



# Photomicrography

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### 13 ) REMIPHOT index numbers

#### Photomicrography

| Exposure meter positions:   | at                                    | Camera type  | Index Number |
|---|---------------------------------------|--|--------------|
| on the same tube as the camera (or on the corresponding inclined monocular tube if the light beam is not split) |                                       | Miniature camera   | 15           |
|   |                                       | Kam "VBX"  | 19           |
|   |                                       | "KINEKONNEX"   | 4            |
| Binocular body on "ZETOPAN", "NEOZET", "BIOZET", inclined tube of "BIOZET" triocular body                       | Vertical photo tube                   | Miniature camera   | 8            |
|   |                                       | Kam "VBX"  | 12           |
| Binocular body on "CSM"   | Vertical photo tube                   | Miniature camera   | 6            |
|   |                                       | Kam "VBX"  | 10           |
| Binocular body on "Me F"  | Photo tube of lateral deviating prism | Miniature camera   | 4            |
|   |                                       | Kam "VBX"  | 8            |
| Any monocular body  |                                       | Built-in camera, lateral or vertical extension camera (e.g. "Me F", "Me A" or "Kam B") |              |
|   |                                       | Length of bellows (mm)   |              |
|   |                                       | 375-400  | 24           |
|   |                                       | 400-450  | 25           |
|   |                                       | 450-500  | 26           |
|   |                                       | 500-550  | 27           |
| Index number increased by 1 for each additional 50 mm bellows length.   |                                       |  |              |

#### Low-power photomicrography on the Me F

| "REMIPHOT"                           |                              | Photographic System                   |   | Index Number |
|--------------------------------------|------------------------------|---------------------------------------|---|--------------|
| position                             | setting of eyepiece ring (4) | Objective                             | built-in or lateral (Me FA) camera Length of bellows (mm) |              |
| Inclined monocular tube              | 4x                           | Dallmeyer f=25 mm<br>Neupolar f=50 mm | 375   | 15           |
| Phototube of lateral deviating prism | 6,3x                         | Neupolar f=100 mm                     | 460   | 16           |
|                                      |                              |                                       | 550   | 17           |

#### Cinemicrography

In 16 mm cinemicrography on the "ZETOPAN" the exposure meter can be mounted with an intermediate tube directly on the "KINEKONNEX" cinemicrographic fitting. In the case of the "Me F" the "REMIPHOT" is inserted into the inclined monocular tube of the microscope or into the phase contrast equipment.

The exposure time of the camera shutter is determined by the film speed selected (frames per second), and the intensity of the microscope illumination must therefore be adjusted until the exposure meter indicates this fixed exposure time. During this adjustment the eyepiece ring has to be set to 10X, and the index ring to 4 in accordance with the table.