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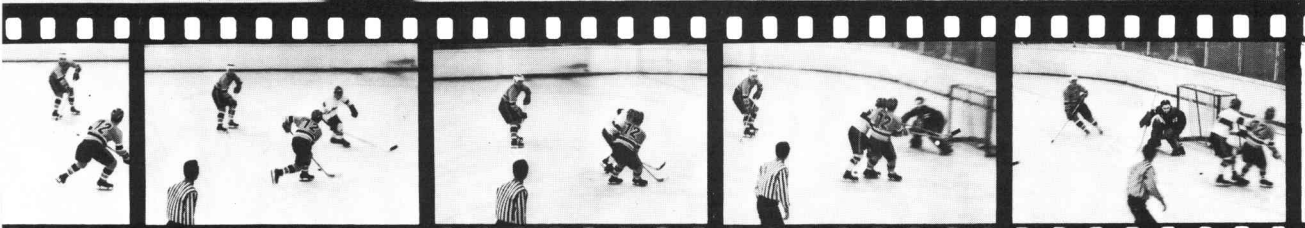
**[back to my "Orphancameras" manuals /flash and light meter site](#)**

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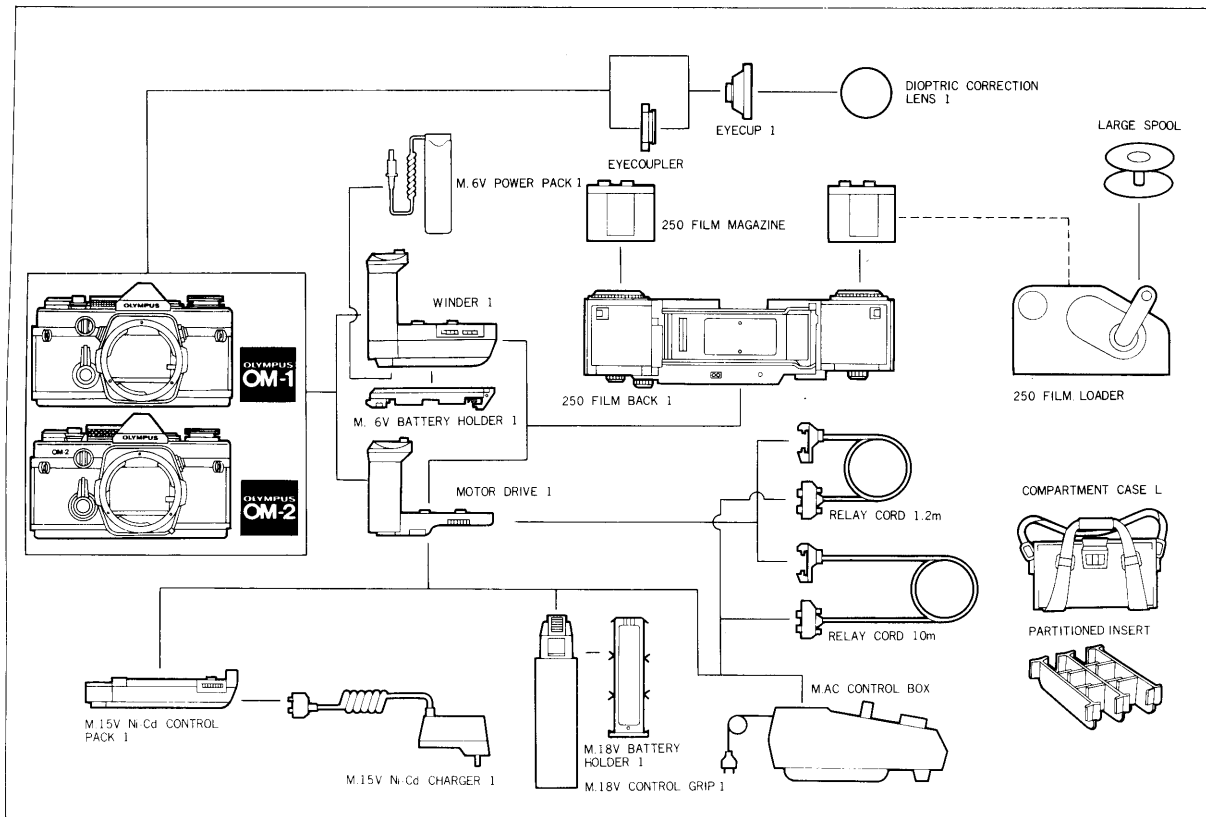
**The large manuals are split only for easy download size.**

Designed specifically to match the OM camera body, the Motor Drive Group has been reduced in size to enhance its maneuverability and ease of operation. The Winder 1, which operates on self-contained batteries, and the basic combination (Motor Drive 1 + M. 18V Control Grip 1, or Motor Drive 1 + M. 15V Ni-Cd Control Pack 1) are designed to be the smallest in the world. Each of the handgrip type winder and motor drive, the pistol type control grip and the flat type rechargeable power unit provides a built-in shutter release button so that the photographer can hand-hold even a 300mm telephoto lens for shooting sports or other action subjects. A 250 exposure roll film back and other units attach to the OM camera body without cords. This Motor Drive Group is also a convenient accessory when used with other groups for macrophotography, photomicrography, etc. A remote control mechanism is also available for a series of exposures taken intermittently in conjunction with the M. AC Control Box, or a series of exposures with bulk films.





# OM CHART OF MOTOR DRIVE GROUP



### ■ Winder 1 (with M. 6V Battery Holder 1)

Fixed directly to the camera base tripod socket, the Winder 1 functions integrally with the OM camera body to perform single frame shooting.

The unit winds the film in approx. 0.3 sec. as soon as the exposure is made, whenever the shutter release is pressed.



Operating on self-contained 4 AA Alkaline batteries, it is capable of powering approx. 50 rolls of 36-exposure film. Size: 130 × 64 × 100mm (5.12 × 2.52 × 3.94 in.) Weight: 290g (10.2 oz.) (less batteries)

### ■ M. 6V Power Pack 1

This pocketable power unit (4 AA batteries) connects to the Winder 1 via

### ■ Motor Drive 1

The basic motor drive unit that forms the foundation of the group. Fixed directly to the camera-base tripod socket together with the power supply, it functions integrally with the OM camera body. Operating on various power sources such as penlight batteries, Ni-Cd batteries, or AC, it is capable of



single frame shooting and sequential filming of 5 frames per second.

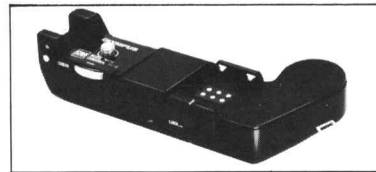
Size: 116 × 82 × 66mm (4.57 × 3.23 × 2.59 in.) Weight: 210g (7.4 oz.)

a 1.2m cord. Warmed by photographer's body heat, permits operation in temperatures as low as  $-10^{\circ}\text{C}$  ( $14^{\circ}\text{F}$ ).

### ■ M. 18V Control Grip 1 (with M. 18V Battery Holder 1)

A power supply that accepts 12 AA Alkaline or Ni-Cd batteries. Can be attached quickly to the Motor Drive 1. Complete with a built-in release button, single and sequence selector switch and release lock lever.

Size: 136 × 87 × 32mm, Weight: 160g (less batteries)



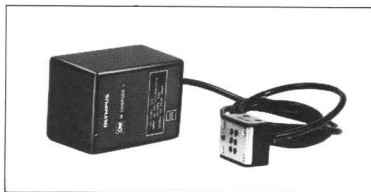
### ■ M. 15V Ni-Cd Control Pack 1

This is a flat-type rechargeable power unit equipped with a special built-in Ni-Cd battery to power the Motor Drive 1, and provides maximum continuous filming rate of 5 f.p.s. as well as the single release capability.

Size: 129 × 35 × 67mm, Weight: 260g

### ■ M.AC Control Box

AC transformer for use with household current. Incorporates a selector switch between single-frame operation and sequential exposure operation, a terminal for the relay cord and a timer for exposures in intervals from 4 frames per second to one frame every 120 sec.

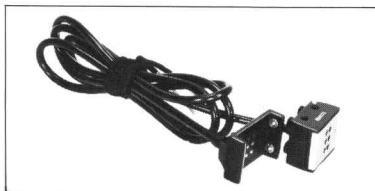
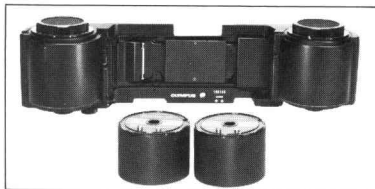


### ■ M.15V Ni-Cd Charger 1

This unit is necessary to charge the M.15V Ni-Cd Control Pack 1. By charging for about 4 to 5 hours, the Control Pack is capable of powering sequential filming of 40 rolls of 36 exposure films.

### ■ 250 Film Back 1, 250 Film Magazines

Can be quickly attached to the OM Body in place of the standard camera back, and used with the Motor Drive 1 or Winder 1 for roll films up to 250 exposures (10m or 32.8 ft long). Two Magazines are necessary, one magazine holds the bulk film and a second magazine is used as a film take-up.

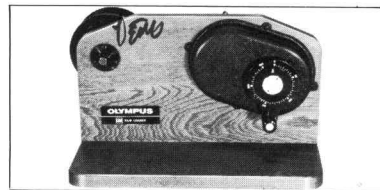


### ■ Relay Cords 1.2m and 10m

Extension cords for remote control; one is 1.2m (3.9ft), the other is 10m (32.8ft).

### ■ 250 Film Loader

This unit is used in the darkroom for loading the 250 Film Magazine from 33m (100ft.) bulk film rolls. A built-in mechanism automatically stops loading at preset film lengths.



### ■ Compartment Case L ■ Partitioned Insert

The Compartment Case L is a hard dual-purpose shoulder or hand-carried case with two adjustable partitions. Capable of holding the Motor Drive set by use of the optional partitioned insert. (p. 70)

The viewfinder is one of the most important features of a single lens reflex camera. Since every photographic subject is turned into a visual image by means of the finder, a finder that is dark or difficult to look through is an obstacle to good photography. However enriched an SLR camera is with a wide range of interchangeable lenses, the SLR cannot be expected to fulfill its essential function without the provision for changing of focusing screens. The OM-1 is provided with a viewfinder that offers a far brighter, larger image than conventional 35mm SLR cameras. The Finder Group supplements this basic advantage with a comprehensive set of 13 focusing screens for a wide variety of applications from photomicrography to astrophotography. Unless the most suitable focusing screen for given photographic purpose is available, the potentialities of a system camera cannot be utilized. For fast, accurate focusing, the OM System Finder Group offers the unique Varimagni Finder with a magnification selector, the Eyecup 1 that accepts a variety of Dioptic Correction Lenses, Eyecoupler, etc.

### ■ Varimagni Finder

This unique and exclusive unit for the OM System combines the two functions of angle finder and magnifier, incorporating 9 lens elements and a reflector. It fits over the camera's eyepiece, and can be adjusted for individual eyesight. Its eyepiece tube is rotatable through 360°,



for use in low level and 90° angled shots. The two-stage, one-touch switching system offers both a 1.2x magnification image covering the whole screen, and a 2.5x enlargement of the central portion for critical focusing. For photomicrographic use, insert the Eyecoupler between the camera and Varimagni Finder.

### ■ Eyecup 1

Attached by sliding over the OM Body eyepiece. With its attached rubber hood it prevents stray light from entering through the eyepiece, an essential requirement in light measuring. The Eyecup 1 is provided with a slot to accept a dioptic correction lens.



### ■ Eyecoupler

Connects the Varimagni Finder to the OM Body for photomicrography. It also ensures full coverage of the bright viewfinder field for use of the Eyecup 1 in conjunction with the Motor Drive 250 Film Back 1.

## ■ Focusing Screens

Interchangeable Focusing Screens are often thought of as a luxury feature in 35mm photography. Yet the Standard Focusing Screen 1-13 is often inconvenient or difficult to use, and in some circumstances it is quite unsatisfactory. With super-telephoto lenses for instance, the micropism becomes excessively dark. With the high magnifications of macro-photography and photomicrography, it is impossible to focus.

The feature of each Focusing Screen is listed at right. The 1-1 and 1-3, suitable for general photography, are particularly advantageous when taking a subject with vertical lines. The 1-5 is ideal for the snap-shooters using a wide angle lens. The 1-4 and 1-7 are designed for super-telephoto lenses and 1-4, 1-10, 1-11 and 1-12 are for close-ups, macro-photography and photomicrography. The 1-5, 1-6, 1-7 and 1-9 are not used with the exposure meter built in the camera.



## ■ Dioptic Correction Lens 1

Available in 8 diopter corrections: +2, +1, 0 (for hypermetropia); -1, -2, -3, -4, -5 (for myopia). Used to correct the photographer's vision, and especially necessary in fine focusing for high magnification. Fits into the Eyecup 1.

TYPE	FEATURES	TYPE	FEATURES
<b>1-1 Micropism-matte type</b> (for most lenses)	Standard type, suitable for general photography. Fast and accurate focusing is done on the central micropism spot as well as on the surrounding matte area. When a lens with a maximum speed of F8 or slower is used, the micropism darkens and focusing must be made on the matte area. The meter needle indicates proper exposures.	<b>1-8 All matte type</b> (for telephoto lenses & astronomical telescopes)	This screen is ideal for use with super telephoto lenses of 300mm or more in focal length, or for astrophotography. The extreme fineness of the matte surface permits outstanding field definition. More accurate focusing may be achieved by the use of the Varimagini Finder.
<b>1-2 Micropism-matte type</b> (for standard & telephoto lenses)	Suitable for general photography in conjunction with a standard or telephoto lens. Focusing is done on the micropism spot as well as on the matte area. When a lens with a maximum speed of F8 or slower is used, the micropism spot darkens. The meter needle indicates proper exposures.	<b>1-9 Clear field type</b> (for endoscopic photography)	Designed for use with OLYMPUS fiberoptic endoscopes. This condenser type screen without fresnel lens requires no focusing when a special adapter couples the camera with the fiberscope. Exposure is made automatically by the light supply.
<b>1-3 Split image-matte type</b> (for most lenses)	Suitable for general photography ensuring critical focusing, and ideal for photographers who prefer the split field and coincidence type focusing. When a lens with a maximum speed of F5 or slower is used, the split prism darkens. The meter needle indicates proper exposures.	<b>1-10 Checker-matte Type</b> (for Shift lens)	The reticule engraved on the all-matte surface is used for vertical and horizontal picture alignment. Though originally designed for architectural photography with the Shift lens, it is also suitable for general and super-telephotography, and close-up/macrophotography with macro lenses and Auto Bellows.
<b>1-4 All matte type</b> (for most lenses)	Suitable for general photography and ideal for photographers who prefer a view field free from micropism or split prism and for those who are accustomed to focus using matte area. Also suitable for super telephoto photography and close-up photography in conjunction with macro lenses and Auto Bellows. The meter needle indicates proper exposures.	<b>1-11 Cross hairs-matte type</b> (for close-up & macro-photography)	Highly advantageous for close-up and macrophotography with Auto Bellows and extension tubes. For focusing in low magnification close-up photography, use this matte area, and in macrophotography greater than life size, use the double cross hairs the same way as with the 1-12. The meter needle indicates proper exposures, but depending on the conditions of the specimen, the reading must be compensated for.
<b>1-5 Micropism-clear field type</b> (for wide angle & standard lenses)	This transparent screen provides an exceptionally bright finder image. Highly suitable for snapshots using wide angle lenses. The lack of matte surface means depth-of-field effects cannot be ascertained. The meter needle does not indicate proper exposures, because its movement varies depending on the lenses used.	<b>1-12 Cross hairs-clear field type</b> (for photomicrography & macrophotography greater than life size)	The transparent screen usually the photographer focusing with an offensively bright finder image. To focus, first correct your diopter using a dioptic correction lens or Varimagini Finder so that each line of the double cross hairs can be seen clearly and separately. Then bring the specimen into focus. The meter needle indicates proper exposures, but depending on the specimen's conditions, the reading must be compensated for.
<b>1-6 Micropism-clear field type</b> (for standard & telephoto lenses)	This screen provides an extremely bright finder image. Focusing is done on the micropism spot. The lack of matte surface means depth-of-field effects can not be ascertained and the meter needle does not indicate proper exposures.	<b>1-13 Micropism/split image-matte type</b> (for most lenses)	Most suitable for normal photography, this screen assures pinpoint focusing. The central split-image rangefinder is encircled by a micropism collar. Since the outer area has a matte surface, the screen can be used in the same way as the standard 1-1 and 1-3 Screens. When a lens with a maximum speed of F5.6 or slower is used, the prism darkens and the focusing must be made on the matte area.
<b>1-7 Micropism-clear field type</b> (for super telephoto lenses)	Developed primarily for use with super telephoto lenses, this clear field screen provides an extremely bright finder image. The micropism spot remains bright even with a lens whose maximum speed is F11. The lack of matte surface means depth-of-field effects cannot be ascertained; the meter needle does not indicate proper exposures.		



Flash is your own private "sun" when you take pictures at night, indoors, or daylight fill-in. At the moment of flash, you can even catch the movement of subjects that your own eyes are unable to follow.

At present the OM System Flashphoto Group renders a choice of 3 different flash units, including the Quick Auto 310.

The Quick Auto 310 is the heart of the Group. Small and lightweight, it nevertheless offers high performance — a maximum ASA 100 (in meters) guide number 34 with an angle that virtually covers the picture area of a 24mm super wide-angle lens.

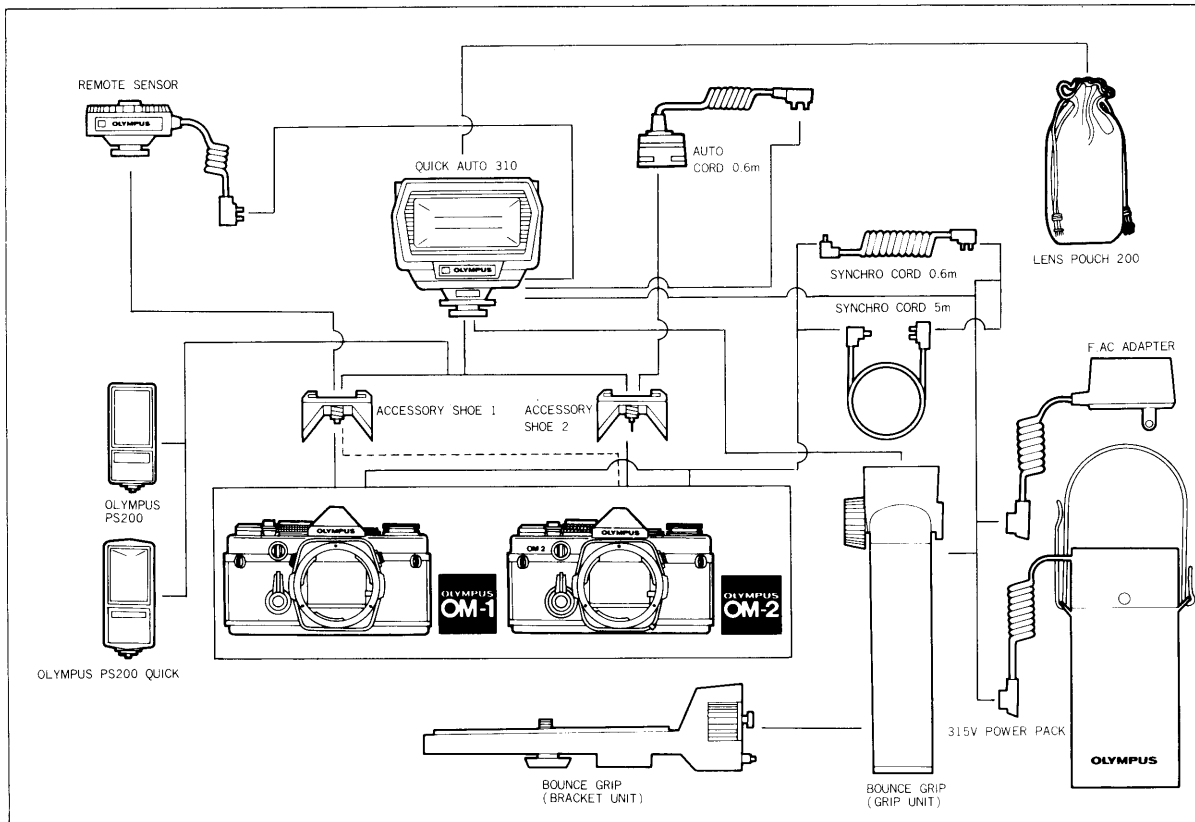
Beside the 3 automatic settings, 2 manual settings are also available in a single dial operation. During manual operation, flash intensity is freely controllable for fill-in lighting in daylight scenes, while the use of the Remote Sensor and Bounce Grip units allows automatic bounce flash.

(The Quick Auto 310 is regulated by the SBC light sensors and electronic brain built into the OM-2 to automatically control the light emission level of the flash unit.) Except at TTL Auto setting, it functions in the same way as normal autoflash unit.





# CHART OF FLASH PHOTO GROUP

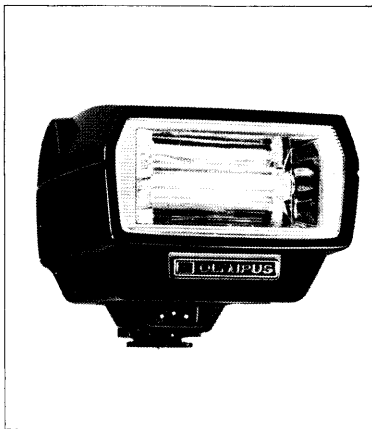


### ■ Quick Auto 310

With a guide number of 34 (ASA 100, meters), this is the most powerful flash unit generally available, offering a wide coverage to give enough illumination over the picture area of a 24mm super wide-angle lens without the aid of a wide adapter.

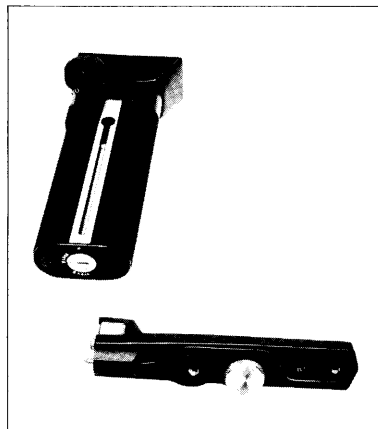
(The Quick Auto 310 employs the world's first "TTL Centralized Control Flash" System: the SBC cells of the OM-2 TTL Direct Light Measuring system work also as a flash-light sensor. The System features: 1) the light acceptance angle accords with the picture angle of individual lens attached to the camera, 2) the ASA film speed and f/stop needn't be set on the electronic flash unit, 3) all f/stops of the lens can be used continuously, 4) the close-distance autoflash range is expanded, and 5) automatic bounce and diffuse flash, and extreme close-up with the Auto Bellows can be readily performed. With cameras other than the OM-2, the flash unit provides ordinary automatic flash capability at F4, F5.6 & F8 (ASA 100). HI and LOW (1/4 power) manual settings are possible. Also incorporates an auto check lamp. Operates off 4 pen-light batteries with any direct contact camera. Can be used together with the Bounce Grip, permitting a choice of various power sources. (Nickel-

cadmium batteries cannot be used.)



### ■ Bounce Grip

This unit consists of the grip and bracket. The bracket can be connected to the grip instantly and slid to a desired position; capable of tilting through an angle of 90°. Four 1.5V C batteries are inserted into the grip to make it a higher-output power source. It also



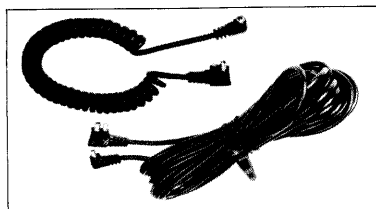
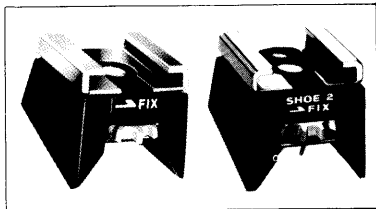
allows automatic flash photography in bounce light in conjunction with the Remote Sensor. (Nickel-cadmium batteries cannot be used.)



# FLASHPHOTO GROUP UNITS

## ■ Accessory Shoe 1, 2

The Accessory Shoe 1 is screwed into the hot shoe socket on the OM Body to provide direct contact with the clip-on type electronic flash. This unit also works as a holder for the Remote Sensor. The Accessory Shoe 2 is for use with the OM-2 and Quick Auto 310.

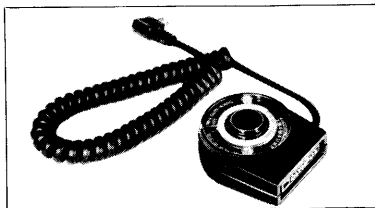


## ■ Synchro Cord 0.6m, 5m

Convenient to use the Quick Auto 310 for direct flash on a cold shoe, or with the Bounce Grip for off-camera flash. The Synchro Cord 5m is for greater off-camera distance than with the 0.6m.

## ■ Remote Sensor

Designed for use with the OM-1, correct flash exposures can always be made no matter what bounce angle is, even when the Bounce Grip is detached from the OM-1, thus easily permitting auto bounce flash.

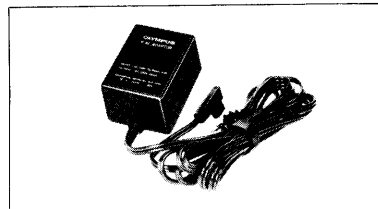
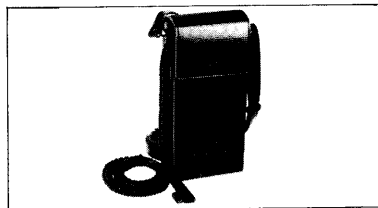


## ■ Auto Cord 0.6m

Designed for use with the OM-2, Accessory Shoe 2 and Quick Auto 310 to perform off-camera TTL auto flash, TTL auto bounce flash (with Bounce Grip), etc.

## ■ 315V Power Pack

A layer-built battery pack to be hung from the photographer's shoulder. The unit generates over 500 flashes at full power flash with short recycling time (approx. 1.5 sec.).

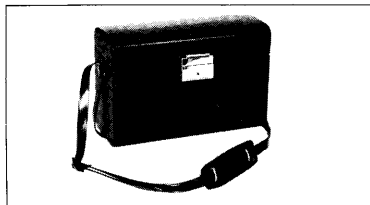


## ■ F.AC Adapter

Plugged into an AC wall outlet, through which the AC household current supplies an almost unlimited number of flashes economically to the Quick Auto 310 and Bounce Grip.

### ■ Lens Pouch 200

Accommodates the Quick Auto 310.

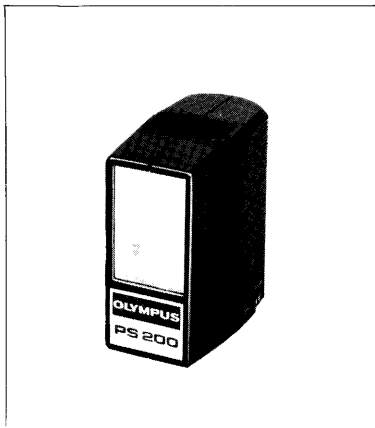


### ■ Compartment Case S

A hard shoulder case with two adjustable partitions, to accommodate the OM Body, Quick Auto 310, Bounce Grip, and Bracket.

### ■ OLYMPUS PS200

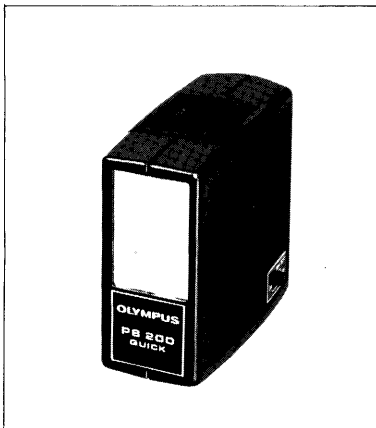
The PS200 operates on two 1.5V penlight batteries for use with all the current OLYMPUS cameras and any other cameras with hot shoe contact. Guide number 14 (in meters) (or 45 in feet) at ASA 80-100. Suitable to daylight type color films. Recycling time approxi-



mates 7 sec. and number of flash 200 times with fresh alkaline batteries. Measures 31 X 55 X 64mm (1.2" X 2.2" X 2.5"), weighing 75g (2.6 oz.) without batteries.

### ■ OLYMPUS PS200 Quick

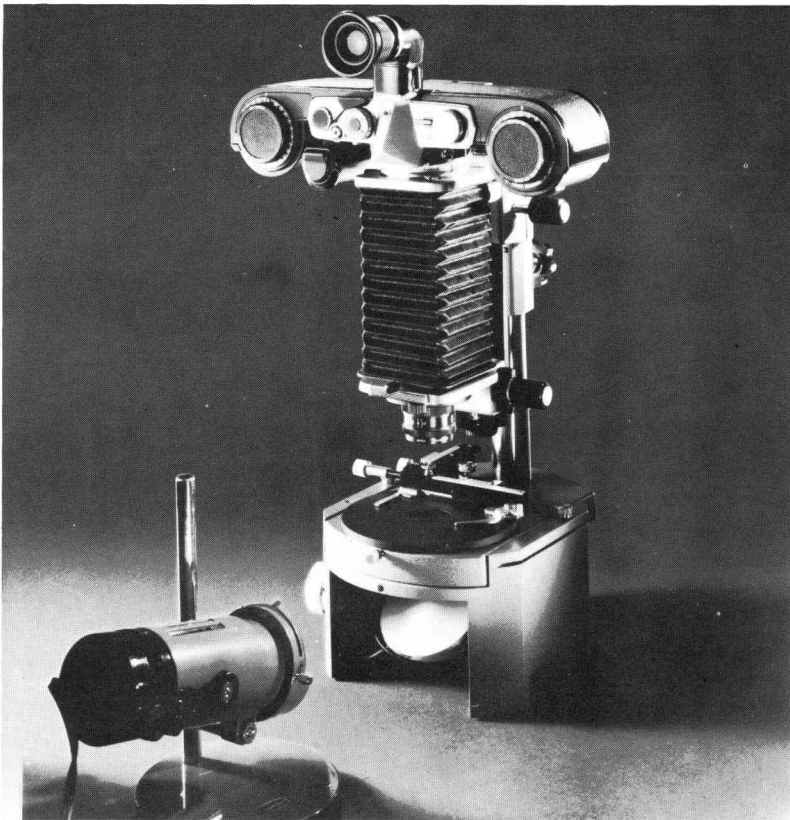
The PS200 Quick is a compact electronic flash unit that operates on four 1.5V penlight batteries (alkaline or carbon/zinc) for use with the hot shoe cameras. This unit features a short recycling time from 2 sec. to 3 sec. Guide number 14 in meters (45 in feet), for



color and B&W films, ASA 80-100. Suitable to daylight type color films. Flash duration 1/1000 sec. Number of flash about 200 with alkaline batteries. Measures 32 X 73 X 71mm (1.3" X 2.9" X 2.8"), weighing 95g (3.4 oz.) without batteries.

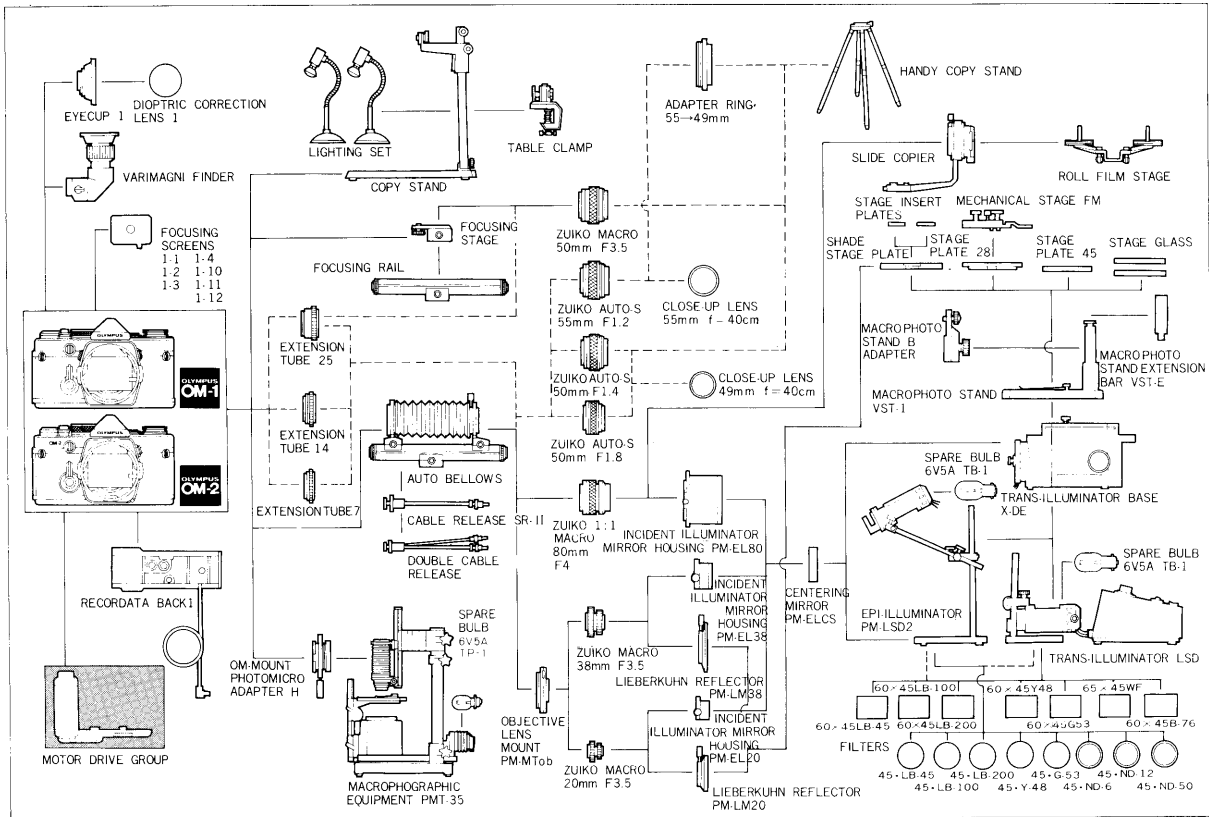
Due to recent advances in macrophotography, it has become possible to pry out patterns and colors of unsuspected beauty in the minutiae of nature. A fast growing number of scientists and amateurs are taking the opportunity to explore the living world around them in a new depth.

The Macrophotography Group of the OM System provides them with all the tools necessary to capture this world of perfection on film, offering a complete range of convenient, high performance system units designed for specialists in the various fields of macrophotography. Starting from close-up photography with relatively simple units such as Close-up Lenses, and Extension Tubes, you can extend your photographic techniques into the macrophoto world with the four Macro Lenses, Auto Bellows, Stands, Adapters, and a large variety of lighting equipment. This Group has no equal in its wide variety of accessories for macrophotography with a magnification range from 1/10X to about 10X and heightens the value of the OM System in pursuit of perfection on film.





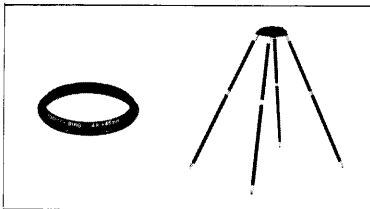
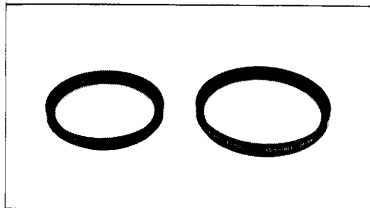




## ■ Close-up Lens 49mm f=40cm

## ■ Close-up Lens 55mm f=40cm

Available in both 49mm and 55mm diameters to fit all suitable OM System lenses. The use of them reduces the minimum focusing distance of a standard lens from 45cm (17.7") to 19cm (7.5") from the front lens surface.



## ■ Handy Copy Stand

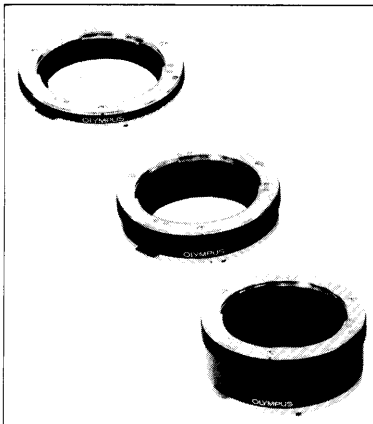
A four-legged stand for close-up and copy photography. The leg length is adjustable to three positions.

## ■ Adapter Ring 55 → 49mm

Connects the standard F1.2 to the Handy Copy Stand or the reversed 55mm dia. lenses to the Auto Bellows.

## ■ Extension Tubes 7, 14 and 25

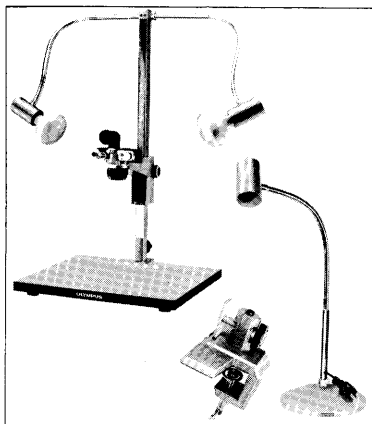
Bayonet mount tubes fitting between the OM Body and the lens. They have extension of 7mm, 14mm and 25mm respectively, and can be used in total of 7 different combinations to give a variety of magnifications. When used with the standard F1.8 the lens-to-sub-



ject distance can be changed from 39.1cm to 6.8cm (15.4" to 2.7"). With the Macro 50mm, the Extension Tube 25 provides an extended magnification range between 0.5x to life-size. (In this range, however, the 1:1 Macro 80mm is recommended for the best result.)

## ■ Copy Stand

A standard type stand, 48 x 44cm, for general close-up and copy photography. Two additional lights can be constructed to the top of the 80cm high stanchion. Fine adjustment for the camera height and a locking device are provided.



## ■ Lighting Set

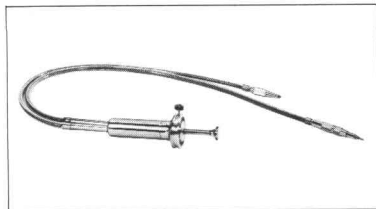
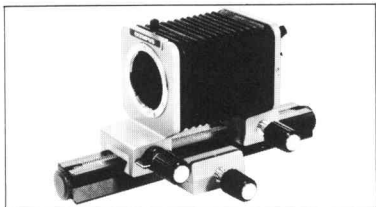
Complete with two units each consisting of a stable base and a light arm. Maximum light intensity is 500W.

## ■ Table Clamp

Convenient for setting up the column of the Copy Stand at the edge of a desk or table without the baseboard.

## ■ Auto Bellows

A convenient, high performance bellows system, consisting of the bellows section, focusing rail and focusing tripod mount. Magnification and focusing adjustable independently. A Must for three Macro Lenses. Can also be used with the Focusing Stage.

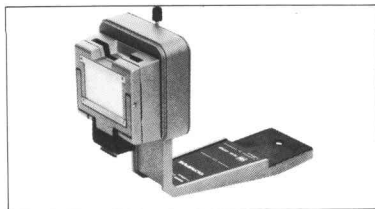
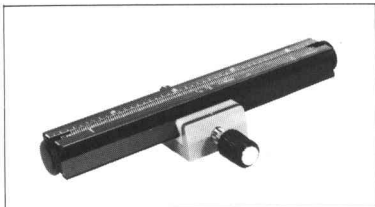


## ■ Double Cable Release

Attached to the Auto Bellows and camera shutter release button, to activate them simultaneously.

## ■ Focusing Rail

This is used with the Focusing Stage and connects to a tripod, the Copy Stand, or Macrophoto Stand B Adapter, so that the camera can be smoothly moved along the Rail, allowing you to focus and compose as desired.

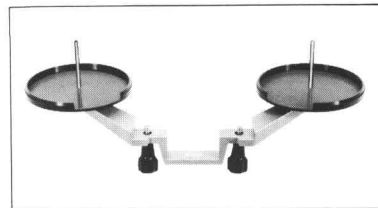
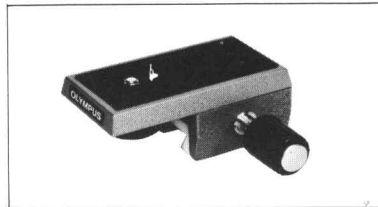


## ■ Slide Copier

For use in conjunction with the Auto Bellows to produce duplicates from frame-mounted slides or strip slides. The 1:1 Macro 80mm is recommended for best results with the Slide Copier.

## ■ Focusing Stage

Allows you to mount the camera body on the Focusing Rail or Auto Bellows. When used with the Rail, you can change the camera position for fast and smooth focusing and composing.

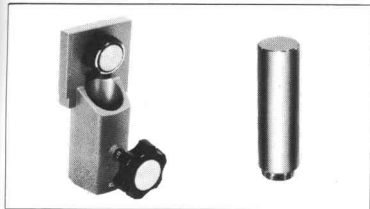
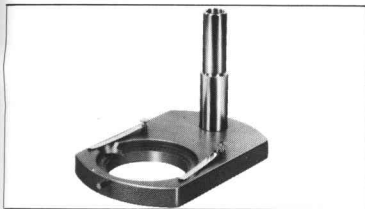


## ■ Roll Film Stage

Attached to the Slide Copier to hold long roll films for duplication.

### ■ Macrophoto Stand VST-1

A rugged stand specially designed for close-up and high magnification photography. Usable with various stage plates. Complete with a round frosted plate (black at back) for incident light and a pair of stage clips.



### ■ Macrophoto Stand B Adapter

For use with the Macrophoto Stand, to support the Auto Bellows or Focusing Rail on the Stand.

■ **Macrophoto Stand Extension Bar VST-E** Extends the height of the Macrophoto Stand. Length: 7.5cm (2.95")

### ■ Trans-Illuminator Base X-DE

Indispensable for holding the Macrophoto Stand VST-1 for magnified photographs. Supplied with a built-in 100V 20W illuminator with a mirror, and a pair of wooden handrests for ease of operation. Can be used with various stage plates and filters. When used with



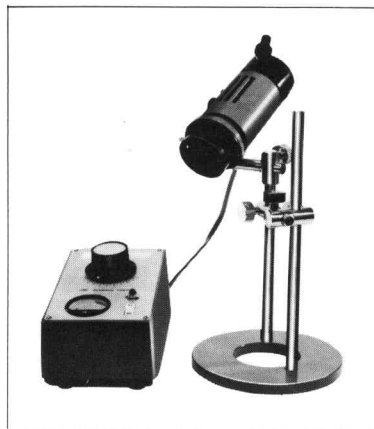
the Lieberkuhn Reflector, it is convenient to replace the reflector mirror with the Centering Mirror PM-ELCS.

### ■ Cable Release SR-II

For use with the OM Body or Auto Bellows to eliminate shutter vibration at shutter release.

### ■ Epi-Illuminators PM-LSD 2

This pair of illuminators offer vertical illumination essential to macrophotography. The height of the illuminator is adjustable on the tall pillar, suitable to overstage or substage illumination. When used with the Trans-Illuminator Base X-DE, the Illuminator supplies



transmitted light. Focusing is adjustable by shifting the bulb filament. A 6V to 8V variable transformer is provided. Eight filters are available in various sizes, including color, black and white, neutral density, etc. for transparent or translucent subjects.

## ■ Trans-Illuminator LSD

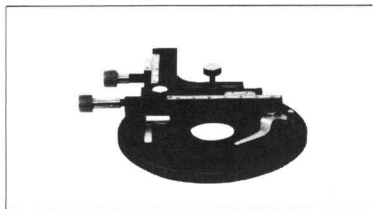
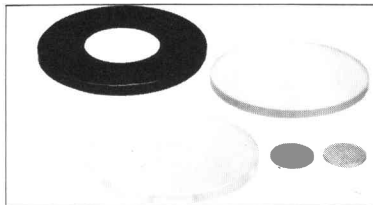
This unit is a universal type trans-illuminator for use with the X-DE Trans-Illuminator Base. When the Lieberkuhn Reflector is added, vertical light is also available. A 6V, 30W bulb is built-in. The condenser travels 18mm by rack and pinion for converging, diverging and



parallel adjustments of light. Complete with transformer and square filter 60 x 45C. Provided with a filter holder for attachment of various OLYMPUS filters, round and square.

- Stage Glasses (Clear, frosted-&-black)
- Stage Plate 45 (metal disc, black)
- Stage Plate 28 (metal disc, black)
- Glass Shade Stage Plate

Supplied with two stage inserts; compatible with the Lieberkuhn Reflector. The center port accepts the stage insert on which a subject is placed.



## ■ Mechanical Stage FM

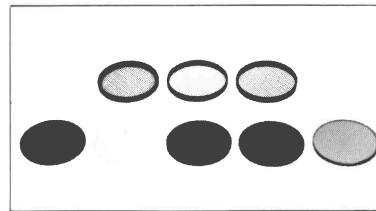
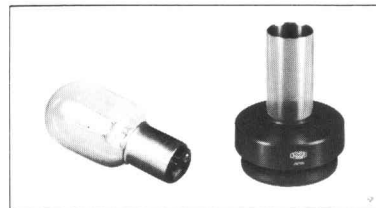
This stage is used to mount subjects on the 28mm stage plate. The subject travels vertically and horizontally by precise adjustments with vernier.

- Spare Bulb 6V 5A TB-1 (for PM-LSD2 & LSD)

- Spare Bulb 6V 5A TP-1 (for PMT-35)

- Adapter PM-EA

Accepts the photosensitive probe of the EMM-7 Exposure Meter in conjunction with the PMT-35 or Auto Bellows.



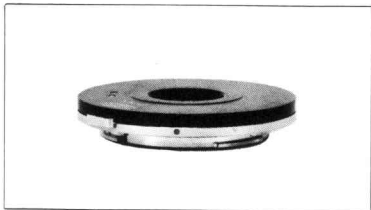
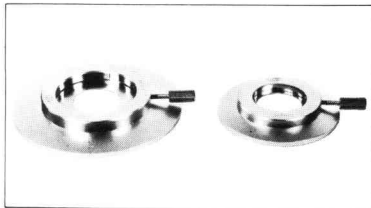
## ■ Filters

Round filters are used with the PM-LSD2 and LSD, while square filters used with the LSD only. They are color temperature compensation, monochromatic, neutral density, diffusion, heat absorbing and interference filters.

■ **Lieberkuhn Reflector PM-LM20**

■ **Lieberkuhn Reflector PM-LM38**

These Reflectors are available for use with the 20mm and 38mm Macro Lenses. When used with the LSD Trans-Illuminator, they make it possible to take photographs with excellent penetration and lack of shadows.



■ **Objective Lens Mount PM-MTob**

This objective mount enables you to mount the Zuiko Macro 20mm and 38mm to the Auto Bellows. It also connects to the Light Shield Tube PM-SDM.

■ **Incident Illuminator Mirror Housings PM-EL80, PM-EL38 and PM-EL20**

These units are used with OLYMPUS Macro Lenses in conjunction with the Epi-Illuminator PM-LSD2 or Macro-photographic Equipment PMT-35 to illuminate macrophotographic objects with incident light. They are effective



when shadowless pictures are desired.

■ **Centering Mirror PM-ELCS**

For use with these PM-EL units for accurate centration or for use with the Trans-Illuminator Base X-DE.

■ **Macrophotographic Unit PMT-35**

The PMT-35 is a complete macrophotographic system for OM System photo work providing image magnification from 0.45x to 16.5x with transmitted or reflected light as desired. The standard set consists of 26 out of the 46 high precision units of OLYMPUS macro-

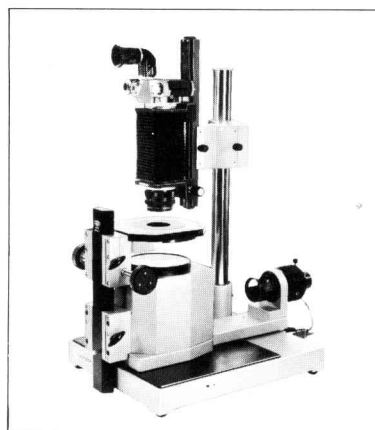
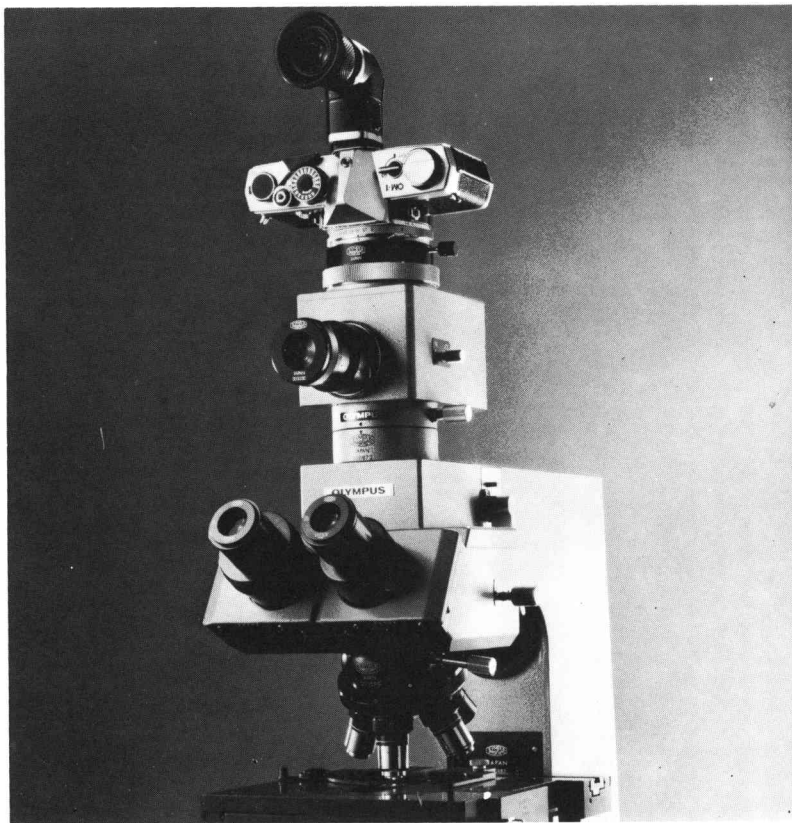


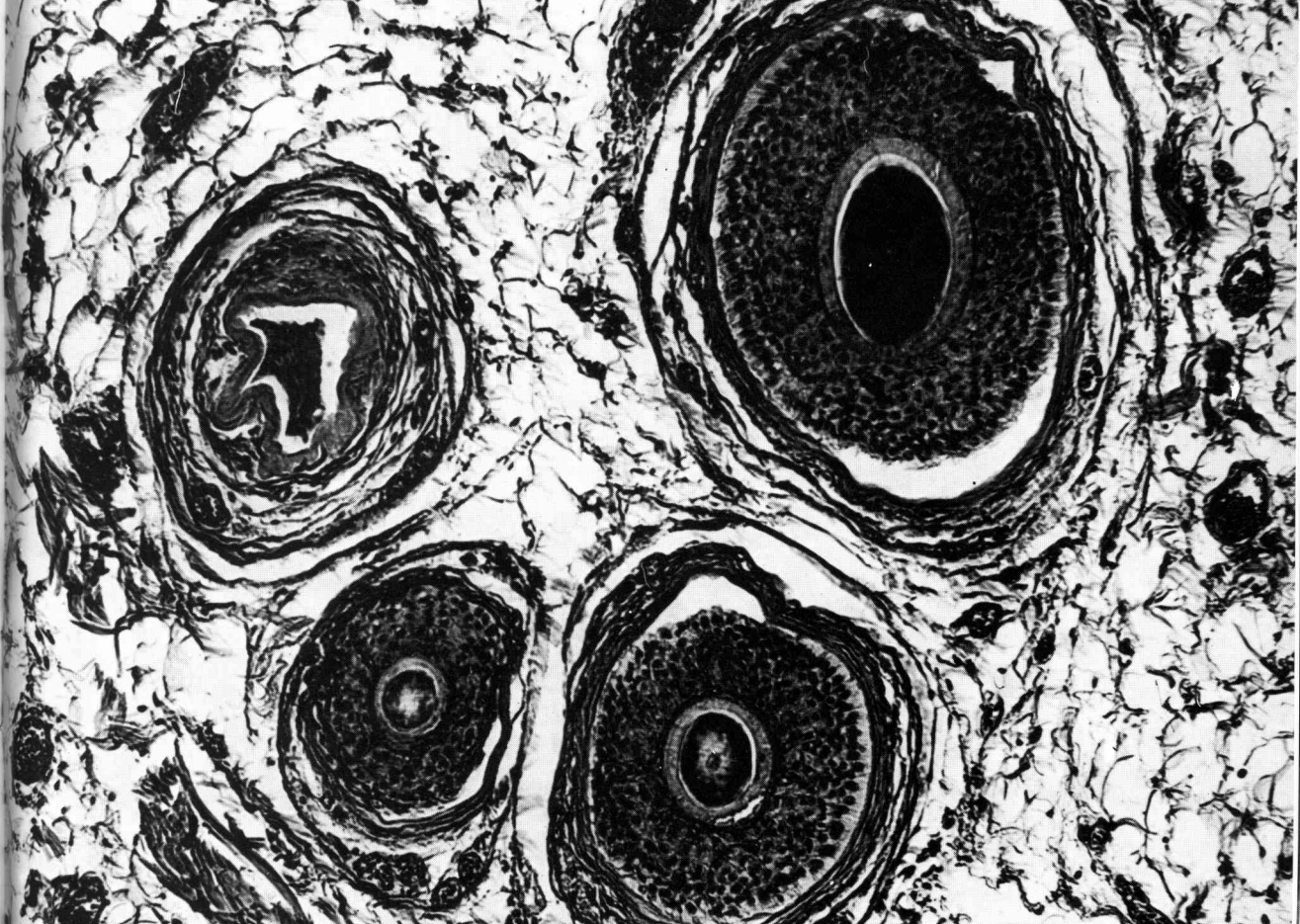
photo equipment. The OM Mount Photomicro Adapter H connects the OM Body to the PMT-35.

When the photographic magnification desired exceeds 10x magnification, it becomes more difficult for the macro-photographic equipment alone to obtain excellent pictures. A sophisticated array of photomicrography accessories with a microscope as the central figure is required. The exciting vision of looking at the microscopic world through a microscope can be recorded by the OM-1.

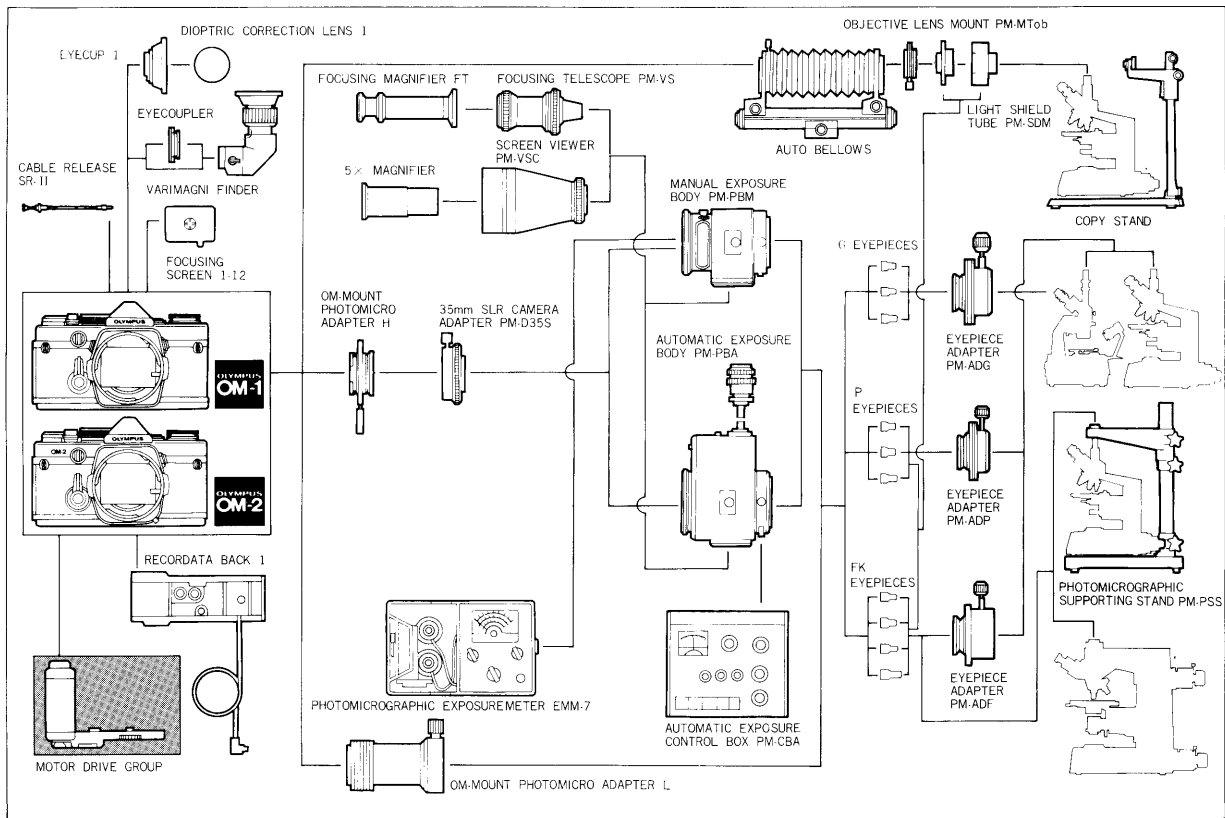
OLYMPUS also has an outstanding reputation for manufacturing precision microscopes used by scientists throughout the world. Naturally, the OM System includes a variety of microscope adapters, rugged stands, a special shutter to prevent vibration at high magnification, and an automatic exposure mechanism, which solves the difficult problem of microscopic exposures.

The Photomicrography Group is designed to expand the photomicrographic world not only into the scientific realm, but also into the creative sphere, so that the photographer's achievements under the microscope can be easily and accurately recorded with his OM-1.









## ■ OM-Mount Photomicro Adapter L

Connects the OM Body to the microscope for low power magnification.

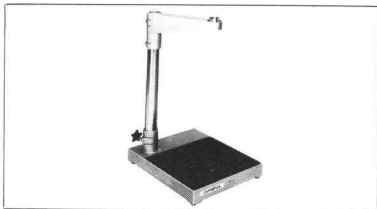


## ■ OM-Mount Photomicro Adapter H

Connects the OM Body to the Photomicrographic System PM-10, automatic or manual, or Macrophotographic Unit PMT-35 for high power magnification.

## ■ 35mm SLR Camera Adapter PM-D35S

Used with OM-Mount Photomicro Adapter H to attach the OM Body to the PM-PBA or PM-PBM.

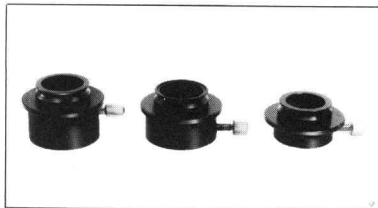


## ■ Photomicrographic Supporting Stand PM-PSS

This unit is a massive stand to virtually end the major cause of lost photomicrographs at high magnification . . . vibration. Supports the entire camera weight, isolating it from the microscope.

## ■ Eyepiece Adapter PM-ADG, PM-ADP, PM-ADF

Used to connect a microscope to the OM-Mount Photomicro Adapter L, PM-PBA or PM-PBM. Each Adapter designates OLYMPUS microscope eyepieces as follows: PM-ADG for G eyepieces, PM-ADP for P eyepieces and PM-ADF for FK photo eyepieces.



## ■ Light Shield Tube PM-SDM

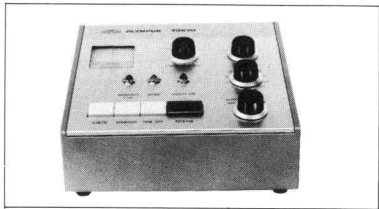
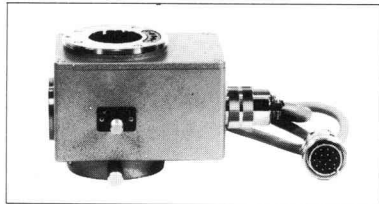
Designed for use with the Auto Bellows and Objective Lens Mount PM-MTob. Assures excellent images when used with FK photo eyepieces at the bellows length of, 111mm, free of shutter vibration.

## ■ Auto-Photomicrographic System PM-10-A

Consists of 17 units, including the PM-PBA, PM-CBA, etc.

### ● Automatic Exposure Body PM-PBA

Automatically determines accurate exposure time, compensating for reciprocity failure.



### ● Automatic Exposure Control Box PM-CBA

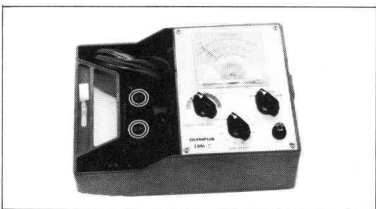
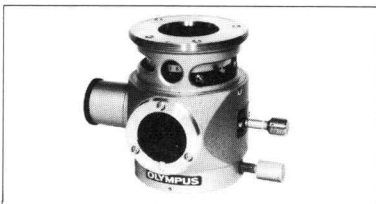
Used with the Automatic Exposure Body PM-PBA, to regulate color temperatures control. Eight filters provided.

## ■ Manual Photomicrographic System PM-10-M

This is a popular manual version of the PM-10, consisting of 8 units.

### ● Manual Exposure Body PM-PBM

A special shutter release button is integrated to eliminate shutter vibration.



## ■ Photomicrographic Exposure Meter EMM-7

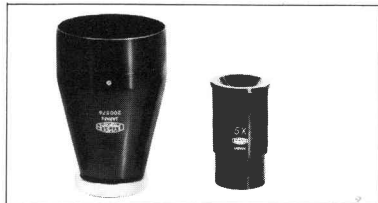
The EMM-7 assures accurate control of both exposure and color temperature in photomicrography. Provided with exposure and color temperature probes, color-compensating filters.

## ■ Screen Viewer PM-VSC

For use with objectives lower than 4x power. A hood is provided to reduce extraneous light on the viewing screen.

### ■ 5X Magnifier

For use with the Screen Viewer for magnifying any part of the subject area and focusing accurately.



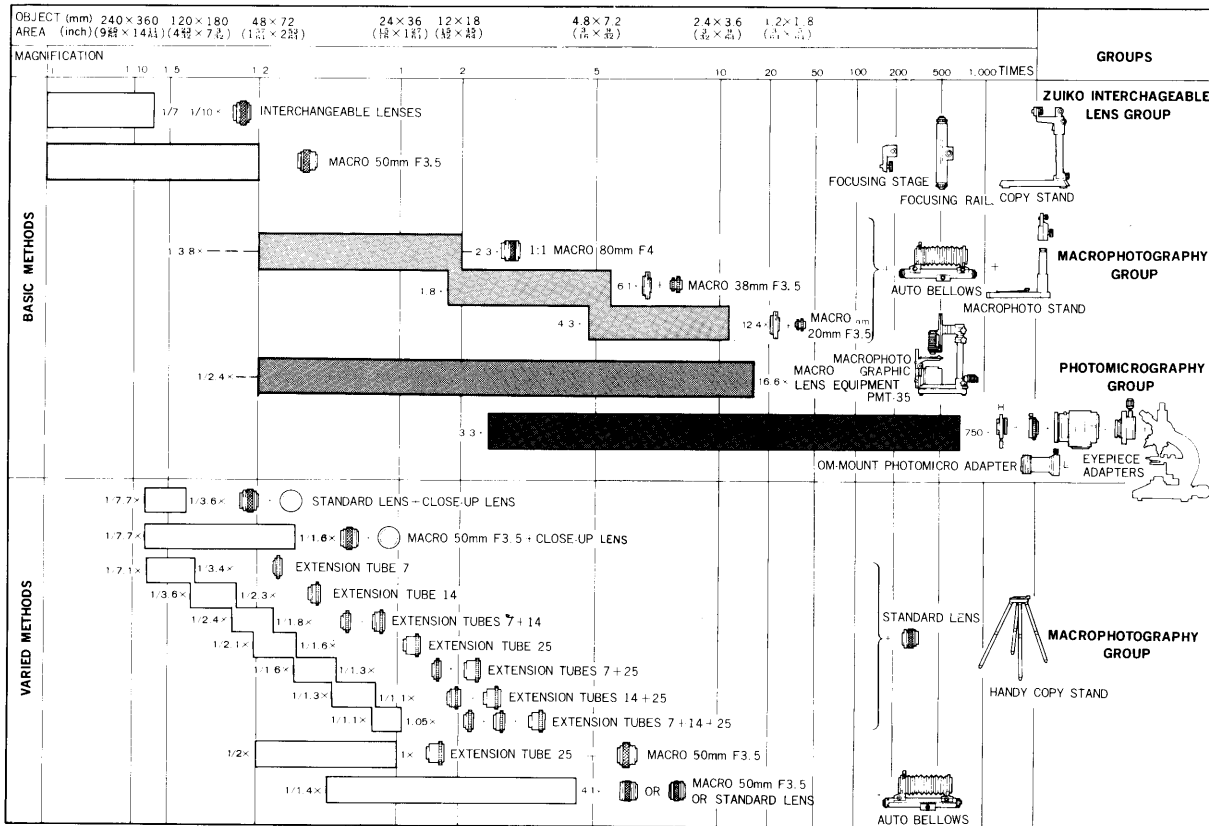
### ● Focusing Telescope PM-VS

For use with objectives 4x and up in conjunction with the Automatic or Manual Exposure Body.

### ■ Focusing Magnifier FT

Used to magnify the image obtained by the Focusing Telescope.

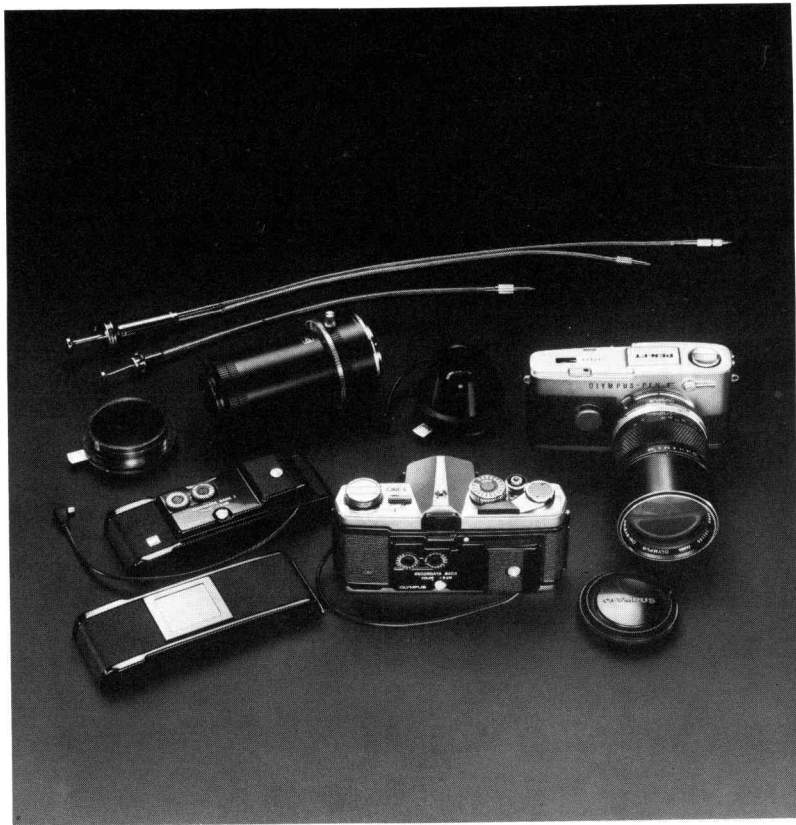
# CHART OF PHOTOGRAPHIC RANGES



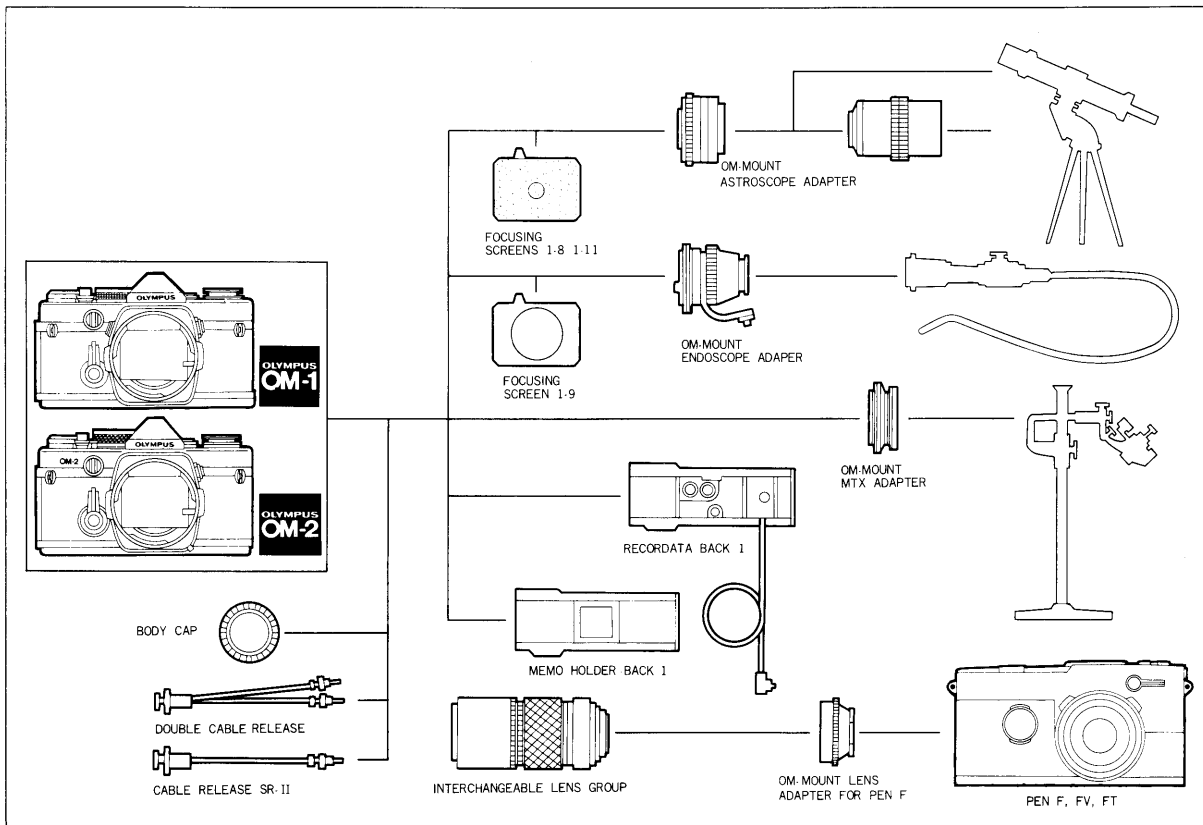
As a leading manufacturer of optical instruments, OLYMPUS has produced a wide variety of microscopes, medical and measuring instruments that have been making a major contribution in many fields of modern life. They are also vital elements in the OM System which many scientists can use to successfully document their achievements in photographs.

OLYMPUS products include fiber-scopes that are capable of visualizing the internal view of the human organs and taking photographs for diagnosis and treatment of diseases; operation microscopes for microsurgery; astronomy telescope adapter to explore the mysteries of space and stars — all capable of attachment to the OM Body.

For OLYMPUS Pen F and FT enthusiasts, a mount adapter is available for connection of these cameras to the OM System Interchangeable Lenses and other units. Another outstanding advantage the OM System features is the Recordata Back that is interchangeable with the OM Body camera back. Once in place, the Back imprints numbers directly on the picture when the exposure is made.







### ■ Recordata Back 1

Used as a replacement camera back of the OM Body, the Recordata Back makes provision to imprint data such as date, numbers, etc. directly on the pictures. Provided with a built-in light emitting diode powered by three 1.5V silver oxide batteries. It measures only



28mm (1.1") in thickness, weighing 95g (3.4 oz.) without batteries.

### ■ OM-Mount Astroscope Adapter

Permits astrophotography by the OM Body attached to a telescope by means of the 36.5mm diam., pitch 1mm and pitch 0.75mm threads. It enables direct objective photography and high magnification photography through the telescope eyepiece.



### ■ OM-Mount Endoscope Adapter

Used for mounting the OM Body to the OLYMPUS fiberscopes except the gastrocameras. The clear field type Focusing Screen 1-9 is recommended for use with this adapter.

### ■ OM-Mount MTX Adapter

Its bayonet mount facilitates mounting the OM Body on the OLYMPUS Operation Microscope MTX.



### ■ OM-Mount Lens Adapter for Pen F

Connects the OLYMPUS PEN F, FT and FV cameras to the OM System Interchangeable Lenses and other units.

### ■ Double Cable Release

Used with the Auto Bellows.

### ■ Cable Release SR-II



However ruggedly constructed, the camera is essentially a precision instrument and should be kept away from abrupt motions as much as possible. On the other hand, various units require rapid changing in actual use. Replacement of interchangeable lenses, for example, may have to be carried out quickly to meet changing photographic conditions.

The outstanding versatility of a true system camera can be enhanced if it is easy to operate and carry. With a properly designed case, both carrying and using your equipment becomes more convenient.

The OM System Case Group includes a large variety of cases so that the OM Body and other units may fit properly. They are compartment cases, specially made of tough synthetic leather, and designed to perfectly accommodate the photographic units. The adjustable partitions can be rearranged in the case to suit the photographer's individual requirements. Soft, hard and semi-hard cases to fit the OM Body and standard lenses, with a choice of carrying straps, are also available.

■ **Hard Case for OM Body with F1.8 or F1.4**

■ **Hard Case for OM Body with F1.2**  
Accommodates the OM Body with respective standard lens.

■ **Semi-Hard Case for OM Body with F1.8 or F1.4**



■ **Semi-Hard Case for OM Body with F1.2**

■ **Soft Case for OM Body with F1.8 or F1.4**

Accommodates the OM Body with F1.8 or F1.4 standard lens, and the Recordata Back 1.

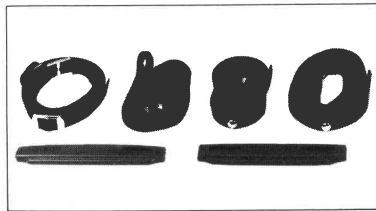
■ **Soft Case for OM Body with F1.2**

■ **Lens Pouch 100**

Made of fine leather to contain a single lens 100mm or smaller.

■ **Lens Pouch 200**

A fine leather container for a telephoto lens 200mm, zoom lens, or smaller. The main body of the Quick Auto 310 or 300 can also be contained.



■ **Leatherette Shoulder Strap with Shoulder Pad 1**

■ **Leather Shoulder Strap with Shoulder Pad 2**

■ **Flat Braid Shoulder Strap**

■ **Round Braid Shoulder Strap**

#### ■ Compartment Case S

A hard shoulder case with two adjustable partitions. Holds OM Body, two interchangeable lenses and filters; or Quick Auto 310 or 300, Bounce Grip and OM Body can be contained.



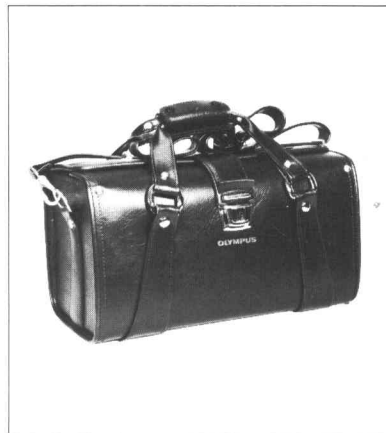
#### ■ Compartment Case M

A soft shoulder case with partitions and two pockets. Holds OM Body, three interchangeable lenses and various auxiliary equipment including electronic flash. Straps for carrying tripod.



#### ■ Compartment Case L

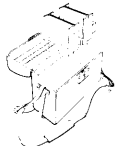
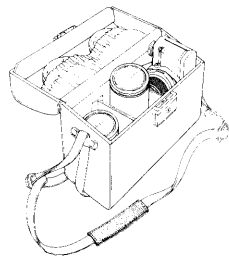
A hard shoulder or hand-carried case with two adjustable partitions. Holds two OM Bodies, two interchangeable lenses (including 300mm telephoto lens), electronic flash, large format camera, and other equipment.



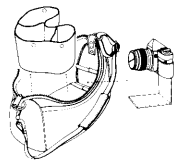
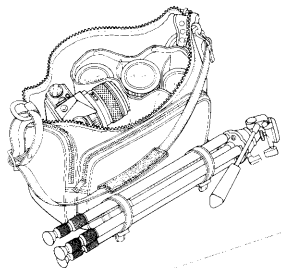
#### ■ Partitioned Insert

When inserted into the Compartment Case L, this unit supports the assembly of the Motor Drive Units. The 250 Film Back 1 and interchangeable lenses can be contained together with the OM Body.

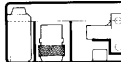
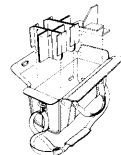
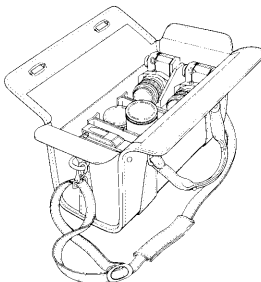
COMPARTMENT CASE S



COMPARTMENT CASE M



COMPARTMENT CASE L



MOTOR DRIVE PARTITIONED INSERT

