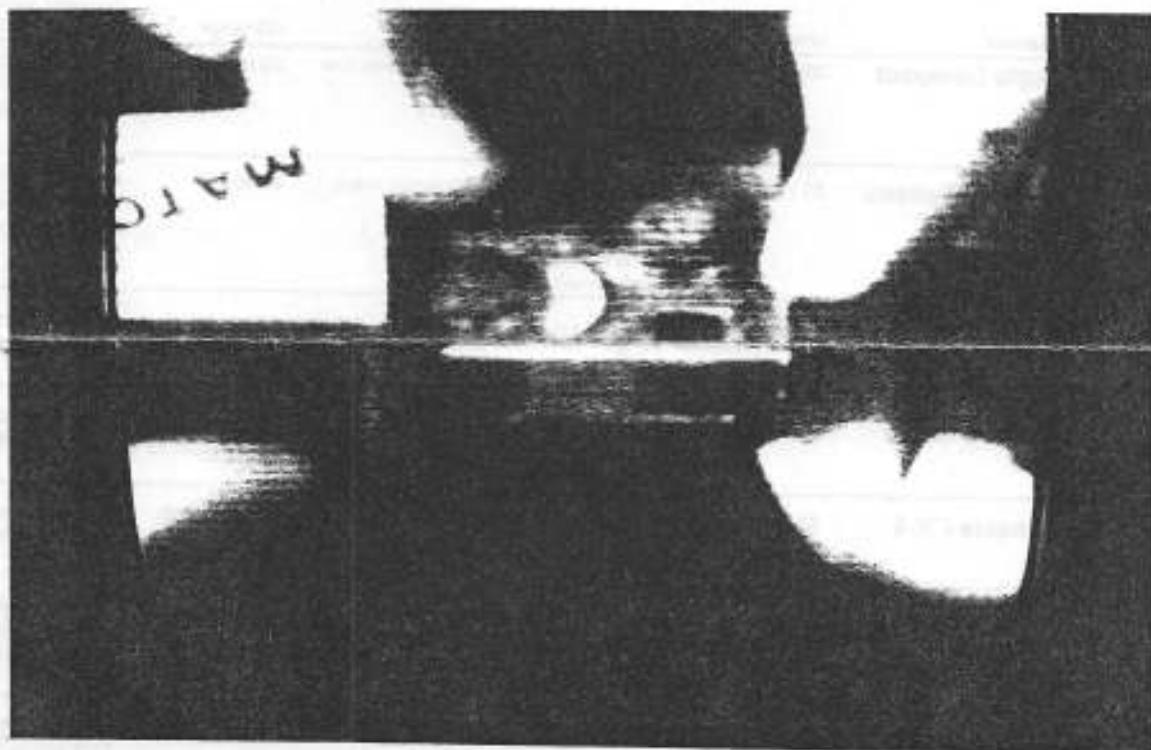


# THE SUBMINIATURE TIMES

The Subminiature Times is published monthly by Doylejet, P.O. Box 60311, Houston, TX. 77205 (713) 443-3409

Subscribing 110, 17.5mm, 16mm, 9.5mm, 8mm, 4mm, 1mm, Microdot, and Electronic Still Photography.



## THE GREAT SPY MOVIE FAN CLUB

Sharp eyed Tom Mahon, of Brooklyn, NY., caught this matchbox camera (above) being used in a scene from "13 Rue Madeleine" winning a coveted Three Extra Months on the subscription award.

Tom adds "the scene was in the torpedo repair/assembly shack, the camera was being used by two agents on a training exercise."

Our question: What's the name of the camera?

## SUBMINIATURE SINGLE-BOARD CAMERA



Chinon's new CX-060 single board monochrome 1/3 CCD chip camera offers viewing and positioning flexibility for electronic imaging, security, and special observation applications. Measuring only 1-1/4 x 1-1/4 x 1-3/16" it weighs 0.59 oz. Interchangeable lenses 4mm-11mm are available. Contact Ken Gerb, Chinon America, Electron. Imaging, 1065 Bristol Rd., Mountainside, NJ 07092-1248. 1.800.880-4164.

**MISUNDERSTOOD?** The Special August Edition of "Popular Science" on the rebirth of Russian technology describes the Zenit



MF-1 as a camera of limited special use. "The focus of its 28mm f/2.8 lens is fixed at 15 feet."

Actually, at that focal point, depth of field extends from 10' to 30' at f/2.8, from 7'6" to infinity at f/5.6, and gets closer by 12" at each smaller aperture.

Certainly not a toy, the viewfinderless wonder will set you back \$1,999 for camera and film splitter (35mm to 21mm). Moonlight Products, 5965 Pacific Center Blvd., Ste. 711, San Diego, CA 92121. (619) 625-0300.

## COMPACT CLAMSHELL



# Fifteen street shooters\*

Camera	Lens	Protection	Focusing method, minimum distance	ISO range	Exposure system, range at ISO 100
<b>Agfa Compact</b>	39-mm f/2.8	Motorized lens extension and retraction; view- finder cover	Three-zone, 1 m	25 to 400	Programmed, 1/45 sec at f/2.8 to 1/1,250 sec at f/16
<b>Chinon Bellami</b>	35-mm f/2.8	Retractable lens with cover that opens when film advance is in ready position	Distance scale, 1 m	25 to 400	Programmed, 1/8 sec at f/2.8 to 1/1,000 sec at f/11
<b>Cosina CX-1</b>	33-mm f/3.5	Revolving lens cover	Four-zone, 0.9 m	25 to 400	Programmed, 2 sec at f/3.5 to 1/500 sec at f/16
<b>Cosina CX-2</b>	35-mm f/2.8	Revolving lens cover	Four-zone, 0.9 m	25 to 400	Programmed, 2 sec at f/2.8 to 1/500 sec at f/16
<b>Cosina CX-5</b>	33-mm f/3.8	Revolving lens cover	Three-zone, 0.9 m	64, 100, 200, 400	Programmed, 1/20 sec at f/3.8 to 1/125 sec at f/16
<b>Fujica DL-20</b>	38-mm f/4	Lever-controlled lens cover	Three-zone, 1 m	100 and 400	Shutter-priority, 1/100 sec at f/4- f/9.5 (1/300 sec at ISO 400)
<b>Hanimex 35ee Micro</b>	33-mm f/3.5	Fold-down flash	Three-zone, 1 m	64, 100, 400	Aperture-preferred, 1/15 sec to 1/400 sec at f/6.3 (varies with ISO speed)
<b>Mamiya U</b>	35-mm f/2.8	Lever controls lens and view- finder cover	Four-zone, 1 m	25 to 400	Programmed, 1/8 sec at f/2.8 to 1/500 sec at f/16
<b>Minox 35 GT</b>	35-mm f/2.8	Retractable lens; cover flips down	Distance scale, 0.9 m	25 to 800	Aperture-preferred, 8 sec at f/2.8 to 1/500 sec at f/16
<b>Minox 35 PL</b>	35-mm f/2.8	Retractable lens; cover flips down	Distance scale, 0.9 m	25 to 400	Programmed, 4 sec at f/2.8 to 1/500 sec at f/16
<b>Minox 35 PE</b>	35-mm f/2.8	Retractable lens; cover flips down	Distance scale, 0.9 m	25 to 400	Programmed, 4 sec at f/2.8 to 1/500 sec at f/16
<b>Olympus XA</b>	35-mm f/2.8	Sliding cover for lens and viewfinder	Coupled range- finder, 0.85 m	25 to 800	Aperture-preferred, 10 sec at f/2.8 to 1/500 sec at f/22
<b>Olympus XA-2</b>	35-mm f/3.5	Sliding cover for lens and viewfinder	Three-zone, 0.9 m	25 to 800	Programmed, 2 sec at f/3.5 to 1/750 sec at f/14
<b>Ricoh FF-1S</b>	35-mm f/2.8	Retractable lens; cover flips down	Distance scale, 0.9 m	25 to 400	Programmed, 2 sec at f/2.8 to 1/500 sec at f/16
<b>Starblitz 35ES</b>	33-mm f/3.5	Fold-down flash	Three-zone, 1 m	64, 100, 200, 400	Aperture-preferred, 1/15 sec at f/3.5 to 1/500 sec at f/11

Chart compiled by  
Gail Rosenthal from  
information provided  
by camera distributors.

\*The street photographer needs a small, pocketable camera that can be used  
"from the hip" if necessary. Ideal for the purpose is a "clamshell" model with



Kodak Technical Pan Film 2415 boasts the finest grain and the highest resolving power of any black-and-white pictorial film Kodak has ever produced. Enlarge it up to 25 times, and there's hardly a hint of grain. Blow it up 50 times, and it's hard to believe we're talking about a 35mm film.

## KODAK TECHNICAL PAN FILM 2415

- 40-0277 Kodak TP135-36x (Technical Pan Film 2415). 35mm 36 exposure roll, (SW 0-3).....\$7.59  
or \$7.09 ea. for 3 to 9  
or \$6.89 ea. for 10 or more
- 40-0317 Kodak Technical Pan Film 2415, 35mm x 150 feet, (SW 1-0) \$76.39  
or \$65.99/roll for 3 or more.
- 40-0405 Kodak Technical Pan Film, 120 size, TP 120. (SW 0-4).....\$5.69  
or \$5.29 ea. for 3 to 10  
or \$5.19 ea. for 10 or more
- 35-0590 Kodak Technidol Liquid Developer. Contains 6 units each to make 8 fluid ounces. Will process 12 rolls 35mm 36 exp. or 6 rolls 120 film (SW 0-14).....\$12.95

### EDITOR'S JOURNAL: SOME TECH PAN/TECHNIDOL COST CONTROL

Several months ago it was easy to agree with a photographer who was complaining to the editor of a major photo magazine. His gripe was the amount of work required to get normal looking contrast from Kodak Technical Pan film.

"Some photographers even resort to developers that have to heat up and cool down before use" he wrote, and I agreed. It sure did sound like a lot of work.

Needless to say, right now I am putting a beaker of water into my microwave. After that, it's going into the refrigerator. I'm going through it too, but hopefully this is my last time.

Tech Pan has become a benchmark of sorts; like D-76. The combination of Tech Pan/Technidol was Kodak's answer to all the homebrewed developers appearing after the introduction of the very high contrast film: POTA, Delagi #8, etc. Clearly there was a need. Technidol appeared, followed by Technidol LC (Low Contrast).

Technidol's selling point is convenience. Just pour a premeasured liquid into water and start processing. You still have to heat the water for mixing, and cool it to 68°F for processing, but you don't have to weigh out individual dry chemicals. The retail price for this convenience was \$11.15 for 6 packets, enough for only 6 rolls of film @ \$1.85 per roll.

I remember thinking, maybe they make this stuff out in space and we're getting charged an Import Tax (it could happen). I wasn't too surprised when it was discontinued in mid '92. But I was very surprised when it came back at the start of this year. The new price is \$12.95 for those same six packets!

### LOCAL

Pentax Corporation has sold all remaining Pentax 110 parts to: Camera Services, 3407 S. Shepherd, Houston, TX 77098. CS has no cameras or accessories for sale, only parts. Service is offered on a quote per camera basis.

When I used the Tech Pan/Technidol combination for a previous issue, it gave me a chance to look at 'benchmark' negatives under a microscope. The grain pattern and tonality looked familiar; somewhere midpoint between Agfa Rodinal and HC-110. Not as sharp as Rodinal, with more tonality. And not as much emulsion speed as HC-110, but sharper.

Over the course of the 4th of July weekend I shot a roll of Tech Pan, and processed it inch by inch in various combinations of Rodinal and HC-110. Out of the weekend's work I came up with a formula that I've been sharing with local submini-holics. Everyone says they like it.

### "MIXER"

Add 42 drops HC-110, + 38 drops Rodinal to 200 ml water., 17 mins @ 72°F.



Camera: Minolta-16 QT  
Film: Tech Pan 35mm split to 16mm  
Developer: "Mixer"

### COMPARISONS

Our reproductions always leave a lot to be desired, but hopefully you can see the grain pattern in the portion from a 20 x 30" print.

"Mixer" copies Technidol's major asset, tonality. Like Technidol, it isn't as sharp as Rodinal, but still very sharp. My processing times are slower than some people may find comfortable, and if you need the speed, by all means use Technidol.

You should like the savings. Technidol costs \$2.16 to process a roll of film. A beaker of "Mixer", enough for three rolls of Minox, or one roll of 16mm, costs a cent and a half. Subminiature lives!

Al D.

Houston area submini-holics and 9.5ers next meeting at Photo Fest '94, George R. Brown Convention Center, Nov. 19, for demonstrations of new equipment, film splitting, respooling, pinhole cams. Problem solving workshop. 10 AM sharp. Seating limited. Reserve ASAP.



The Black and White Cranes

## LETTERS

Hi Al,

I really need one of those cassettes for my Minicord if you can help me. I am just getting started into subminiature photography. So I've a lot to learn. I recently acquired a Tasco Bino 8000 with 100 & 150mm lenses. Do you happen to know if speeds 1 & 2 on the 8000 would correspond to shutter speeds around 60-125 or 250? I'm just guessing. Any tips you could offer on using this camera would be appreciated.

I am not familiar with the Da Vinci pocket camera. I am very interested in instant picture photography.

Thanks.

Ron Guengerich  
Addison, IL

Hi Ron:

I'll list your request for the Minicord cassettes. As I understand it, Tasco 1 and 2 are 1/125 and 1/250 sec. The most important tip I can give about the Tasco cameras, is to focus on infinity and match the eyepieces to the lens before taking pictures.

Try not to rest your finger too heavily on the shutter button, or you can waste a frame without

## Da VINCI

DIGITAL PRINTING CAMERA

A CAMERA WITH A

BUILT-IN COPIER!

- Make as many black & white copies of pictures as you like for you and your friends!
- Pocket Size! Measures only 3" W x 1 1/4" D x 7 1/4" L
- Allows you to decide how to process your photos with over 60 different patterns & 8 print types.
- Thick enough paper to produce 3.5x5 prints.

Previously only available in catalogues



Special Introductory Price

\$249<sup>95</sup>

knowing it, although no exposure is made.

The DaVinci is now a collector's item. The last known source was Focus Camera in NYC.

Al D.

Greetings from the Grove---

I called Mr. Kodak and got information about the item that was in your Subminiature Times recently regarding 16mm Eastman 7245 color negative film that some Walgreen stores might process. I was told that all of the Kodak 16mm color negative films are processed in ECN developer and that K-14 developer is used for developing Kodachrome #40 Super 8 film.

Paul Price,  
Downers Grove, IL

## 9.5 THE MINOX CLUB

Dear Mr. Doyle:

I note that in the July '94 issue of ST the letter from R. MacDonald and your reply. This is regarding shooting pictures with Minoxes and running the counter past zero trying to get the maximum number of pictures from a roll of film.

I would like to caution your readers to avoid shooting pictures past zero. I shot a roll of film from (a processor) that was too long and it jammed my Minox C when I shot pictures past zero. The transport mechanism broke. There is a limited amount of head space in the cassettes and if too long a length of film is loaded it can jam. I estimated the length of film in this particular cassette to be 25.57" (Fuji Velvia) based on the returned film. There were 41 exposures on the returned film with room for one or two more. The processor denied any problem or responsibility.

Richard Larmi,  
Edgewater, CO.

## HELPLINE

ROOKIE in Calif. needs Minox enlarger instructions. ALEX in NYC needs 9.5mm reel. Al D. hunting Minolta-16 QT proxiar. THANK YOU to everyone who sent Canon 110 ED 20 instructions for Ro in Hollywood.

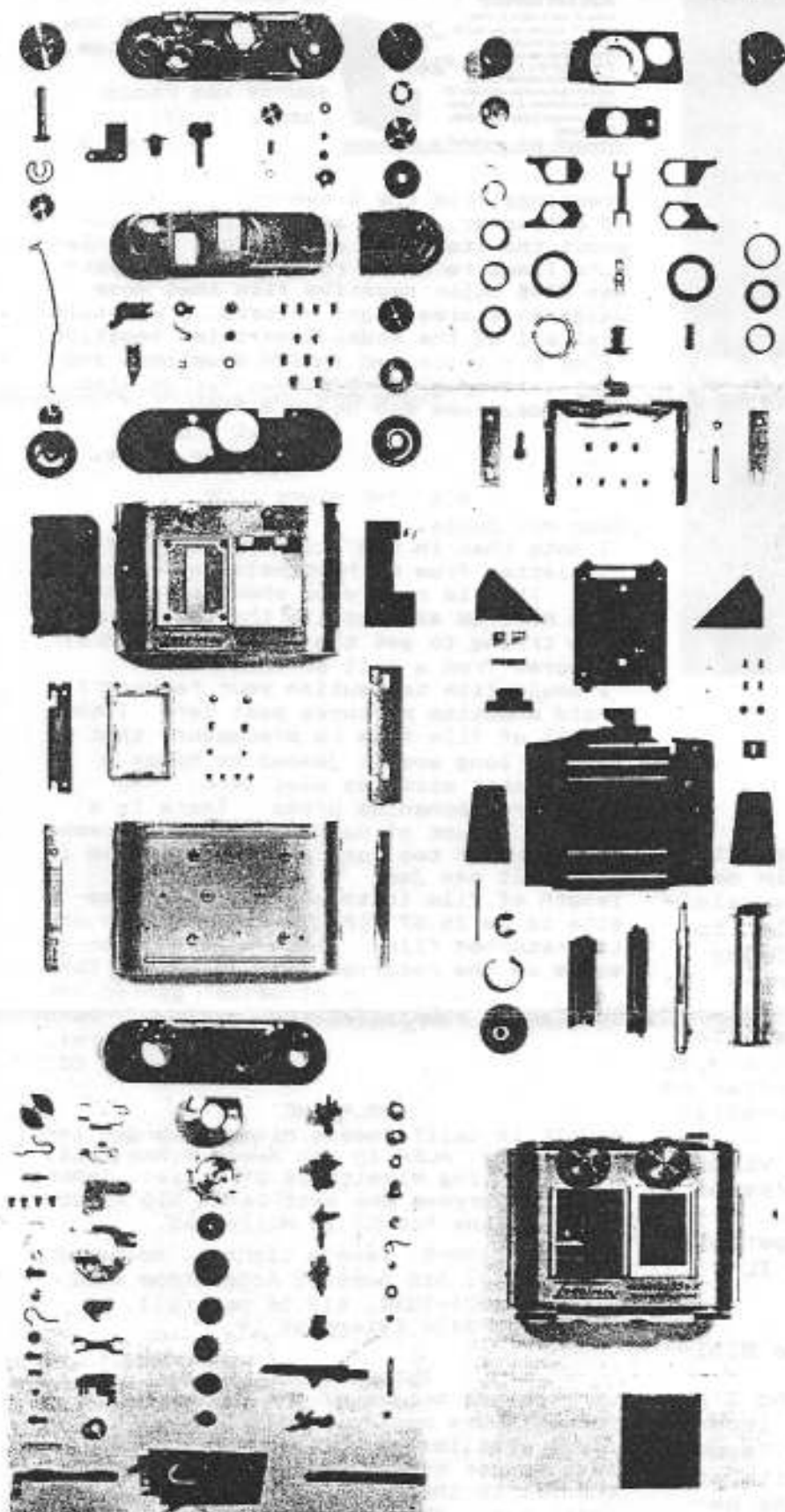
UPDATE: Echo-B, Camera Lighter, Bolsey-B. Kodak still has Super-8 Kodachrome K401 Catalog #501-9294, \$13.56 per roll. 1 800 242-2424 Extension 19.

## INTERNATIONAL

We received notice of the Mikeal Levin subminiature portfolio too late to include last issue. "Photographs of European border crossings, from the English Channel to the Alps" French Embassy, 972 Fifth Ave., NYC. Through 7/1.

*Tessina 35*

## A MASTERPIECE OF PRECISION + QUALITY CONTROLS



1. Located in the heart of the Swiss watch industry, the TESSINA factory with its limited production is geared to the most rigid precision standards.
2. Each TESSINA is custom built with inimitable chronometer precision, literally to your order, like the finest Swiss watch.
3. TESSINA'S highly skilled Swiss master craftsmen are trained in the art of watchmaking during half their lifetime.
4. Each TESSINA part, gear, pinion, etc. is manufactured with the same tolerances as those for Swiss watches, supplied by the TESSINA factory for many decades.
5. Manufacturing a TESSINA means meticulous assembling of close to 400 minute precision parts.
6. TESSINA camera makers work with a watchmakers magnifying lens attached to their eye all day.
7. Each TESSINA part is individually quality controlled twice, during manufacturing and before assembling.
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9. TESSINA precision parts are cleaned with an ultrasonic machine, operating at 500 Kilocycles.
10. High precision machines for critical part controls work at tolerances up to 1/1000mm (0.0003937").
11. Ruby stone jewels such as used in fine watches eliminate friction and wear of TESSINA mechanism, guarantee smooth operation.
12. All TESSINA shutter speeds are electronically tested, for utmost accuracy.
13. Special lubricants guarantee near-constant shutter speeds, even under extremely cold or hot climatic conditions.
14. M and X synchronization (up to 1/500th second) are tested at a low 4 Volt and a high 500 Volt.
15. TESSINA shutters are released 2000 times before leaving factory, are geared for more than 50,000 operations.
16. Each TESSINA lens is individually film tested, handpicked for you, carries an unconditional guarantee for optical excellence.
17. Numbered testfilm for each TESSINA lens shows even illumination, critical sharpness, authentic tonal values and perfect contrast.
18. Exceptionally solid construction withstands the most rugged use, for lifelong durability.
19. Over 50% of factory personnel is engaged in the most severe, total quality controls, using highly specialized testing instruments.
20. TESSINA FULL WARRANTY BUYER PROTECTION FOR LIFE

## QUICKFINDER 8/94

Expo Watch Camera	\$399	C
KGB Players	1350	B
Mamiya-16 Automatic	124	A
Minicord w/case	395	E
Minolta MGs Kit	119	B
" -16P	44	B
" -16II	84	B
Minox B 1st w/case	129	W
" B Black	449	W
" B Chrome	159	K
" BL Chrome	1079	K
" C Chrome	215	K
" EC Outfit	215	K
" LX Black	525	K
" III (fixupper)	99	B
PK420 Elec Watch/Cam	1595	B
Rollei E110	249	B
Stereo Mikroma kit	1250	B

A	Adorama	(800) 445-8860
B	Brooklyn	(718) 462-2892
E	Emporium	(312) 777-3915
C	Cameta's	(516) 691-1190
K	KEH	(404) 892-5522
W	Woodmere	(516) 599-6013