

# CHAMPIONSHIP TECHNICALITIES

## ZURAD'S WAKEFIELD

Stanislaw Zurad of Poland shot up to second place with his Wakefield with almost the last flight of the meeting, using his reserve model with wing mounted under fuselage longeron. He used 14 strands of 1/4-in. Pirelli wound to 460 turns. Notable points of his two designs are jack-knife fuselage (for motor access) which hinges right back on itself, detachable fin, drooped trailing edge airfoil and magnificently constructed props, with dowel section roots. All material except piano wire had been supplied by Polish friend in England!

## HAJEK'S RAKETA 5

Vladimir Hajek of Czechoslovakia is a perfectionist and his design incorporates many ingenious devices which have been the subject of prolonged experiment. The model is generally known as the "Factory" and is the Mk. V of his famous "Rocket" family. Tailplane incidence varies two degrees, thirty-five minutes and is altered one second after the motor cuts. The engine is 1956 type MVVS with tank mounted over crankcase and intake at ninety degrees to engine cylinder. Pylon incorporates a 5 1/4-oz. lead sheet to meet the weight rule requirements, and spruce is used extensively. There appears to be no aerodynamic reason for the off-set wing pylon, but this does simplify construction in not interfering with an internal longeron.

## BAKER'S THIRD PLACE POWER VH 704

Fastest flying model in the Championship, this Oliver-powered model has yet to reach its full potential and had not been perfected in power trim in spite of its high placing. Both tail and rudder are tripped by the timer to alter from power to glide trim, the tailplane being moved in two dimensions affecting incidence and tilt. Baker's streamlined fuselage construction, also used on his Wakefield, provides immense strength for light weight, needing ballast to meet F.A.I. requirements.

The 3/32-in. sheet is dampened, and applied in two halves around a turned obechi forme, then, when pylon and other structure are added to the shells, the nose receives a glass fibre pan and engine mount. The prop. is hand carved from brown fibre, 8 1/2-in. diameter, 4-in. pitch with thin blades. Not clear in the drawing (bottom right) is the decorative pattern in Bond's choice of Nylon covering—definitely best "underwear" grade !!

