

# Citizen-Ship RADIO CORPORATION

FORMERLY VERNON C. MACNABB COMPANY

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## INSTRUCTIONS FOR USE OF

### PSN OR SE ESCAPEMENT IN RADIO-CONTROLLED PLANES

Your Escapement is primarily designed to control the rudder of a free flight radio controlled airplane.

The electrical wiring is shown in the CITIZEN-SHIP receiver instructions. Battery voltage required to operate the Escapement is 3 volts and is ideally supplied by two 1-1/2 volt pen cells in series. The PSN & SE Escapements will operate reliably as low as 1-1/2 volts.

Methods of installing Escapements in planes for rudder control have been illustrated in back issues of all of the leading model magazines. If you do not have them in your possession, the larger city libraries have them in their files.

The attached drawing shows the most common method of connecting the rudder to the Escapement through a linkage. The Escapement may also be moved forward in the airplane and reversed 180 degrees, thus allowing the rubber drive to be wound from the tail using this same linkage arrangement. A different and probably more convenient arrangement is the use of Citizen-Ship Bell Crank and Rudder Horn. Ask your dealer to show you these units. Instructions are packed with them.

The Escapement should be powered by one closed loop of either 1/8" or 3/32" flat rubber.

The PSN Escapement is a sequential device and moves the rudder - for example: neutral - right - neutral - left - and then repeats.

The SE always starts from a single neutral and has a time delay - so, as an example, one transmitter on impulse always gives right rudder and two rapid impulses give left rudder.

