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SOURCE Newspapers and periodicals as indicated.

PRODUCES NEW OPTICAL EQUIPMENT,  
PRECISION INSTRUMENTS

NEW MINIATURE CAMERA -- Die Wirtschaft, No 9, 2 Mar 50

A new miniature, single-lens, mirror-reflex camera, the Praktica, has been introduced by the people-owned Camera Plants in Dresden-Niedersedlitz. Of attractive design, the 24 x 36-millimeter camera is simple to operate and equally effective for both amateur and professional photography.

The Praktica has all the characteristics of a single-lens mirror-reflex camera, such as direct focusing on the ground glass panel; identical view-finder lens and photographic lens, so that the picture recorded on the film will correspond exactly to the picture seen through the view finder; and preclusion of parallax errors, even with interchangeable lenses of varying focal lengths. The picture as seen through the view finder also shows the actual effect of the diaphragm setting, that is, the degree of definition produced under various conditions of aperture ratio. This is particularly important for close-range photography, where proper depth of focus is critical, and for portrait photography. Finally, the true picture as seen through the view finder permits a thorough study of effects prior to recording the impression.

All these features are exceptionally well developed in the Fraktica. The picture shown on the ground glass focusing panel is particularly bright and rich in contrasts. A lens mounted in the light shaft magnifies the view seen through the finder, and the camera can be focused with the diaphragm open. Subsequently, the diaphragm may be adjusted to the desired opening without moving the camera, because the settings for diaphragm opening, exposure, and distance can be read from above when the camera is in position. These advantages also apply to lenses other than standard, such as long-focal-length lenses and short-focal-length, wide-angle lenses.

For close-range pictures and microphotography, intermediate rings and adapter lenses can be supplied. For photography at eye level (sports pictures, candid shots) the finder in the light shaft can be used. The shutter speed may be set for 1/2 to 1/500 second, or for time exposures of any desired length.

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MASS-PRODUCES NEW MIRROR MICROSCOPE -- Landes-Zeitung, No 45, 22 Feb 50

The people-owned Zeiss plant in Jena has begun mass production of a new-type mirror microscope. The instrument, which has no lenses but operates on a mirror principle, reportedly is far more effective than the microscopes which have been in use heretofore. It is completely free of refractive color effects. Furthermore, the instrument affords the scientist a distance from the object under investigation which is ten times that provided by lens-equipped microscopes. This facilitates the use of pincers in working on live objects.

The mirror microscope was developed by Doctor (fnu) Harting, scientific director of Zeiss and recipient of the 1949 National Prize award, in collaboration with Doctors (fnu) Trapp and (fnu) Gehne.



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RECEIVES ORDERS FOR OFFICE MACHINES -- Fahrt frei, No 2, 12 Jan 50

The Association of People-Owned Mechanical Enterprises in Dresden has received an order for 200 typewriters and eight bookkeeping machines for export to Sweden. The order, which amounts to 132,000 dollars will be filled by the Wanderer plant in Siegmars-Schoenau, near Chemnitz.

The Association has also received an order for 1,284 cameras for shipment to Hungary, at a cost of 30,000 dollars.

NEW LOW-PRICED CAMERA SHOWN -- Taegliche Rundschau, No 60, 11 Mar 50

The people-owned Thorandt Camera Factories (Sachsen) have introduced their latest model, the SICA, an improved box camera which takes pictures 6 x 6 centimeters, using standard film 6 x 9 B II.

The camera combines outstanding quality with extraordinary price value.

NEW MINIATURE FILM PROJECTOR -- Taegliche Rundschau, No 60, 11 Mar 50

At the Leipzig Fair the people-owned Filmsto-Projektion enterprise of Dresden is showing a newly developed miniature film projector of small and lightweight construction and optimum performance. Special features are 100 or 150-watt bulbs with heat filters, the possibility of simple and quick interchange of film-strip carrier and slide changer, and effective elimination of interference from extraneous light. The instrument is equipped with a Meyer lens, 1:3.5, f = 10 centimeters.

NEW ZEISS LENSES -- Der Volksbetrieb, No 2, Jan 50

The Zeiss Works in Jena have developed a new Tessar lens of a quality far superior to the Tessar lenses produced heretofore. It has a focal length of 2.8 centimeters and permits the taking of very clear pictures at short exposure times. This success is due to the development of new optical glass by the Otto Schott people-owned plant.

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PRODUCES NEW WRIST WATCH -- Taegliche Rundschau, No 53, 3 Mar 50

Lange and Sons (people-owned) in Glashuette, who heretofore have manufactured only pocket watches, observers' timepieces, and chronometers for navigation, recently started mass production of wrist watches. Many years of experimentation have gone into the production of the new watch. Requisite mechanical equipment had to be specially designed and built. The watches have 15 to 16 jewels and are equipped with Nivarox springs. Certain parts of the mechanism are silver or gold plated.

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