

**과학상자 JEIL Again** Until now the last news of this South Korean system was in 1998 (see 19/554 & earlier). This update started with a set offered on a New Zealand auction site, a No.6 in a hinged box similar to the larger ones right. The main name on its label was in Korean, as in the title above, and on the Sets 1-6 reviewed in OSN. It translated (all translations thanks to Google or Bing) as Science Box.

Under the name was a Korean web-site: [www.jeilsience.co.kr](http://www.jeilsience.co.kr). It has a history of the system, some details of the sets, often with their contents, and a list of all the parts in the main outfits. Also, many of the manuals can be downloaded.

**The History.** 1982. Jeil Precision Industry Co. Ltd was involved in government-funded R&D under the Ministry of Science & Technology Research Institute & the Korean

Association of Machinery. This led in 1983 to the launch of Science Boxes 1-5, and in 1993 to Box 6. Then Robobox sets appeared in 2007; 'after school' Science Box sets in 2016; & 'Science Box model block program (coding) for the development of a smart Board for sale' in 2017. The sets are sold by the Science Box Co. Ltd.

Along the way there was a 'strategic partnership agreement' with a Beijing 'resell co.' in 2014, and since then there have been regular model competitions.

**The Science Boxes.** Nos.1-3 & 5-6 are shown in Fig.1. The range is completed by a 'Next' set in the same packaging as the 5 & 6, but with a purple label. No details, and no mention of a No.4, originally the Army set.

The Parts List has items up to #177 with some additions to those in the OSN 19 No.6 manual, & a few parts have disappeared. But most changes relate to new electrical/electronic parts of one sort or another. Individual parts can be bought online.

Where comparisons of set contents with earlier outfits can be made Set 3 has some changes but overall is much the same, No.5 is larger with more parts & additional types, while the No.6 has pluses & minuses, a few new parts, but only 185 Bolts against 250.

The models in the later manuals are new with most, as for the original No.6, distinctly different in style compared with those for the original MECCANO-like Sets 1-3 & 5. They include more Robots: 3 of the 6 models in the No.5, and 2 of the 6 for the No.6. The other No.5's are a Helicopter, a Racing Car, & a Frog. All fair models especially mechanically but perhaps a little 'clunky' in appearance. The No.6's are a Mobile Catapult, a Missile Launcher, and the Figs.2 & 4 models. The Tower Crane has a hoist Motor, and one to raise & lower the inner tower by a Sprocket on a Chain, steadied by cords. The Queen Ant's one Motor drives the legs, head, wings, & tail, all together. A video shows it in action.

**The 13 Robo Sets.** 9 are various, smallish 'Robots', remotely controlled or with that capability. The other sets are a Robot Controller Kit RS; a Robot Control Kit R7 in a Set 5/6 style box with a black label at each end; & two sets called Big Storm & Eagle Fighter. These are single model sets for the Tank in Fig.6 (taken from the box lid) & the Helicopter in Fig.7. The Tank is radio controlled, & has a Motor for each track. The turret rotates by hand but the gun doesn't elevate. Nor despite the lid does it fire (or even go bang). The Helicopter has a Motor driving the main & tail rotors, plus nose guns & a hatch behind the rotor which can be moved by hand.

**Coding Boards.** These are circuit boards with components to allow control/programming of motors, etc, etc.

**More Sets** are shown as follows. • **Science Box** Levels 1-4, listed as Instructional Material. The lids, with, unlike other sets, the name in English, each shows a small, simple, vehicle or mechanical model, except Level 3 (Fig.3) which has the Lion from the the set's 8 models. The others are 5 other 'Animals', a Bird, & a Flower, all Motor driven. • **6 Basic Model Sets** for small but interesting single models including the Rubber Band Gun in Fig.5. It is labelled 'Hit'.



Fig.1

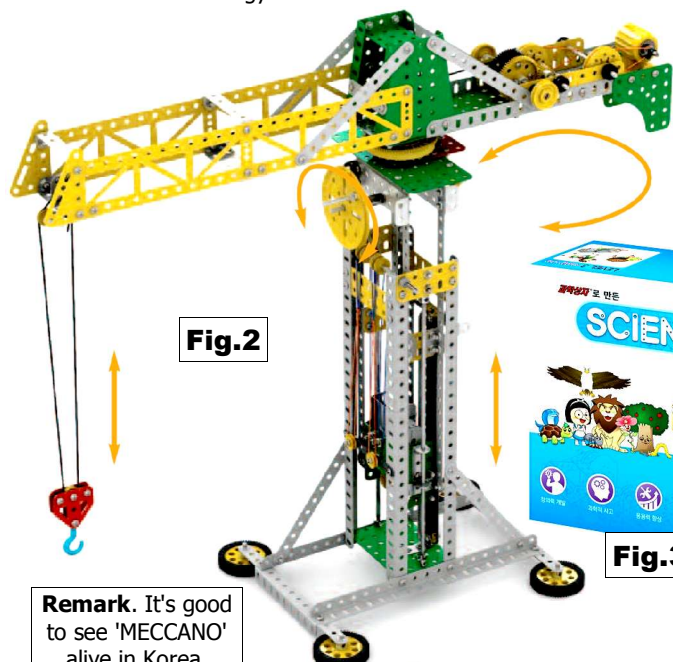


Fig.2

**Remark.** It's good to see 'MECCANO' alive in Korea, encouraged by the government, & still being developed.



Fig.3

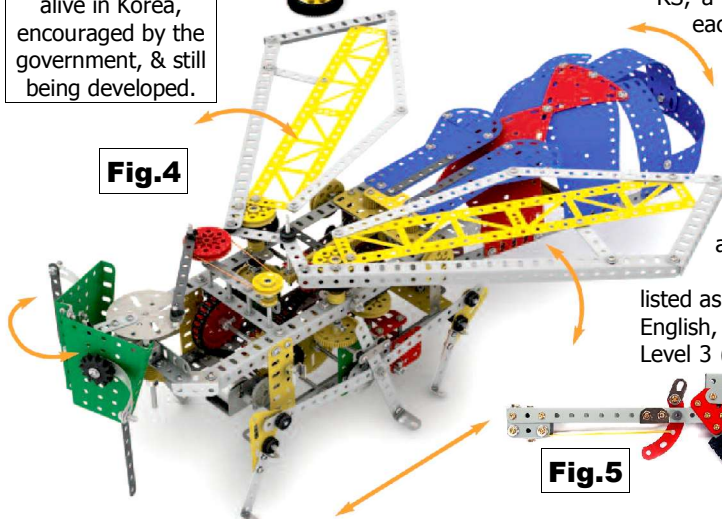


Fig.4

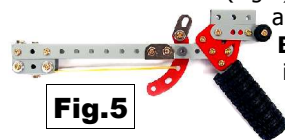


Fig.5



Fig.6

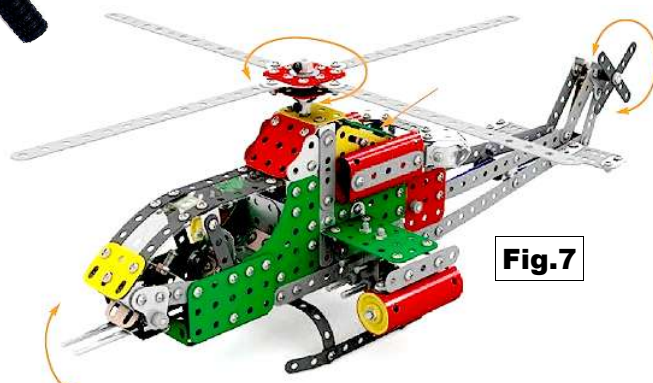


Fig.7