

A PUBLICATION OF THE NIKON HISTORICAL SOCIETY



JUNE 30, 1999  
**NHS-64**

SEE PG 18 FOR NHS-CON7 INFO!!!

**NIKON**  **JOURNAL**



**THIS ISSUE**

Page 1 ~ NIKKO PROTOTYPES  
Page 8 ~ NIKKOREX F, ETC.  
Page 15 ~ NIKON 'S' GENERAL LIST

**ROBERT ROTOLONI**  
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## NEXT ISSUE

The deadline for the next issue of our *NIKON JOURNAL*,  
NHS-65, is **SEPTEMBER 1, 1999**. I hope to have even more  
info on NHS-CON7 so start making your plans for attending.  
I have plans for a couple of articles but I am always in need  
of more material, so please get all contributions to me by the  
above date. **Thank you.**

## EDITORIAL

The main article this issue is one of the most significant,  
from an historical point of view, that has ever appeared with-  
in these pages. In addition, it is visually mouth watering! I  
was first privileged to see and handle some Nikon range-  
finder prototypes back in 1987. We could only look and make  
notes and, except for a few grabshots, I could not run much  
in the Journal. I and those who attended NHS-Con5 in Tokyo  
were enthralled by a table full of prototypes that Nikon  
graciously let us fondle, but again not photograph. A few  
grabshots of those items appeared in the Journal. Since then  
I have tried to obtain more detailed photos and to date the  
only fruit of my efforts have been the wonderful photos of  
"MOTHER ONE" that were presented to me at NHS-Con6.  
But now we have struck the mother-load! Member **Tad Sato**  
has gone out of his way (see the text for details) to furnish us  
with a series of high quality photos of an amazing exhibition  
held in Tokyo in March. Look and you will see photos of  
prototypes the likes of which I never dreamed. Cameras  
never even hinted at before! What else is there to see? Hmm.

Other features this issue include all you ever wanted to  
know about the Nikkorex F/Ricoh Singlex duet that was  
made by somebody else! An interesting story as stories go. I  
recently acquired an original letter that I think you might  
find interesting. It concerns the very early years of Nikon  
here in America. I also have the second part of a series of  
excerpts from the "Nikon "S" General List", a fact-filled con-  
pendium on the Nikon rangefinder system. No hype, no ad  
copy, just the facts, ma'am!

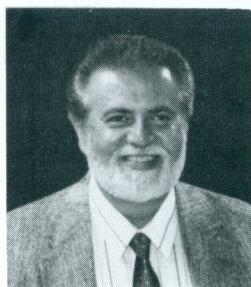
On page 18 is the latest on NHS-Con7 set for Holland in  
March 2000. A full page of information about the hotel, air-  
ports and customs, so check it out. **And see you there!!**

Member John Lee sent this bit of info from the Leica Users  
Group Posting on the Internet: "If you want to have your old  
Nikkorex fixed, you are out of luck. However, if you want a  
Model I, S, S2, SP, S3, S4, F or F2 serviced, they will overhaul  
them, to the extent possible. Nikon recently re-manufactured  
the RF prisms for the S3, as I heard from reliable sources.  
Nikon charges about \$500, but apparently loses \$500 on every  
S3 serviced." **Now isn't that interesting!?**

Peter Lownds tells me that the University of Texas at  
Austin has a display in the LBJ Library. The subject...all the  
photos, negs & cameras used by David Douglas Duncan in  
Korea to shoot "This is War"!!!! DDD donated it all to the  
library! Anyone going please take some shots for us!!!

"Classic Camera" in their May issue ran an article about  
photography sites on the Internet. Guess which was one of  
those selected for mentioning? Right!! Our own NHS site is  
shown twice & quoted as being an excellent site! We all have  
**Fred Krughoff** to thank for this recognition! Check the site  
out and let Fred know what you think! It is one hell of a site!!!

Finally, I would like to start putting together a list of  
e-mail addresses of members. I do not want to list anyone  
who doesn't want to be, so those who do.....**send me permis-  
sion to list your address!** It's the best way to stay in touch!



**ROBERT ROTOLONI**  
EDITOR/PUBLISHER



# PROTOTYPES ON PARADE!

ALL PHOTOS BY TAD SATO

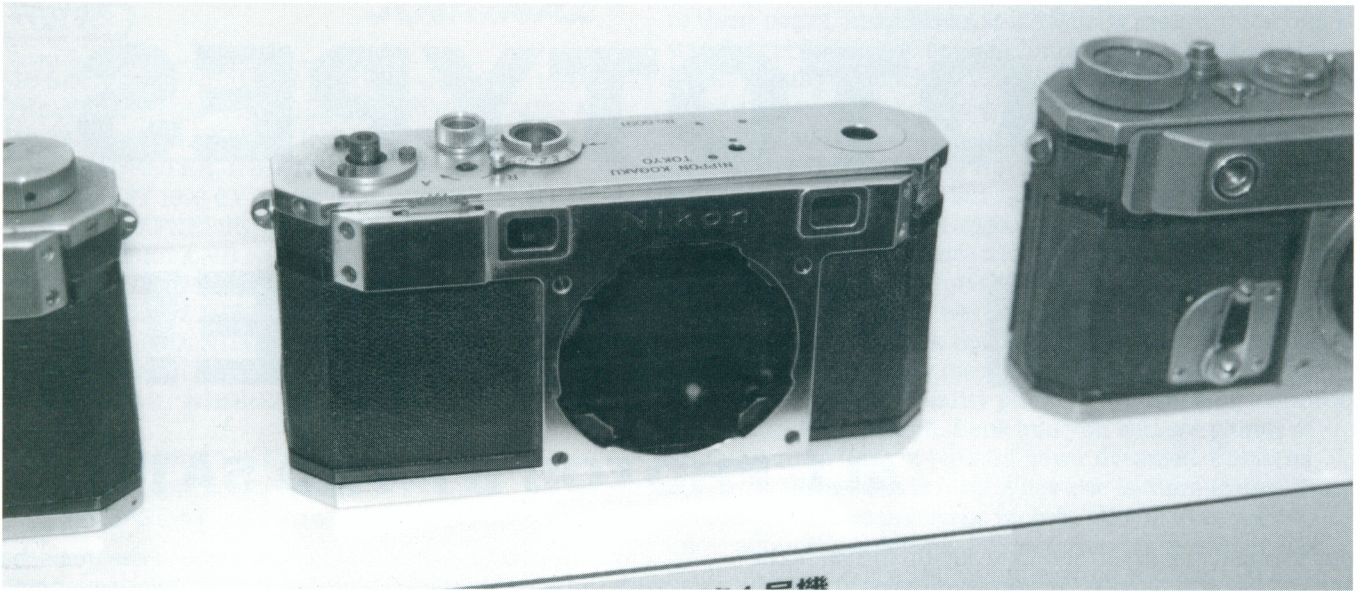
I was fortunate on my first trip to Japan in 1987, to be allowed to view and handle 7 Nikon prototypes at the Ohi factory in Shinagawa. What we saw that day was covered in NHS-17 & 18 and included the SP2 prototypes as well as S and S2 cameras. However, we were asked not to photograph them but were allowed to make notes and drawings. For NHS-Con5 held in Tokyo, Nikon surprised all in attendance by filling an entire table with all sorts of prototypes from the Nikon L through the F2 & F3. Again we were asked not to photograph them and these were covered in NHS-51. Since the Tokyo convention I have wanted to do an article on at least some of these pieces, but have not been able to obtain detailed photographs. We have a few "grab shots" from the convention but they fall far short of what I wanted. I felt that if we were to have something in the Journal on prototypes, it should be accurate, informative and well illustrated, since this information would be appearing in print for the first time outside of Japan. In other words, *'do it right, or don't do it at all'*.

Well, our wait is over, at least for some of the items, but with the added bonus of additional prototypes never before seen anywhere to my knowledge! How did this occur? Well, I am still waiting to receive photos through official channels, which has already begun with shots of "MOTHER ONE" that appeared in NHS-60 & 61. Those photos were the first I have received from Nikon, thanks to Mr. Itoh. What you see in this issue is from another source entirely.

From March 20-22, 1999, there was a show in Tokyo called "Nostalgic MONO (or Goods) World. Nikon had a booth at this show to celebrate the 50th anniversary of their cameras. Fortunately for us, member Tad Sato was there! I knew nothing of this event until a large envelope arrived from Tad which held a large group of photos of the exhibit! You are seeing reproductions. I held 8x10s in my hands and believe me, they knocked my socks off! I will let Sato-san's own words describe each photo along with some of my observations, but the pictures tell the story. But first let me relay to you what Sato-san went through to make this possible.



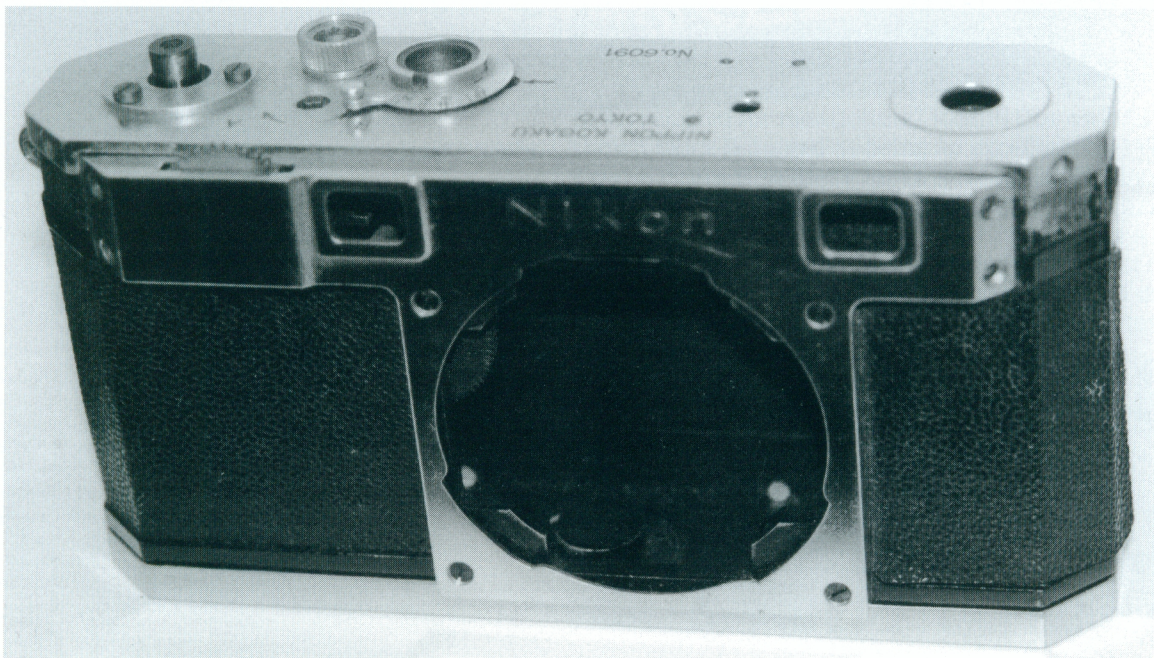




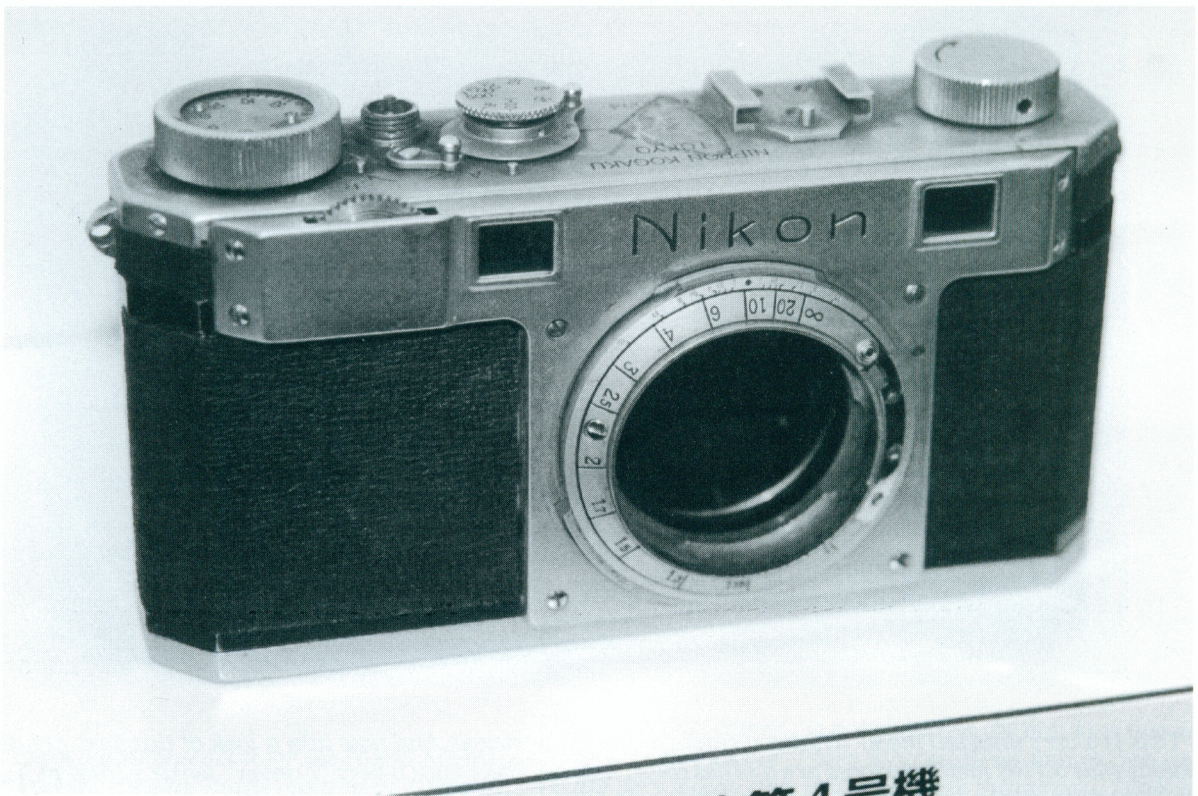
When I received the first batch of photos I immediately faxed him my thanks and asked permission to use them in the Journal. I also asked if a second set of photos would be possible so I would still have one unaltered set for myself. Sato-san graciously agreed to send them but went one better by sending 2 sets that included additional cameras not in the first set. I knew this because I received a separate letter with a caption for each photo. But....the envelope with the actual photos arrived **EMPTY!** It had split open in transit!!! I had captions but no photos and a fast approaching deadline! A quick fax to Sato-san with the sad news resulted in a reply that he would rush a second set by registered mail to me as fast as possible. It arrived safely and we have Tad Sato to thank for it! He went out of his way in both time and money to make sure that all the members could benefit from this display of one-of-a-kind prototypes shown for a couple of days in a booth in Tokyo! Sato-san, I could not ask for more and I thank you for all of us!!!

**And now some really rare and wonderful stuff!**

*If the camera in the middle looks familiar check out NHS-60 & 61! Yes, it is "**MOTHER ONE**", on public display for what I believe is the first time, even in Japan! If you look closely at the writing below the camera you can make out the numeral '1' denoting this as Nikon Prototype #1. Although this appears not to be a completed unit, with many missing parts, certain features can be seen. The screws holding the front plate not only number 8 instead of 6 like production cameras, the upper ones are on the slanted surface and not the front. This was changed by at least camera 60924! Note the missing focusing mount lock at 10 o'clock. There's a screw instead! No mount and no lock! By 60924 this screw has been moved up and to the right to leave room for the lock! Also note the missing logo on the top plate replaced by NKT in block lettering. Also the shutter release guard is different and the RF windows have a different frame configuration. This is the camera seen in some very early ads as a line drawing, not a photo! Sato-san shot these through glass, but the results are great!*



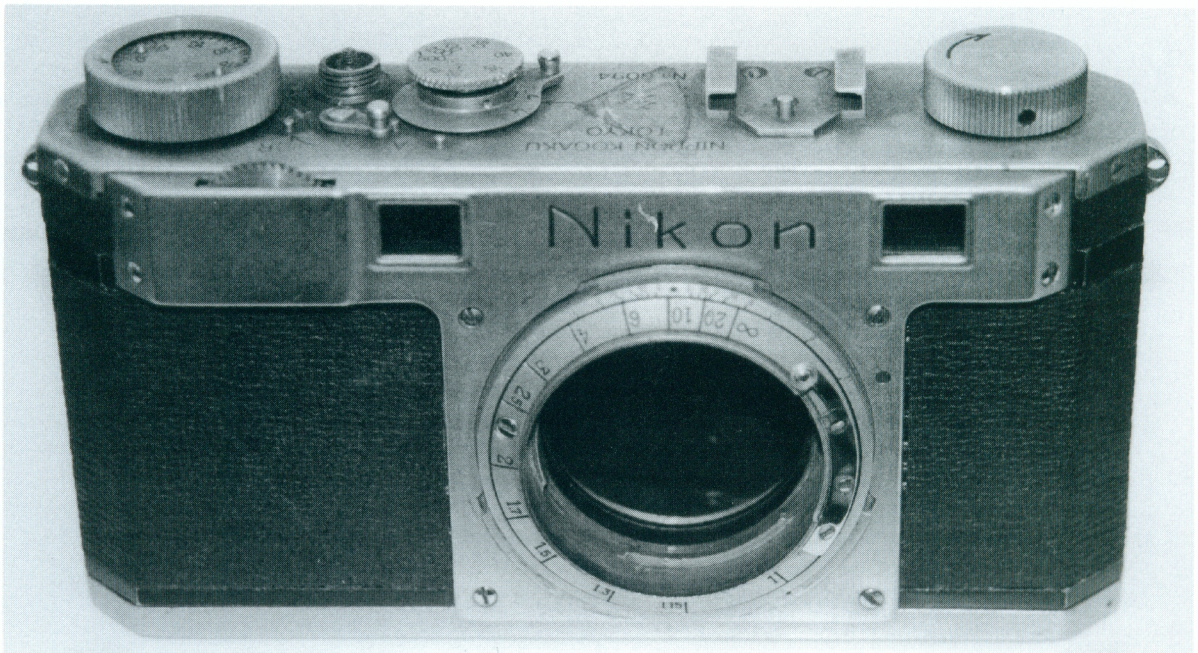




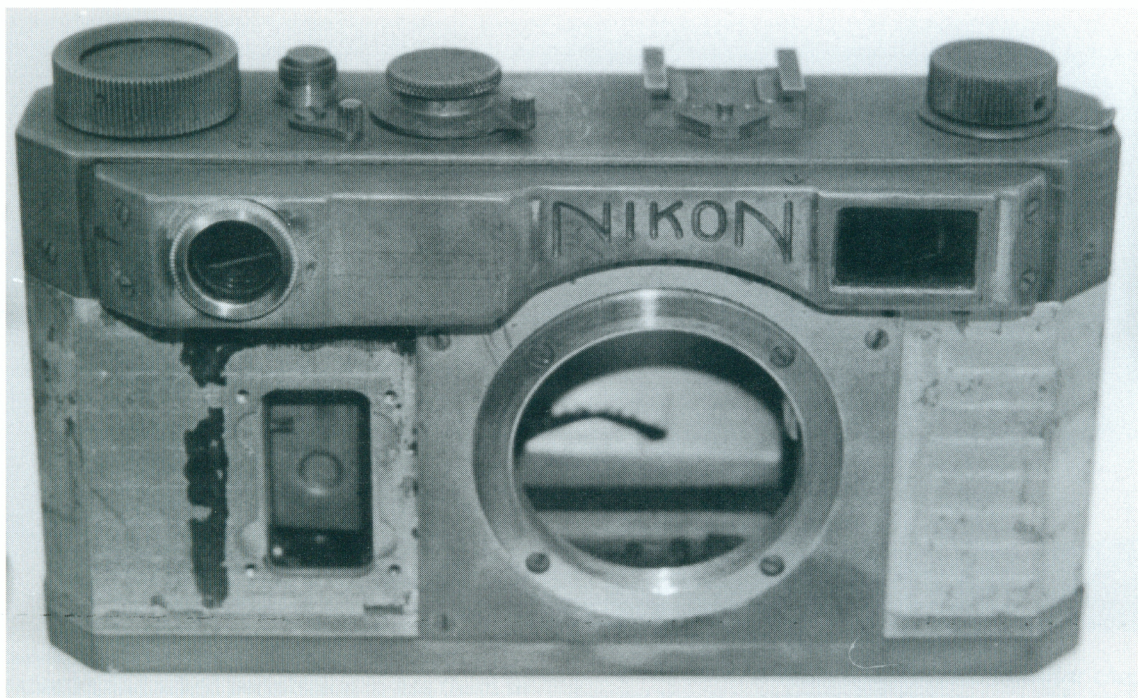
## **PROTOTYPE '6094'!!**

Look closely at the writing under this camera and you will see the numeral '4'! Yes, this is prototype #6094 and the first time it has ever been shown! Sato-san writes, "Nikon Type I Prototype #4. Note the difference between the finder windows. Nikon 6094 was mainly used for shutter durability tests. The tests were performed for two days. The exact dates were 28th & 30th of November 1947. (Quoted from the book "Bright Dark Box" page 60, by T. Arakawa.)"

Here we have both 6091 and 6094 on facing pages!! I never thought we would be able to publish such a pair! As stated by Sato-san, this is a functioning camera. Body 6094 was one of 2 used for shutter testing and this unit appears to be complete. The only thing missing is, again, the lens lock. The front plate screws still number 8 and the slanted surfaces are used and NKT remains in block letters. However, **everything** else looks very familiar! The controls, the "Nikon" name, the windows, the focusing mount, all appear like the production cameras!







*Above: This is a very unusual piece! What you can't tell from this photo is that all the metal surfaces are a brass color, not chrome. It appears that even the top mounted controls are bare brass. In addition it is much taller than the others, has a very unusual font style for the name (thankfully they didn't use it), a very "Contax-like" front plate, and a well for a missing self timer! There is a lever under the rewind (diopter control?). But notice it has a **SCREW MOUNT**! More "Contax" looking than anything Nikon ever made, but with a screw mount! What an amazing collection of features! It makes one wonder just how close Nikon got to going with a screw mount. What an amazing piece!*

*Below: And now take a look at this one! Another tall bodied piece with a very "Contax" looking front plate (This camera is chromed as are all the others but the item above) and what appears to be a selftimer lifted right off a Contax! Top mounted controls are very Nikon like save for the low profile shutter speed dial, and there is no serial number. However, note the NK logo has appeared on the front with a very small rendition of the word "Nikon"! This looks like a completed camera with all parts and leather. Finally, it too has a **SCREW MOUNT**!! What's going on here? Is the rangefinder the exotic Contax type or the simpler Leica type? A strangely unique piece!*

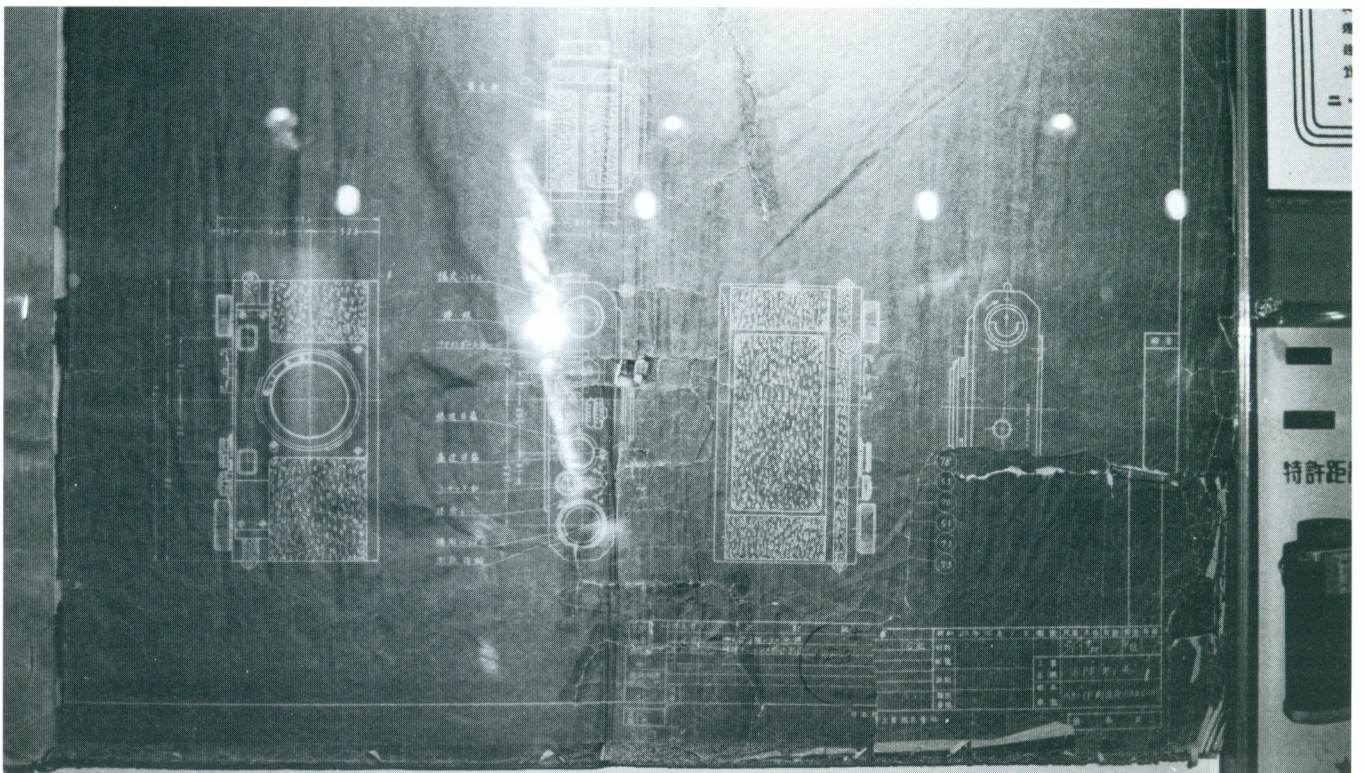






*Below: This is the original blueprint for the Nikon M! We saw this, or something very similar, at the meeting in Tokyo in 1996. They actually allowed us to look at and handle it but in retrospect I think it is best kept under glass as it is here for the exhibit. I have always felt that this type of material and these prototypes had to exist, even though Nikon never made an attempt to display them before now. I'm happy to see that they have begun to look at their heritage with a little more interest.*

*Above: This camera is not as tall as the previous two and not as Contax looking. There is no selftimer and the top controls are very Nikon like. But from there things get a little unusual to say the least. The top plate has a step under the rewind with the NK logo and a serial number: L50041. The "L" is obvious for this camera also has a **SCREW MOUNT**! But were there 40 others? Who knows! And look at that front plate! Not only does it look like a nightmare, it probably would have been one to produce! A little less Contax looking, but still that screw mount.*







*Looking at the photo above, one could easily skip right past what appears to be a mundane Nikon S2 to take a look at Prototype 6094 sitting right next to it. But that would be a mistake! Look below at what is a very interesting piece! We saw this at the convention and I was able to examine both the camera and the lens. It looks like a standard S2 #6136958. Nothing unique so far. But look at the shutter speed dial!!! Sato-san writes, "Note the single pivot non-rotating shutter dial. Later this was adopted for the Nikon SP in 1957." It could be that flash was controlled by the dial since the "Synchro" dial of the S2 is blanked out on this camera. Now take a look at the lens!!!! It is a 35mm/f1.4 Nikkor and we did see this at the convention. It is serial #631001 and may be the only example of this prototype ever made. I first saw it on one of the SP2 prototypes, which makes more sense since this would have been a late design. What a shame they never made it! It could have been one hell of a lens.*

## ANOTHER "NHS" EXCLUSIVE!







### ズームファインダー試作機 (1966年)

究極の距離計カメラを目指して開発されたズーム・ファインダー式の試作品。内蔵ファインダーで35～135mmをカバーし、シャッターは横走りチタン幕。



*And finally the SP2 prototypes! These feel like old friends to me, since I examined them closely both in 1987 and again in 1996 at the convention. In the top photo the camera on the left is #6800004 and the other is 6800005. As stated back in 1987, these are fully functional cameras down to even being drilled for the motor drive. Sato-san writes "Zoom Finder Prototypes from 1966. They were aiming at the ultimate rangefinder camera. Internal finder covers 35-135mm. The shutter is titanium."* The chrome lens is an obvious mismatch and I have seen the 35mm/f.14 on page 6 mounted on one of these SP2s in the past. That would be a more appropriate set for sure.

*(More next issue! Sato-san sent more than I had room for so see NHS-65 for some reflex items!)*





**8****THE****F****--SPOT!!****NIKKOREX F****& THE SINGLEX!!****by ROBERT J. ROTOLONI**

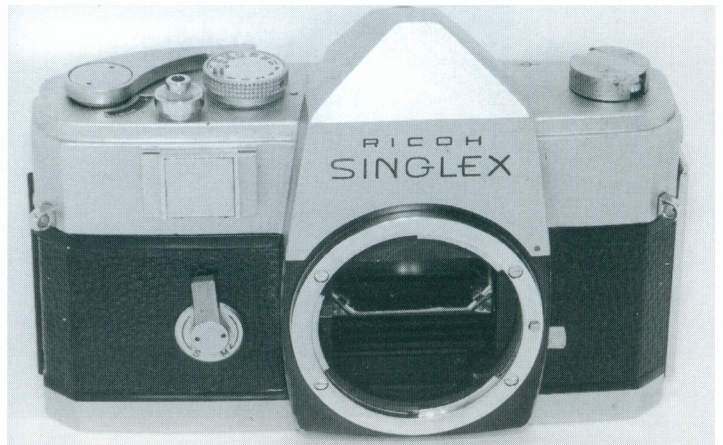
the main targets for the Nikon F, the possibilities were endless. Thus the idea of a lower priced Nikon was a sound business decision and one that makes a great deal of sense. But with the Nikkorex F there is also an interesting story most people are not aware of.

The Nikkorex F was actually designed, developed and produced by another manufacturer! Who you may ask? None other than Mamiya! What is going on here? The story goes that the design of the Nikkorex F was in its final stages when Nippon Kogaku and Mamiya got together to talk. It is not known at this time who approached whom, but all that was needed to finish the camera was to modify the mount and the automatic diaphragm mechanism to work with Nikkors, and the Nikkorex F was ready! But why Mamiya? It appears that both companies had a somewhat close relationship over the years. One of the few times that NK ever made their lenses available to another maker was for the Marshal Press, the brain child of the founder of Mamiya. And take a look at the Mamiya M645 system. Ever notice the little meter coupling prong on its lenses? Right out of Nikon's design book! And it was patented, so Mamiya could not use it without Nikon's blessings. And now we see that the only time NK ever allowed someone to use their bayonet mount it turns out to be Mamiya yet again. Interesting.

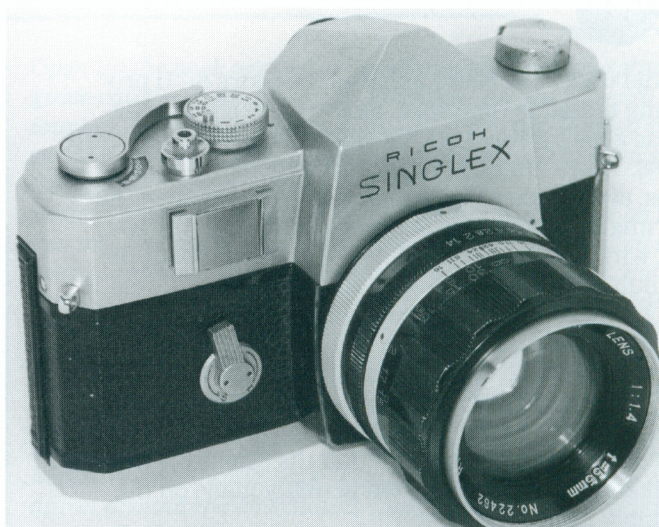


Everyone is surely aware that Nikon has had an alternate "body" in its product line since the late 1950s. The 1950s? Has Rotoloni gone over the edge? What do you call the S3? Was it not a less expensive alternative to the SP? So the idea of a second tier body is not new, but it came to real perfection for Nikon after the start of the reflex era. But ask most people to name the alternative to the top of the line "F" models & they usually tick off the Nikkormat series followed by the FE/FM cameras. But wasn't there anything before July 1965 when the Nikkormat FT was released? Of course there was, but even Nikon will seldom mention what it was. Much of their historical material doesn't even list it! But in July 1962 the "first" alternative to the "F" was released and it was the Nikkorex F. Yeah, the late, unlamented Nikkorex F. It may not be on most peoples' want list, but the Nikkorex F was Nikon's first attempt at a lower priced alternative to the "F".

But why make a "lesser" camera at all? Simple business sense, that's why. The idea was to expand the market for the lenses! If you could open the market for the world class Nikkors to people other than pros and advanced amateurs,







*Facing page 8: It is hard not to see the many similarities between the Nikkorex F and the Ricoh Singlex bodies. Disregard the obvious cosmetic differences in the controls & one can see the relationship between the baseplate and super-structure to the "leather" covered body. These bodies are the same. Top photos: Both the Nikkorex F and the Ricoh Singlex with their proper f1.4 lenses mounted.*

*Right: The Rikenon 55mm/f1.4 mounts correctly on the Nikkorex & the auto diaphragm works as well!*



*Bottom photos..left..Note the close similarities of the Rikenon barrel & rear baffling to the Nikkor. Of course the bayonets are identical, but even the protective collar for the rear element is similar. Note, however, the missing meter prong. Can't mate it to a Photomic! Right: The black version of the Rikenon was made just for the black Singlex, a very uncommon camera to begin with. This shot courtesy Bill Kraus.*

The Nikkorex F was the "first" camera on the market to use the "Copal Square all metal blade vertically traveling focal plane shutter". What a coup for Nikon, right! Even more so when you learn that the shutter was being developed by the Copal Co. around 1960 with the help of 3 camera manufacturers who were to receive exclusive use of the shutter when it was ready. Nikon was **not** one of the 3, but Mamiya was! Another point to consider is that Joe Ehrenreich would have been involved, as usual, with the Nikkorex project, and guess who was one of the marketers of Mamiya products?!

In the end the Nikkorex F was not a successful camera, and its replacement, the Nikkormat FT, readily met the needs of the public who now felt there was room for a lesser Nikon, even though the Nikkorex F was not it! The Nikkormat body was made by Nikon, but it still used the Copal shutter, so the Nikkorex F project bore fruit in the end.

So the Nikkorex F came and went, but not without a fight of sorts. It was reincarnated in 1964 as the Ricoh Singlex and remained in production until at least 1966. The same camera





was also sold under the Sears name as the Sears SL II probably during the same time span. So even though the Nikkorex F was gone by July 1965, its siblings were around until at least 1966. There is a rumor that Ricoh made the Singlex themselves, after buying the tools & dies from Mamiya, but I think this might be wrong. If Mamiya could make the body for Nikon, why not make it for Ricoh? And what about the mount? Would Nikon have allowed Ricoh to use it? Could it have been Mamiya that they let do this because of their previous close ties, and not Ricoh. And if Ricoh left it to Mamiya, who already had the assembly process worked out, to make it, they would gain the prestige of having the Nikon mount grace their camera! Someday we may know the whole story but I think it is very possible that the Singlex is not just the Nikkorex F in disguise, but actually made on the same assembly line!

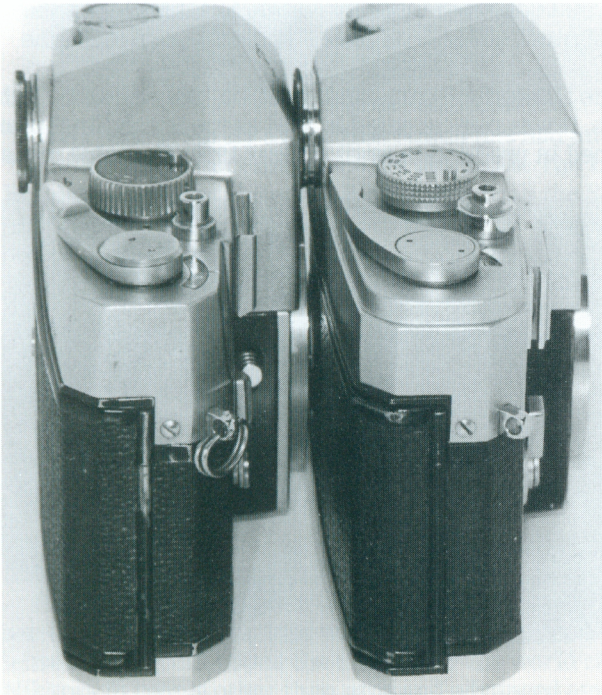
Attempts were made to make the two cameras appear to be different, but on close examination this was mostly done with cosmetics, as the two cameras are really more alike than different. Hopefully the illustrations on these pages will make this point.

The only really interesting variations of the Nikkorex F are the German market "Nikkor J" (see Ulrich Koch's article in NHS-36), and the black Nikkorex F made for the Swedish government, shown here. It is suggested that only 125-150 black Nikkorexes were made, and they are seldom seen on the market. It is interesting that there is also a black Ricoh Singlex! Bill Kraus supplied me with photos of his and you will note that it also has a black lens! In addition, Bill sent the photos of the Sears SL II. It is not known if this item was made in black. Ricoh also made a 35mm and a 135mm lens for the Singlex, or did they. The ones I have seen are identified as "Sekor" lenses, as in "Mamiya-Sekor"!! Figures!

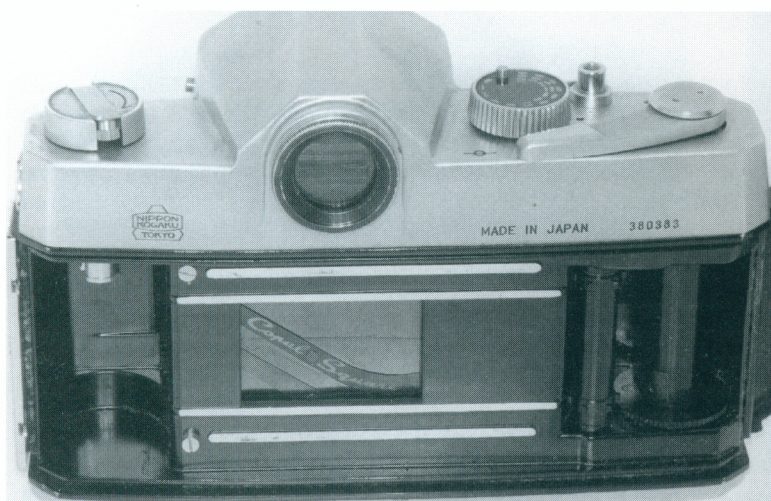
So don't look down on the Nikkorex F too much! Just remember that it is the only Nikon that isn't a Nikon! That it is the only camera made to take Nikkor lenses (other than Russian & Chinese rip-offs) not made by Nikon! A not so great camera, but unique in all the history of Nikon!



*Front, back & side views of these "siblings". Of course there are small differences in the controls, but this is cosmetic for the most part. The "X" socket was moved and some of the "lines" on the superstructure altered, but look at the back locks, lugs, film reminders & actual locations of the controls.*



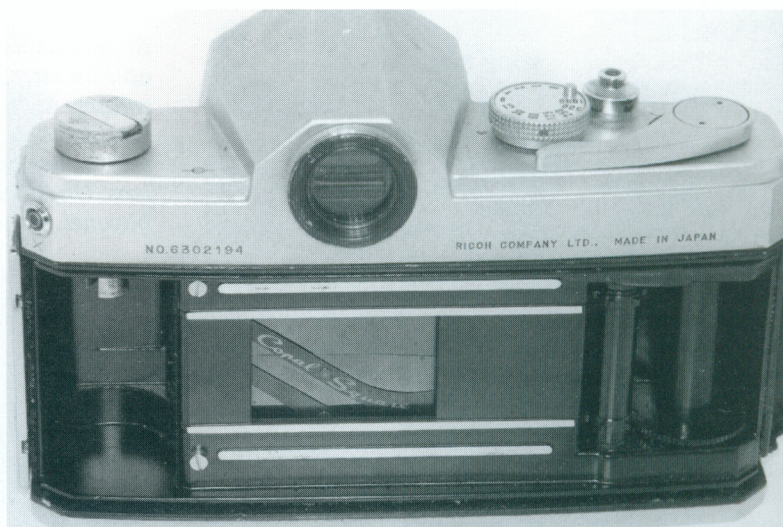




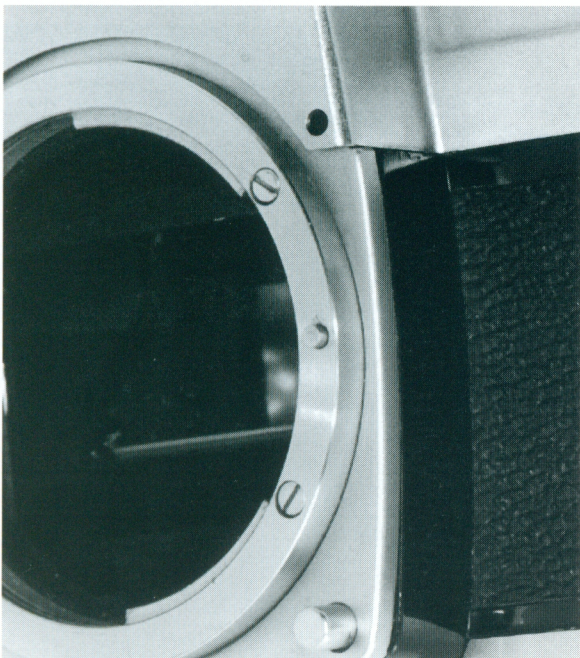
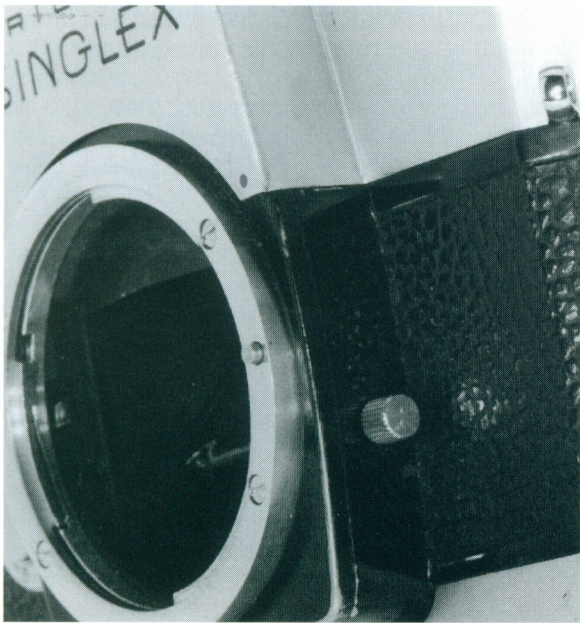
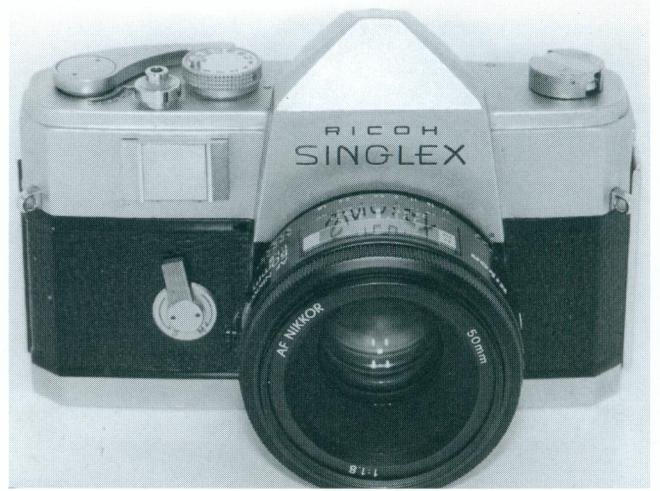
Open up the back and what have you got? The same shutter, guide rails & casting! I mean identical! All the internal contours of the casting appear identical. They flip-flopped the serial numbers and focal plane indicator and changed the (supposed) "maker's" name.

Bottom photos: Here are two of the major differences as far as I can see. The meter mounting shoes are very different so they are not interchangeable but serve the same purpose. However, the selftimer lever is another story. On the Nikkorex (left) the ST is just that, a selftimer. Nothing more. The round knob to the right is the depth of field previewer to stop down the lens. But it is missing on the Ricoh! That's because the Ricoh's lever is dual purpose: turn it in the direction of the "S" and it's a selftimer; turn it toward "M" and you stop down the lens! Maybe Nikon should have tried that one? Also note the black apron around the lens mount. Only cosmetic but it makes the camera look different.

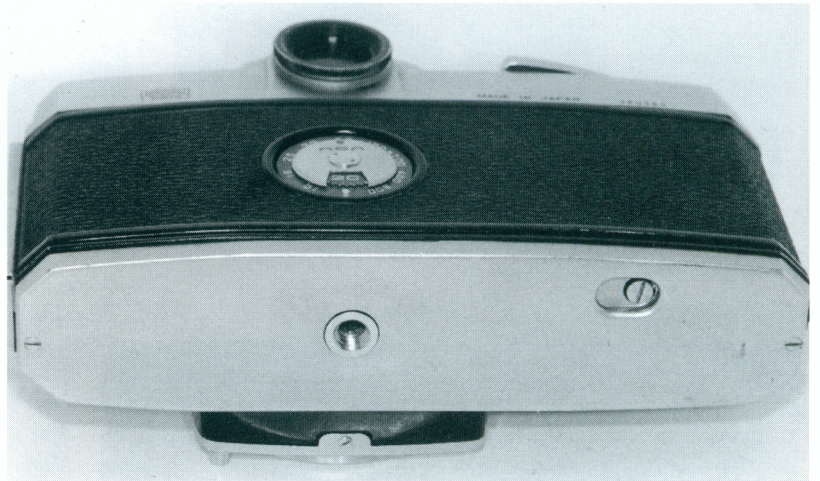
Another black Nikkorex F courtesy of Bill Kraus. Compare it to mine on page 9 and note that they are slightly different!?







*Top photos: Nikkors will fit the Singlex! Even the latest AF's!  
 Bottom photos: The baseplates are identical and interchangeable on my two specimens! Same for the backs and eyepiece collars. A slightly different "pattern" is used on the covering.  
 Left: Another interesting difference centers around the lens release button. On the Nikkorex it is front mounted below the lens. On the Ricoh it is side mounted towards the center of the bayonet. Why? Beats me!*





Bill Kraus sent me the photos on this page. Right & below is the Sears SL II, which is a Ricoh Singlex in disguise. It is more Singlex than Nikkorex because of the meter shoe, selftimer/stopdown lever, wind lever, shutter dial and lens release button. It came with the Rikenon lens, but a Nikkor fits just as well! (Use a Nikkor on a Sears??....remember all those Tower Leica copies that came with Nikkors!!)

Right: The very uncommon black Singlex. I doubt it is as rare as the black Nikkorex F, but still it is not often seen and is an interesting piece. On the bottom is a "family" portrait of sorts. Three cameras that look to be different at first, but are not so different after all! And remember, they all take every Nikkor lens except those that need the mirror locked up.

So if you are looking for something a little different or just a good conversation piece, check out those tables, selling lists and auctions and see if any Nikkorex or Singlexes are hiding. One good thing...they won't cost you a fortune!





## NIKON CAMERA COMPANY

278 POST STREET  
SAN FRANCISCO 8, CALIFORNIATELEPHONE  
YUKON 6-1764CABLE ADDRESS  
NIKONCALANNOUNCEMENT

It is with regret that we find it necessary to inform our customers and representatives that the NIKON CAMERA COMPANY at 278 Post Street is being dissolved. This Company which has been operated as a partnership between Adolph Gasser of General Camera Repair Shop, 278 Post Street, who supplied the technical know-how and service facilities, and the Overseas Finance and Trading Company, Inc., who supplied the import and financing, has, at their request, been dissolved. The active partnership has ceased to function as of December 31, 1951. However, all goods on back order of that date will be shipped from NIKON CAMERA COMPANY at 278 Post Street and will carry the same unconditional guarantee and service of previous shipments. The guarantee will be carried by General Camera Repair Shop. Bookkeeping and accounts receivable of business done with NIKON CAMERA COMPANY, 278 Post Street, will continue at the same address until the business has been wound up. All orders and inquiries dated after January 1, 1952, will be turned over to Overseas Finance and Trading Company, Inc. at 465 California Street, and you will no doubt hear from them.

Let me take this moment to thank all of our customers and representatives for the splendid job they have done to date in marketing these excellent optics and cameras manufactured by Nippon Kogaku KK of Tokyo, Japan. I, personally, take pride in saying that their craftsmanship and optical excellence of their products are equal to the best that I have seen in a business which I have been associated with during the past twenty years.

Sincerely yours,

  
Adolph Gasser**HISTORICAL LETTER!**

I recently was able to purchase the 'original' of this letter! This bit of historical fact dates to the time before Mr. Joseph Ehrenreich had gotten involved with Nikon. There is very little information available from this early period and an artifact such as this enlightens us to the daily activities of those who were the first to import the Nikon into America!



# NIKON 'S' GENERAL

## LIST.... PART II

As stated in NHS-59, I want to reproduce as much of as I can a document entitled "The General List of the Nikon System (Nikon S Series)". Part One dealt with the Nikkors in Leica screw mount and this time around I thought I would showcase some of the more significant accessories made for the rangefinders. Remember, this is being reproduced as it appears in this manual, verbatim. Therefore, there are no embellishments or ad copy of any kind, just strictly facts and figures. So it cuts through the chafe and gets right down to the important information only. Pure historical fact!

\*\*\*\*\*

### REFLEX HOUSING

This reflex housing is primarily designed for use with the Nikon, all models, and the 180mm, 250mm and 500mm Nikkor lenses as well as the 135mm short-mount lens where focusing and composing cannot be made through the camera's view and rangefinder. It is used also with the Bellows Focusing Attachment for close-up photography.

4.3X magnifier with an image erecting prism.

Adjustable release socket for precise synchronization of mirror and camera shutter.

Rotation of camera body provides a horizontal or vertical picture format within the housing viewing field, automatically changing to conform with the camera position.

Provision for keeping mirror raised for multiple exposures with the Nikon Electric Motor Drive.

Supplied complete with connecting cable, cable release and finger release.

This housing cannot be used with a Contax as its connecting cable end does not fit on the shutter release of the camera.

### BELLOWS FOCUSING ATTACHMENT

Combined with the Nikon, all models, Reflex Housing and Nikkor lens, it allows for close-up photography. The Nikkor 135mm/f4.0 in short mount primarily designed for this unit permits photography from infinity to life size 1:1. Focusing is obtained by changing the bellows extension by means of the knob on the guide rail along which reproduction ratios and exposure factors are engraved. The unit may be held by hand conveniently, or mounted on a tripod.

An adapter is available on order to permit use of Nikkor 50mm/f1.4 or f2.0 lenses in the reversed position on this unit since they have inner bayonet mounts. Specify.

*(The following line has been manually crossed out on all copies of this manual that I have ever seen!)*

Supplied with wooden case.

### REPRO KIT MODEL SA

Designed for use in conjunction with the Nikon, all models, and Nikkor 50mm/f1.4, f2.0 and Micro-Nikkor 50mm/f3.5 lenses, it permits photographing flowers, insects, postage stamps, machine parts, medical specimens, documents, etc., at ratios from 1/5 reduction continuously to reproduction in life size, i.e., objects ranging in size from 4 & 3/4" x 7" up to 1" x 1 & 1/2", or in millimeter dimensions, from 120 x 180mm to 24 x 36mm. The outfit may also be used for photographing from 1/6 down to 1/20, i.e., 19" x 28 & 1/4" or 480 x 720mm.

Focusing is done on a ground glass screen and can be checked to minute detail by an adjustable eyepiece magnifier.

The complete outfit includes: frame base and upright post; bellows and bracket unit with handle; focusing finder with magnifying eyepiece; auxiliary lens for 50mm/f2.0 (the auxiliary lens is used for further reduction ratios of 1/6 to 1/20 except when using the Micro-Nikkor 50mm whose mount is collapsible.); adapter ring for attaching the auxiliary lens to the 50mm/f1.4; anti-reflection ring. All are supplied in a portable instrument case.

The outfit may be conveniently hand-held or, by unscrewing the handle, mounted on a tripod.

### REPRO KIT MODEL PA

Designed for use in combination with the Nikon, all models, and Nikkor lenses, primarily the 50mm/f1.4, f2.0, or Micro-Nikkor 50mm/f3.5, this outfit is used to photograph manuscripts, maps, reference materials, etc., at ratios from 1/20 reduction continuously up to reproduction in life size, i.e., objects ranging in size from 19" x 28 & 1/4" to 1" x 1 & 1/2", or in millimeter dimensions, from 480 x 720mm to 24 x 36mm.

Focusing and viewing can be rapidly accomplished without detaching the camera body. In addition, the entire focusing head can be swung sideways 90 degrees to photograph wall mounted copy.

The complete outfit includes: automatic positioning sliding fold-over camera-and-focusing screen unit with bellows lens mount; detachable magnifier eyepiece; adjustable height supporting arm; 2-piece chrome upright post; auxiliary lens (as in Model SA); adapter ring for attaching the auxiliary lens to 50mm/f1.4; anti-reflection ring. All are supplied in a portable instrument case which serves also as a working platform.

### OUTER BAYONET ADAPTER

By means of this adapter, Nikkor wideangle and telephoto lenses in Nikon mount can be attached to and used with the Repro Kit Model PA, at the ratios showing in the following table;



**NIKKOR LENS**

135mm/f3.5	1/5 - 1/2
105mm/f2.5	1/5 - 1/1.6
85mm/f2.0 & 1.5	1/3 - 1/1.2
35mm/f1.8, 2.5 & 3.5	1/1.4 - 1.9X
28mm/f3.5	1/1.1 - 2.4X
25mm/f4.0	1/1.1 - 2.6X

**REPRODUCTION RATIO (infinity)****TABLE CLAMP**

A table clamp is available for locking the Model PA upright post on the edge of a desk without using the instrument case as a working platform.

**MICROFLEX**

The Microflex is a prism reflex microscope attachment developed for 35mm photomicrography to be used in combination with the Nikon, all models, or Leica, and fits any standard draw tube. It consists of a body unit; ocular viewfinder for photography in high power magnification, dark field illumination or phase contrast observation; ground glass viewfinder in low power magnification; 7X magnifier for ground glass image focusing; camera adapter; eyepiece holder and three filters (yellow, orange and green).

The Microflex uses a single cable release which swings the prism out of the optical path and releases the shutter in one operation. The shutter incorporated in the body unit provides exposures from 1 second to 1/300th plus T and B.

*(It must be noted that the top speed has been manually changed to 1/300 from 1/200! This is because an earlier version only went to 1/200, but by the time this manual was being used the newer version with 1/300 was in use. Instead of resetting the page, they simply changed it by hand!!! Those were the days!)*

The Microflex is available in 2 models...Model FMA with an adapter for the Nikon, and Model FMB with an adapter for the Leica. Specify.

Adapter for use with NK's polarizing microscope POH is available on order.

Supplied with hardwood instrument case.

**ELECTRIC MOTOR DRIVE**

The Motor Drive attachment adapts the Nikon for automatic sequence exposures at the rate of 3 frames per second as long as the release is depressed or until the pre-set number of exposures, on the motor counter, has been reached, since it permits automatic winding of film and shutter for the next exposure immediately after releasing. Remote control operation and single frame shooting are also possible. Range of usable shutter speeds for sequence exposures is 1/60th through 1/1000th.

The units fits the Nikon S3 or SP especially adapted for this purpose and replaces the standard camera back. It does not fit a standard, unadapted S3 or SP.

Power is supplied from 6 "C" batteries, 1.5V each (standard dry cell) in a compact accessory leather case designed to be carried conveniently even while the camera is hand-held.

Supplied complete with battery case and 3.3' (1m) cord.

**BATTERY TESTER**

The tester is available to check the total power output of the Motor Drive batteries. It plugs into the battery case outlet terminal. The scale figures below 7.5 volt, the minimum output for operation, are indicated in red.

**STEREO OUTFIT**

Designed for taking 3-D pictures in combination with the Nikon, models S2, S3 & SP, it consists of a Stereo-Nikkor, Stereo-Prism unit, Stereo-Finder and Stereo-Viewer.

**STEREO-NIKKOR**

Consisting of a pair of 35mmf/3.5 lenses, it is directly mounted on the camera and couples to its built-in range-finder, just as other Nikkor lenses do. Each pair is matched and mounted side-by-side 18mm apart from center to center and has a picture angle of 43 degrees 30', giving a stereo picture 17 x 24mm in the conventional 24 x 36mm format.

The Stereo-Nikkor permits a focusing range from 3.5ft (1m. in metric calibration) to infinity. The coupled diaphragms stop down to f/16.

Supplied with snap-on front lens cap 40.5mm and rear lens cap. bayonet type lens hood SB-51.5 and screw-in filter 40.5mm (stereo) are available on order.

**STEREO-PRISM UNIT**

This is mounted in front of the Stereo-Nikkor and is used to get a greater stereo effect when photographing at great distance, since it enhances the effect to the extent as if the lens separation was increased to 80mm from the 18mm.

**STEREO-FINDER**

This fits into the accessory shoe of the Nikon. The extent of the picture field is outlined by a bright-line frame. Parallax correction is indicated by a dotted line visible in the field.

**STEREO-VIEWER**

The Stereo-viewer permits proper viewing of the stereo transparency in a standard 50 x 50mm (2 x 2in) slide mount. Eye sight correction by focusing eyepiece.

A fitted leather case is available for the Stereo Outfit excluding the Stereo-viewer.

**UNDERWATER HOUSING**

Designed for use with the Nikon, Model S2 (with serial numbers 6141001 and above), S3 or SP each fitted with either the 28mm/f3.5, 35mm/f1.8 or f/2.5 Nikkor wideangle, for underwater photography. The housing with a camera has a specific gravity of approximately 1.0, contributing to ease of handling in the water. Film advancing, shutter winding, lens focusing and aperture setting are all controlled from outside. Yellow, orange and UV filters are built-in, which are brought into position by means of the lever. Automatic exposure counter, synchro flash outlet and attachable frame finders provided. Pressure tested to depth of 170 ft (50m.).

Flash unit as an accessory comprises a pair of flash guns each provided with a 6" (15cm) reflector; a 20" (50cm) long and two 16' (5m) long cords; a bracket for on-camera flash and a double-headed connector for off-camera flash.

Supplied complete with 3 lens adapters and accessory flash unit each in canvas cases.



## OSCILLOGRAPHIC RECORDING UNIT

Used for sequence recording of cathode-ray oscilloscope traces on 35mm film with Nikon, all models.

The unit is available in three models each for the standard 75mm (3"), 120mm (4.8") and 133mm (5") oscilloscopes.

A viewfinder is provided on the side of the unit for viewing the pattern to be photographed at the moment of exposure.

Supplied complete with focusing glass and adapter for fitting unit onto oscilloscope, in wooden case.

## CLOSE FOCUSING ATTACHMENTS

In portraiture, in photographing pets, plants, medical subjects, etc., or for reproduction of painting and prints at distances less than 3ft. (0.9m.), use of the Close Focusing Attachment will prove advantageous. It consists of a range-viewfinder attachment and supplementary lens, and permits accurate focusing and framing by means of the camera range and view-finder.

Shooting range: 18 inches (47cm) to 30 inches (80cm)

Reduction ratios: 1/13.7 - 1/7

Area photographed: 6-5/8" x 9-7/8" to 1'1" x 7-3/8", or in metric, 17cm x 25cm to 33cm x 49cm.

The attachment is available in six models in accordance with camera and lens combinations. Specify.

Supplied with leather case.

<u>TYPE</u>	<u>USED WITH</u>
A 1.4	Nikon S with 50mm/f1.4 Nikkor
A 2	Nikon S with 50mm/f2.0 Nikkor
B 1.4	Nikon S2 with 50mm/f1.4 Nikkor
B 2	Nikon S2 with 50mm/f2.0 Nikkor
C 1.4	Nikon SP/S3 with 50mm/f1.4 Nikkor
C 2	Nikon SP/S3 with 50mm/f2.0 Nikkor

## EXPOSURE METER

This reflected light Exposure Meter couples to the shutter speed dial of the Nikon SP or S3 as it is put in the accessory shoe of the camera.

Correct exposures can be set by simply rotating the dial until the exposure meter indicates the pre-selected f-stop; or readings can be made directly in f-stops for a given shutter speed setting. A hinged shield with a slit is provided for readings in bright light. In its raised position for dim light, sensitivity is multiplied 64 times. Supplied with leather case.

Range of exposure time: 1/1000sec. to 15 sec.

Range of f-stops: f/1.0 to f/22

Film speed settings in ASA: 6 to 4000

Opal plate for incident light reading.

## LIGHT BOOSTER (AMPLIFIER)

The Light Booster is available as an accessory to the Nikon Exposure Meter and increases its sensitivity by 4 times. Supplied with incident light opal plate and leather case.

## EXPOSURE METER RETAINER

The Nikon Exposure Meter with its slip-on and shutter coupling features may be put to use separately from the camera by the use of this retainer thus protecting the meter coupling gear.

## UNIVERSAL VIEWFINDERS

Universal Viewfinders come available in Varifocal and Variframe types, each enjoying its own convenience in composing pictures.

Distance scale for parallax adjustment in feet or meter. Specify when ordering.

A 28mm adapter attachment is available on order for each type, thus bringing out a field of view for this particular focal length.

## VARIFOVAL

The Varifocal viewfinder maintains a fixed picture frame and varies the size of the image within it as its adjusting ring is set to a desired focal length calibration, from 35mm to 135mm. Parallax adjustment provided. Used with all Nikons except Model 1 (discontinued).

Supplied with leather case.

## VARIFRAME

The Variframe viewfinder varies the picture frame to conform to the field of view of the lens used, from 35mm to 135mm, with the size of the image unchanged. Parallax adjustment provided. Used with Nikon, models S2 & S3.

Supplied with leather case.

## SPORTS FRAME VIEWFINDER

For all models Nikon. It consists of five folding frames, one inside the other, to match each view field of the lenses from 35mm through 135mm.

Supplied with leather case.

## INDIVIDUAL VIEWFINDERS

In the following table are listed Individual Viewfinders for use with various Nikkor lenses in Nikon, Contax and screw mounts. Used with all Nikon except Model 1 (discontinued).

Viewfinders 85mm through 135mm are equipped with parallax adjustment rings either in feet or meters. Specify.

Supplied with a leather case except for the 25mm, Mini 35mm and 50mm.

<u>FINDER</u>	<u>LENS MOUNT</u>			<u>PARALLAX CORRECTION</u>	<u>NEAREST *4 CORNERMARK</u>
	<u>NI</u>	<u>SM</u>	<u>CX</u>		
25mm.	Y	Y	N	Not required	Not provided
28mm.	Y	Y	Y*3	Not required	Not provided
35mm.*1	Y	Y	N	Marking	Not provided
50mm.*1	N	Y	N	Marking	Not provided
(life size)					
85mm.*1	Y	Y	N	Adjustment	Provided
(life size)					
105mm.*1	Y	Y	N	Adjustment	Provided
(life size)					
135mm.*1	Y	Y	N	Adjustment	Provided
(life size)					
Mini-35	Y*2	N	N	Not required	Not provided

\*1..These finders have bright-line frames. The 50mm finder offered for use with the Nikkor 50mm/f1.1 on the Leica f & g models as part of the viewfinder image is cut off.

\*2..For exclusive use on Nikon S2. Permits the eveready case to close with the finder on camera.

\*3..Cannot be used for Contax with built-in exposure meter.

\*4..Corner marking indicates the viewfield for nearest subjects while the outside main bright frame for the furthest subjects.



# NHS-CON7!!!

By the time you read this, the "millennium" convention will only be 8 months away. Time to start making plans for your trip. We will be holding the convention in the Best Western Rotterdam Airport Hotel...why the airport hotel? Well, it's only a 10min walk from my "Nikon Dungeon", which is great for me because it means a 2min trip by car. At the last convention held in Holland 6 years ago, I spent hours driving back & forth to the hotel. We have a large room reserved for our meeting and we have a fun packed weekend planned starting Friday morning, so try to arrive Thursday if possible. More info in the next Journal, but I can assure you of a great welcome.

One question often asked is...what about customs? Well, customs the world over have so much power they should be treated with lots of respect...boot licking is the correct procedure for these people! So what can I bring in? A reasonable amount? First, let me tell those of you traveling from outside the European Community, the customs are able to pick you out at a glance, because of a green stripe on the baggage labels, or the lack of it! Those traveling from outside the EU can, by way of a transfer from, for instance London, use a small hole in the fence. You will be in transit to your final destination from within the EU, so no customs check. Your baggage will be x-rayed, but this is only for security reasons. Using only carry-on baggage helps as well. There is no hard or fast rule, but if you have just one large camera bag full of Nikon toys, make a list. For members coming from the states you will need an export form listing all you take out so that if you don't manage to sell it all, it's not a problem to return to the states. But try walking up to the customs people in the "red line", and asking for a stamp on your list, tell them that you are on vacation for a week (don't forget to have 10 rolls of film lose in your bag), ask if you need a permit, make no mention of buying or selling, camera shows, or conventions, don't have any price lists with you. If you need a price list of your gear, send it to me in advance. Customs has an up to date copy of Jim McKeown's book! Caution is the word! A note about dress: don't wear one unless you are of the female gender! At the last convention in Holland, Mike Otto had the full weight of the Dutch customs come down on him. One of the reasons Mike was picked out was (nice guy though he is) because of his long hair and easy going look. He has since shortened his hair, much to the relief of us bald guys...bald is not a nice word...follically challenged sounds better! It's also possible to send a parcel to me in advance. Sea post is the cheapest, but it takes 4-5 weeks to get here from the states (I think it goes via Australia!). A not too large box should not be too many problems, but phone me in advance. Remember that import duty and value added tax will have to be paid on arrival in Holland, which adds 26% to the total declared value! So it's always a good idea to under-declare. This has its risks because, if your parcel should get lost you can't insure for more than the declared value! A "Catch 22"!

I have been talking to our hosts for the camera fair, the Dutch Collectors Club, who have made the Houten show probably the best, and the biggest, indoor show in the world! The last one in March had 880 meters of tables, a half mile of cameras. with 4700 people through the doors! We may have a

If the feedback I have been getting is anything to go by, we should have about 90-100 members attending. Who is doing what? The boss, Robert Rotoloni, has something up his sleeve! Bill Kraus is working on one of his delightful talks. Tony Hurst will have one of his fantastic slide shows for your enjoyment. Doug Napier informed me in London of a project he was working on, very interesting! Ulrich Koch & Jimmy Purimahuma are going to cover in depth the German Nikkor F. We three, Ulrich, Jimmy & myself, have formed a small group of Nikkor collectors. But we do need more speakers. Keep it short, 10-15 minutes, take a few slides or make a small video. I hope to have at our disposal a large screen video projector, a great sound system as well as a bank of slide projectors. A nice finishing touch to your presentation would be a written copy. make something on the computer with a few photos. Members would like to have a hard copy of your talk. Send them to me in advance and I'll make copies including color. We hope to have a program for those who bring their better half, the wife. The old Dutch town of Delft is only 10km away. The center of Rotterdam is within easy reach, 15min by bus. Rotterdam is a modern city, a boat trip is well worth taking.

**Making travel plans:** The hotel is a short walk from the airport. A great place to travel into; 10 flights a day to & from London's Heathrow; 6 flights a day to Gatwick. Other possibilities for cheap travel try Brussels, a little over 1 hour by car from Rotterdam. Virgin Airlines uses Brussels as a hub for Virgin Express, with connecting bus service to Rotterdam. Most of you from abroad will arrive at Amsterdam's Schiphol Airport, voted the best for 5 years in a row. It is about 40 minutes by car from Rotterdam so it is worthwhile to hire a car. A rental car is important because the Sunday show is about a 40 minute drive from the hotel! Holland must be one of the easiest places to drive around. Most all major roads are illuminated, as are the signs. We will of course have taxis available for Sunday and the cost is about \$60 to get to the show, and \$60 to get back! For those of you in the states who would like a little first hand knowledge can give Rod Stines a call at 765-284-5566. He has been to Holland quite a few times and knows the ropes.

We will be having a small charge to help in some way to cover the costs of the convention. We would also like to ask members who purchase from the larger Nikon dealers to ask the owners if they would like to become a sponsor for the convention. I'm sure the contribution will be repaid ten-fold.

We have space available for a small exhibition. We want you to take pictures showing the word "Nikon". Could be a picture of your grandson dropping your F4 into the pool while you sleep on the porch, or a shot of your SP under the wheels of a steam roller. Be creative. You have 8 months and try to keep it to a framed 8x10. Happy shooting!!

**Any questions please feel free to get in touch with me, but no collect calls, please! I look forward to seeing you in the spring. Home phone/fax.....31-10-262-3638 Work phone.....31-71-565-3096 Museum fax.....31-10-415-9136 email...plownds@estec.esa.nl Society 24hr fax #s...708-895-9663 & 708-895-5368**



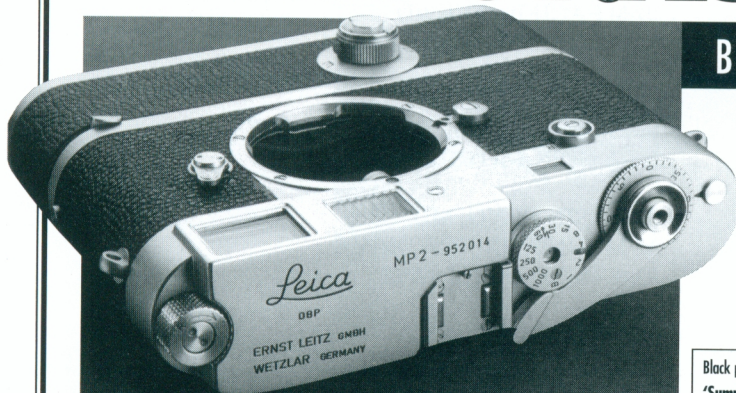
## Stephen Gandy's CameraQuest

Charter NHS Member. Internet Camera Dealer of Classic Collectible Cameras, especially collectible Nikon. Large Collectible Nikon informational section. Nikon and Leica Rangefinder Repairs.

Rare items available at press time include the last known production 1000/6.3 Nikkor, complete US Navy F KS-80A, Titanium FM-2 Year of the Dog, Nikon F3 Limited, 523 series 135/4 Nikon RF lens, 300/2 Nikkor, and the 20th production Leica M6.

In the US call 800-477-8966 or FAX 818-879-1968  
<http://www.CameraQuest.com> Los Angeles

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LEICA NIKON CONTAREX

Also Leica copies (Leotax, Hansa, Kardon, etc)  
 SINGLE ITEMS OR COMPLETE COLLECTIONS

PLEASE CONSIDER US WHETHER YOU ARE SELLING YOUR  
 CAMERA COLLECTION OR GRADUALLY BUILDING ONE.

JUST LOOK AT SOME OF THE RARE  
 JEWELS WE HAVE SOLD RECENTLY:

Black point M2/M3/M4, grey enamel M2, olive green M1 and M3 bodies, M3 Betriebsk #1004 with 'Summikron' (Lager vol.1 p.181), 2 very early production M3 bodies (numbers under 700150), 3 chrome MP (inc. no.366, p70 'Leica in Colour' van Hasbroeck), black MP no.123 (as illustrated p.81 'Leica Collectors Guide', Dennis Laney), M2M and M4M (both with motors), black M4 with 'Midland Canada' top plate, M4-P half frame, M3 prototypes, dummies, Betriebsk and cutaways. 50 year anniversary CL, M4 and M5. Chrome MP2 with motor!

Leica 0 (null series) no.126, Leica I Anastigmat no.221 (illustrated p.126 'Leica Collection', Shinichi Nakamura), diaset and rimset Compurs. Leica II 'Luxus' (illustrated p.34 'Leica in Colour' van Hasbroeck). Leica 72, (Canadian, German and prototypes). 250 'Reporter' both FF and GG, black IIIf and IIIg (Swedish army), pre-production Ig and IIIg bodies (some illustrated in Lager vol.1), 33/3.5 Stemar set, 35/3.5 Stereo Elmar (only 32 ever made!) and 90mm f7 Stereo lens. Mooly motors, chrome, grey and black!

Very many early prototype Leicaflex models, some with interchangeable prism, some with unusual motors and some finished in black point. Also Leicaflex mk.1 and mk.2 bodies in black point finish. Early Leica copies including several Hansas, Canon J, Canon JS, Canon S, Leotax Specials (various models, all with correct and original Letana Anastigmat lenses). Nikon rangefinder equipment including Nikon 1, black Nikon S3, S3 Olympic, black SP with motor and black S3M with motor. 35/3.5 Stereo Nikkor. Nikon F# 6400xxx.



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## **CLASSIFIED ADS**

**SELLING/TRADE LIST...** I have sold a fair amount of items off my previous list, but I still have many **Nikon RF and Reflex** items for sale as well as products of other companies such as Canon, Pentax, Minolta, Leica, Zeiss, Rollei, Kodak, Mamiya & others. Those of you on my mailing list will receive all editions automatically! Also, some of you have asked about the availability of my Nikon book. I am happy to say I just received another shipment of 20 copies.  
**Robert Rotoloni, P.O. Box 3213, Munster, IN 46321**  
**Fax # 708-895-9663...e-mail..rotoloni@msn.com**

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MARGHERITA FRANCHINI  
VIA ADOLFO WILDT, 5  
MILANO 20131, ITALY

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BETHESDA, MD 20827-0415

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DR. GEORGE BALANIKAS, MD.  
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PLATAMON, GR-600 65 PIERIA, GREECE

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7450 OAKHURST ROAD  
SEMINOLE, FL 33776

URS BRUNNER  
SCHOENENBERGERWEG 9  
CH-8405 WINTERTHUR, SWITZERLAND

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STANWOOD, WA 98292

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3 PENINA CLOSE, BLETCHLEY, MILTON KEYNES,  
BUCKS MK3 7TL, ENGLAND

### **NEW MEMBERS...CONT.**

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47, LATIMER ROAD, CROPSTON,  
LEICESTER LE7 7GP, ENGLAND

MARK KARRELL  
KEH CAMERA BROKERS  
2310 MARIETTA BLVD., N.W.  
ATLANTA, GA 30318

MATTHEW LIN  
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31 WHITFIELD RD, NORTH POINT, HONG KONG

KENNETH LUK  
FLAT A, 16TH FLOOR, CHIN HUNG BLDG.  
1-15 HEARD ST., WANCHAI, HONG KONG

SAMAN MAJD  
40 KENSINGTON PARK GARDENS  
LONDON W11 2QT, ENGLAND

SIMMY MENDELSON  
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MONTREAL, QUEBEC, H2Z 1G8, CANADA

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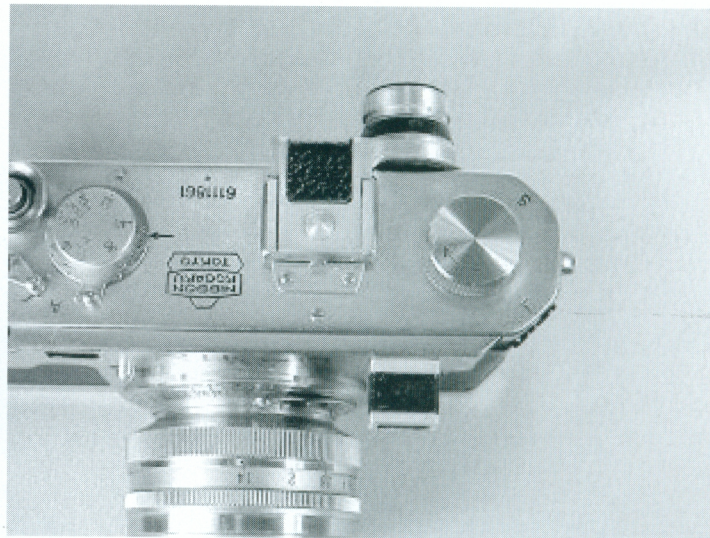
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# odds 'n ends

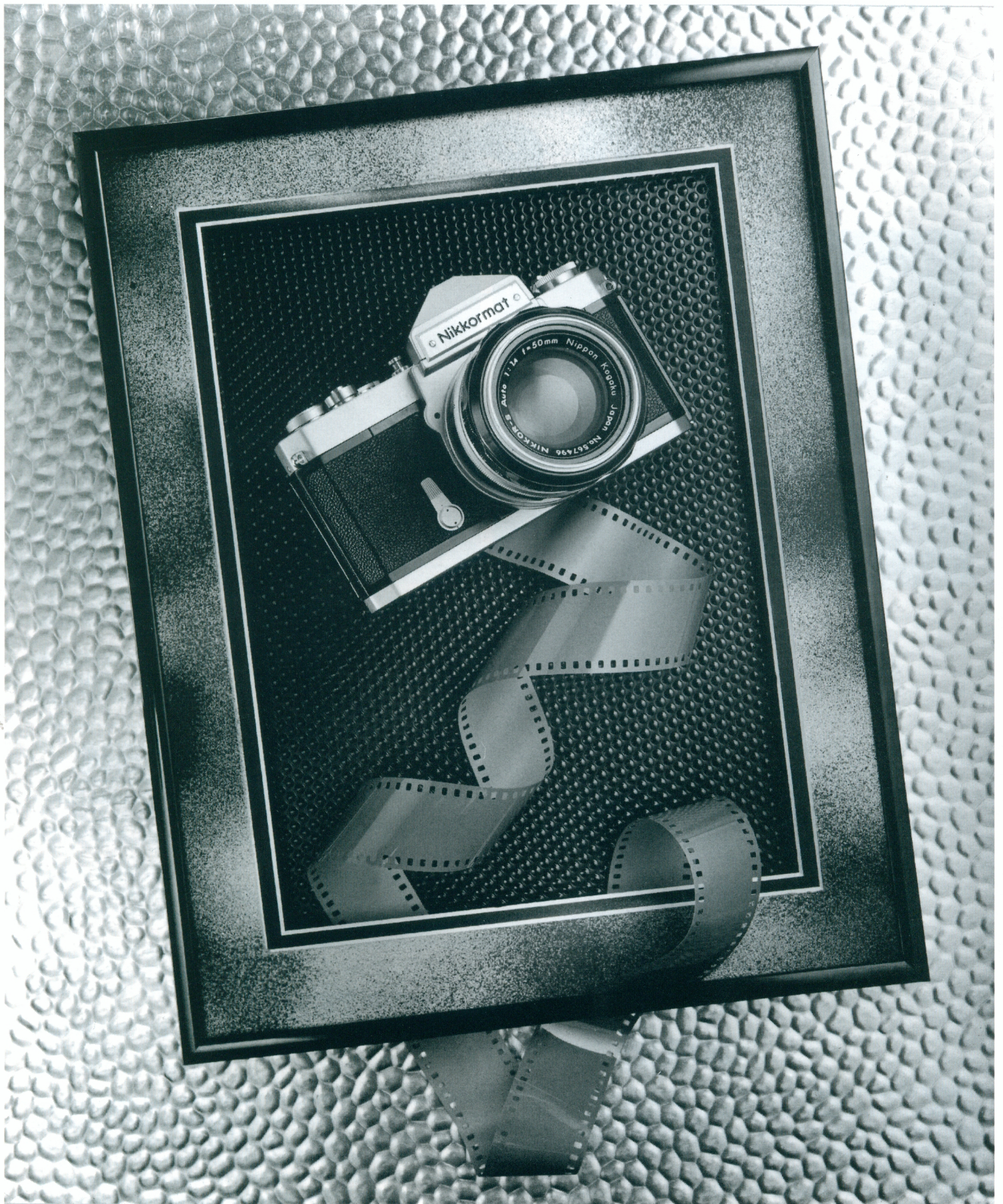


## A HOMEMADE DIOPTER CORRECTOR!??

Member Mike Symons recently informed me that he had purchased a “duplicate” of the Nikon Diopter Corrector eyepiece made for the I, M & S models. I asked for photos and this is what he sent! This thing is really neat! It looks just like the real thing and the maker must have used one as a guide for the lines are just too similar. However, looks can be

deceiving! It differs from the Nikon item in 3 ways: it does not possess the secondary accessory shoe; it has a “push-on” tubular piece that mounts to the VF window and tends to mask the image suggesting the 85mm frame; and it does not have a diopter correction ability! So I guess it really isn't a ‘diopter corrector’! Well, whatever you want to call it, I think it's a neat little piece and probably unique!





**Created For The 'NHS' by TONY HURST**