

NOTES ON MULTI



Picture shows the third of the series of test airplanes used for the experiments; plan, next page. Babcock system detailed in Part Three.

► Although the purpose of these articles was to record findings in multi-control, a by-product was three airplane designs. Third is of interest. Mark III has adequate area. Babcock three-channel receiver, Bonner trim-servo, Babcock compound for rudder, engine. Bramco throttle. NACA 2412 airfoil enhances maneuverability, helps ship stay where trimmed.

With Babcock, five intermediate batteries, K-45 B battery, weight, 7.5 lb.; wingloading, 18.5 oz.; powerloading, 342 oz. Plenty of power on .35. Fuel consumption high for rich-mixture low speeds: several Walker tanks needed. On Bramco throttle, two tanks placed in belly would be adequate. Battery complement is heaviest combination because of testing problems: could be lightened. Batteries behind firewall, receiver forward of CG, so be careful of changes. Rear fuselage, tail can be lightened for balance; actuators, etc., moved into forward half cabin if radio leaves room.