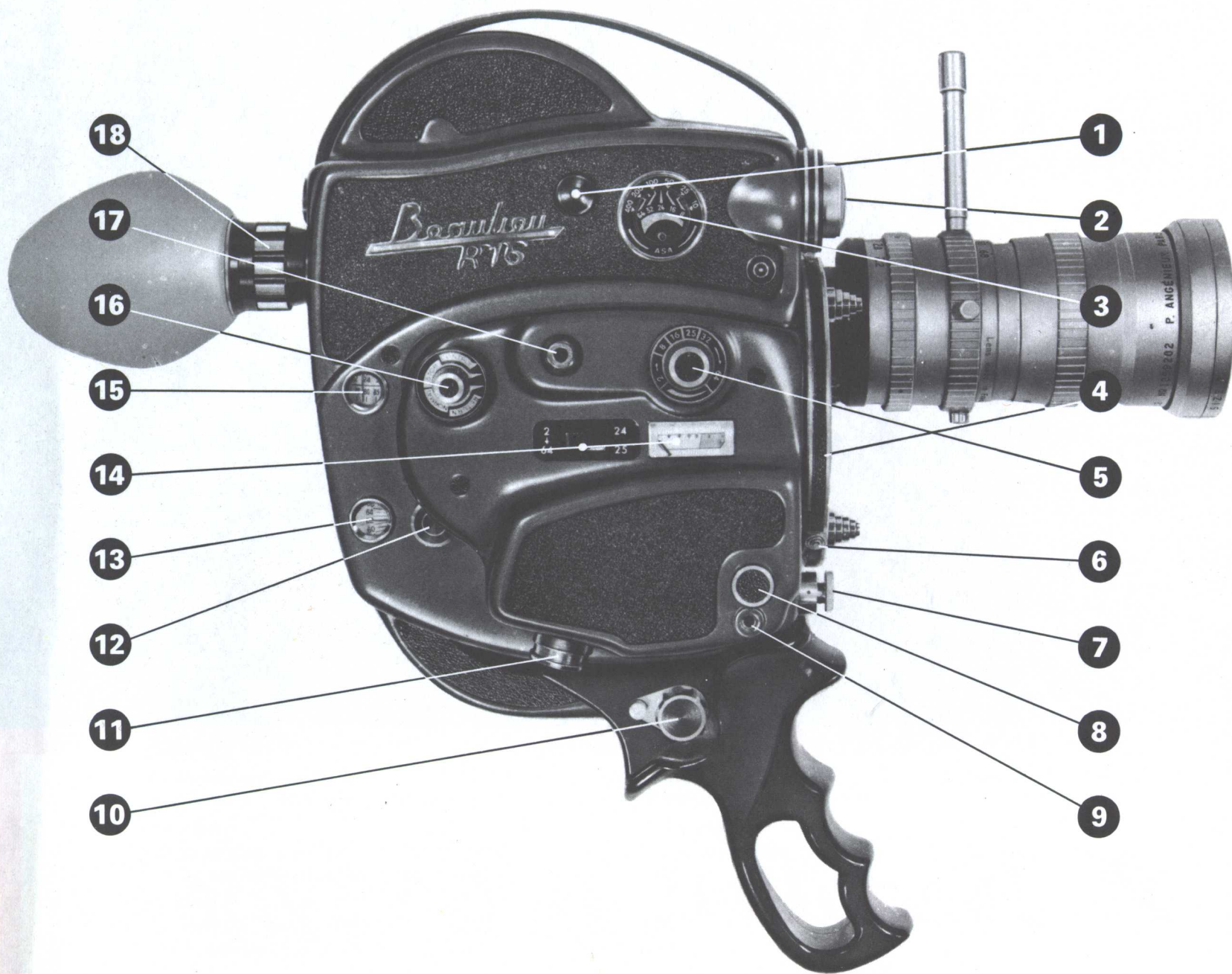


 *Beaulieu* R 16 «Sync»





- 1 **Lightmeter battery check button** with control needle in viewfinder.
- 2 **Lightmeter battery housing**
- 3 **Film speed setting** 10 to 400 ASA
- 4 **Lens turret** (2 models : 3 lens revolving turret and single-lens special zoom plate).  
Will take :
  - Any 16 mm "C" mount lens
  - Most 24 x 36 still camera lenses (using Beaulieu adaptor rings)
  - Beaulieu extension tubes for macrocinematography.
  - Beaulieu adaptor rings for microcinematography
- 5 **Filming speeds : from 2 to 64 fps.** Electronically regulated motor guarantees constancy of selected speed.
- 6 **Turret locking pawl**
- 7 **Trip press-button** with locking device for continuous filming.
- 8 **Soud synch extension socket** (1 rev. per frame)
- 9 **Single-frame release socket**
- 10 **Grip handle fixing nut**
- 11 **Electric power supply socket**  
for connecting :
  - either the cadmium nickel pocket battery (charge life : 6 to 8 films)
  - or the long-life cadmium-nickel battery (charge life : 20 to 30 films).
 These batteries can be mains charged with the Beaulieu charger (110 or 220 v. mains).
- 12 **Frame counter zero reset**
- 13 **Frame counter**
- 14 **Tachometer and switch** for accurate setting of speeds (in particular sound speeds of 24/25 fps).
- 15 **Footage counter**
- 16 **Master switch**  
Four positions :
  - control : for battery check
  - stop : current off
  - normal : normal filming
  - return : reverse filming.
- 17 **Remote-control release**
- 18 **Eye-piece focusing ring** for individual eyesight correction. Essential if the best use of the X10 Beaulieu ground-glass reflex viewfinder is to be made : brilliant viewing image, accurate focusing and perfect framing.

# *Beaulieu* **R 16 «Sync»**

## **NEW IMPROVEMENTS FINER PERFORMANCE**

The merits of the Beaulieu R 16 Electric cine-camera have earned it the distinction of again and again being chosen for new technological uses : experimental science, television, and research in the fields of space, physics, military science and industry.

Calling as they do for ever stricter standards, these applications have spurred Beaulieu to the greatest efforts yet in the field of precision engineering, with all the refinements present advances in mechanical and electronic miniaturization can achieve.

Such was the genesis of the R 16 "Sync". The "Sync" retains the outward appearance of the R 16 Electric - and, of course, all its fundamental qualities. But it also has new performance possibilities : a dual electric system, electronic regulation of the motor to a degree of stability never before achieved, a new speed selector and "professional-sound" synchronization, whence its name "Sync".

All these new characteristics mean that, now more than ever, the Beaulieu "Sync" is the ideal 16 mm camera for the enthusiastic amateur picture-hunter, just as it is for the professional newsreel or TV reporter, and for all scientific and technical purposes.





*Beaulieu Synchro-pilot*

#### **"Professional-sound" electronic regulation**

This is an entirely new transistorized regulating system, covered by Beaulieu patents. The film-speed stability it ensures is the most accurate to date. With this astonishing regulator, sound-recording is problem-free: the Beaulieu Synchro-pilot, connected to a tape-recorder with a synchronization head, can be directly fitted to the camera's mechanical sync connection. When the

complete apparatus is thus set up, it forms an amazingly light - weight, easy-to-handle picture-cum-sound recording outfit.

#### **Speed selector**

The inverter fitted to the "Sync" doubles the tachometer's possibilities. Set to 24/25, it reduces the tachometer's scale range, making it possible instantaneously and accurately to lock in on 24 or 25 fps sound speeds. Set to 2 - 64 fps, the tachometer comes back to its initial scale covering the whole range of filming speeds.

#### **Beaulieu Synchro-pilot**

This is an alternator driven by the camera motor and connected by cable to the tape-recorder's sync head. When the camera is running, it generates a current which, once recorded on the magnetic tape, ensures easy, perfect sound-image synchronization. Its role is thus that of a synchronizer.

50- and 60-cycle models exist, to meet the requirements of the AC mains cycle according to the country in which final synchronization operations are carried out. The Beaulieu "Sync" cine-camera comes with a wide range of accessories and optional items: all types of "C" mount lenses, adapter rings for 24 x 36 mm lenses and for micro- and macro-cinematography, cadmium-nickel accumulators, detachable "hold" strap, carrying cases, etc.

### **The "Sync" - a technical profile**

#### **Optical :**

3-lens rotating turret, or fixed mount for zoom-type lenses.

#### **Viewfinder :**

high-luminosity reflex, using a mirror set at 45° on the guillotine-type shutter. 10 X image magnification.

#### **Photocell :**

high-precision CdS cell built into the viewfinder system. Indicator needle in the viewfinder.

#### **Speeds :**

electronically regulated from 2 to 64 fps. Eight calibrated speeds: 2, 4, 8, 16, 24 or 25, 32, 48 and 64 fps.

#### **Counters :**

Footage: graduated in feet and in metres.

Frame: graduated from 0 to 100.

#### **Trip control :**

normal, continuous or frame-by-frame; or remote-controlled by cable or by radio.

#### **Sound :**

Synchro-pilot mechanical connection (1 rev. per frame). Film load: 50 and 100 ft reels.

**Weight :** 4 lbs 6 1/2 oz without lenses.

**Beaulieu**