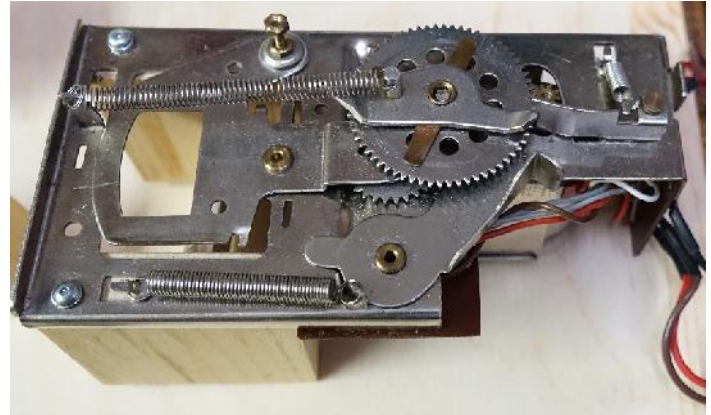


## A 1950'S SINGLE CHANNEL MOTOR CONTROL AND STEERING DEVICE

This ingenious device was manufactured by The Arnold Company in West Germany during the late 50's and early 60's. The Arnold Company was well known as a manufacturer of fine tin toys



Sold in Europe by Johannes Graupner as the "KINEMATIC"



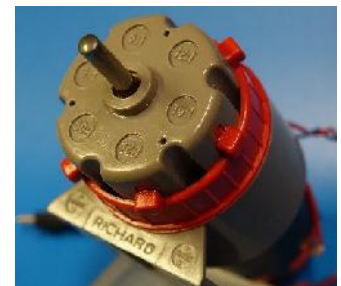
ARISTO-MATIC ACTUATOR

Sold as the **Aristo-Matic Actuator** by the North America importer and distributor, Aristo Craft Distinctive Miniatures of Newark, New Jersey.

Using a single channel radio transmitter and a single channel receiver equipped with a relay output this controller could provide Right, Center & Left steering, Motor Forward, Motor Stop and Motor Reverse. They were typically used in either a boat or a slow moving car where there was not enough room for a rubber driven escapement. The actuator required a 3 volt to 4.5 volt battery.

The transmitter had an on/off switch and only one button for control signals.

A quick press and release would activate the motor, with any luck it would go forward. The next quick press and release would stop the motor, another quick press and release would result in motor reverse. To stop another quick press and release of the button was required. To make a turn while the motor was running you would press and hold the button, it may go left it may go right! Releasing the button would return the vehicle to straight ahead. The next press and hold would give you a turn in the opposite direction of the last turn – sometimes. If not, simply press and hold again!



This Marx Richard Gear Motor had several unique features such as a forward, off & reverse switch and a built in gearbox with 6 gear ratios. The red ring on the gear case could be turned to the selected ratio setting a speed suitable for the vehicle it was installed in. The forward, off and reverse functions of this motor would be remotely controlled by the actuator above . This motor required a 6 volt battery.