

THE SUBMINIATURE TIMES

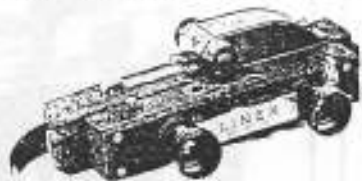
The Subminiature Times is published monthly by Doylejet, P.O. Box 60311, Houston, TX. 77205 (713) 440-4744
Supporting 110, 17.5mm, 16mm, 9.5mm, 8mm, 4mm, 1mm, Microdot, and Electronic Still Photography.



letters

This month we make an attempt to catch up with a backlog of mail.

Billy Kerr, of Baytown, TX., identified this camera for us. (Sub' Times #39.)



"It's a Linex, from Lionel, the train people, vintage 1954. It produces stereo pairs on 16mm film.

The camera, viewer, and case with a roll of Anstochrome film sold for \$44.50. The exposed cassettes were returned to Lionel for processing and mounting.

The excellent stereo transparencies can still be enjoyed in a Viewmaster 3D Viewer."

Susan Lockeridge, of Grand Rapids, MI., asked about using the Sanwa Mycro (Sub' Times #43) for "serious photography."

The Mycro is an excellent subminiature for any purpose other than flash photography. The photograph above was taken with the Mycro on Fuji HS-U microfilm. Exposure: f5.6 @ 1/100. See also page 2.

The letter on page 3 is from Gene Garza, who would like to offer his photofinishing services to Minox owners in the Gulf Coast area.

Ray Aklund, of Toledo, Ohio, was searching for circa 1960 literature on the Minox III-S and accessories. See page 4.

What About Ultra Miniatures ?

16 mm. cameras give best results when used for color.

PEOPLE whose pockets bulge with cigarette packs—and people who mislay stamps because they are so small—will be surprised to find that the market has been swamped with cameras whose two main virtues are that they are smaller than cigarette packs and produce negatives the size of postage stamps.

At a time when the trend is towards the use of large negatives with the attendant improved print qualities, the use of these ultra-miniatures for black-and-white photography seems to be an irrational contradiction—and it is. While it is true that you can photograph a whole vacation on two rolls of film which you should be able to keep track of; it is also true that in black-and-white photography it is a case of "to have and to have not." Black-and-white processing is just not consistent.

You may have Mr. Ranier, the girl friend posing on the beach, and the baby taking his first step, on the same strip of film. But when they are finally blown up to snapshot size—you are quite likely to find that the poor print quality will lead to the breaking of some beautiful friendships. You can probably do without Mr. Ranier—but you may like the girl very much.

On the other hand, these cameras do a fine job when it comes to making color transparencies for slide projection; in this case the economy in packaging and savings does make sense and you do not lose any of the



A MATTER OF SCALE. "World's largest cameraman," 6-foot, 250-pound, Jack Tompkins, tries out an imported "Bieky" miniature. P.S. The coke bottle's a miniature too.

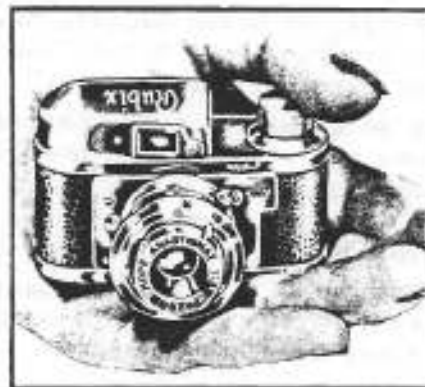
qualities inherent in the picture itself. There is a 16 mm. slide projector on the market which should make the showing of the scenes which you have captured on film an enjoyable session.

Most of these 16 mm. miniature cameras have color corrected anastigmat lenses; speeds of 1/25th, 1/50th, 1/100th and bulb; and direct vision viewfinders. They can be focused from five feet to infinity and take 24-30 pictures on 16 mm. black-and-white or color film—available now at many dealers. In addition, ever-ready leather carrying

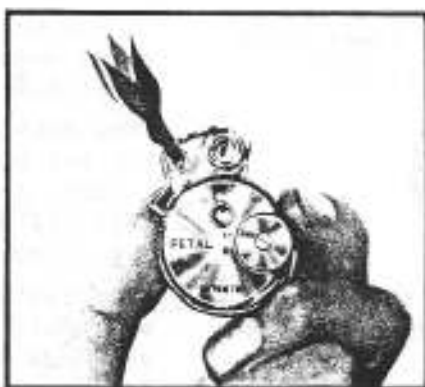
cases, lens caps and optically ground filters are obtainable.

These cameras range in price from about nine to thirty dollars and, of course, do vary in performance. A good way in which the better makes can be utilized is in connection with 16 mm. motion picture work. The same scenes which are being taken on the movie can be taken with the miniature camera and then used for title backgrounds.

The 16 mm. cameras are mainly a novelty. If used with great discretion, they should give satisfactory results—in color.



RUBIX-RUBINA, a precision miniature which can take 30 exposures on one strip of film.



PETAL CAMERA is round in shape and uses a special round film. It is priced at \$20.



MYCRO CAMERA. This and the preceding two cameras are distributed by Mycro Co.

Doylejet
P.O. Box 60311
Houston, Texas 77205

Dear Mr. Doyle:

I have a Minox "B" camera, and plan to purchase a "C" or an "LX" in the near future. Anyway I would like to ask you if you know of any Minoxers who would be interested in sending me their b/w film for developing.

I do my own processing at home, it takes to long for those outfits in New York to return my film and prints, etc. I plan to do color work in the future.

Please let me know if you have any chains for the Minox "B" case. Also if you have any other accessories, I would appreciate you letting me know.

Please let me know if any of your subscribers would be interested in my processing of Minox film. If they send me one of their negative strips and \$1.00 I will send them a sample of my print processing. I can also make b/w prints from their color negs.

You may give them my address: Gene T. Garza, P.O. Box 10644, Corpus Christi, Texas 78460-0644.

Thank you for your kindness and hope I can help people who do not process their own film at home. I do not know of any firms in Texas who process Minox films, do you? By the way, my prices are very reasonable and I will include it should they write to me.

Yours truly,



Gene T. Garza

GENE T. GARZA
P.O. BOX 10644
CORPUS CHRISTI, TX 78460-0644

Minox III-S Satin-chrome finish, \$139.50; black "private eye" model, \$154.50; gold plated, \$200.00

with case and beaded chain

Most compact of all, the Minox is simple and foolproof to operate. The user need make only two adjustments: distance and shutter settings. The $f/3.5$, 15mm lens has such great depth of field, at full lens aperture, that no lens diaphragm for "stopping down" is needed. When closed, the Minox is about the size of a pack of chewing gum and is dustproof. To operate, the user merely pulls the camera housing open to put the lens and viewfinder in picture-taking position. Pushing the camera back to closed position after an exposure automatically advances the film to its next frame, resets the shutter and advances the exposure counter. The viewfinder sets a standard for brilliance. It has parallax correction down to the closest distances. Focusing is down to 8", which permits copying and micro-filming. When focusing scale is set for "fixed focus" range, everything will be sharp from 6 feet to infinity. When the film is in place for exposure, it is held under pressure in a spherical plane thus assuring edge-to-edge sharpness. A full line of accessories makes the camera part of an integrated system of photography.



1. *Image size:* 8 x 11mm.
2. *Lens:* 15mm fully corrected, coated 4 element Complan $f/3.5$; scale focusing from 8" to infinity. Depth of field scale. The camera housing serves as a shade for the recessed lens. Lens has no diaphragm.
3. *Shutter:* Front-of-lens metal curtain; continuous speeds from $\frac{1}{2}$ second to $1/1000$ second, plus bulb and time.
4. *Viewfinder:* Brilliant optical image with luminous inner frame in which to compose subject; permits moving objects to be watched as they enter field of view; fully corrected for parallax even at close-up distances.
5. *Film:* Thin brass cassette, loaded with special factory-packed film. 50 exposure cassettes for ASA 25 (Adox KB-14), ASA 50 (Adox KB-17), ASA 100 (Adox KB-21), ASA 5 Doku-Ortho (line copying). 36 exposure cassettes for E.I. 32 (daylight Ansco-chrome color), ASA 200 (Kodak Tri-X). Cartridges not suited to reloading by photographer. Packed 2 cassettes to box, black-and-white, \$2.50; daylight color, 1 cassette \$1.95. (Note: Adox film ratings rerated by camera manufacturer.)
6. *Film winding and exposure:* Film transported to next frame and shutter cocked simultaneously by push-pull action explained above; impossible to double expose. Shutter release button operates by feather touch, only when camera is open.
7. *Flash synchronization:* Standard European plug accepts any battery or electronic flash gun with appropriate connecting cord; adapter shoe available. X-synchronization, operates with class F flashbulbs (SM, SF) to $1/20$ second, M2 bulbs at $1/20$ second only; Nos. 5 and 25 up to $1/10$ second for long distance flash.
8. *Other features:* Accessory tripod mount available; safety chain has bead measurements corresponding to close-up distances of 8, 10, 12, 18 and 24 inches, of value in copying. Built-in light yellow-green and orange filters.
9. *Size of camera:* $3\frac{1}{4} \times 1 \times \frac{1}{4}$ ".
10. *Weight:* 2½ ounces.

Accessories and related equipment:

1. Carrying case included in camera price, with beaded chain.
2. Matching exposure meter, with case, \$27.95; gold plated model, \$65.00.
3. Right angle finder mirror, \$9.95.
4. Waist level reflex viewfinder, also used for ground level or overhead viewing, \$14.95.
5. Telephoto-binocular clamp, \$24.50.
6. Table tripod, with tilting head and self-contained cable release, \$9.95; camera clamp with cable release socket, \$5.95 (permits mounting camera on any tripod).
7. Minox matching BC flash, fits directly to camera body without connecting wires, \$29.95; adapter shoe for other cameras, \$6.95; high efficiency polished reflector, \$2.50; 15 volt mercury battery \$1.95; leather case for BC flash unit, \$4.95.
8. Minox matching electronic flash, \$82.50; AC power supply, \$4.95; electronic flash battery, \$7.95; high efficiency polished reflector, \$2.50.
9. Minox enlarger-copying stand, complete with $f/3.5$ lens and dustless carrier, \$149.95; other carriers available in 8 and 16mm cine size and 10×10 mm, \$17.50 each; enlarging easel attaching to baseboard \$24.50, with 3 masking frames for standard paper sizes; reflex mirror for large scale enlargements, \$14.75; copying arm, \$22.50.
10. Adjustable, portable copying stand, \$29.50.
11. Universal copying arm for any vertical columns up to 13½" dia., \$24.50.
12. Slide projector for 30 x 30mm slide mounts, with 35mm $f/2.9$ Minostar lens, leather carrying case, \$79.95; transparency viewer and cutter, \$14.95; kit to bind 50 slides, \$8.50; Minox slide safe for 50 mounted 30 x 30mm slides, \$2.25; 50 slide mounts, 2 x 2" (35mm) \$1.95.
13. Minox daylight loading developing tank, with thermometer, \$12.50; film developing kit, 15 sets of pre-measured chemicals, \$3.95; transparent negative wallet for 50 negatives, \$2.25; film-viewer magnifier to examine films in transparencies without touching film surfaces, \$6.95.



Dear Al,

Is the GaMi worth the current price?

Bob McNeil
Modesto, CA

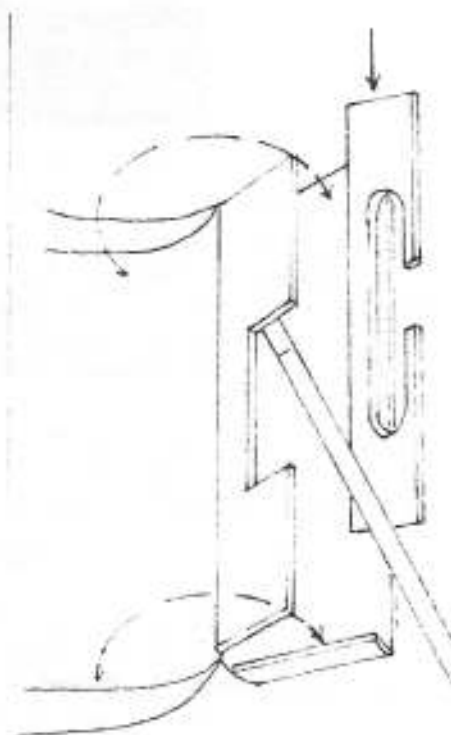
Dear Bob,

At \$300 to \$500 the GaMi was the top choice for photographers who needed to put the sharpest possible image on microfilm. The Minox has always been more portable. The Mamiyas are quieter. The Pentax is better for Microscopy and telephotography. Now that the price for a GaMi has hit the \$1200 mark it's a collector's item, not the best 'user'.

The Minolta MG-S may have quietly taken over that spot. The aperture-coupled meter doesn't require experience to operate. The 23mm/f2.8 Rokkor lens puts a slightly wider than normal image on a 12 x 17mm format (quarter frame). The enlargements look like Cinemascope compared to anything else.

The MG-S photo above and the enlargement next to it are comparable to the GaMi with a 4X telephoto. In the enlargement the license plate number is clearly visible. The MG-S is currently selling in the \$50-\$70 range.

Al

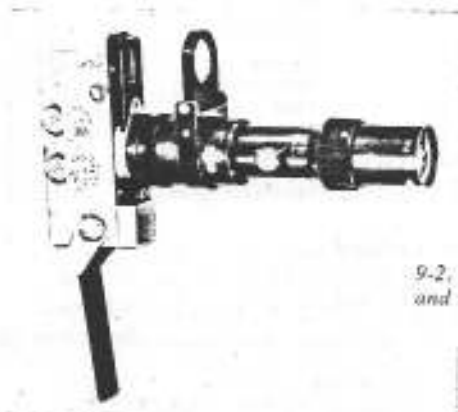


U - CAN - DO

Several 'HIT' type roll film cameras have door latches that will lift completely out if you pull them up too high.

To replace the latch, pry up the flat retaining spring using a counter-clockwise motion. The latch will have just enough space to slide back into place and stop at the bottom of the track.

Tip submitted by:
Louis Miller
New Orleans, LA.



9-2; 4X telelens, coupled to lens and viewing system of GaMi 16.



GRAB SHOT

A steady flow of inquiries came in concerning this photo which appears in the "1992 Guide to Popular Subminiature Cameras". A recent caller asked jokingly "Did a 35mm negative get mixed in with your subminiature work? What does an enlargement look like?"

This was shot with a 10 x 14mm format vintage Mamiya-16. The film was double perforated Kodak 7276. The perforations

are included above for reference. The exposure was approximately f3.5 @ 1/50. Developer: HC-110 dil. E, 20 mins. @ 75° F.

The official speed of 7276 is 50 daylight 40 tungsten. I rate reversal films at 10 times the normal index when processing for a negative, and up to E.I. 2000 using 7276 in flat lighting.

As shutter speeds go, 1/50 of a second isn't fast. It works fine if you aren't standing too close to your subject.

THE SUBMINIATURE TIMES QUICKFINDER 9/92

B Brooklyn Camera Exch., 549 E 26th St., Bklyn, NY 11210 (718)462-2892

F Foto Cell, 49 W 23rd St., NYC, NY 10010 (212)924-7474

H Hayden Photo, 85 Queen St. East, Toronto, Ont. Canada M5C 1S1 (416) 862-8585

U George Ury Photo, 801 E Ogden Ave., Naperville, IL 60563 (708) 420-2925

W Woodmere Camera, 337 Merrick Rd., Lynbrook, NY 11563 (516) 599-6013



Canon 110ED	169 F	Mimolta-16 GT	129 H	Pentax a-110 + 3 lenses	229 B
Compass	Call M	-16 GT	44 B	+ 2 + Wndr	229 B
Crystar	49 W	Minox 1st B	189 W	+ 2	189 B
Expo Watch	595 H	1st B	135 W	Robot II 40/1.9	225 B
GaMi	1200 W	B Black	399 W	Rollei-16	69 B
Goldesk-16	395 H	B	175 H	Rubina-16	139 F
HIT	49 W	C	295 H	Steky	189 F
Konan-16	295 U	C Black	475 W	Stylophot	219 F
Mec-16 SB	165 H	EC	179 W	Tasco Bino/Can	199 W
Minitord + tank	895 H	1115	189 W	Tone	325 W
Minitord	499 W	1115	159 W	Vestkan	179 W
Mimolta-16 MG	69 F	Minute-16	160 H	Whittaker Micro-16	75 H
-16 P	49 W	Mycro	159 W	Yashica Atonon	175 H
16 P	35 H	Narciss w/Cass	795 B	Yashica Atonon	79 B

THE 1992 GUIDE TO POPULAR SUBMINIATURE CAMERAS.....\$10

THE SUBMINIATURE TIMES #1 to #5, and #32 to current.....\$2 ea.

CASSETTES: GaMi-16 \$15, Yashica-Y16 \$10, 17.5mm roll.....\$5 ea.

Waiting list, Mamiya, Rollei, Edixa, Steky....No charge

Please include 10% S & H Domestic, 20% International.

DOYLEJET, P.O. Box 60311, Houston, TX. 77205. (713) 443-3409.