



MINOX MEMO

GRATIS TO REGISTERED OWNERS OF THE FABULOUS MINOX CAMERA AND ITS AMAZING ACCESSORIES, PUBLISHED BY MINOX PROCESSING LABORATORIES, P.O. BOX 94, FOREST HILLS, N.Y. 11357

Volume 8 number 1

WINTER/1965

from PUMPKINS to PORTRAITS

"with a loaded Minox
there's no limit to what
you can shoot"



The Pumpkin Man



Little Girl

According to John Pasternak, who spends most of his time in the steel mills of Johnstown, Pennsylvania, "most of my friends spend their spare time hunting deer, rabbits, etc. with loaded guns. I prefer to load up and hunt with my Minox." Two of his latest "catches" were "The Pumpkin Man" above, taken with Agfa CN-14 film at 1/200th of a second, and "Little Girl" shot with ASA 25 film at 1/20th of a second with flash and the neutral density filter at three feet.



Miss Mildred Vescur, Jackson Heights, N. Y. snapped this photo through the windshield of a car while zooming down the Autobahn during her last trip to Germany. The car speed was about 70 miles per hour. She used Kodak Plus-X Pan film (ASA 200).

GET YOUR PICS QUICK — USE YOUR ZIP CODE

It really helps both Minox Processing Laboratories and the postal authorities to get your processing orders to you more quickly. So be certain to include your ZIP code number in your return address.

Some incorrectly addressed films for processing are being misdirected by the post office to the Minox distributors in New York City. They do not have processing facilities of their own and send all films for processing to the sole factory-authorized processors for Minox

film in this country, Minox Processing Laboratories. Sometimes the delay can be as much as one month. Be certain your processing orders are properly addressed to:

Minox Processing Laboratories
Post Office Box 94
Forest Hills, New York 11375

YOU may be one of the Lucky Winners in our next MINOX SWEEPSTAKES. Complete details should reach you in the mail early in January.

AN EDITORIAL

We would like to take this opportunity to answer the many thousands of letters we've received from Minoxers all over the country who have been wondering why they haven't received any current issues of the MINOX MEMO.

In the past, the Memo has been published periodically as a joint effort by the distributors of Minox cameras and equipment in this country and Minox Processing Laboratories, the sole-factory authorized processors of Minox films. Together we have tried to keep Minox owners abreast of the newest innovations in Minox photography, and give you an opportunity to share in the experiences of fellow-Minoxers who have applied this precision-built ultra-miniature camera in unusual ways to the many needs of business and the sciences, as well as for their personal pleasure.

During this past year the management of the organization that distributes Minox cameras and equipment has changed its viewpoint and policy as concerns the Memo. They will no longer participate in its publication.

We at Minox Processing Laboratories, do not agree with their viewpoint. We feel that most photographic publications currently available are geared to meet the needs and answer the questions of owners of larger cameras. We feel

that the Minox is a very personal camera and that Minox owners want a news media of their own.

It is with this conviction that we have published this Winter, 1965 edition of the Minox Memo. This is the only issue published in 1965. The many letters received by us indicate that you want a Minox Memo regularly and Minox Processing Laboratories will resume publication on a quarterly basis beginning with the Spring, 1966 issue. We have many things planned for 1966 and you will be kept abreast of them through the Memo.



Don O Thayer
President,
Minox Processing Laboratories

CAUTION

- Your MINOX is a precision-built camera containing 301 parts made to very close tolerances. To assure smooth and faultless camera operation, MINOX film cartridges are made with the same precision.
- When using other than genuine MINOX films, you risk not only a total loss of your pictures, but also costly damage to the fine mechanism of your MINOX camera, not covered by the MINOX guarantee.
- For utmost MINOX enjoyment and satisfaction — use only genuine MINOX FILM in your MINOX CAMERA.

DISTINCTIVE



**JEWELRY — IDEAL
CHRISTMAS STOCKING
STUFFERS**

stunning, custom-made charms
pendants and earrings

J-8 Sterling silver charm/pendant, each\$4.95

J-9 14K solid gold
charm/pendant, each\$24.95

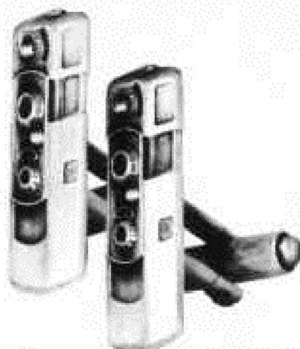
J-10 Sterling silver earrings, a pair\$9.95

J-11 14K solid gold earrings, a pair\$47.50

All above are exquisitely gift packaged
in jewel cases.



**delightfully detailed cuff links
tie and scarf tacks**



#J-1
In silver oxidized
hand-relieved finish
and magnificently
gift packaged.
\$2.95 a pair

#J-2
In Hamilton gold
plated rose satin
finish, packaged in
a jewel case.
\$3.50 a pair.



#J-3

#J-4

For both Minoxers and Minoxettes (lady Minoxers),
these Tie and Scarf Tacks double as lapel pins or
costume jewelry. Choose **#J-3**, silver oxidized
hand-relieved finish at **\$1.50** each or
#J-4, Hamilton gold plated rose satin finish at **\$1.95**
each. Gift packaged in jewel cases, of course.

decorative tie and scarf bars

Most everyone wears a tie or scarf. Your choice of
the tie bar finishes assures the perfect accessory
touch for any ensemble.

#J-5 Silver oxidized, hand-relieved finish, each **\$2.95**

#J-6 Hamilton gold-plated,
rose satin finish, each\$3.50

#J-7 Silver oxidized, hand-relieved finish, each **\$2.50**

FOR THOSE WHO PREFER A TIE TACK AND CHAIN

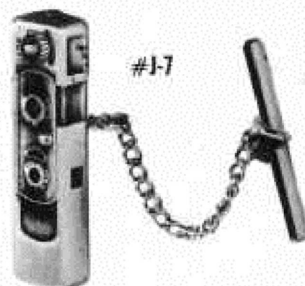


#J-5

All
Jewelry
Illustrated
Actual Size



#J-6



#J-7

MINOX MERRIMENT XMAS MORNING

If you're one of those folks who Minoxes everything in sight, all through the year, and gets perfect pictures every time then don't read any further. There's nothing we can do to help you. But . . . if you are a "holiday picture-taker" and want to be certain to capture the merriment of Xmas morning (and all through the holiday season) read on. Here are a few simple, sure-fire settings that make for memorable Minoxing.

Color captures the gaiety of opening Christmas presents best and we recommend Agfa CN-14 color negative film for color prints. Use clear, AG-1 flashbulbs and set your shutter speed dial at 20. If you're in a small room and your background is very light and reflective, your subject should be seven to eight feet from the camera. With an average background, most of your pictures should be taken at five to six feet.

There is a special advantage in using Agfa CN-14 color negative film. If you wish, you can first have all your pictures made up in black and white and then select the ones you like best for color prints.

Be certain to specify either black and white or color prints when sending your film for processing. Remember, this film is not suitable for slides. To get color slides for projection, you should use Agfachrome CT-18 color positive film. Expose this indoors with blue, AG-1B flashbulbs and set your

shutter speed dial at 20. In average surroundings your distance should be seven to eight feet. Agfachrome CT-18 is primarily intended for color slides but color prints can be made too. It will not produce black and white prints.

We hope that the above hints will help you to happy Minoxing during this holiday season.

If you'd like some individual help to improve your Minox technique, address your inquiry to: Minox Processing Laboratories, Post Office Box 94, Forest Hills, New York 11375.

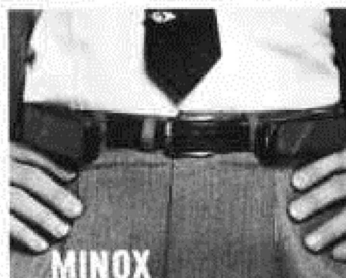
TIPS FOR BETTER RESULTS

1. Hold camera properly — be certain a finger is not covering or shading the lens.
2. Set the distance scale dial accurately for sharp focus.
3. Tip exposure meter for a reading when sky is in scene. Include sky in picture for actual exposure.
4. Color exposures should be made in full sunlight between 2 hours after sunrise and 2 hours before sunset for best results.
5. Avoid shadows on your subjects.
6. To avoid camera movement, do not attempt hand-held exposures at shutter speeds of less than 1/20th of a second. For exposures at 1/20th or slower, a tripod should be used.

A RUMOR . . . ?

Is it true, that a new ultra-miniature camera is now available that uses original factory - packaged MINOX cassettes???

ULTRA-MINIATURE ACCESSORIES ARE GREAT XMAS GIFTS FOR MINOXERS



MINOX

leather belt cases

Wear your Minox camera on your belt. In genuine black, brown or red leather.

#104 for Minox B.....\$5.95

#105 for III S.....\$5.95

Reflex viewfinder for picture-taking at waist-level, overhead or near ground.

#65 for Minox B....\$15.95

#66 for Minox III S \$15.95

Right-angle finder mirror for inconspicuous picture-taking "around corner".

#62 for Minox B....\$10.50

#63 for Minox III S..\$10.50

Leather case for Reflex Finder or Right-angle mirror \$2.25



#60 Telephoto - binocular clamp. Attaches Minox to binoculars, built-in tripod and cable release socket. Use also as camera-tripod clamp.....\$28.50



MINOX FILTER KITS

Supplemental screw-in filters, complete with filter holder and case.

#67A Minox IIIS Filter Kit (black-and-white). Yellow, neutral Density 10x, U. V.,... \$11.95

#67B Minox B Filter Kit (black-and-white). Orange, Yellow, Blue.....\$11.95

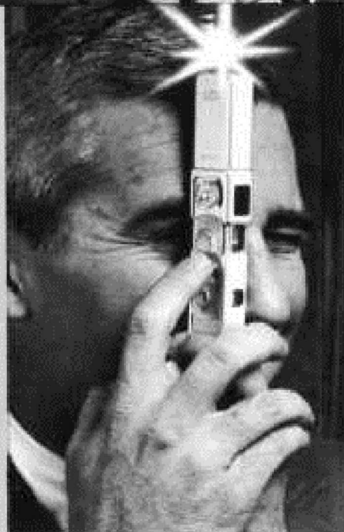
#68 Minox Color Correction Filter Kit for Minox B and IIIS. Regular Skylight, Medium Skylight and Flash Conversion.....\$13.95

#90 Minox developing tank. Daylight loading, with thermometer.....\$14.95

#92 Film developing kit. 15 sets of chemicals (ultra fine grain developer, fixer, wetting agent) in pre-measured quantities.....\$6.95



All prices subject to change without notice



1½ MINOX B/C oz. FLASH GUN

Just 2 x 1 x ½" ... yet is a self-contained, highly efficient flash unit that assures full illumination through its built-in telescoping reflector. Uses tiny all-glass "jelly-bean" flashbulbs. Complete with genuine leather belt case.

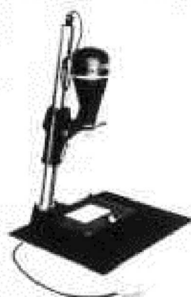
#31 Flash Model B for Minox B camera.....\$18.95

#31BL Flash Model B Black anodized finish.....\$20.95

#32 Flash Model A for Minox III S.....\$18.95

#32BL Flash Model A Black anodized finish.....\$20.95

#36 Battery for Minox B/C flash.....\$1.15



#80 New Minox enlarger/copy stand has f/3.5 micro-Minox lens, double condensers, tilt-back lamp housing. Built-in light diffuser. Enlarges up to 10 x 14 \$199.50



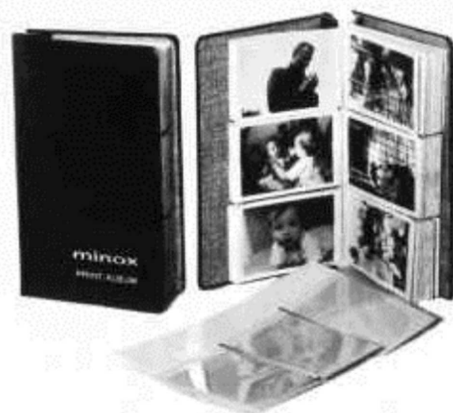
TRANSPARENCY VIEWER-CUTTER

#53 Examines frames through built-in magnifier. Choose the ones you want to mount ... then cut them accurately. \$14.95

MINOX 30 x 30 mm SLIDE BINDING KIT



#54 Materials to complete 50 Minox slides. Includes slide frames, metal masks and cover glass. \$5.95



Has transparent plastic pockets for 102 standard size Minox prints. Expandable to any size through refills. Covered with smooth, padded, simulated brown leather and gold-leaf Minox imprint.

#120 For $2\frac{3}{4} \times 3\frac{3}{4}$ " prints\$6.95

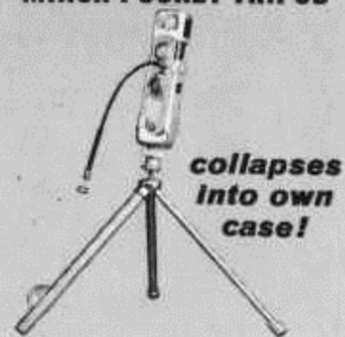
#120A For $3\frac{1}{2} \times 4\frac{3}{4}$ " prints\$6.95



#94 Specially designed for viewing Minox negatives or transparencies to select frames for prints or slides\$6.95



MINOX POCKET TRIPOD



#73 $7\frac{1}{4}$ " long by $\frac{3}{8}$ " diameter. Chrome finish. Includes clamp and leather case\$26.50

#71 Camera clamp for attaching Minox to any standard tripod\$7.95



#76 Adjustable copying stand. Convenient, sturdy stand for copying letters, book pages, etc. $4 \times 5\frac{1}{2}$ " to 10×12 ". Adjustable for distances from 8 to 18 inches. Folds down to $1 \times 1\frac{1}{2} \times 9$ "\$34.50

WHO'S TOO YOUNG?

Little Christopher Locardo didn't know that he was about to get his first lesson in Minoxography when he and his brother, Joe Jr. and their dad, Mr. Joseph Locardo, stopped by our offices. But young Christopher was such a charming and curious fellow that we couldn't resist the opportunity to get him started Minoxing. In just a few minutes he seemed to have earned his "Masters in Minoxography" and was inviting us to join the fun. His visit started us thinking — Is there anyone too young for Minox?



MINOX MEMO

P. O. Box 94, Forest Hills 75, N. Y.

Form 3547 requested



PEEK-A-MINOX ???

(SEE Page 7)

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U. S. POSTAGE
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Permit No. 232

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Volume 8, Number 2

Summer/1970

X-RAY EXAMINATION DESTROYS VACATION SNAPSHOTS

*News story from the FRANKFURTER ALLGEMEINE ZEITUNG
(West Germany's most important daily paper)*

STUTTGART—June 14, 1970. Increased security measures at several international airports pose a threat to the vacation snapshots of many tourists. According to information released by KODAK AG (Stuttgart), growing complaints received in recent weeks indicate that X-ray equipment for the examination of baggage and air shipments has been installed at a number of foreign airports. Films packed in containers which are X-rayed would be unusable as they would receive additional exposure by the radiation. Tourists are advised to carry their films in their hand luggage which is examined merely by customs officials.

In this issue:

- THE HISTORY OF MINOX and THE NEW MINOX C
- COPYING WITH A MINOX
- WHICH BLACK AND WHITE FILM SHOULD I USE?
WHICH COLOR FILM SHOULD I USE?



Dr. Guy S. Alfano Wins A New Minox C

Dr. Guy S. Alfano (left) accepts his First Prize in Minox Processing Laboratories "Win A Minox C" camera contest. Don O. Thayer, Jr. President of MPL flew to Eggertsville, New York to personally present Dr. Alfano with his camera. Other winners listed on page 7.

SPECIAL ANNOUNCEMENT

THERE MAY BE A FULLY AUTOMATIC NEW ELECTRONIC MINOX MODEL C CAMERA JUST WAITING FOR YOU TO CLAIM IT AT MINOX PROCESSING LABORATORIES, FOREST HILLS, NEW YORK

See pages 8 and 9 for details



THE FREE DESIGN is a young singing quartet that is taking the music world by storm. They have four best-selling record albums on the market. They are KITES ARE FUN, YOU COULD BE BORN AGAIN, HEAVEN/EARTH AND "FREE DESIGN."

THE FREE DESIGN is a young singing quartet that has had phenomenal success since their appearance in January of 1968. With such credits as the Tonight Show with Johnny Carson, the Mike Douglas Show, the Merv Griffin Show and the Dick Cavett, Skitch Henderson and Ed Nelson shows they're destined for even greater success.

They were chosen to perform at the Inaugural Ball in Washington, D.C. on January 20, 1969 and last December appeared with Pat Boone on the TV Special, The Magic of Christmas, shown on the major Canadian network.

They have made numerous concert appearances in colleges and were chosen to perform at Kaufman Auditorium in Manhattan, in a program of serious contemporary music which presented new works by outstanding young composers of America.

(Below left) Paul Griffin, who uses both hands when he is at the piano for THE FREE DESIGN recording sessions, gets tricky with a Minox. (Below Center) Sandy Zynczak had so much fun learning to hold a Minox C that she had to get one for her hubby. (Below right) Ellen Lorrie is serious about her Minox picture-taking. We hope she didn't get her fingers in front of the lens.



PAUL GRIFFIN



SANDY ZYNCZAK



ELLEN LORRIE DEDRICK

THE HISTORY OF THE MINOX—THE WORLD'S SMALLEST PRECISION CAMERA



**MINOX
Model A**

More than 35 years ago a German photographer in Riga, Latvia, carved a little piece of wood small enough to fit in the palm of his hand, and to disappear inside a closed fist. The man's name was Walter Zapp, and the little piece of wood was the first step in the realization of his dream: An ultraminiature camera that people could have with them always, wherever they went,

whatever they were doing.

Such a camera, Zapp realized, would have to be more than simply tiny: It would have to be very precisely constructed, and at the same time extremely simple to operate.

In 1938 the design was completed, after years of critical experimentation. Zapp succeeded in infecting a manufacturer with his enthusiasm for this finger-size camera, and the first MINOX cameras were produced.

The exterior design of the MINOX with its enclosed lens and viewfinder, and familiar "push-pull" rapid-transport mechanism, has changed very little over the years. Even the famous MINOX B with built-in exposure meter closely resembles its pre-war ancestor. But this resemblance is only external, for the MINOX of today has undergone so many internal improvements that it can hardly be compared with the original 1938 model.

After the war Walter Zapp found himself in Western Germany, a refugee for whom everything seemed lost. Everything, that is, except his dream of a little camera with which people could make big pictures.

In Wetzlar, a famous center of the West-German optical industry, Zapp made a fresh start. Working largely from memory, he soon completed a new set of engineering blue-prints. All he lacked was money, and practically everything else needed to put the little camera into production. But he used this time well, redesign-

ing, refining and improving the original MINOX mechanism. An entirely new lens of superior optical performance, the 15 mm COMPLAN f/3.5 was computed for the post-war models to be. And a whole new line of MINOX accessories was developed in order to expand the little camera's sphere of applications.

Still another obstacle of a very different sort remained to be overcome: Many photographers refused to believe that anything so small could be a real camera! A camera, they maintained quite seriously, was a big black-and-chrome thing one carried about in a leather case with a shoulder-strap. Nothing so tiny as the MINOX could possibly fit the bill.

But the first post-war MINOX cameras, manufactured in improvised Wetzlar workshops, soon caused a rising tide of doubt. From the tiny 8 x 11 mm ultra-miniature MINOX negatives came pictures, and very good and sharp ones at that. The precision, elegance and convenience of this remarkable ultra-miniature design won enthusiastic friends for the MINOX in every corner of the globe. Using the world's smallest still-camera film format, the MINOX is today sold in more than 100 different countries and is far-and-away the best-seller of the ultra-miniature camera world.

The present MINOX factory in Heuchelheim, a little village between Wetzlar and Giessen, was opened in 1948. Here, all parts of the MINOX, from lens to body, and all MINOX accessories including exposure meters, enlargers and



MINOX Model B

(Continued on
page 4)

History of the MINOX

(Continued from page 3)

projectors, are manufactured under one roof. A work force of approximately 1000 engineers, opticians, fine-mechanics and workers is today devoted solely to the production of the MINOX line of cameras and accessories.

Many modern machine-tools and the skill of hundreds of superbly skilled lens-grinders and machinists are needed to guarantee MINOX quality, a by-word in the ultra-miniature camera field. More than this, however, the MINOX company employs one of the most rigid quality-control programs in the entire optical industry to ensure that every MINOX camera exploits its little negative format to the fullest extent possible. Mechanical tolerances are measured in microns, the thousandth part of a millimeter, or 1/25,400th part of an inch. The period you put at the end of a type-written sentence usually has a diameter of about 1 mm, or a thousand microns!

The spirit of perfectionism needed to perpetuate these high manufacturing tolerances are inculcated in the young apprentices who train for four years before becoming full-fledged members of MINOX's optical or mechanical departments. On the MINOX B camera are two small transparent arc-shaped windows through which one reads the frame number and position of the exposure meter needle. MINOX apprentices are made to grind these windows as perfect optical flats — not because this is really necessary, but to nurture the tradition that no part of this mighty midget can be less than perfect!

Three camera models are produced today, the MINOX IIIS, without meter, the MINOX B, with built-in exposure meter, and

the newest model electronic MINOX C with computerized exposure automation.

The microscopically sharp image definition of the MINOX, permitting enlargements to normal print sizes, derives from the excellence of its mechanical and optical construction, and two interesting design innovations: The MINOX lens has no diaphragm, working always at its full f/3.5 aperture. This enabled the designers to concentrate their correction for a single aperture, and by-passed the problem of diffraction, a source of poor image definition when small lenses are stopped down. Unlike most other cameras, the MINOX filmplane is not flat. Instead, a precision mechanism forces each frame against a precisely ground spherical pressure-plate computed exactly for the 15 mm COMPLAN lens. This innovation gives the MINOX unusually good flatness of field which produces the corner-to-corner picture sharpness for which it has become so famous.

The model IIIS has the same basic features as the post-war MINOX models, with the addition of flash synchronization for flash-bulbs as well as electronic-flash. Introduced in 1952, the popular IIIS measures 3¼ inches long, and its impressive specifications include shutter speeds from ½ to 1/1,000th of a second, focusing from infinity to 8 inches, an automatically parallax-compensated bright-frame optical viewfinder, two built-in color filters, and the famous 15 mm COMPLAN f/3.5 lens. All this in a camera weighing 2½ ounces!

1958, "the year of the model B," saw the MINOX catch fire, especially in the USA where deliveries had to be rationed severely against a clamoring demand. The MINOX photographer who previously carried an exposure meter as large as, or more probably larger than his camera, now had a complete meter-plus-camera unit measuring only a scant 3⅞ inches long.

In Spring of 1969, the newest model MINOX C was introduced. Although it differs little in size and shape from



MINOX
Model C

its predecessors, it is the world's first ultra-miniature camera with automatic electronic exposure control. With the exception of the two electromagnets, the automatic electronic exposure control system of the MINOX C, which controls shutter speeds that vary from seven seconds to 1/1000th of a second, utilizes all solid state construction and printed circuitry. Overall the camera weighs only four ounces including the film and battery and is merely $4\frac{3}{4} \times 1\frac{1}{8} \times \frac{5}{8}$. It also features "picture preview" capability, a warning light to signal the need for slow speeds or flash and a countdown dial for 36 or 15 exposure films.

The world's smallest precision camera, and undisputed champion of the ultra-miniature field, the MINOX is one of West Germany's most respected camera exports. To the engineers and workers of the MINOX factory this world-wide acceptance is both a compliment and a challenge. As pioneers of ultra-miniature precision and progress they feel a special obligation to keep their famous camera in the forefront of technological progress. To this end a design group is constantly striving to improve this amazing little camera so that it will always be worthy of its motto: "Little MINOX/Big Performance."

● WHICH BLACK AND WHITE FILM SHOULD I USE?

There's a MINOX black and white film to suit every need. The guide below will help you to select the film which best fits your picture-taking requirements.

ASA 25—is an ultra-fine grain film perfect for use outdoors on sunny or cloudy bright days or indoors with flash. It offers a wide range of intermediate gray tones that makes it perfect for portraits as well as landscapes.

ASA 50—is a fine grain film suitable for outdoor pictures under average light conditions, on days with overcast skies, or if faster shutter speeds are desired. It can be used indoors with flash as well.

PLUS-X PAN ASA 125—is a high speed—fine grain film for use indoors with available light (no flash) and outdoors

on dull days. It is also suitable outdoors under bright skies using the neutral density filter that is built-in your MINOX Camera.

TRI-X PAN ASA 400—is especially designed for taking indoor pictures without flash using only available light. It can be used for pictures outdoors on overcast days and in the shade but it is not recommended for outdoor use in the sunlight.

MICRO COPY FILM—ASA 12—is specially designed for copy work. This is a high contrast film which produces extreme blacks and whites with almost no gray tones. This is desirable when copying letters, technical drawings, printed texts and documents.

● WHICH COLOR FILM SHOULD I USE?

There are three color films currently being packaged by the Minox factory. Two of these are color negative and specifically designed for color prints. The third is a color positive film and should only be used for slides for projection purposes.

Agfa CN-14 ASA 20—is a slow speed color negative film which features extreme fineness of grain. This film is excellent for outdoor picture-taking and can be used indoors with flash. It has one additional advantage in that if you specifically request it, prints can first be made in black and white. After you see the results, you can select the ones you like best and have color prints made. This option is only available with the Agfa CN-14 film for Minox. It is not suitable for projection slides.

Minocolor ASA 80—is a new high speed color negative film just introduced

adding a new dimension to Minox color photography. It permits color picture-taking of fast moving sports scenes by permitting faster shutter speeds and with adverse light conditions because of the films faster speed. It can also be used indoors with flash at greater flash to subject distances. Black and white prints are not possible from this film and it is not suitable for projection slides.

Minochrome ASA 20—is an extremely fine grain color positive film which produces positive transparencies. It has excellent color quality in daylight and can be used indoors with flash. The transparencies can be mounted in special 30 x 30mm Minox mounts that are used exclusively in Minox Projectors. Standard 2 x 2 cardboard mounts are also available for 35mm projectors. Color prints can be made too.

COPYING with your minox

Copy work is a specialized type of Minox-tography and it is usually necessary for a beginner to experiment to develop his technique in this area to the extent that he obtains perfect exposure for the particular type material he will be copying. The simplicity of copying with a MINOX is obvious because reproductions can be made with a minimal amount of preparation and even with no additional accessories. One needs no supplementary lenses because normal focusing begins at eight inches from the camera, nor is a near-focusing device or special viewfinder necessary because your MINOX has automatic parallax correction at all focusing distances. Even with extreme close-ups the MINOX Complan lens has its maximum definition at the full aperture pre-set at 3.5, because the film lies in a curved film plane in the camera. Distance can be measured with the measuring chain and your subject matter should be left within the luminous frame in the viewfinder.

Accessories to Use

Since the slightest camera movement will render printed material unreadable, it is advisable to use either the MINOX Pocket Tripod or the MINOX Adjustable Copying Stand to securely fix the camera in a position parallel to the surface of the subject you wish to copy.

Films for Copying

For copying paintings, photographs, sketches or any subject matter with intermediate gray tones, you should use ASA 25 black and white film or Agfa CN-14 or Minocolor ASA 80 color films. For letters, technical drawings, printed text or documents that have no gray tones you should use MINOX black and white Micro Copy Film ASA 12 which produces no gray tones but rather emphasizes dense blacks and extreme whites. Line drawings and printed text can be copied on a normal low speed film such as ASA 25, but your prints will not show extreme blacks and whites but rather dark gray and light gray surfaces, which have a tendency to appear less sharp than they really are.

Lighting

A normal light source such as daylight, flood lamps or ordinary light bulbs is suitable. If color positive film is used, be certain that the necessary color correction (either with filter or blue bulb) is made.



ADJUSTABLE COPYING STAND

Your subject should be evenly illuminated. This is normally no problem if daylight is your light source. With artificial light your bulbs should be placed in such a way that no shadows fall on the material being copied and the illumination must be even throughout.

It is difficult to control light distribution accurately with flash bulbs. However, if the flash is placed at about two feet from your copy and aimed so that it is in a flat angle to the surface, and if you use the neutral gray filter in front of your lens, satisfactory results are possible.

Exposure

In copy work your exposure should be exact. Over or under exposure will influence the contrast achieved unfavorably. If you do not use MINOX Micro Copy Film you can use your MINOX exposure meter set at the correct speed for the film being exposed. Since an accurate reading cannot be obtained from a page of printed text because 95% of the surface is white, and the printed lines are probably only 5%, your reading should be taken from a substitute surface of medium brightness. For example, a gray cardboard can be placed over the printed page and a reading taken under the actual light conditions to be used. This reading would then be effective for all kinds of printed matter under the same lighting conditions. Be certain that none of the light shines directly into the meter.

Suggestion

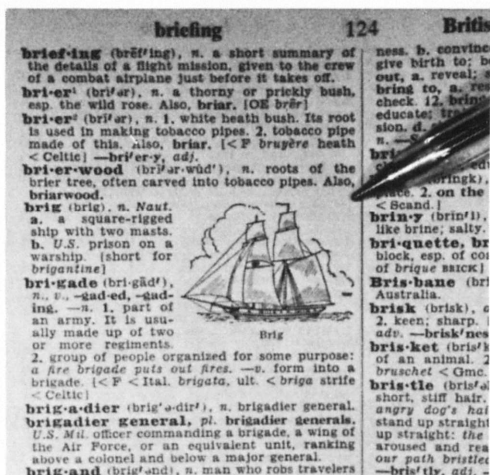
Filters

Subject	Filter	Expos.
Blue (ink) on white	orange	3 x
Red on white	green	2 x
Black on red	orange	3 x
Black on blue	none	norm.
Black on light green	green	2 x

Note

Field Size and Depth of Field Table
for close-up photography with the Minox. All distances measured from the front of the camera.

Distance Focused On	Field Size inch.	Depth of Field
8"	3½ x 5½	7½ to 8½
10"	4½ x 6½	9¼ to 10½
12"	6 x 9	11 to 13
18"	9½ x 12½	16½ to 20½



Taken with Plus-X Pan film at eight inches with available light.

terial you are photographing lies perfectly flat to prevent distortion.

Developing

MINOX Micro Copy Film requires a special high-contrast developer. An excellent formula if you wish to mix your own, is *Agfa 22*, listed below:

1,000 ccm Water	32 ounces
8 grams Metol	12 grains
8 grams Hydroquinone	¼ oz. 10 gr.
40 grams Sodium Sulfite, anhydrous	1¼ ounces
50 grams Sodium Carbonate, monohydrated	1¾ ounces
5 grams Potassium Bromide	15 grains

This formula makes sufficient working solution for the development of 25 MINOX films in the MINOX Tank. Developing time is 1½ minutes at 18° Centigrade (65°). After exactly 1½ minutes the development must be terminated and the tank flushed thoroughly with water. Agfa 22 is an energetic mixture and overdevelopment is easy if you are not particularly careful.

Since all other **MINOX** films are developed in ultra fine grain developer, they can be processed in the normal manner.

Keep in mind that with the use of the measuring chain on your Minox, you can copy "on the spot" with almost any type of film in your camera. Simply measure distance carefully using the premeasured distances of the chains' beads and get as accurate a meter reading as is possible. The results of "candid copying" can be surprisingly good.

MINOX

PROCESSING
LABORATORIES

ANNOUNCES ITS SECOND

"Win a minox C" CAMERA CONTEST

There has been an enthusiastic acceptance of the new model fully automatic, computerized MINOX C CAMERA and such an overwhelming response to our first "Win A MINOX C" camera contest, that we are starting our SECOND "WIN A MINOX C" contest right now . . . in time for all the summer and fall picture-taking. There are Fifteen new Minox C Cameras being given away ABSOLUTELY FREE. This is the first transistorized ultra-minature camera with electronic exposure automation featuring a "tiny solid-state" computer. Shutter speeds from 1/1000 to 7 seconds are

timed for you automatically to insure perfect exposure. The Minox C also offers "picture preview" capability, a warning light to signal the need for slow speeds or flash, and a count-down dial for 36 or 15 exposure films. There's automatic compensation for filter factors, a film gate that opens automatically for faster drop-in loading and much more. This compact camera measures just $1\frac{1}{8} \times 4\frac{3}{4} \times \frac{5}{8}$ inches and weighs under 4 ounces, complete with battery and loaded with film. With its snapshot distance setting, you simply "aim and snap" for perfect pictures every time.

FILM SPEED DIAL adjusts exposure automation for all films from ASA 6 to ASA 400.

SLOW-SPEED SIGNAL tells when tripod or flash should be used.

SHUTTER SPEED DIAL for automatic exposure, or for manual setting of speeds from 1/15 to 1/1000 sec.

CHECK SWITCH for slow-speed signal.

SHUTTER RELEASE BUTTON.

EXPOSURE COUNTER.

DISTANCE SCALE for critical focusing from infinity (∞) to 8 inches.

TELESCOPIC RAPID WIND advances film and exposure counter after each exposure by simply opening and closing camera.

SYNCHRONIZED FOR FLASH with AG-1B bulbs, cubes or electronic flash units.

CdS PHOTO RESISTOR CELL measures exposure — controls transistorized electronic shutter.

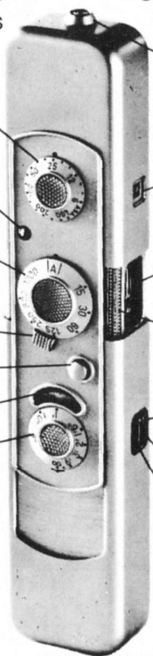
VIEWFINDER. Large field, sports type with brilliant luminous frame and automatic parallax compensation.

BUILT-IN FILTER. Neutral density, for extra bright scenes.

TRANSISTORIZED ELECTRONIC SHUTTER, automatically controlled by CdS cell for exposures from 1/1000 sec. to about 7 seconds.

BUILT-IN LENS SHADE WITH U.V. FILTER.

LENS: 15mm f/3.5, color corrected, four elements.



DROP-IN CARTRIDGE FILM LOADING—NO THREADING OR REWINDING.

The Minox C measures a mere $1\frac{1}{8} \times 4\frac{3}{4} \times \frac{5}{8}$ " and weighs under 4 ounces complete with battery and loaded with film.

15 PRIZES!

Yes, there are 15 PRIZES, each worth \$219.50! To find out if there is a newest model Minox C camera *just waiting* for you at Minox Processing Laboratories, Forest Hills, New York, here's what you do . . .

WE BELIEVE the quality processing by the original factory-authorized processors for Minox film in the United States is by far the best treatment your film can get. Only MINOX PROCESSING LABORATORIES specializes in Minox film EXCLUSIVELY to assure you of the finest quality pictures your Minox can produce. We are in no way affiliated with any other laboratory.

ONLY YOU have the number on the enclosed Special Entry Filmvelope. Pull it out of this MINOX MEMO and use it to send your next film (either black and white or color) to us for processing. And *we'll let you know immediately* if you've won a new fully automatic Minox C Camera. Your film will be processed in accordance with your instructions at our regular prices.

IF YOU PREFER, take your Special Entry Filmvelope to your *favorite photo dealer* and tell him to send it to Minox Processing Laboratories, Forest Hills, New York, 11375 for you. If you win, he wins a Special Bonus Prize of \$25.00 just for sending your Special Entry Filmvelope to us. You will both be notified immediately. Contest closes December 31, 1970.

REMEMBER, use your Special Entry Filmvelope with your very next roll of exposed Minox film. You may already have won a New Computerized MINOX C Camera.

**YOU
may already have won
a computerized
minox C camera**

WINNERS OF THE FIRST "WIN A MINOX C" CONTEST

Guy S. Alfano, M.D.
Egbertsville, N.Y.

F. A. O'Toole, M.D.
Clinton, Mass.

Automatic
Minox C camera

\$25.00 Minox
Processing

S. M. Kaufman, M.D.
Chicago, Illinois

George Norton
Rockville Ctr., N.Y.

Earl W. Warren
Toledo, Ohio

\$25.00 Minox
Processing

\$25.00 Minox
Processing

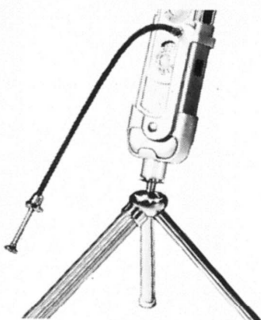
\$25.00 Minox
Processing



TELEPHOTO/BINOCULAR CLAMP

Attaches Minox to binoculars for thrilling close-ups. Adjustable for oculars from 1" to 2" diameter. Can also be used as microscopic clamp. Has built-in tripod socket and cable release socket. Cable release not included.

#60@ \$32.50



MINOX POCKET TRIPOD

Sets up in 10 seconds, collapses into own case. Has tilting head and cable release. 7¼ x ¾" diam. Includes camera clamp, leather case.

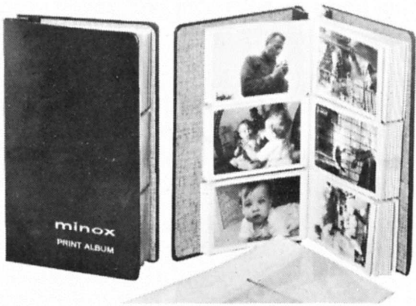
#73@ \$29.50



ADJUSTABLE COPYING STAND

Sturdy stand for copying letters, book pages, documents. Adjustable for distances for 8" to 18". Folds to only 9 x 1 x 1½".

#76@ \$37.50

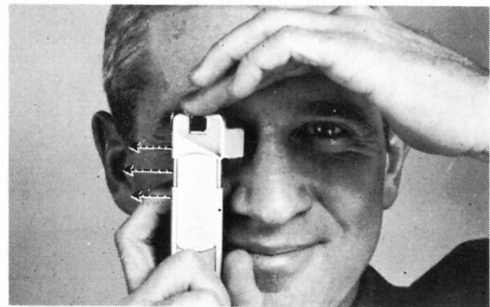


MINOX PHOTO ALBUM

Has transparent plastic pockets for 102 standard size Minox prints. Expandable to any size through refills. Covered with smooth, padded, simulated brown leather and gold-leaf Minox imprint.

#120 For 2¾" x 3¾" prints. . . .@ \$7.95

#120A For 3½" x 4¾" prints. . . .@ \$7.95



RIGHT-ANGLE FINDER MIRROR

Perfect for around-the-corner picture taking. Shoot to the right or left while facing straight ahead. Great for candid photography.

#64 Universal Right Angle Mirror @ \$6.50



REFLEX VIEWFINDER

Lets you take pictures at waist level or near the ground for angle shots, or wherever eye-level isn't desired.

#65 Reflex Viewfinder for Minox B @ \$18.50

#66 Reflex Viewfinder for Minox IIIS @ \$18.50

DEAR MR. THAYER: Please rush me the following:**BLACK AND WHITE FILM**

- Boxes ASA 12 Micro (2-50 exp. cassettes) @...2.75
- Boxes ASA 25 (2-36 exp. cassettes) @.....2.75
- Boxes ASA 50 (2-36 exp. cassettes) @.....2.75
- Boxes Plus-X ASA 125 (2-36 exp. cassettes) @...2.75
- Boxes Tri-X ASA 400 (2-36 exp. cassettes) @...2.75

COLOR FILM

- Agfa CN-14 ASA 20 (1-36 exp. cassette) @.....2.30
- Agfa CN-14 ASA 20 (1-15 exp. cassette) @.....1.69
- Minocolor ASA 80 (1-36 exp. cassette) @.....2.70
- Minocolor ASA 80 (1-15 exp. cassette) @.....1.98
- Minochrome ASA 20 (1-36 exp. cassette) @.....2.85

FLASH ACCESSORIES AND BATTERIES

- 49 Universal Minox Bulb Flasher - Chrome @...21.95
- 31 Bulb Flasher for Minox-B - Chrome @.....21.95
- 43 Universal Minox Cube Flasher - Chrome @...21.95
- 40 Cube Flasher for Minox-B - Chrome @.....21.95
- 32 Bulb Flasher for Minox III-S - Chrome @...21.95
- 45 Heliotron ME-1 Electronic Flash for B and C model cameras - complete @.....84.95
- 46 110-240V AC Charger for ME-1 @.....11.95
- 36 Eveready #504 15v Battery for Bulb Flasher @.....1.15
- 52 PX825 Battery for Cube Flasher - 2 per card @.....1.25
- 20 PX27 Battery for Minox-C, replacement @...1.25
- 37 Electronic Flash Battery U-160, 240V @...7.95
- 34 AG-1 Flashbulbs (clear) sleeve of 12 @...1.80
- 34B AG-1B Flashbulbs (blue) sleeve of 12 @...1.80
- Flashcubes 3 cubes/12 flashes @.....1.95

ALBUMS AND FOLDERS

- 120 Minox Album (2 3/4 x 3 3/4 size prints) @...7.95
- 120A Minox Album (2 1/2 x 4 3/4 size prints) @...7.95
- 121 Album Refills (2 3/4 x 3 3/4 size prints) @...2.95
- 121A Album Refills (3 1/2 x 4 3/4 size prints) @...2.95
- 123 "You've Been Minox'd" Folders and Envelopes (Box of 50 each) @.....2.95
- 126 "Minox Memo" Binder @.....3.95

ENLARGING EQUIPMENT

- 80 Minox Enlarger @.....219.95

CASES AND CHAINS

- 136 Eveready case for Minox C - Black @.....7.25
- 139 Minox C - Belt Case - Black @.....7.95
- 134 Minox B - Belt Case - Black @.....6.95
- 132 Minox III-S Standard Case - Black @.....6.50
- 135 Minox III-S Belt Case - Black @.....6.95
- 131 Minox B - Standard Case - Black @.....6.50
- 112 Heliotron ME-1 Belt Case - Black @.....8.95
- 107 B/C Flash Case (Model B) Brown @.....6.50
- 137 B/C Flash Case (Model B) Black @.....6.50
- 108 B/C Flash Case (Model III-S) Brown @...6.50
- 138 B/C Flash Case (Model III-S) Black @...6.50
- 109 Minox Table Tripod Case - Brown @.....4.25
- 110 Reflexfinder/Right Angle Mirror Case @...2.50
- 121 Camera Chain Chrome for Minox-C @...3.95
- 116 Camera Chain Chrome for III-S or B Models @.....3.95

DEVELOPING EQUIPMENT

- 90 Developing Tank W/Thermometer @.....17.50
- 96 Liquid Developer (5 Vials) @.....2.95
- 94 Film Viewer/Magnifier @.....10.95

CAMERAS

- Minox C, Automatic Electronic, Satin Chrome, Complete with Eveready Case and Chain @..219.50
- Minox B, Satin Chrome Complete with Standard Leather Case and Chain @.....184.50
- Minox III-S, Satin Chrome, Complete with Standard Leather Case and Chain @....149.50

PROJECTION ACCESSORIES

- 402 Minomat-N Automatic Projector @.....239.50
- 047 Carry-All Case for Minomat-N with Built-in Screen @.....37.50
- 403 Minotact Projector @.....139.50
- 048 Vinyl Carry-Case for Minotact @.....13.50
- 45 Slide Magazine (holds 36 slides) @.....2.50
- 55 Slide Safe @.....2.50
- 58 Minox Slide Mounts (for Minox Projectors only) Box of 36 mounts @.....5.35
- 56 Slide Mounts, 2 x 2 cardboard for Standard Projectors - Box of 50 @.....1.95
- 53 Transparency Viewer-Cutter @.....19.95
- 42 12V 100W Projection Bulb @.....5.90

MINOX JEWELRY

- J-1 Silver Oxidized Minox Cuff Links @.....2.95
- J-2 Gold Plated Minox Cuff Links @.....3.50
- J-3 Silver Oxidized Minox Tie Tack @.....1.50
- J-4 Gold Plated Minox Tie Tack @.....1.95
- J-5 Silver Oxidized Minox Tie Bar @.....2.95
- J-6 Gold Plated Minox Tie Bar @.....3.50
- J-7 Silver Oxidized Minox Tie Tack & Chain @...2.50
- J-8 Sterling Silver Minox Charm/Pendant @...4.95
- J-9 14K Gold Minox Charm/Pendant @.....24.95
- J-10 Sterling Silver Minox Earrings @.....9.95
- J-11 14K Gold Minox Earrings @.....47.50

BOOKS

- Minox Manual - New Revised Edition by Dr. Joseph D. Cooper @.....7.95
- The Minox Guide by W. D. Emanuel @.....2.50
- "Small Minox - Big Pictures" by Rolf Kasemeier - Special @.....2.50

CAMERA ACCESSORIES

- 60 Telephoto Binocular Clamp @.....32.50
- 75 Standard Cable Release @.....1.50
- 64 Universal Right-Angle Mirror @.....6.50
- 65 Reflex Viewfinder for Minox-B @.....18.50
- 66 Reflex Viewfinder for Minox-III-S @.....18.50
- 69 Filter Kit for Minox C @.....15.95
- 67 BL/WH Filter Kit for Minox B @.....13.75
- 767 BL/WH Filter Kit for Minox III-S @...13.75
- 68 Color Correction Filter Kit for B/III-S @...15.95
- 71 Camera Clamp for Tripods @.....8.95
- 73 Minox Pocket Tripod with Camera Clamp, Cable Release and Zip Case @.....29.50
- 74 Special Cable Release (fits tripod leg) @...1.75
- 75 Standard Cable Release @.....1.50
- 76 Minox Adjustable Copying Stand with Built-In Camera Clamp @.....37.50

SMALL MINOX - BIG PICTURES

Classic pocket-size guide book to Minox photography. Illustrates and explains every use of the Minox B and III-S and accessories. Regularly \$3.95 while they last—\$2.50.

☐ Check or Money Order Enclosed

☐ Charge My Account

NAME _____

ADDRESS _____

CITY _____

STATE _____

ZIP _____

☐ PLEASE SEND ME A BROCHURE WHICH DESCRIBES AND ILLUSTRATES THE FULL LINE OF MINOX EQUIPMENT AND ACCESSORIES AND THEIR COSTS.

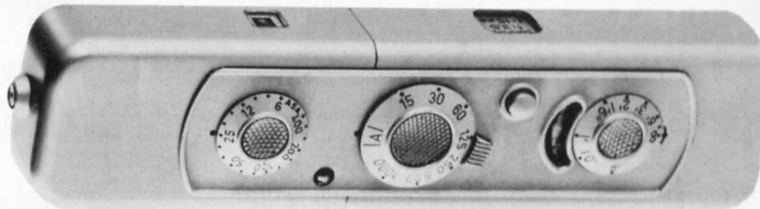


MINOX MEMO

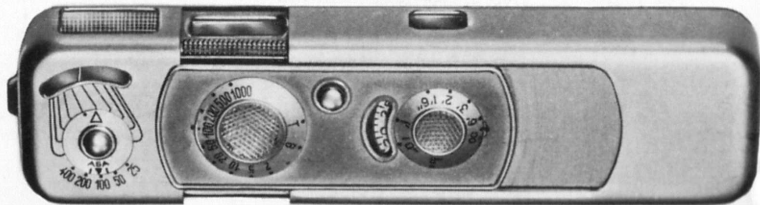
MINOX PROCESSING LABORATORIES

P.O. Box 94, Forest Hills, N. Y. 11375

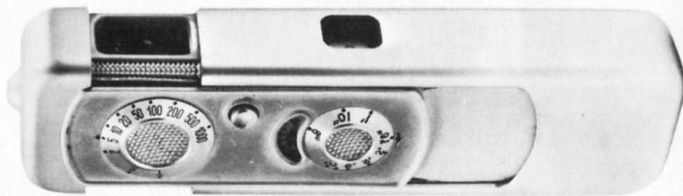
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MINOX-C

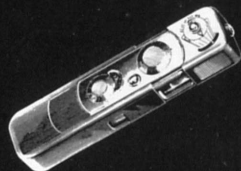


MINOX-B



MINOX-IIIIS

minox
minox
minox



MINOX MEMO

GRATIS TO REGISTERED OWNERS OF THE FABULOUS MINOX CAMERA AND ITS AMAZING ACCESSORIES, PUBLISHED BY MINOX PROCESSING LABORATORIES, P.O. BOX 94, FOREST HILLS, N.Y. 11375

Volume 9, Number 1

Winter/1971

GRAND PRIZE MINOX "C" WINNERS!



Rabbi David J. Spritzer (below) of Temple Beth Am, Los Angeles California said:

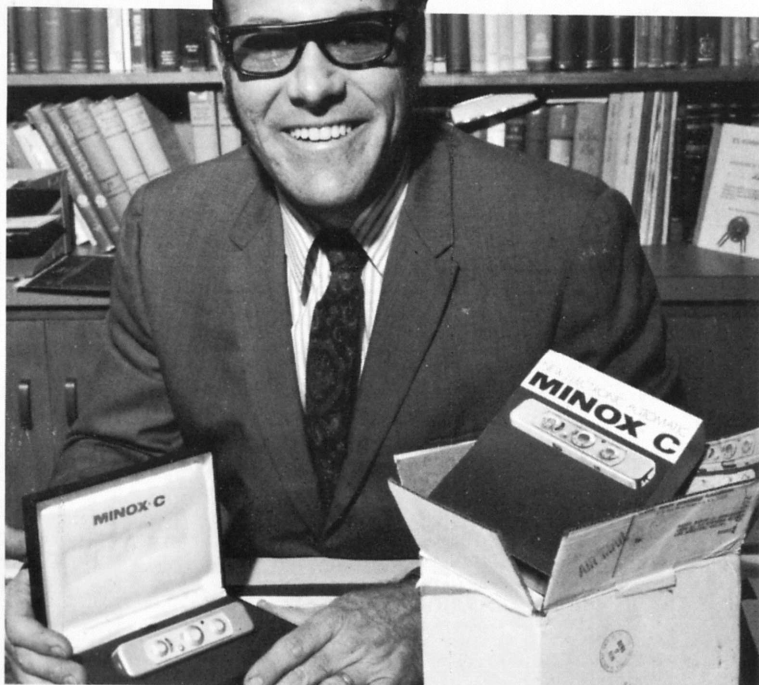
"I am extremely pleased to be the owner of this new Minox C and am confident of continued satisfaction from it. Thank you ever so much."

For a complete listing of all winners see pages 4 and 5.

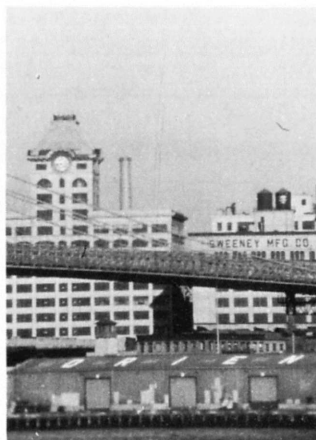
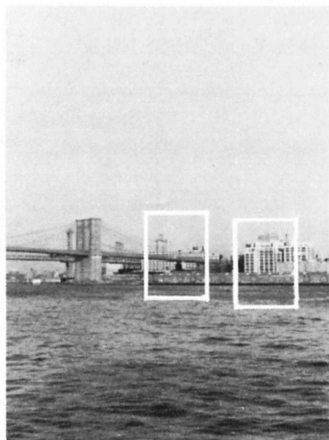
We had an overwhelming response to our second "Win a Minox C" contest.

When Mr. Bruce Collins (above) of Detroit, Michigan discovered he'd won a new Minox C Camera he wrote the following:

"I still can't believe that I'm a winner of your contest. When I received your telegram you might say I was surprised. I've been involved with Minox photography for seven years. In that time I've taken pictures all over the world under almost any condition that there is. Most of the pictures I've taken wouldn't have been made if I had used an ordinary camera system. The camera would have been in the closet instead of on my belt."



MINOX BINOCULAR PHOTOGRAPHY



The photo at left was taken with ASA 25 film and a Minox B camera with the shutter speed at 200. The center and right photos were taken with a **MINOX** Telo Photo Binocular Clamp on a Minox B camera using 6x30 binoculars and a shutter speed of 100. The framed areas on the left photo are the complete pictures in center and left as taken with binoculars.

The simplicity in using a **MINOX** camera with a pair of binoculars to take telescopic pictures has given owners many happy hours of enjoyment.

For the Minoxer already in possession of a pair of binoculars, he need only purchase the **MINOX** Telephoto Binocular Clamp to permit incredible photos of distant subjects.

With the binocular clamp, you can attach the **MINOX** to any pair of binoculars. The 6 x 30, central-focus type seems to be the most convenient. They are light enough to take hand-held exposures. The larger sizes, 7 x 35 and 7 x 50, can be rather cumbersome for hand-held shots, while the more powerful binoculars will be found to be most unsatisfactory unless mounted on tripods.

The numbers on each pair of binoculars, tell you two important characteristics of the instrument; its degree of magnification and its light gathering power. The first number tells the amount of magnification. For example: with a 6 x 30 pair of binoculars, the object is brought 6 times closer. The second number, 30, denotes the diameter of the front lens.

The focal length of the **MINOX** is equal to 15mm and when multiplied by the enlarging factor of the 6 x 30 pair of binoculars the focal length is extended to 90mm.

With this arrangement, the camera and binoculars combination will have a converted focal length of 90mm and an aperture of f 3.5. This is truly a powerful

combination. The relatively fast lens aperture allows you to make use of the slow, finest grain films, or to be able to use films like Plus-X at shutter speeds of 1/1000 of a second. You can be fully equipped to take telephoto pictures indoors or outdoors at major sporting events, to take pictures on hunting trips, or to engage in super candid photography.

The binocular clamp is attached to the fixed eyepiece, when using the 6 x 30 central wheel focusing. If using binoculars with individual eyepiece focusing the camera can be attached to either eyepiece. In either case the outer plastic ring on the eyepiece to be used, must be removed. The lens of the **MINOX** must be as close as possible to the ocular lens of the binocular. If you do not remove this eyepiece ring, the distance between the lens of the camera and the ocular will be too great and your negative will show only a small circular image instead of a full picture.

Before attaching your **MINOX** to the binocular clamp, be certain that the distance dial is set at infinity.

To focus with the 6 x 30 center-focusing pair of binoculars, set the eyepiece to be used as the viewfinder at the zero mark. In cases of visual defects you can adjust the eyepiece up to 2 or 3 diopters in either direction to compensate for the individual.

The best method of focusing is to run

(Continued on page 6)

MINOX—

FOR BUSINESS AND PLEASURE

Irvine M. Schofield, National Accounts Executive of Wilson Freight in Stratford, Connecticut has been Minoxing for years. He is Editor of the Traffic News and the Wilson Freight Photo Album. Of the joys of combining Minoxology with business and pleasure he writes the following:

In June of 1958 I started publishing a bulletin of coming events in the traffic and transportation field which also contained pictures of people taken at these many affairs. After trying out several cameras, I found that the Minox was the best suited for my purpose. I bought a Minox III which is the small one with no light meter. By using the ASA 125 film at 1/20th of a second inside, I was able to obtain excellent pictures which I reproduced in my publication. This camera is worn rather than carried and during the evening of the many functions I attend, I can take pictures with a minimum of fuss. Actually, I simply ask a group if I can take their picture and I have it taken and the names recorded before they know what has happened. It is necessary then to explain all about the camera because the people become excited and interested in how I did it. Several people have bought the Minox because of seeing what I do and others who own one already have asked about it in order to learn more. I take about 200 pictures a month for this publication which is called The Traffic News and have done so for the past 13 years. Also during these years I have found many uses for the Minox. I have taken pictures of all kinds of affairs; wed-

dings from start to finish, social affairs, suppers, special dinners and political rallies. I have had these pictures reproduced so that all who have attended these functions can have a copy of the pictures. I have enclosed some examples of this — I have many more at home.

About a year or so ago, when the Minox C came out, I bought one, along with the electronic flash attachment called the ME 1. I now use this camera with the ASA 25 film and the flash and the results have been amazing. I have had many of the pictures enlarged to 11 x 14 and no one will believe these pictures were taken by such a small camera as the Minox. I would not give up my Model III which I wear on my belt at all times—even when working in the yard or around the house as it has become a part of me, but the Model C is better for me at the various affairs which usually take place in restaurants and halls and sometimes the lighting would not be adequate enough for the Model III. With the III on my belt and the C in my pocket I can get perfect results in any room regardless of the available light and no one even knows I have a camera with me. I take so many pictures now with my pair of Minoxes that it has become a sort of way of life with me as well as helping my business relations with customers tremendously.

Many thanks for your cooperation with me over these past 13 years and also for the courteous and helpful treatment I have received from everyone at Minox Processing Laboratories.

A LIGHTNING EXPERIMENT

The lightning picture at left was taken by Mr. D. A. Stuart of Saratoga, California. It was just before a rather violent thunderstorm at 11 p.m. in Key West. The camera was clamped to a balcony railing with the shutter opened to the "bulb" setting on his Minox B. It was held opened until the flash of lighting occurred about 10 seconds later. As Mr. Stuart puts it "An Experiment That Worked!"

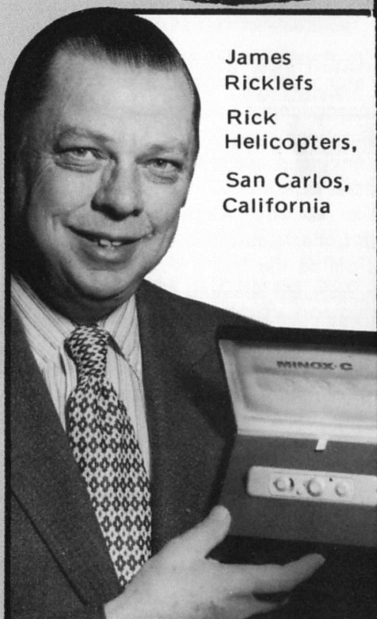


STOCKING STUFFER! WINNERS!

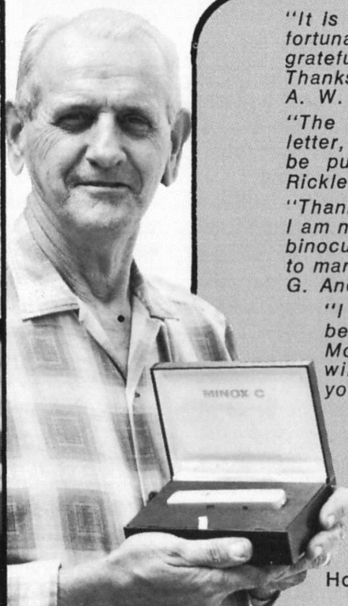


Don O. Thayer (left) and Authur J. Branch of The First National City Stocking Stuffer Winners of Minox Processing Laboratories in Forest

A. W. Neubauer
N. Hollywood, California



James
Ricklefs
Rick
Helicopters,
San Carlos,
California



"It is with great elation that I find myself so fortunate as to win a fine Minox C. I sure am grateful that you have had me for a customer. Thanks from the bottom of my heart" . . . A. W. Neubauer

"The camera arrived the same day as your letter, and to say that I was delighted would be putting it mildly" . . . Mr. James S. Ricklefs

"Thank you again for my winning a Minox C. I am now the proud possessor of a Strobe and binocular attachment and am looking forward to many interesting hours with it" . . . Howard G. Anderson

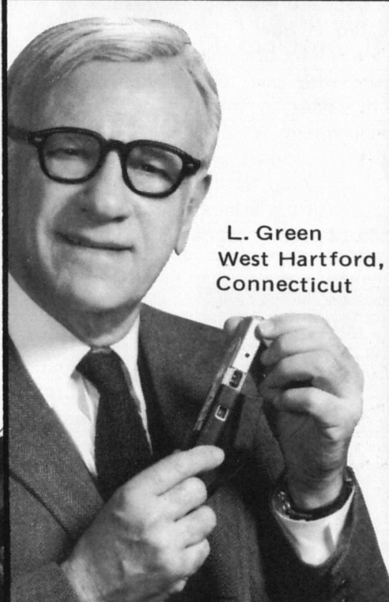
"I have always admired the precision and beauty of these little cameras, but the Model C is the ultimate and I know I will be enjoying it for many years. Thank you again" . . . Mr. R. H. Suits

"To put it mildly, I was surprised and overwhelmed to learn I was one of the lucky winners. It meets all my expectations; it is my pride and joy" . . . Mr. Samuel H. Miller

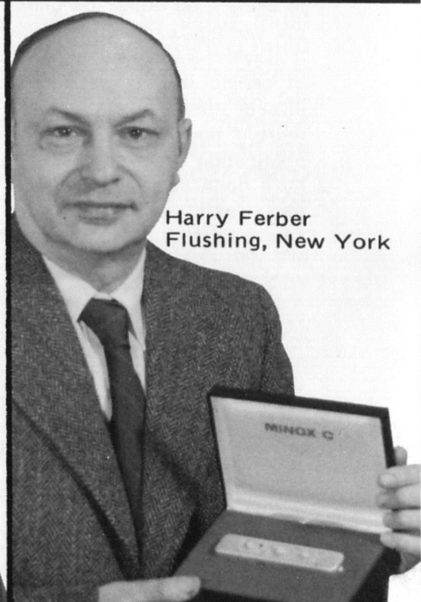
The Fifteen Winners of the Second "Win A December 31, 1970 and the Stocking Stuffer Howard J. Fairbairn of Margaretville, N.Y. and R.



H. C. Anderson
Philadelphia,
Pennsylvania



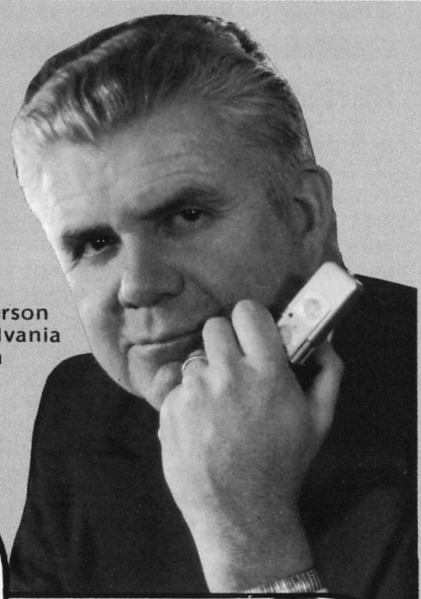
L. Green
West Hartford,
Connecticut



Harry Ferber
Flushing, New York



Robert C. Anderson
Bell of Pennsylvania
Athens, Georgia



B. Moehring, Manager of the Forest Hills Bank. Mr. Moehring picked the thirteen C Cameras on March 1, 1971 at Minox Hills, New York.

Percy A. Perkins
Mobile, Alabama

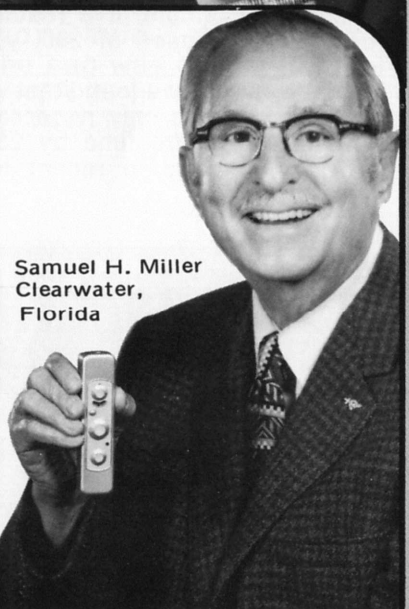
"Thank you very much for the new Minox C. I don't believe I have ever won anything before in my life so you can imagine my surprise when I received the camera and your letter" . . . Mr. Percy A. Perkins, Jr.

"I want to thank you very much for the prize I won. I will remember your company every-time I am taking pictures" . . . Mr. John L. Harkrader.

"Nothing could have pleased me more than to be the recipient of a new Minox C. I have been an enthusiastic Minoxer since 1959 and spread the Minox gospel every chance I get" . . . Robert L. R. Smith, D.D.S.

"Needless to say, I was delighted to have your letter of March 4 and in the same mail to receive the new "C" camera. Please express my appreciation and regards to the person who drew my name" . . . Mr. Robert C. Anderson

"I was very, very, surprised to win a Minox C. It was a real pleasure to win it and it will be one of my prize possessions" . . . Mr. Howard Falbalm



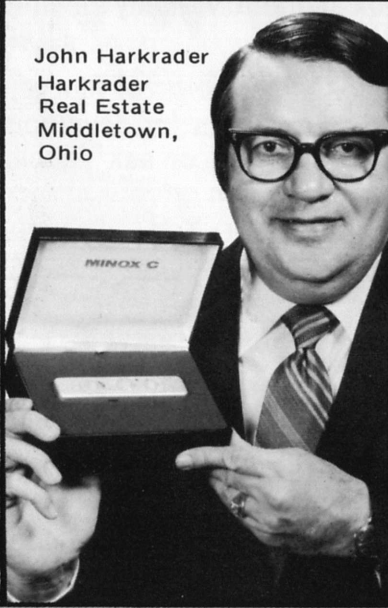
Samuel H. Miller
Clearwater, Florida

Minox C" Camera Contest which closed Drawing held on March 1, 1971 include K. Dutton of Cleveland, Ohio, not pictured.

R. H. Suits
Jacksonville, Florida



John Harkrader
Harkrader
Real Estate
Middletown, Ohio



Dr. Robert L. R. Smith, D.D.S.
Dayton, Ohio



MINOX BINOCULAR PHOTOGRAPHY *(Continued from page 2)*

a bracketed series of test exposures. Turn the central focusing wheel until your image appears perfectly sharp. Make a test exposure for this setting and then take 2 or 3 exposures at additional points to the left and to the right of your first exposure, these additional settings should be about an $\frac{1}{8}$ inch apart.

Because of the added distance from the binocular lens to the lens of the **MINOX**, there is normally a loss of light in the lenses and prisms of the binoculars. This varies with the particular binoculars being used. To compensate for this, exposure time must be extended. This is most effectively determined by actual tests for comparison. Normally the exposure period is prolonged $1\frac{1}{2}$ to 2 times. For example, if a reading called for a shutter speed of 200, you would use 100.

Oddly enough we found that with some binoculars it was only necessary to extend the exposure time by 25% using ASA 25 film and in recent tests with

Minocolor ASA 80, we found that there was no need to compensate at all. Excellent results were obtained relying solely on the readings obtained by the **MINOX** B exposure meter and the automatic setting on the **MINOX** C. Compensation with the **MINOX** C can be made by setting the film ASA indicator one dot lower. For example, if ASA 25 film was being used the ASA dial should be set to ASA 20.

Excellent results were obtained with taking pictures of objects at a distance of 150 yards or more by simply leaving the central focus wheel and the right ocular (viewfinder) on the "0" mark. This, of course, will differ with the individual and we strongly suggest running a bracketed series of test exposures.

The camera and binoculars should be held firmly and a cable release should be used. The use of a tripod whenever possible is, of course, very desirable and is a necessity when using larger and more powerful binoculars.

A MINOX FILM FOR YOU

WE INVITE YOU TO ACCEPT . . . a 36-exposure roll of the Minox factory-packaged film of your choice, at no additional cost with your next develop and print order. The wide range of black and white and color films make the capability of your Minox camera virtually unlimited. Unleash your picture-taking creativity!

TO QUALIFY . . . Simply check your choice of film on the Special Filmvelope attached and send your next film for developing and printing to MINOX PROCESSING LABORATORIES or ask your local photo dealer to send it to us. The complimentary film of your choice will be enclosed with your completed processing order. Your Filmvelope with a film for developing and printing must be received before March 31, 1972. Limited to one complimentary film per Filmvelope. (We're sorry, but orders for developing only, or additional prints, do not qualify).

IN ADDITION . . . your film will receive the finest quality processing possible. Minox Processing Laboratories in Forest Hills, New York, is the original factory authorized processor for Minox film in this country, and the only one that specializes in Minox film exclusively.



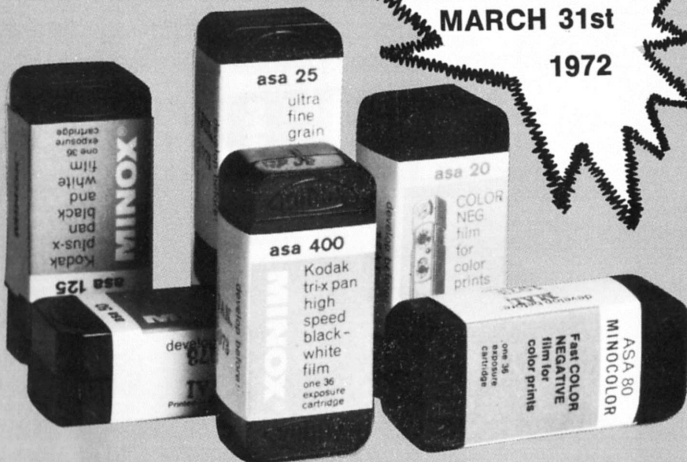
A MINOX C CAUGHT THE KICK

Recently Mr. Samuel M. Greenberg of North Miami Beach, Florida helped to run a kickoff banquet for the "Bag Your Trash" campaign for the city of Miami. Armed with his Minox C, Mr. Greenberg caught Garo Yepremian, place kicker of the Miami Dolphins,

kicking a bag of rubbish into a truck. Holding the bag for Mr. Yepremian was Mayor David T. Kennedy of Miami. The bag was caught in mid-air using ASA 25 film and the camera set at "Automatic."

This special FILMVELOPE entitles you to the FILM of your choice at NO ADDITIONAL COST to you.

Use it to send your next exposed film for developing and printing and the fresh film of your choice will be enclosed with your completed processing order.



BLACK AND WHITE FILMS OFFERED

ASA-25
ultra-fine grain, perfect outdoors on sunny or bright days, indoors with flash.

Plus-X Pan ASA-125
Hi-speed, fine grain, indoors with available light (no flash) or outdoors on dull days. Under bright skies with built-in filter.

ASA-50
fine-grain, outdoors, on bright or overcast days. Faster shutter speeds, indoors with flash.

Tri-X Pan ASA-400
perfect for indoors with no flash, outdoors on overcast days and in the shade only.

COLOR FILMS OFFERED

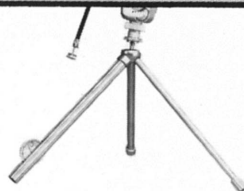
Minocolor ASA 80
high-speed color negative, perfect outdoors. Faster shutter speeds for fast moving sports scenes. Indoors with flash. Color prints only.

Agfa CN-14 ASA-20
extreme fine grain, color negative for outdoors, indoors, with flash. Produces either black & white or color prints or both.

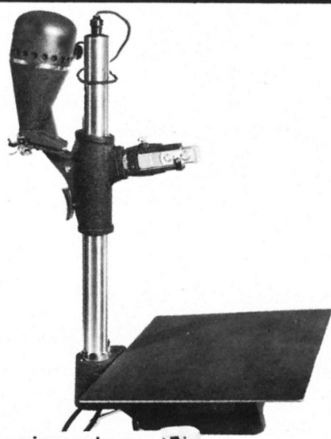
Merry



• **minox adjustable copying stand**
#76 Use this professional stand for microfilming and copying letters, maps, records, book pages, documents. Calibrated from 8" to 18". Stand consists of camera clamp and four extensible legs. Portable, folds to 9x11x1/2".



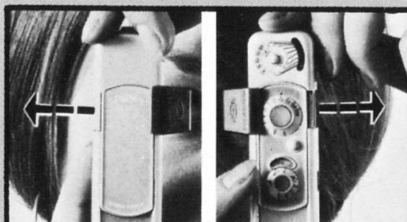
• **minox pocket tripod**
#73 Now you can capture all those wanted shots—including slow speed and time exposures—with the aid of the magic Minox Pocket Tripod that slips into pocket or purse . . . is hardly larger than a pencil. A marvel of quick and easy operation, it sets up in but 10 seconds. Has tilting head and concealed cable release. Measures 7 1/4 x 3/8". Complete with camera clamp and leather case.



• **minox enlarger**
#80 High-quality enlarging of Minox black and white film; the Minox enlarger is built to the tolerances of professional units. Constructed on a solid, cast base with vibration-free upright column, it features a critically corrected 15mm f/3.5 micro Minox lens; double condensers; light diffusion control; high-low light switch. It is adjustable for 110/220 volts. Enlarges up to 11 x 14" on its baseboard. Complete with lamp, 8 x 11mm negative carrier and dust cover.
#86 Negative Carrier for 8mm (movie) film; not for Super-8.



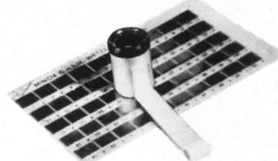
• **minox telephoto/binocular clamp**
#60 Take thrilling close-ups of people and places at long range with our fabulous Telephoto/Binocular Clamp that converts your Minox camera and binoculars to a complete telephoto instrument. Has built-in tripod socket and cable release socket. Can also be used as a microscope clamp.



• **universal right-angle finder-mirror**
#64 Just imagine the candid shots that can be yours with this amazing accessory that allows you to shoot to the right while facing straight ahead! For the ultimate in candid pictures, detective and newspaper work.



SMALL MINOX—BIG PICTURES.
Brand new. Completely revised, greatly expanded edition of the best-seller on Minox photography by Rolf Kase-meier. Contains full story and operating details of the Minox C camera. Step-by-step instructions in the use of all Minox cameras. Over 300 pages, 176 illustrations and informative tables. Hard linen cover...6.95



• **minox film viewer/magnifier**
#94 Examine your Minox negative with ease through the built-in magnifier of this useful accessory.

*See the order form attached for a complete listing of films, chains, jewelry, batteries, bulbs, books and albums.



Minoxessories



• minox belt cases

These convenient custom-made cases let you wear your Minox on your belt. Equally suitable for men and women.



• universal minox bulb flasher

Just 2 1/2 x 1 x 1/2". Use with individual "jellybean" AG-1B flashbulbs. Built-in telescoping reflector and bulb ejector. With leather belt case. #49 Chrome.



• minox filter kits

New easy-to-use snap-on filters supplement the two already built into the various models of Minox cameras.

#68 Three filters for color reversal film are contained in the Color Correction Kit: regular Skylight (pink); medium Skylight (reddish); and Flash Conversion (light blue). For B and III.

#69 Minox C Filter Kit. Green for black and white; R 3 (Skylight) and R 6 for color. Filters automatically correct exposure computer for filter factor.

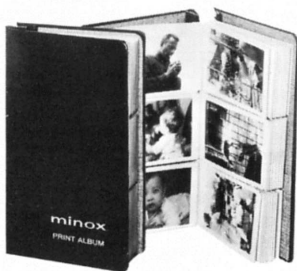
#767 Black and white III-S Filter Kit, contains yellow, neutral density gray and ultra-violet filters.

#067 Black and white "B" Filter Kit, contains yellow, orange and blue filters.



• minox daylight developing tank

#90 Enjoy the thrill of processing your own Minox pictures with this daylight loading developing tank, complete with thermometer. Makes on-the-spot Minox processing fun, quick and easy. Minox Liquid Developer Concentrate. #96. Box of 5 vials.



• minox photo album

Has transparent plastic pockets for 102 standard size Minox prints. Expandable to any size through refills. Covered with smooth, padded, simulated brown leather and gold-leaf Minox imprint.

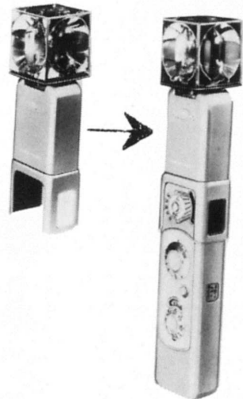
#120 for 2 3/4 x 3 3/4" prints.

#120A for 3 1/2 x 4 3/4" prints.



• minox transparency viewer-cutter

#53 An invaluable aid in viewing and mounting your own Minox slides! Examine frames through its built-in magnifier. You choose the ones you want to mount, then cut them neatly and accurately by thumb pressure.



• universal minox cube flasher

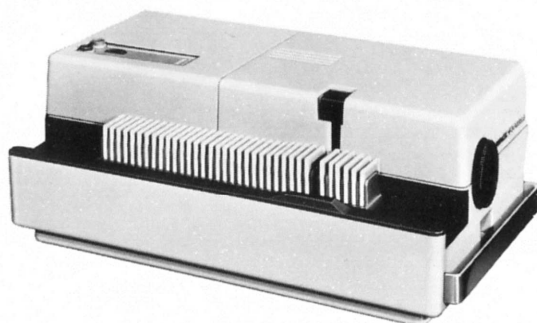
Fits all models. Just 2x1x1/2". Uses 4-lamp flashcubes for quick sequence shooting or one-by-one flash picture-taking.

#43 Chrome

#44 Black

Introducing the new

MINOX HP-24 remote focus projector



Designed specifically for Minox 8x11mm color slides, the new Minox HP-24/Remote Focus projector provides a degree of operating convenience and brilliant projection quality never before achieved in projectors for ultra-miniature slides.

Bright screen illumination is assured by a 24 V 150 W tungsten-halogen lamp with double condenser lens. A newly computed 35mm f/2.7 Minogon lens is used to project screen images with outstanding color brilliance, excellent contrast and sharpness.

A master control panel serves to actuate the motorized forward and reverse slide change with push buttons and to focus the screen image sharply. The control panel may be detached from its magnetic socket and used, with a built-in 10 ft. extension cord, for remote control. This "finger tip" control may be replaced by impulses from a tape recorder for slide changing.

Lamp housing and slide stage are ventilated by an efficient radial cooling sys-

tem equipped with a thermostatic safety switch which turns the projector off if the air intake is inadvertently obstructed or if the projector is operated near a radiator or heating outlet.

Slide magazines for up to 36 slides mounted in 30x30mm frames move in an open channel and are easily accessible for convenient editing even during a slide show. The index number of each slide is visible in a control window for ready identification. Individual slides may be projected without the use of a slide magazine.

Power and remote control cables are stored under a hinged cover within the projector housing. A self-locking drop foot at the front of the projector permits easy height adjustment and a telescopic handle is provided for convenient carrying. The projector measures 8"x13"x5" and weighs 14 lbs. It operates on 110-125 V 60HZ AC; the 3-prong power plug is designed for use with grounded safety outlets.

The price of the Minox HP-24/Remote Focus projector is \$299.50; including the 24 V 150 W Halogen lamp and a 36-slide magazine. An accessory collapsible carrying case with snap-lock is available for \$13.50.

MINOCHROME

ASA 20 For Color Slides

Minochrome is an extremely fine grain color reversal film which produces brilliant positive transparencies that can be mounted in slides for projection and color prints too. It is suitable for picture taking in daylight and indoors using a Minox flash.

1-36 exposure cassette

per box\$2.85

Price of film does not include developing cost.

For shutter settings without exposure meter. The following settings may be used as a guide for most **average subjects** outdoors in daylight from 2 hours after sunrise to 2 hours before sunset.

Bright or Hazy Sun—		Cloudy—Bright	50
Front lighted subjects	200	Cloudy—Dull	20
Bright or Hazy Sun—		Open Shade	20
Side lighted close-ups	150		

For flash pictures with Minox B/C flash unit and AG-1B (blue) flashbulbs, set shutter at 20 or 30.

Never use Yellow, Green or Orange Filters with Minochrome film.	Camera-to-Subject Distance	Use Filter
	2-4 feet	Neutral Density
	5-10 feet	None

The above flash distances are approximate for subjects and surroundings of average color and contrast. For dark subjects, shorten the distance, for bright subjects, extend the distance.

SPECIAL SALE

FOR MINOX III-S CAMERAS ONLY

We have a very limited supply of accessories for the discontinued Minox III-S camera (the smaller model without exposure meter). This is a real opportunity to SAVE SOME MONEY. Orders will be filled on a "first come" basis—while they last.

- #32 Bulb Flasher For III-S
Chrome Was \$21.95
Now \$13.50
- Black Was \$24.50
Now \$15.00
- #66 Reflex Viewfinder For III-S
Chrome Was \$18.50
Now \$11.00
- #63 Right Angle Mirror For III-S
Chrome Was \$10.50
Now \$7.50
- #767 Black and White Filter Kit For III-S
Was \$14.70
Now \$7.50
- #111 Case For Separate Minox Exposure Meter—Specify Brown, Black, Green or Red
Was \$3.75
Now \$2.50

TEAR ALONG DOTTED LINE AND ENCLOSE YOUR ORDER IN YOUR SPECIAL ENTRY FILMVELOPE

DEAR MR. THAYER: Please rush me the following:

BLACK AND WHITE FILM

- Boxes ASA 12 Micro (2-36 exp. cassettes) @ .2.75
- Boxes ASA 25 (2-36 exp. cassettes) @ .2.75
- Boxes ASA 50 (2-36 exp. cassettes) @ .2.75
- Boxes Plus-X ASA 125 (2-36 exp. cassettes) @ .2.75
- Boxes Tri-X ASA 400 (2-36 exp. cassettes) @ .2.75

COLOR FILM

- Agfa CN-14 ASA 20 color negative (1-36 exp. cassette) @ .2.30
- Agfa CN-14 ASA 20 color negative (1-15 exp. cassette) @ .1.69
- Minicolor ASA 80 color negative (1-36 exp. cassette) @ .2.70
- Minicolor ASA 80 color negative (1-15 exp. cassette) @ .1.98
- Minochrome ASA 20 color positive (1-36 exp. cassette) @ .2.85

FLASH ACCESSORIES AND BATTERIES

- 49 Universal Minox Bulb Flasher - Chrome @ .21.95
- 43 Universal Minox Cube Flasher - Chrome @ .21.95
- 44 Universal Minox Cube Flasher Black @ .24.50
- 46 110-240V AC Charger for ME-1 @ .12.95
- 36 Eveready #504 15v Battery for Bulb Flasher @ .1.50
- 52 PX825 Battery for Cube Flasher - 2 per card @ .1.50
- 20 PX27 Battery for Minox-C, replacement @ .1.00
- 37 Electronic Flash Battery U-160, 240V @ .7.95
- 34 AG-1 Flashbulbs (clear) sleeve of 12 @ .1.80
- 34B AG-1B Flashbulbs (blue) sleeve of 12 @ .1.80
- Flashcubes 3 cubes/12 flashes @ .1.95

ALBUMS AND FOLDERS

- 120 Minox Album (24 x 3 3/4 size prints) @ .7.95
- 120A Minox Album (2 1/2 x 4 1/4 size prints) @ .7.95
- 121 Album Refills (24 x 3 3/4 size prints) @ .2.95
- 121A Album Refills (3 1/4 x 4 1/4 size prints) @ .2.95
- 123 "You've Been Minox'd" Folders and Envelopes (Box of 50 each) @ .2.95
- 126 "Minox Memo" Binder @ .3.95

ENLARGING EQUIPMENT

- 80 Minox Enlarger @ .229.95
- 84 Enlarger Lamp 6V, 6 Amp. @ .3.60
- 86 Negative Carrier for 8mm only @ .21.00

☐ Check or Money Order Enclosed

NAME _____

ADDRESS _____

CITY _____

STATE _____

ZIP _____

MINOX PROCESSING LABORATORIES

POST OFFICE BOX 94
FOREST HILLS, NEW YORK 11375

CASES AND CHAINS

- 136 Eveready case for Minox C - Black @ .7.75
- 139 Minox C - Belt Case - Black @ .8.50
- 134 Minox B - Belt Case - Black @ .7.50
- 132 Minox III-S Standard Case - Black @ .7.50
- 131 Minox III-S Belt Case - Black @ .7.50
- 131 Minox B - Standard Case - Black @ .7.50
- 132 Heliotron ME-1 Belt Case - Black @ .9.45
- 137 B/C Flash Case (Model B) Black @ .6.95
- 138 B/C Flash Case (Model III-S) Brown @ .6.95
- 138 B/C Flash Case (Model III-S) Black @ .6.95
- 109 Minox Table Tripod Case - Brown @ .4.25
- 121 Camera Chain Chrome for Minox-C @ .3.95
- 116 Camera Chain Chrome for III-S or B Models @ .3.95

DEVELOPING EQUIPMENT

- 90 Developing Tank W/Thermometer @ .17.50
- 96 Liquid Developer (5 Vials) @ .2.95
- 94 Film Viewer/Magnifier @ .10.95

CAMERAS

- Minox C, Automatic Electronic, Satin Chrome, Complete with Eveready Case and Chain @ .229.50
- Minox C, Automatic Electronic, "Private Eye" Complete with Eveready Case and Chrome Chain @ .259.50
- Minox B, Satin Chrome Complete with Standard Leather Case and Chain @ .192.50
- Minox B "Private Eye" Black Complete with Standard Case and Black Chain @ .217.50

PROJECTION ACCESSORIES

- 403 Minotact Projector @ .149.00
- 048 Vinyl Carry-Case for Minotact @ .13.50
- 55 Slide Sate @ .2.50
- 38 Minox Slide Mounts (for Minox Projectors only) Box of 36 mounts @ .5.35
- 56 Slide Mounts, 2 x 2 cardboard for Standard Projectors - Box of 50 @ .1.95
- 53 Transparency Viewer-Cutter @ .19.95
- 42 12V 100W Projection Bulb for Minotact @ .6.40
- 404 Minox HP-24 Remote Focus Projector @ .299.50
- 050 Folding Carrying Case for HP-24 @ .13.50
- 044 Replacement Bulb for HP-24 (24 volts) @ .8.95
- 049 Slide Magazine for Minox Projectors (3 magazines per box) @ .7.50

☐ Charge My Account

059 2x2 Plastic Mounts for 20 slides @ .2.00

MINOX JEWELRY

- 11 Silver Oxidized Minox Cuff Links @ .2.95
- 12 Gold Plated Minox Cuff Links @ .3.50
- 13 Silver Oxidized Minox Tie Tack @ .1.50
- 14 Gold Plated Minox Tie Tack @ .1.50
- 15 Silver Oxidized Minox Tie Bar @ .2.95
- 16 Gold Plated Minox Tie Bar @ .3.50
- 17 Silver Oxidized Minox Tie Tag & Chain @ .2.50
- 18 Sterling Silver Minox Charm/Pendant @ .4.95
- 19 14K Gold Minox Charm/Pendant @ .2.95
- 10 Sterling Silver Minox Earrings @ .9.95
- 11 14K Gold Minox Earrings @ .47.50

BOOKS

- Minox Manual - New Revised Edition by Dr. Joseph D. Cooper @ .7.95
- The Minox Guide by W. D. Emanuel @ .1.95
- "Small Minox—Big Pictures" by Rolf Kasemeier—new edition for "C" @ .6.95

CAMERA ACCESSORIES

- 60 Telephoto Binocular Clamp @ .34.50
- 64 Universal Right-Angle Mirror @ .6.90
- 66 Reflex Viewfinder for Minox III-S @ .18.50
- 69 Filter Kit for Minox C @ .16.95
- 67 BL/WH Filter Kit for Minox B @ .14.70
- 767 BL/WH Filter Kit for Minox III-S @ .14.70
- 68 Color Correction Filter Kit for B/III-S @ .16.95
- 71 Camera Clamp for Tripods @ .9.25
- 73 Minox Pocket Tripod with Camera Clamp, Cable Release and Zip Case @ .29.80
- 74 Special Cable Release (fits tripod leg) @ .1.75
- 75 Standard Cable Release @ .1.50
- 76 Minox Adjustable Copying Stand with Built-In Camera Clamp @ .36.50

ORDER EARLY FOR CHRISTMAS DELIVERY



MINOX MEMO

MINOX PROCESSING LABORATORIES

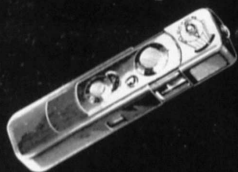
P.O. Box 94, Forest Hills, N. Y. 11375



Dr. Edward D. Sugarman of Syracuse, New York uses his Minox quite a bit for medical photography but sometimes it's just for fun. He got this fellow using Minocolor 80 with his Minox C set at "Automatic."

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MINOX MEMO

GRATIS TO REGISTERED OWNERS OF THE FABULOUS MINOX
CAMERA AND ITS AMAZING ACCESSORIES, PUBLISHED BY MINOX
PROCESSING LABORATORIES, P.O. BOX 94, FOREST HILLS, N.Y. 11375

Volume 9, Number 2

Fall / 1972

MINOX MICROPHOTOGRAPHY

FLEETING MOMENTS

**MEN
AND
MACHINES**

**DEBUT:
JILL ANN**

NEW ME-2 AUTOMATIC ELECTRONIC FLASH

**MINOXING:
here and there**

**103
WONDERFUL YEARS**

**ENTER OUR NEWEST CONTEST
*YOU 'POCKET' THE BEST
WE'LL PROCESS THE BEST***

COMPLETE DETAILS AND ENTRY **FILMVELOPE*** — See Pages 6 & 7

introducing the

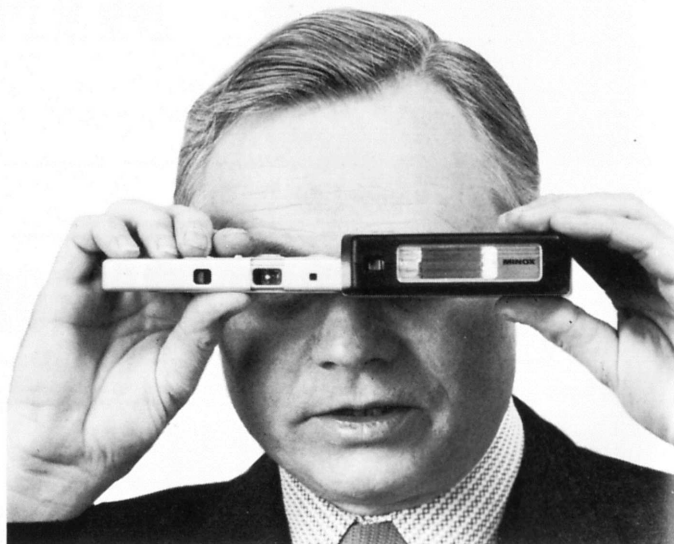
New

ME-2

electronic flash

We are proud to announce the new Minox ME-2 Electronic Flash. This self-contained unit is specially designed for flash photography with  B and C cameras. The ME-2 plugs onto the  model B and C cameras without using a connecting cord. It delivers automatically timed flashes ranging from 1/1,000 of a second to 1/50,000 of a second depending on subject brightness and flash to subject distance.

Weighing only 9 ounces, the unit is powered by a built-in rechargeable nickel-cadmium battery or may be operated from 110/117V 60 Hz AC power outlets. It is adjustable for film speeds of ASA 12 to ASA 200. The photo sensor circuit is programmed to measure cumulative amount of flash illumination reflected from the subject and to terminate the flash automatically at the instant when correct exposure has been reached. For special applications, the automation may be switched off so that the unit delivers full power with each flash. Fully charged, it delivers up to 50 flashes.

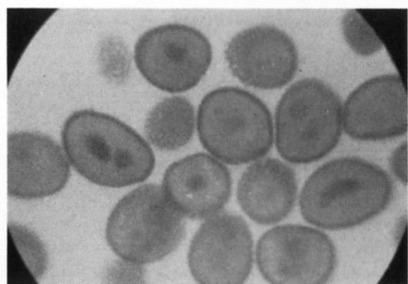


Operation of the ME-2 is simplicity itself. It is slipped onto the Minox camera which locks into a $\frac{3}{4}$ " deep opening of the unit and plugs into the flash connection automatically. As soon as the "ready" light of the ME-2 lights up after switch-on, the unit is ready to deliver the correct "dosage" of flash illumination for any distance up to the maximum applicable to the film used.

The #053 Minox ME-2 Electronic Flash comes complete with a 110/117V 60 Hz AC power and charger unit at \$139.95.

The #054 Adapter shoe for the ME-2 with built-in flash contact and button release fits "hot" accessory shoes of internally wired cameras or may be connected to shutter flash contact. Complete with $9\frac{1}{2}$ " connecting cord at \$9.75.

MINOX MICROPHOTOGRAPHY



1. Mature pollen cells of a lily plant. Minocolor ASA 80 film using a Minox B camera and microscope with 10 power eyepiece and 43 power objective. Taken by Steven C. Sitter, Mar Vista, California.

The versatility of a Minox seems limitless. As evidenced by just the photos in this issue, the Minox is just as comfortable in a hospital delivery room as it is at an old age home. It travels by motorcycle or captures a president in a foreign country and sometimes just the joy of puppies at play or interesting beach scenes.

The ease of Microphotography with a Minox is surprising. The results are very satisfactory. Here's how it's done:

1) We suggest ASA 25 black and white film because of its ultra fine grain or Minocolor ASA 80 if color prints are desired. However, other film speeds have produced good results.

(Continued on page 10)

....fleeting moments....

"We photographers deal in things which are continually vanishing and when they have vanished there is no contrivance on Earth which can make them come back again. We cannot develop and print a memory."

Cartier-Bresson

Dr. Kurt Schnitzer of Santa Ana, California, has been a Minox enthusiast for many years. "Beach Fountain" and "Sisters" are just two of his collection of Minox memorabilia. "Sisters" won Third Prize at the yearly Art Exhibit of the American Physicians Art Association. Dr. Schnitzer brought our attention to the quotation above by Cartier-Bresson and his work seems to have captured the spirit of it.



BEACH FOUNTAIN

Minox B Camera, ASA 25 B&W film, 1/100 sec. This picture was taken while walking with the Minox in his hand, along a California beach, looking for a good subject. It was taken at close range while walking by the boy and girl, who never even noticed that he had taken their picture.

SISTERS

Minox B Camera, ASA 25 B&W film, 1/1000 sec. Taken several years ago at Catalina Island, Dr. Schnitzer was kneeling on the pier to take the picture of a boat when he noticed the three figures to his left. He quickly turned the camera and shot this photo. A few seconds later the three walked away and "I could have never taken this picture again."



MINOXING

here
and



there

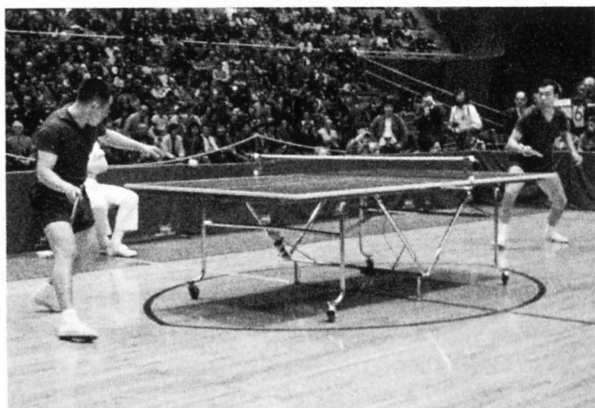


TABLE TENNIS

During their recent tour in the United States, the Chinese Table Tennis Team stopped at the Nassau Coliseum. Mr. Dan Green, Treasurer of the Long Island Table Tennis Association caught the action with his Minox B using Tri-X ASA 400 B&W film. The gentleman on the left is Chuang Tse-Tung, three times World Table Tennis Champion, playing an exhibition match with a teammate, Chang Hsieh-Lin.

A PRESIDENT

Mr. Arthur H. Priest, a prominent New York attorney, writes: "One morning, while visiting Mexico, in February of this year, I was disappointed to find that the Archaeological Museum in Mexico City was closed to the public until 2:00 P.M. The museum was surrounded by large crowds of Girl Scouts and representatives of many organizations; it seems that Women's Lib Day was being celebrated.

Returning at two o'clock I found many of the people leaving and among them President Luis Echeverria. He was more like a movie star mingling with the crowd than the President of a country. I was greatly impressed by the informality and absence of obvious bodyguards. Such a friendly and dignified attitude amidst such an admiring crowd was almost beyond belief." This close-up was taken with his Minox C set on "Automatic" using Minocolor ASA 80 film.



JUST PUPPIES

Mrs. E. H. Littman of Wharton, Texas, only recently started Minoxing. Her two little puppies certainly seem interested in what she's doing. The film used was Agfa CN-14.

MEN AND MACHINES

James S. Ricklefs, (below and right, using ASA 25 film), President of Rick Helicopters, Inc, a helicopter operating firm in California and Alaska, is using his Minox C in a number of out of the way places pursuing his hobby of collecting, restoring and flying antique airplanes and helicopters. Currently he's flying a 1916 Sopwith "PuP" English single seat WWI fighter plane or Scout as they were called in WWI. It has an 80HP Le Rhone rotary engine. The entire engine turns while the crankshaft is stationary and bolted to the airframe. Armament consists of a single Vickers synchronized 11mm machine gun. The "PuP" is flown at a ranch near Livermore, Calif.

In his San Carlos shop, he is restoring a 1916 Spad VII French designed single seat WWI Scout with a 150HP Hispano-Suiza V8 water-cooled engine. This machine has the same armament as the "PuP." A 1917 Curtiss JN4D "Jenny" popular WWI two seat training plane powered with a Curtiss OX5 90HP engine awaits restoration. Also being restored are a 1944 Sikorsky R-48 helicopter, two 1943 Sikorsky R-6A helicopters, a 1958 Hiller YH32A ram jet helicopter and two 1960 Hiller YROE-1 folding portable Rotorcycles.

The WWI planes have to land on sod fields because they have no brakes and the tail skid has to dig into the ground to stop the landing rollout. The design of these WWI planes and power plants is quite remarkable considering only 13 years had elapsed from the time man (The Wright Bros.) flew 120 feet in 1903.



The "PuP" for example, will climb to 21,000 feet and go over 110 MPH. This compares quite favorably with today's light airplane. The construction is mainly wood (spruce and ash), piano wire bracing and Irish linen fabric tightened with dope.

Mr. Ricklefs is constantly searching for WWI engines, airframes and instruments that may be collecting dust in a remote barn or warehouse. His Minox C is a handy way of documenting and identifying these items. If any of you have any leads, Mr. Ricklefs would appreciate hearing about it. In fact, he might give you a ride in one of his WWI Aeroplanes!



Mr. Dante Tedeschi, of New York, (above left) is a man on the move and "traveling light" is the important thing to him. His Minox B always makes the trip. Plus-X Pan ASA 125 B&W film with a Minox B at 1/500 sec.

Mrs. Richard Shryock of Bryn Mawr, Penna., purchased her Minox in Munich, Germany in 1948. Here she caught young "Richie" experimenting with her separate Minox Exposure meter. The film was Minocolor ASA 80.

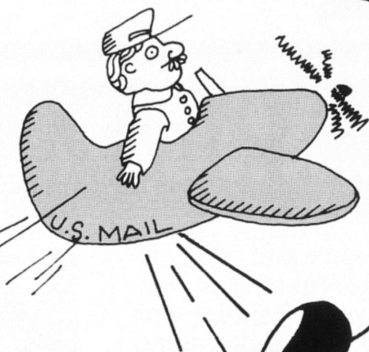
**MINOX
PROCESSING
LABORATORIES
ANNOUNCES ITS**

— 10 —

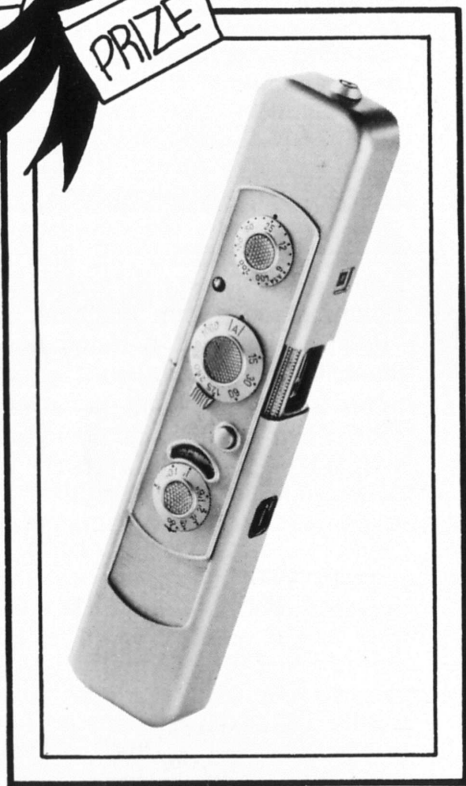
ELECTRONIC COMPUTERIZED

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You
We'll



Yes, ten new (MINOX) C cameras will be given away Absolutely Free, each worth \$244.95.

This is the first transistorized ultra-miniature camera with electronic exposure automation featuring a "tiny solid-state" computer. Shutter speeds from 1/1000 to 7 seconds are timed for you automatically to insure perfect exposure. The (MINOX) C also offers "picture preview" capability, a warning light to signal the need for slow speeds or flash, and a count-down dial for 36 or 15 exposure films. There's automatic compensation for filter factors, a film gate that opens automatically for faster drop-in loading and much more. This compact camera measures just 1 1/8" x 4 3/4" x 5/8 inches and weighs under 4 ounces, complete with battery and loaded with film. With its snapshot distance setting, you simply "aim and snap" for perfect pictures every time.

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It is our desire to provide you with the finest quality processing and service possible. Minox Processing Laboratories specializes in (MINOX) films exclusively to assure you of the best pictures your (MINOX) can produce. Our Customer Service Department is set up especially to help you develop and improve your (MINOX) technique. We are not affiliated with any other laboratory. Other services include camera cleaning, repairs and mounting of your transparencies.

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'pocket' the Best
process the Best

CONTEST



NEW ME-2 ELECTRONIC FLASH

— **10** —

ME-2 ELECTRONIC FLASH UNITS WILL BE GIVEN AWAY

We are also giving away ten newest model ME-2 Electronic Flash Units each worth \$139.95.

The new ME-2 is a self-contained automatic flash unit designed especially for **MINOX** B and C cameras. It features a built-in rechargeable nickel-cadmium battery for up to 50 flashes per full charge. Adjustable from ASA 12 to ASA 200. Complete with 110/117V 60 Hz AC Power-and-Charge unit. Weighs only 9 ounces. The ME-2 plugs onto Minox Model B and C cameras without using a connecting cord. It delivers automatically timed flashes ranging from 1/1,000 of a second to 1/50,000 of a second depending on subject brightness and flash to subject distance. The photo sensor circuit is programmed to measure cumulative amount of flash illumination reflected from the subject and to terminate the flash automatically at the instant when correct exposure has been reached. For special applications, the automation may be switched off for full power.

TO FIND OUT IF YOU'VE WON....

Yes, there are 20 prizes. To find out if one of these is just waiting for you at **MINOX** Processing Laboratories, Forest Hills, New York, 11375 here's what you do . . .

ONLY YOU have the number on the enclosed Special Entry Filmvelope. Pull it out of this MINOX MEMO and use it to send your next film (either black and white or color) to us for processing. And we'll let you know immediately if you've won a new fully automatic Minox C Camera or ME-2 Electronic Flash Unit. Your film will be processed in accordance with your instructions at our regular prices.

IF YOU PREFER, take your Special Entry Filmvelope to your favorite photo dealer and tell him to send it to Minox Processing Laboratories, Forest Hills, New York, 11375 for you. If you win, he wins a Special Bonus Prize of \$25.00 just for sending your Special Entry Filmvelope to us. You will both be notified immediately. Contest closes December 31st, 1972.

CONTEST CLOSES JANUARY 31, 1973

* WITH YOUR VERY NEXT ROLL OF EXPOSED MINOX FILM—
WIN MINOX 'C' CAMERA OR ME-2 ELECTRONIC FLASH UNIT

DEBUT: JILL ANN

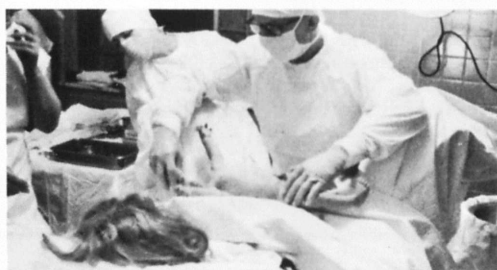
Early on the morning of March 13, 1970, Diana Lynn Conners, a practical nurse, realized that the new Conners baby was about to make her debut. Instead of just waiting, she used the time to get spruced up for the occasion. (below left)



At the hospital Mrs. Conners tried to rest (above right) as daddy, Mr. John J. Conners kiddingly urged his wife to speed up progress. He's the Bailiff at Toledo Municipal Court and had to give a speech at 7:00 PM that evening. She couldn't oblige so grandpa, Judge John J. Conners, Jr. of the Common Pleas Court of Lucas County pinch-hit at the podium.



At the moment of birth the nurse is assisting mother while the doctor is in the midst of delivery. Dad is now allowed in for Minoxing.



Mother gets her first look. When asked if it was a boy or a girl, the doctor replied: "Come and see for yourself!"



It's a beautiful baby girl—a blessing and a joy to behold.



The doctor wants a pretty picture. Everyone is happy as the cries of a newborn baby fill the air.

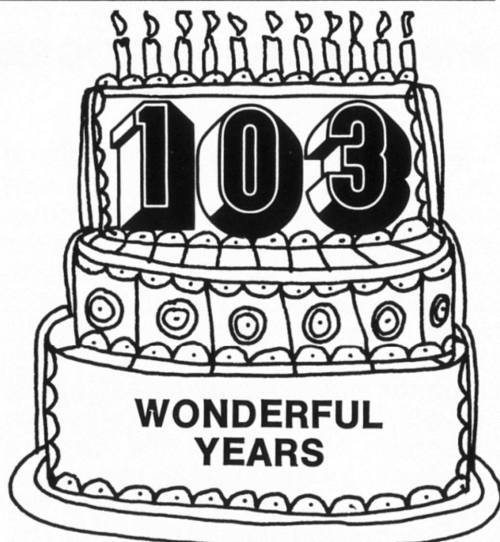


March 14, 1970 — 12:35 AM — 7 lbs. 15 oz.
PRESENTING: Miss Jill Ann Conners

Mr. Conners used his Minox IIIS camera and Tri-X ASA 400 B&W film. He made several exposures at different shutter speeds to be certain of proper exposure under these difficult and exciting "available-light" conditions. He also uses his Minox with a Copying Stand for photographing badges for the book he is writing on Police, Fire, and other government badges.



Mrs. Marie Burkhardt



Downstairs in the Assembly Room there was a huge gathering of friends, officials and well-wishers. The room was decorated with gay tablecloths, white candles and flowers were everywhere. The atmosphere was filled with anticipation as the group awaited the arrival of their Guest of Honor. They had come to celebrate the 103rd birthday of their oldest resident.

Upstairs in her room, Mrs. Marie Burkhardt was sitting quietly among her things. Suddenly, Miss Dollie Mae Jones, the activities leader, appeared saying that the doctor wanted to see her for consultation immediately. Miss Jones wheeled her down to the Assembly Room and the celebration began.

Mr. Roger Phillips, the Administrator, greeted her with a warm welcome and birthday kiss. Mr. Howard Anderson, Board President, carried in a beautiful candlelit birthday cake and everyone sang Happy Birthday.

Mrs. Burkhardt was born in Germany in 1868. She and her husband, John, had been married 52 years when he died leaving her with a four-family house, in Brooklyn. In the years following, she

maintained the house and particularly the garden which was considered the most beautiful in the neighborhood.

When she was ninety, Mrs. Burkhardt entered the Home. She says that her longevity is due to her excellent constitution; she was never sick, which made her happy and this attracted many friends.

These festivities were going on at the Evangelical Home for the Aged at 1420 Bushwick Avenue, Brooklyn, New York 11207. Organized in 1878, it's a small home with only a little over 100 residents, but one gets a feeling of warmth and friendship when entering it.

Currently in the midst of their annual fund-raising drive, they have a great need for physical therapy and other rehabilitational equipment. If any of you care to contribute or help, contact Mr. Roger Phillips at the Home (212-455-6740). Every contribution will be appreciated.

A happy face such as Mrs. Burkhardt's can be captured on ASA 25 B&W film using a Cubeflash with shutter speed set at 20.

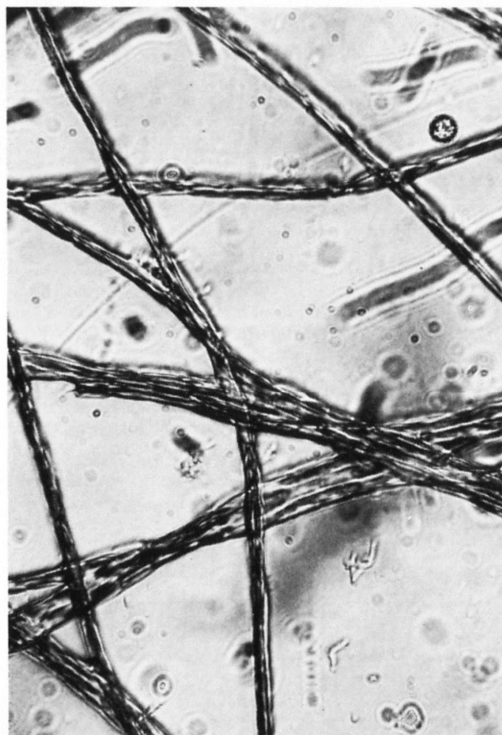
— SHARE YOUR MINOX EXPERIENCES —

Pictures and stories of unusual Minox experiences are welcome. Send to:
Editor, Minox Memo — P.O. Box 94 — Forest Hills, New York 11375

MINOX MICROPHOTOGRAPHY *Continued from page 2*

2) Using the standard eyepiece on most microscopes, the picture produced on the negative is circular (see photo page 2). This is the same as what one sees looking thru the microscope. If an interchangeable larger diameter eyepiece is available, one can obtain pictures which fill up the entire negative (see photo below). With the Minox Telephoto Binocular Attachment, the camera can easily be attached to the microscope. Be certain that it rests flat against the top lens surface of the eyepiece. (Remove the eyepiece holder when possible.) If there is a space between the Minox and the top lens surface of the eyepiece, the diameter of the image produced on the negative will be reduced.

3) Focusing of the microscope is carefully done before the camera is affixed to it. Be certain the distance scale dial of your Minox is set at infinity. When using a binocular microscope, fasten the Minox to the



Spyra Gyra taken with ASA 12 black and white film. Exposed at 1/5 of a second with a Minox B camera and microscope with 20 power eyepiece and 40 power objective.



Mr. Charles M. Stotz of Stotz, Hess, MacLachlan & Fosner, Architects of Pittsburgh, Pennsylvania caught this lovely picture of his granddaughter using ASA 25 at 1/100 of a second in the driveway of his home.

Mr. Stotz writes, "I have taken some 5,000 Minox pictures traveling here and abroad, pictures I would never have gotten without the incomparable convenience of carrying the necessary equipment in my pockets." In business Mr. Stotz makes "record" of close-ups of buildings under construction. Once when restoring an historic 200 year old building a group of his pictures made it possible, after a disaster, to reproduce the original work. He says: "The uses of Minox for close-up record work of documents and the like, make it unique and I am always discovering something new about this remarkable instrument."

fixed eyepiece support and focus using the other free eyepiece. It is important that you previously set the correct diopter adjustment which is subjectively necessary for your vision on the adjustable eyepiece.

4) Correct exposure time must be determined by trial in the same manner as with any other method of microphotography. An exposure meter reading can be used as a guide and then a bracketed series of test exposures should be taken. After the results are processed, you can determine the best exposure for your particular subject matter and light source.

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- Boxes ASA 25 (2-36 exp. cassettes) @..... 3.15
- Boxes ASA 50 (2-36 exp. cassettes) @..... 3.15
- Boxes Plus-X ASA 125 (2-36 exp. cassettes) @..... 3.15
- Boxes Tri-X ASA 400 (2-36 exp. cassettes) @..... 3.15

COLOR FILM

- Agfa CN-14 ASA 20 (1-36 exp. cassette) @..... 2.70
- Agfa CN-14 ASA 20 (1-15 exp. cassette) @..... 2.09
- Minicolor ASA 80 (1-36 exp. cassette) @..... 3.10
- Minicolor ASA 80 (1-15 exp. cassette) @..... 2.29
- Minochrome ASA 20 (1-36 exp. cassette) @..... 3.45

FLASH ACCESSORIES AND BATTERIES

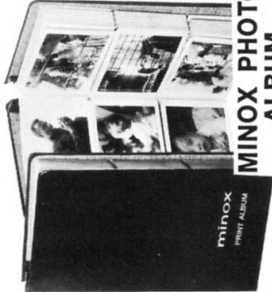
- 49 Universal Minox Bulb Flasher - Chrome @..... 24.50
- 43 Universal Minox Cube Flasher - Chrome @..... 24.50
- 44 Universal Minox Cube Flasher, Black @..... 27.50
- 053 ME-2 Automatic Electronic Flash for B and C Model camera complete @..... 139.95
- 054 Adapter Shutter for ME-2 @..... 9.75
- 055 110 240V AC Charger for ME-2 @..... 28.50
- 36 Eveready #504 15V Battery for Bulb Flasher @..... 1.50
- 52 PX825 Battery for Cube Flasher - 2 per card @..... 1.50
- 20 PX27 Battery for Minox-C, replacement @..... 1.00
- 34 AG-1 Flashbulbs (clear) sleeve of 12 @..... 1.80
- 34B AG-1B Flashbulbs (blue) sleeve of 12 @..... 1.80
- Flashcubes 3 cubes - 12 flashes @..... 1.95

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ME-2 ELECTRONIC FLASH



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- 139 Minox C - Belt Case - Black @..... 8.95
- 134 Minox B - Belt Case - Black @..... 8.25
- 135 Minox III-S Belt Case - Black @..... 8.25
- 131 Minox B - Standard Case - Black @..... 8.25
- 109 Minox Table Tripod Case @..... 4.95
- 121 Camera Chain Chrome for Minox-C @..... 4.50
- 116 Camera Chain Chrome for 111-S or B Models @..... 4.50

DEVELOPING EQUIPMENT

- 90 Developing Tank w/Thermometer @..... 18.75
- 96 Liquid Developer (5 Vials) @..... 3.15
- 94 Film Viewer/Magnifier @..... 11.75

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- Minox C, Automatic Electronic, Satin Chrome, Complete with Eveready Case and Chain @..... 244.95
- Minox C, Automatic Electronic, "Private Eye" Complete with Eveready case and chrome chain @..... 275.95
- Minox B, Satin Chrome Complete with Standard Leather Case and Chain @..... 99.95

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- 404 Minox HP 24 Remote Focus Projector @..... 299.50
- 050 Carry-case for HP 24 @..... 13.50
- 044 24V 150W Tungsten Halogen Lamp for HP 24 @..... 8.95
- 049 Box of 3 Slide Magazines @..... 8.25
- 55 Slide Safe @..... 2.95
- 58 Minox Slide Mounts (for Minox Projectors only) Box of 36 mounts @..... 5.75
- 56 Slide Mounts, 2 x 2 cardboard for Standard Projectors - Box of 50 @..... 2.25
- 53 Transparency Viewer-Cutter @..... 22.50
- 42 12V 100W Projection Bulb @..... 7.15

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- 120 Minox Album (2 1/4 x 3 1/4 size prints) @..... 7.95
- 120A Minox Album (3 1/2 x 4 1/4 size prints) @..... 7.95
- 121 Album Refills (2 1/4 x 3 1/4 size prints) @..... 2.95
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- 123 "You've Been Minox'd" Folders and Envelopes (Box of 50 each) @..... 3.50
- 126 "Minox Memo" Binder @..... 3.95

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- 80 Minox Enlarger @..... 249.95
- 86 Negative Carrier for 8mm only @..... 23.00

MINOX JEWELRY

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- J-2 Gold Plated Minox Cuff Links @..... 3.50
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- J-8 Sterling Silver Minox Charm/Pendant @..... 4.95
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- J-10 Sterling Silver Minox Earrings @..... 9.95
- J-11 14 K Gold Minox Earrings @..... 47.50

BOOKS

- Minox Manual - New Revised Edition by Dr. Joseph D. Cooper @..... 7.95
- The Minox Guide by W. D. Emanuel @..... 1.95
- "Small Minox-Big Pictures" by Rolf Kasameier-new edition for "C" @..... 7.95

CAMERA ACCESSORIES

- 60 Telephoto Binocular Clamp @..... 37.50
- 64 Universal Right-Angle Mirror @..... 7.75
- 69 Filter Kit for Minox C @..... 18.75
- 67 BL/WH Filter Kit for Minox B @..... 15.95
- 767 BL/WH Filter Kit for Minox III-S @..... 14.70
- 98 Color Correction Filter Kit for B/III-S @..... 18.50
- 71 Camera Clamp for Tripods @..... 10.25
- 73 Minox Pocket Tripod with Camera Clamp, Cable Release and Trip Case @..... 32.50
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SEE PAGES 6 AND 7

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