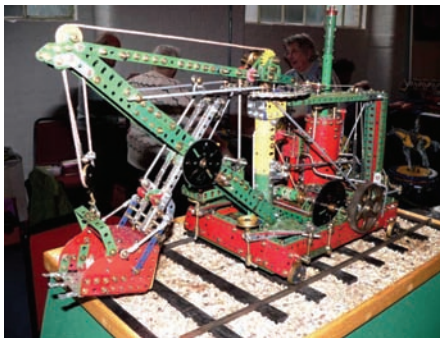


**Geoff Brown** as well as bringing his museum pieces consisting of two 1920's Meccano rheostats, two rare 1922 side lever reversing motors and an E20non reversing motor, also brought his version of Mike Hooper's pylon helicopter with improvements to make "hands off" flying easier and an improved linkage for operating it.



**Dave Bradley** had a model of the rather unusual conveyancer built from the 1970's No 9 manual an attractive model but with a glaring error, in the plans, in the plating of the rear end.

**Dennis Backler** had built a model of the Otis steam Shovel, the prototype of which was the world's first steam excavator. This model again has many interesting features in its mechanism and worked superbly, powered by an electric motor.



**Colin Bull** had lovely model of the Fishguard Titan blocksetting crane built from M.P.169 with slight modifications e.g. the roller bearing is used as a slip ring.



**Roger Burton** needed an excuse to use the caterpillar track he purchased several years ago. He used it to model a German Royal Tiger Tank described in the Meccano Engineer for December 1975. Roger's model was finished in red and green due to a shortage of Army Multikit parts. He also had a very well built, part completed model of a floating crane from the instruction manual for the 1950s set 9.

**Terry Bullingham's** model of a Lancashire boiler built to an approximate scale of 1" to 1' is intended to be linked to a beam engine, the barrel is made up of 12.5" strips with end flanges, and a fire hole door made of semi circular plates and trunnions.



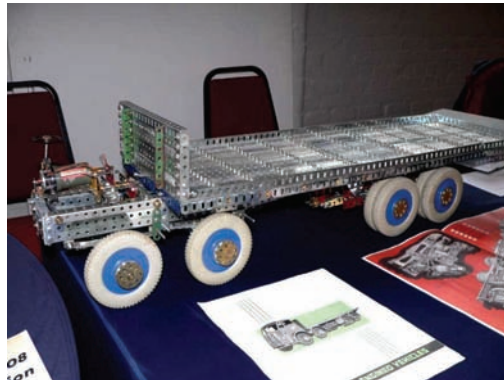
**Bob Chater** produced three delightful models. The first, a mechanical shovel, was built using leaflet 10.20. Bob had left a portion of the body off so that the driving gearbox could be seen. The second was a tractor built from a photograph downloaded from a computer. He said he needed a magnifying glass to see the photo. The third model was nice little four stroke engine, showing the workings of this type of engine.



**Reg Hall** turned up as a guest but left having joined the society! He had brought a feast of models, King Gidaroh was a three headed dragon from Japan and as yet not available in the Western world. This was build for the 2007 Skegness show. His juke box was based on a toy pianola which was motorised and cased in. A differential from a 1930's demonstration model, an improved Sopwith Camel, a speed play cockroach, an army tank and scout car, a solar powered Eightec float plane and several small Marks and Spencer models.



**Tony Clapperton** Showed us a superb model of an ERF 8 wheeled lorry, the scale of which was determined by the Meccano 5" plastic wheel. The model incorporated working rear suspension, twin rear differentials, the four wheeled steering gear had Ackerman geometry. When completed the model will be radio controlled.



**John Evans** produced a fleet of aeroplanes. 1) A nice biplane from a Meccano Aero set of pre war years, I had unknowingly bid against John on ebay for this one! 2) A Marks and Spencer Concorde, 3) A 1967 powerdrive set plane, 4) A 1964 red and green Set 4 spotterplane, A Debenham's spitfire and a single set biplane. A very nice display indeed. John also had a crane built from a German Gnom set. This construction set combined interlocking parts and bolt together parts.

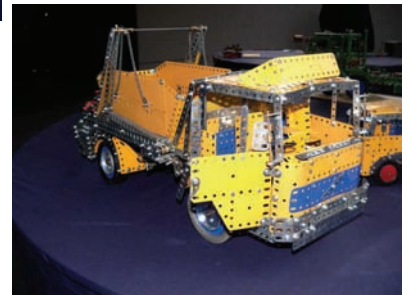


**George Illingworth** continues to produce 1/12<sup>th</sup> scale fire engines, this time he showed us three more beautifully detailed models

1) A 1934 Merryweather Albion limousine pump based on Dinky toys model 250 streamlined fire engine. 2) A 1963 Bedford/ HCB water tender and 3) A 1975 Landrover series 111 Branbridge fire engine based on Dinky no. 282. (See next page for photo).

**Rob Curling** extolled the virtues of car boot sales by showing us two models, the master connection set 0010 motor bike and the buggy from the 0020 set. Both sets having been bought from a car boot sale.

**Tony Evanson** brought the MP 107 skip lorry designed by Tony James, a MP 173 extra solar Orrery. This Orrery is a model of a planetary system found in the constellation of Cancer and consists of 4 planets orbiting a star named 55 Cancarian. He also had a 4 axle logging lorry.



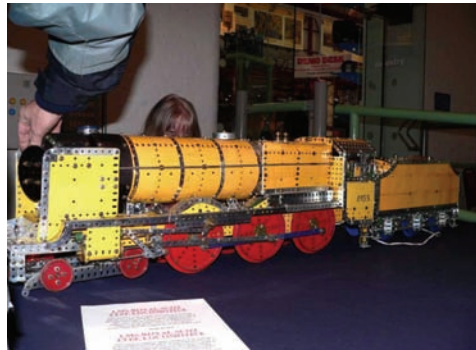
**Bill Gardiner** had brought the super model 21 Transporter bridge which worked faultlessly through the meeting using its automatic gear box. It was nice to see an old model in modern yellow and zinc parts. Bill's very popular "play" models were his bagatelle table, Roundabout with planes, beam engine and a man climbing up a table and abseiling down.





**Hugh Jenkins** brought his “rebuilt” unrebuilt Royal Scot class 1” scale locomotive and tender. Since the June meeting this has been rebuilt with better proportions, a longer smoke box, and shorter boiler barrel and the boiler cab and firebox have been pitched lower by one inch giving a much more powerful and racier look. He also brought a radio controlled truck from the latest Nikko series.

**John McDonald** had made a beautiful model of a World War 1 tank. This had steering through the tracks, guns that trained and working tail wheels for steering.



**David Lacey** promises to complete his beautiful 1962 Midland Red S15 D.P. bus/coach one day, construction is proceeding well with the roof now in correct black and the full complement of seats installed together with the gear box.



**Ian McCalla** brought a part built swing bridge with a superb example of a built up Meccano roller bearing.

**Kevin Span** had an O gauge tank locomotive running on plastic O gauge track and powered by a 12 volt car aerial motor. It is capable of pulling 5 trucks and a brake van.

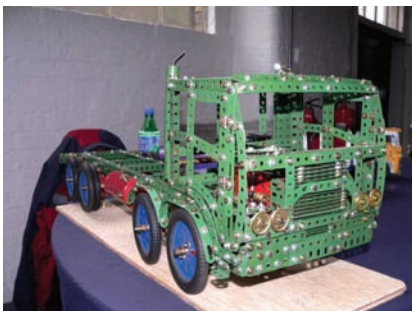


**Tony Wakefield** is building an 8 wheeled rigid chassis lorry for the 2008 Meccanuity display. It is fitted with a 3 speed and reverse gear box, double differentials, tilting cab and gear change mechanism in cab to the gear box transmission.

**Pete Pyefinch** showed us two commercial vehicles, representatives of the once world famous British vehicle industry.

The first was a Foden S80, 8x4 tipper chassis. This featured a double reduction steering box giving a prototypical 9:1 reduction gearing an 8 speed gearbox based on a Philip Webb design, spur gear differentials on the rear axles and hub reduction gears.

The second was a model of the unique 1990’s Unipower heavy haulage tractor, supplied to GEC/Alstrom for transporting turbines to and from power stations. It features a 5 speed and reverse gearbox, 2 speed transfer box, double reduction spur gear differentials with inter axle diffs on axles 2 and 3. All wheels have hub reduction gears.” This is a small part of an ongoing project”, says Pete.



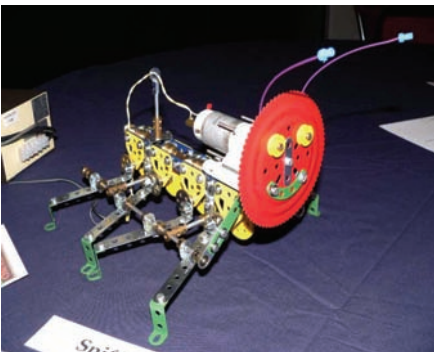
**Keith Way’s** collection of 8 wheeled fixed axle Lorries grows as he produces models for the 2008 Meccanuity project. As well as these he brought a Lacre van built to Model plan 108. This is a delightful model with its 3 forward and 1 reverse gear box.



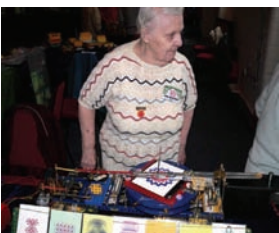
**Janet Way** had a collection of small models built to inspire and encourage youngsters to follow the Meccano Hobby.



**Ken Senar** continues with his menagerie of fun models, this time he had a "spider" which was an eight legged walking machine with a face with its electric drive it walks along the floor. His second creature was a curvaceous clock work worm that ran along the floor.



**Les, Anne and Les Junior Nightingale** had two meccanographs that had been rebuilt time and time again, an illusion machine consisting of two rotating circular rings both revolving in opposite directions but both revolving in the same direction ..... take you pick! This was from a design by Stephen Miles. Their excavator was built from a 1970's Meccano Magazine but beefed up! It had simulated hydraulics. Lastly they had a nine planet Orrery which was very well built with the gearing nicely visible.



**Chris Shute** showed us an ongoing project to produce a group of miniature robotic dancers. This model is designed to use minimal brassware and no gears. The figures move in unison and are built from modern Meccano parts. Cranks driven from a cassette player motor activate their dance.

**Geoff Wilson** had a delightful collection of models consisting of a F1 racing car from the Marks and Spencer special set and finished in black, silver and orange. A helicopter based on the USAAF gun ship and finished in black silver and orange and a swept back wing version of a modern



**Rob Miller** had a collection of the smaller RC tuning cars of the non flashing light and non musical variety in various colours Green/ Red and grey.



**John Palmer** had produced a Volvo truck with low loader trailer, the model was finished in red and green parts and incorporated steering, differential and gear box. John's second model was a cargo liner built from the June CQ, this model includes 6x4 drive, steering, opening doors, gear box and differential and again is finished in red and green .



**Daniel Naylor** brought two very nice models, one of a "Singer" style sewing machine. This was battery operated and was driven by belt and gear wheels. The second one was a battery operated rear wheel drive differential mechanism as fitted to some modern day cars. This was built from donated and reclaimed parts.



**John and Joyce Sleaford** had a turntable with twelve small models. The following completed their display 1) A two seater car from the mechanical workshop set. 2) A F1 car from Marks and Spencers. 3) A small toy locomotive from CQ, 4) A Sopwith camel from M&S and 5) A quad bike built with the new flexible parts.

**Peter Sleaford** had built a Meccanograph from CQ, an interactive Meccanograph and nine red arrow aircraft in diamond nine formation.

**Steph Sleaford** had a nice selection of small models as well as two radio controlled models and very nice flying machine from a Crazy Inventor's set. Well done Steph!

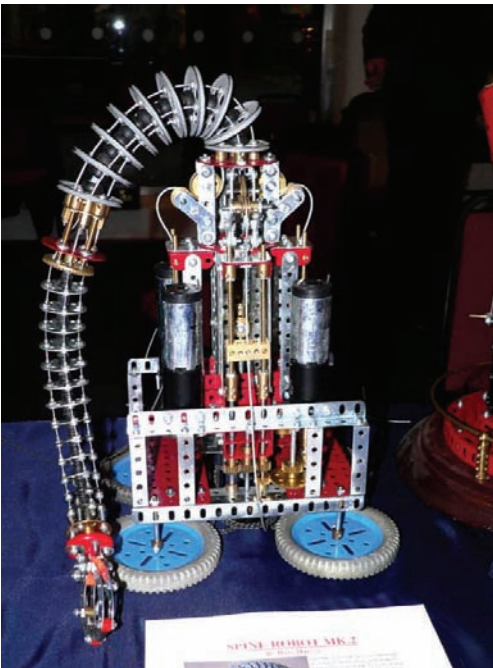
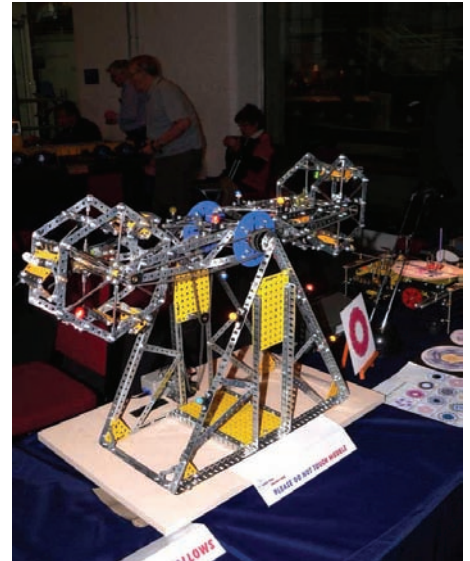


**Dave Harvey's** display included an original design impulse inching clock using a unique double acting ratchet. It included an hourly chime. Dave's account of this model was featured in CQ77. The Konkoly designed ultra slim variograph was published in the Runnymede Meccano Guild magazine, it is different in that it produces non-symmetrical patterns. Dave also treated us to a sneak preview of his unique Spine robot mkII model....a four axis flexible arm robot. Dave also showed his vertical boiler steam engine and also an Arnfield clock in Dave's unique blue livery.



**Mike Fallows** brought along several eye-catching masterpieces including two of his much admired and faultless Meccanographs. Mike also showed a lovely double Ferris Wheel which whizzed around with brightly lit illumination, greatly enhancing the model in the low light of the engine shed, Mike also had a Meccano mechanisms display board which showed off various methods of transmitting

A steam wagon chassis was the offer of **Matt Goodwin**, the first we have seen of this model at TIMS. Matt unfortunately did not leave us much information to go by, so we will allow the photograph to do the model justice. We look forward to seeing more of this growing model in the future!



Lastly we would like to thank **Dave and Marylyn Taylor** for supporting us with their feast of Meccano parts and sets and all the effort that goes into setting up a stand like theirs'.

