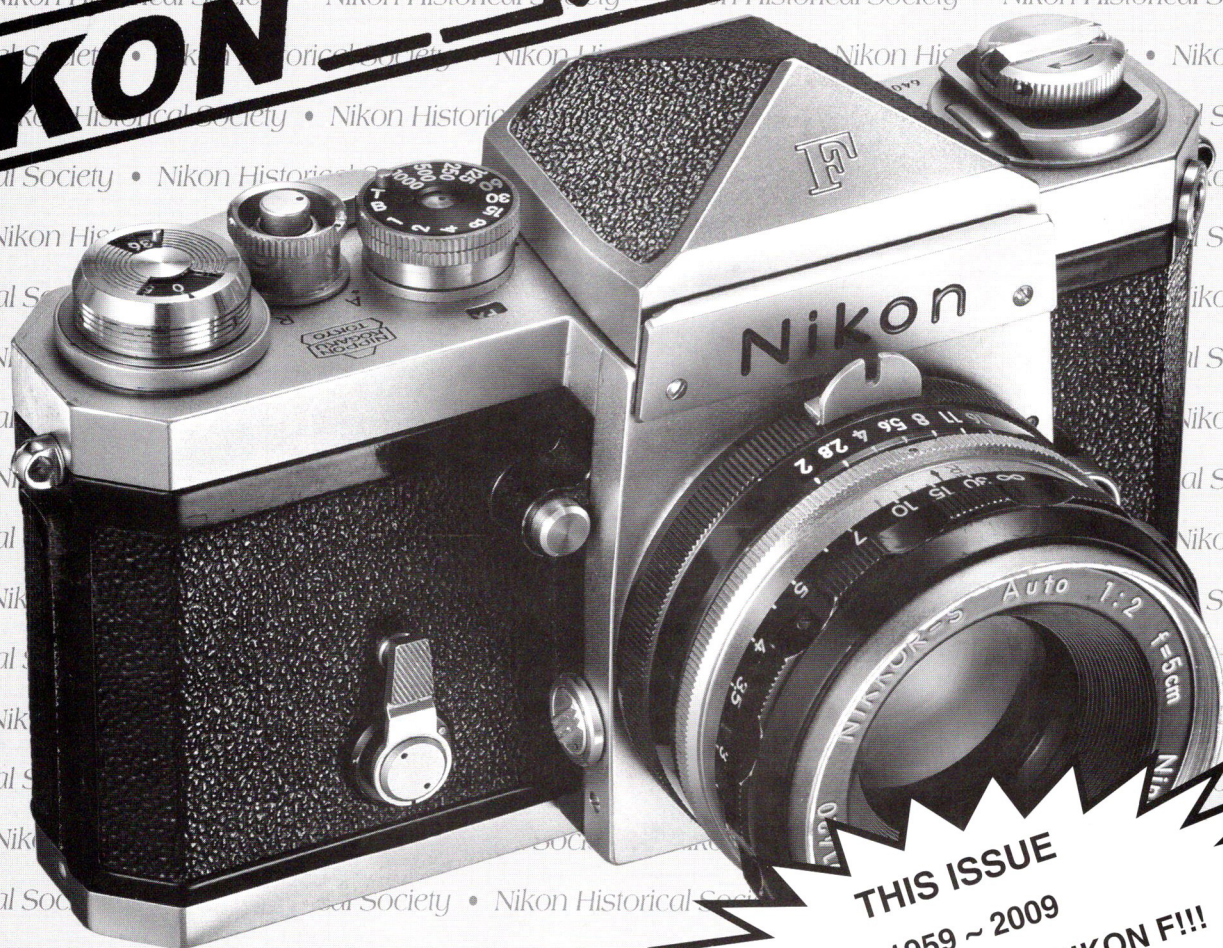


A PUBLICATION OF THE NIKON HISTORICAL SOCIETY



SEPT. 30, 2009
NHS-105

26TH ANNIVERSARY ISSUE 1983~2009 **NIKON F** JOURNAL



THIS ISSUE

1959 ~ 2009

50 YEARS OF THE NIKON F!!!

WE CONTINUE ITS STORY!

ROBERT J. ROTOLONI
EDITOR/PUBLISHER



THE NIKON ISSUE JOURNAL #105

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A LOOK INSIDE YOUR NIKON F!

NHS -106 DEADLINE!

The deadline for the next issue of our *NIKON JOURNAL*,
NHS-106, is **NOVEMBER 15, 2009**. Please get all your cor-
respondence and photos to me on time so I can bring it out on
schedule with the Holiday rush. Thank you. **RJR.**

EDITORIAL

Welcome to the 26th Anniversary issue of your Nikon Jour-
nal! Seems like yesterday we were all excited about the 25th,
yet another year has flown by. This issue is a little late (about
10 days) because of some family and work commitments that I
had to take care of. The month of September was very hectic
so I was not able to get #105 done by October first.

We continue with our year-long celebration of the 50th birth-
day of the venerable Nikon F with this, the third issue, devoted
to this most famous camera. And this Journal is so full of ma-
terial that I had trouble fitting it in. Also, I have so many more
articles and bits of information that it looks like the fourth, and
final, installment due out in January may not hold it all. So it
looks like there will be more Nikon F material as we get into
2010! But that's OK. Keep your ideas coming. It's a fascinat-
ing system for sure.

Our resident 'F' expert, Uli Koch has come through again
with a detailed article on the Jacobson battery packs for the 'F'
motors that eventually inspired Nikon to produce their own
famous version. For such a low production item the variations
are amazing. He also has a second article on page 12 about the
first Microflex units made for the reflexes. These are nearly as
hard to find today as the RF type they evolved from. Uli has
more material for me and I will try to get it into #106. I have
never been so flush with articles and ideas! Great!

I have devoted 3 pages to literature with excerpts from the
'Nikon World' magazine & other EPOI publications. The 'F'
era was a hotbed of innovation and experimentation.

On pages 10/11 you will find some photos from my ar-
chives of some really rare and wonderful Nikon F cameras and
prototypes. I probably have more if I can just find them.

Uli's article on the 'Sea Glove' has inspired some feed-
back. Member Ian Shephard has sent photos from the litera-
ture on about another half dozen UW housings made for the
Nikon F (the 'F' was the camera of choice during the 60s/70s
for specialized work and more UW gear was designed for it
than any other brand). See page 14.

On page 19 is a little more on Nikons in the hands of the
'rich & famous' including Sinatra and Gina Lollobrigida. Next
issue will feature another very interesting Nikon user.

Don't forget to check out the NHS-Con12 info page (17)
for the latest info. There is more coming together daily so if
you plan to attend contact Hans Ploegmakers or myself to get
on the list to be better informed. When you receive this issue
we are only 7 months from the convention! Only six.

Others have also decided to do special issues to celebrate
the 'Fs' birthday. Rudi Hillebrand had some great coverage in
the September issue of his 'Photo Deal' with an article by, guess
who? Uli Koch of course! Finally the Italian magazine 'Clas-
sic Camera' devoted the entire March issue to the F! Nearly 50
pages of articles and photos. Many of the photos were by NHS
member Luigi Cane. Thanks to Jeff Felton I have a copy.

Don't forget that members Yuki Kawai & Bill Kraus will
be presenting a paper on the early Nikons at 'PhotoHistory
XIV' in Rochester on October 17th. They will do a great job for
sure!

Finally, I want to wish member Bill Jackson a speedy re-
covery from his illness. Our prayers go out to you, Bill.

1959~2009

THE NIKON F AT 50!

NEW PRODUCTS

80mm Automatic Focusing Lens Is Computerized

The new 80mm f/4.5 AF-Nikkor for the Nikon F and Nikkormat cameras is a completely auto-focusing lens guided by a built-in computer.

The focusing system works so fast—it makes adjustments several times a second—that a photographer can continue to shoot without interruption, even with a rapidly moving subject, and still be assured of sharp images on film. The lens focusing system adjusts automatically to the image in a 3mm diameter circle in the center of the 24 x 36mm picture frame.

Heart of the 80mm f/4.5 AF-Nikkor auto focusing system is a tiny computer built into the lens. After light enters the first group of elements of the taking lens, it is divided. One part of the light passes through the lens to the film plane through the opening in a ring mirror. The remainder of the light is reflected by

the ring mirror to the automatic focusing system, where a condenser focuses the light and forms an aerial image at a point relative to the actual subject distance.

A motor-driven photocell moves up and down constantly and, as light from the condenser strikes it, it generates a signal which is relayed to an amplifier equipped with a band pass filter. The amplifier and its circuits transform the signal into a pulse. This pulse is transmitted each time the photocell reaches a point where the subject is sharpest, that is, where the cell's electrical output is greatest.

At each up and down cycle of the photocell, a clock pulse is fed to a logic circuit. A third pulse, showing the current focus of the lens, is also transmitted to the logic circuit.

The circuit then takes the three signals—the pulse from the amplifier output circuits, the clock pulse and the pulse showing the current position of the photo-taking optics—and transforms them into a time signal. This time signal corresponds to the amount of

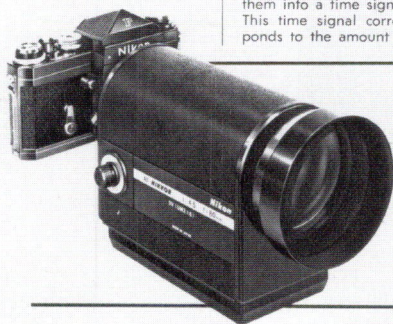
positional difference between the sharpest image position and the current setting of the taking optics, and its plus or minus direction.

Finally, an analog circuit and a power amplifier actuate a servo motor to bring the lens into focus. The entire cycle is repeated several times a second, making it possible to keep shooting, even in rapidly shifting camera-to-subject situations. The auto-focusing system is powered by six C-type batteries. In addition to auto focusing, the lens may also be focused manually.

The 80mm f/4.5 AF-Nikkor lens consists of 15 elements in nine groups and has a picture angle of 30° 12', with focusing from infinity to 3.3 ft. The entire lens and auto focusing system assembly measures 11 x 3-17/32 x 5-11/16 in. and weighs 6 lb., including batteries. Availability, early 1972.

Gelatin Filter Holders For Nikkor Lenses

Two new filter holders for 3-in. square Kodak gelatin filters are now available for Nikkor lenses. Filters are held flat by a pair of hinged frames. The frame can be rotated 360°. Model AF-1 threads into all Nikkor lenses with 52mm threads—from 24mm to 200mm. The front thread measures 60mm and accepts the Nikon polarizing filter lens hood. Model AF-1 measures 3-25/32 x 3-9/32 x 7/16 in. and weighs 1.6 oz.



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On this page are excerpts from the Spring 1971 issue of 'NIKON WORLD'. This is at the tail end of the Nikon F era just before the release of the new F2. Pictured are two of the rarest items for any Nikon F collection, and one mythical piece that was never produced. The 'original' 300mm/f2.8 Nikkor was a pre-set beauty that I have been fortunate to have once owned. It was actually Nikon's first lens with ED glass. We also have the announcement of the original 7FPS HIGH SPEED F, a legendary camera if there ever was one. Above is the very first "AF Nikkor". I saw this at Photo Expo 71 in Chicago under glass. Cutting edge for its day, but it was never released!

Throughout the F era and into the F2/F3 years. I was a subscriber to "NIKON WORLD", the 'official' publication of Nikon, Inc. when it was still part of EPOI. It was published 3 times a year and I have a stack of them. Always filled with great photography, there was space reserved in each issue for 'NEW PRODUCTS', a treasure trove of vintage information on the F system as it evolved. Here are some samples.



High Speed 300mm Nikkor Tele Lens

Nikon's advanced technology has produced a 300mm telephoto lens with the relative high speed of f/2.8. Newly developed optical glass and a unique construction have also provided increased correction for aberrations. Contrast and resolution are excellent over the entire picture area. Its f/2.8 aperture provides a bright viewfinder image and makes focusing easier for available light conditions. Although designed as a tele lens the new

300mm Nikkor-H performs well at close distances. Additional specifications: lens construction, 6 elements in 5 groups; picture angle, 8° 10'; distance scale, 12 ft. to infinity; aperture scale; f/2.8 to f/22; meter coupling prong attachment size, 122mm; dimensions; 2 29/32 in. diameter x 8 3/8 in.; weight 6.6 lb. Availability: Early, 1972

7 Frames Per Second Now Possible With New Motor Drives

The current F 36 and F 250 Motor Drives have a maximum shooting speed of 4 frames per second. Now, new additional models of the Motor Drives will be available which provide a top shooting speed of 7 fps, at shutter speeds from 1/250—1/1000 sec., in addition to single shots and speeds from 2 to 4 fps. At the 7 fps speed the camera mirror must be in the locked up

position (similar to the 4 fps speed with current models). Eye-Level Finder, accessory shoe, Battery Pack, and Power Cord will be available as separate accessories. A remote control is used only at the 7 fps speed. The power source is 16 type AA penlite batteries (24V). Availability: 60-90 days.



Winners Announced For International 1970 Nikon Contest

Americans captured second prize, third prize and Honorable-mention in Nikon Photo Contest International—1970.

Black and white prize winners are: 2nd prize Jules V. Sanson, Trenton, N.J.; 3rd prize J. Erik Blume, Portland, Ore., Jim Ball, San Francisco, Cal., Rochird Hough, Salem, Va. and Jim Koch, New Port Beach, Cal.; Honorable Mention Christian Delbert, Waban, Mass., Alan Hendricks, Parma, Ohio, Frank Salmoiraghi, Honolulu, Hawaii, Peter Silver, Millwood, N.Y., Robert Chinn, Honolulu, Hawaii, Charles D. Putnam, Blacksburg, Va., Bob Broder, Tucson, Ariz.

American winners in the color print and slide category are: 2nd prize Barry Kaplan, New York City, Norman Conn, Bozeman, Montana, Wesley B. McKeown, Montvale, N.J., 3rd prize George Belle-rose, Providence, R.I., Alan N. Campbell, Spokane, Wash., Jerry White, Hollywood, Cal., L.F. Grannis Hermosa Beach, Cal., Joseph E. Morek, Rochester, N.Y., James Caparelli, San Jose, Cal. Honorable Mention John Carlson, Los Angeles, Cal., Alfreda B. Dembsky, Lakewood, Ohio, Stephen J. Sable, Sheffield, Mass., Bela-Keresztes-Fischer, So. Pasadena, Cal., William A. Ludlow, Jr., Altadena, Cal., L. Jossel, New York City, Marvin L. Feinberg, Chicago, Ill., Trygve Steen, Portland, Ore., Gene Dekovic, Glenview, Ill., Phillip M. James, Minneapolis, Minn., Francoise Nicolas Fried, Chicago, Ill., Armen Khachadourian, Brooklyn, N.Y., Rocco Pucci, Hicksville, N.Y., and R. A. Zehring, San Francisco.

NEW PRODUCTS

Nikon Photomic FTN Meter/finder System Has Important New Features

The new Photomic FTN meter/finder system for the Nikon F camera retains the "center-weighted" light principle of the Photomic TN, and provides new conveniences for Nikon users.

The "center-weighted" system originated with the Photomic FT is retained in the new Photomic FTN. While it measures the entire scene, 60% of its response sensitivity is concentrated in the center of the viewing screen.

The FTN permits wide-open measurements with auto-diaphragm Nikkor lenses and stopped-down readings with non-automatic lenses or when extension tubes and bellows focusing attachments are used.

In evaluating the best system for a behind-the-lens

exposure meter Nikon designers have long been concerned with the tendency of "averaging" meters to give incorrect readings with backlit scenes and where dark subjects are against bright backgrounds. They also considered spot meters but determined that such meters only add operating complications. Unless the correct target area is selected, a spot reading can produce an incorrect exposure.

A meter that would offer both spot and averaging measurements was considered. But, this would also add complications without solving problems inherent in each method.

An important feature of the new FTN is the automatic ASA lens aperture indexing. This eliminates the need to

reset the film speed when interchanging lenses. On the front of the FTN is a scale which indicates the maximum opening of the lens being used. When interchanging lenses the diaphragm is closed to the smallest aperture. As a new lens is locked into position its diaphragm is opened to its maximum aperture, which sets the FTN scale.

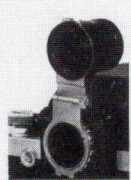
The film speed range has been extended to provide settings from ASA 6 to 6,400. Two and four second exposures are possible. For the 2-second exposure, the shutter speed dial is set to 8 and the diaphragm adjusted until the meter needle in the viewfinder, or on top of the FTN, is centered. A 4-second exposure reading can be made when the shutter is set to T.

The meter switch of the FTN also serves as a battery test button. The needle on top of the FTN swings to the center circle when the button is pressed down, and the battery is in good condition. The FTN also has preset compensation for transmission differences of certain special viewfinder screens. A new pincer-type clamp positions and secures the FTN snugly on the camera body. The shutter speed being used is seen in the viewfinder.

The Photomic FTN can be used with any Nikon F Camera bodies with serial numbers below 6,900,001 require some adaptation. Initially, the Photomic FTN will be supplied with cameras only. Availability as an interchangeable accessory is expected early in 1969. No. 1550 Nikon F, Photomic FTN body, chrome. Suggested Retail Price: \$295. No. 51 Photomic FTN finder only. Suggested Retail Price: \$119.50.

2X Eyepiece Magnifier For Pinpoint Focusing

Very critical focusing for macrophotography, copying and general lens focusing is possible through the new Nikon Eyepiece Magnifier which screws into the eyepiece of the Nikon F, Photomic T TN and FTN and the Nikkormat FTN cameras. A central portion of the viewfinder image area, slightly over 12mm, is magnified two times greater



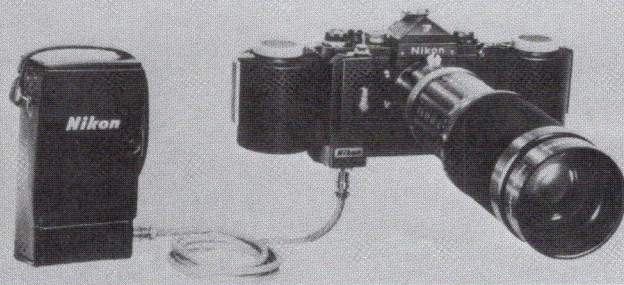
than the image seen in the normal prism viewfinder. The Magnifier is hinged so it can be swung out of the way, after focusing, and the entire viewfinder image seen for composing. Built-in diaphragm correction from -4 to +2 is provided so the Magnifier can be adjusted to individual eyesight.

Since the Magnifier's baseplate is rotatable through 360°, it can be used with the Nikkormat FTN with a mounted BC-7 flashgun. When using the regular Nikon F prism finder and the original Photomic finder-meter combination the Eyepiece Adapter No. 3214 is needed. This new magnifier is expected to be available in the near future. (No. 2315 Eyepiece Magnifier. Suggested Retail Price: \$16.50.)

5. A New Motor Drive for Nikon F-Series Cameras. This permits shooting up to seven frames per second. It is a modified version of the F36 motor drive, which, with its maximum rate of four fps, will remain in production.

The seven fps rate is controlled by a button on the front of the switch unit; the reflex viewing mirror must be in the lock-up position; and only shutter speeds 1/250 to 1/1000 sec. can be used.

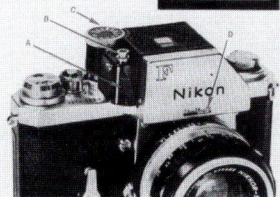
Shooting rates of two to four fps and single frame are governed by a second button at the rear of the unit. At two fps, permissible shutter speeds are 1/8 to 1/1000 sec. At three and four fps, speeds are 1/125 to 1/1000 sec. A remote control socket is incorporated. Accessories include a battery pack, power cord, and eye-level finder with accessory shoe. Limited deliveries are expected in late 1971.



Nikon F250 Motor Drive adapted for up to seven frames per second

6

Above left...The fall 1968 issue announces the upcoming Photomic FTN meter to be available in early 1969. Note that 'cameras below 6900001 will require adaptation'. Above...Those who purchased the Nikon/Nikkormat Handbook could subscribe to updates. In one of the 1971 updates was this little piece. It's the 7FPS HIGH SPEED again but wait...this is an F250 version! Did they ever make it? Well, we know of at least one example. See NHS-34! Below...From a dealer booklet we have the only complete system of zoom lenses available anywhere in the world. Circa 1962.



New features of the Photomic FTN meter/finder system. Top, right: Shutter speed used is seen in viewfinder. Below: (A) Pincer type clamp secures FTN snugly. (B) Meter switch also serves as battery tester. (C) ASA speed dial 6 to 6,400. No need to reset when interchanging lenses. (D) Scale showing maximum openings of lens used.

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NIKON**AUTO-NIKKOR ZOOM LENSES**
for Nikon F, Nikkorex F

Nikkor Zoom lenses represent another distinguished contribution to 35mm photography by Nikon — another unique advantage of the Nikon system.

Zoom lenses provide lens interchangeability without the need to interchange lenses. A single lens does the work of many lenses.

The change is simple, fast and smooth. Shift the selector ring and observe the effect on image size through the finder. When you have the desired magnification, you shoot; and the picture quality is typically Nikon — clean, sharp definition to the extreme corners — and superb color rendition. Once focused, the lens remains in focus at all apertures.

The Nikkor Zooms have automatic diaphragms. The lens is always wide open except at the moment of exposure, providing the brightest possible image for focusing and viewing. The camera's preview button permits viewing depth of field at "taking" aperture.

Used in combination with the electric motor drive on the Nikon F, the Nikkor Zoom becomes an even more versatile tool, opening techniques in photography not possible before.

A line of Nikkor Zoom lenses are available. With just three lenses, 43-86mm, 85-250mm, 200-600mm, a photographer can cover every focal length from 43mm to 600mm.

Two of the Nikkor Zooms — 43-86mm and 85-250mm — couple to the exposure meter.

43-86mm f3.5 AUTO-NIKKOR ZOOM
LN275

Automatic diaphragm. Angle of view 54° to 28.5°. Couples to exposure meter. Focuses to 4'. 9-elements. Click-stops to f22. Accepts 52mm screw-in filters.

85-250mm f4 AUTO-NIKKOR ZOOM
LN272

Supplied with lenshood and cap, filter adapter and close up lens. Automatic diaphragm. Angle of view 28°30' to 10°. Focuses to 13' (7½' with the close-up lens). 15-elements. Click-stops to f16. Maximum aperture is f4.5 at 250' focal length. Couples to exposure meter. Accepts Series 9 filters.

200-600mm f9.5 AUTO-NIKKOR ZOOM
LN277

Supplied with lenshood and cap, filter adapter and close up lens. Automatic diaphragm. Angle of view 12°20' to 4°. Focuses to 13' (7½' with close-up lens). 13-elements. Click-stops to f16. Maximum aperture is f10.5 at 600' focal length. Accepts Series 9 filters.

NEW PRODUCTS

Exciting New Lenses Added To Nikon Lens Line

Eight new Nikkor lenses were shown at the recent giant Photokina show in Germany (Oct. 3, 1970) which make available to Nikon and Nikkormat users some unique objectives for SLR camera users and the most extensive lens line made by a quality SLR camera maker. The lenses range from the widest angle (15mm) interchangeable 35mm SLR lens to a 2,000mm mirror reflex lens. One of the new lenses—the Auto-Nikkor 35mm f/1.4—was described in the last issue of NIKON WORLD. (Volume 4, No. 2). The other new lenses are:

15MM f/5.6 AUTO-NIKKOR. Despite its extremely short focal length this is not a fisheye but a regular, super wide-angle lens producing distortion-free images over the entire negative area. The lens has an entirely new optical construction composed of 15 elements in 12 groups with a back focus 2.45x longer than the focal length. This permits normal viewing with the camera mirror in the down position and its maximum f/5.6 aperture provides a brilliant, easily focused, image, over the entire screen. It has 4 built in filters which are interchanged by turning a ring—L1A (skylite), Y48 (medium yellow), O56 (orange) and R60 (red). A modified Model A screen for Nikon cameras with a split-image prism, having an angle of 7° is supplied with the lens to aid focusing. Additional specifications: Graduated in meters and



From the Fall 1970 issue of 'NIKON WORLD' we have a virtual gold mine of new products on a single page! The widest Fisheye-Nikkor ever made; the longest Nikkor ever made; the fastest 28mm of its day; the widest Nikkor at 15mm; the first 180/2.8; a redesigned 200~600 zoom and the first 400/5.6 tele. Nikon was very busy during the F era! New lenses came out constantly, many groundbreaking designs. It seemed the system would never stop growing. What a time it was.

4 **THE F--SPOT!**

50th ANNIVERSARY OF THE NIKON 'F' SYSTEM...BY ULI KOCH THE JACOBSON 'F' MOTOR POWER PACKS

In this article you'll find some information about the battery packs designed by Irving Jacobson. It's a little confusing because three companies produced these packs (under four different labels), two owned by Jacobson. Additional information can be found in my book "Nikon F – The Accessories".

In the early 1960s' Irving Jacobson manufactured accessories for scientific applications as well as for the daily work of photojournalists. Jacobson, located in Hollywood, began creating a battery pack for the Nikon F36 motor drive, which was linked to the motor directly. At that time Nippon Kogaku only manufactured separate leather battery packs that were connected to the motor via a cable. This was certainly inconvenient for many photographers, particularly for those using several motorized Nikons at a time. If only one battery pack was used the cable had to be constantly switched between cameras. Or if a pack was used for each camera one had a confusing array of battery packs and cables to keep straight, making life difficult. Also, the eight Type C batteries are not the lightest made and their weight would slow down the photojournalist, who often must respond quickly to fast breaking events. This created the demand for a battery pack that could meet their needs and correct some of these shortcomings. That is – compact, light weight and no cables!

The Jacobson battery packs met all the criteria and the needs of the professional, but were not sold via Nippon Kogaku or any Nikon distributor network. These patent protected packs do have two different sizes and, as mentioned above, were produced by three different companies under four different labels.

TECHNICAL PHOTOGRAPHIC PRODUCTS (TPP)

This company was located at (engraved on the pack) '862 N. Vine, Hollywood 38, Calif.' and was owned by Irving Jacobson. It produced the larger housing style with two additional engravings; 'NPS-B PAT. PEND.' or 'NPS-C PAT. PEND.' & 'M F G BY IRVING JACOBSON'. I haven't a clue what 'NPS-B' & 'NPS-C' stand for. The 'B' & the 'C' could be a model designation.

Years ago I was told by Mark Jacobson, Irving's son, that the serial numbers start with #101 for the first production battery pack and ended up somewhere in the 1500's (for all TPP/JPI/jpi types). The earliest numbered TPP version I have recorded is #134, while the highest I have seen is #284.

JACOBSON PHOTOGRAPHIC INSTRUMENTS (JPI)

Has the same engraved address as the TPP battery pack. This company was also owned by Irving Jacobson and could be the same company as TPP, but with a name change. This company also produced the first type of housing, but with an additional engraving; 'P-RC for Nikon PAT. PEND.' (no NPS or MFG engravings anymore). The 'P' stands for 'Professional' and 'RC' for 'Remote Control'.

Here I have recorded only one example with the serial #320 (and have a huge gap in my records between #320 and the next reported #551 for a jpi type).

jpi JACOBSON PHOTOGRAPHIC INSTRUMENTS (JPI)

Has the same engraved address as TPP and JPI packs. It is also the same company as JPI but with different labeling. The battery pack is now changed to the smaller housing style. In addition to that, the pack now has its own brand name: "POWERCON". Jacobson now used a designation for the various types made such as 'MODEL 36x' or 'MODEL 250' (see chart at article end). The earliest serial number for a 'jpi' battery pack that I have recorded is #551 while the highest seen is #1121. Estimated production for all variations of TPP/JPI/jpi battery packs is less than 1,500.

TECHNICAL PHOTOMATION INSTRUMENTS (TPI)

Sometime in the mid 1960s' Irving Jacobson sold a license for producing this housing to two professional photographers, Jay Eyerman and Lawrence Schiller. They owned the company TPI (Technical Photomation Instruments, Los Angeles and Sun Valley), which also produced other accessories for motor drives. It seems that Jacobson sold the license for the older (larger) hous-

ing style as the TPI is nearly identical, but with some modifications. The reason could be that Jacobson had developed the smaller housing and protected this by a new or enlarged patent. At the time Jacobson changed the housing, he created the designation 'POWERCON' because TPI offered the older sized housing with the brand name 'REMOPAK'.

It is unusual that TPI appears to have started their Remopak with the serial #2001. Why did they not start at #1 or #101 or #1001? Was it Irving Jacobson who forbade the use of serial numbers below #2000? We will never know. The earliest TPI pack I have recorded is #2082 while the highest is #3207. Estimated production for the TPI battery packs is less than 1,500.

HOUSINGS

Both types of battery packs utilize the smaller and lighter 8-AA batteries with a thin metal sheet as a cover and attachment to either the F36 or F250 motor was through a screw that mated to the tripod socket of the motor. Both types have a release trigger knob and several additional functions, based on the model. The release knob is on the top of the housing for all models for the F36 and on the front for the F250 models, with the exception of the TPI housings. Here the release knob for the F250 is also on the top. It is not possible to connect an F36 model to an F250 motor drive as the F250 is seated in a metal frame surrounding the motor and the bottom is approximately 7mm lower as a result. Therefore, the tripod socket is located in a different place. The solution for the access hole to the O/C knob of the motor drive differs in some variations as well as the placement of the strap eyelets, the color of the release knob and its direction. Also the plug for remote control differs in location dependent on the model type.

Larger Housing Style

The overall length is 16.2cm with the base plate 12cm wide and 1.6cm high. The battery housing itself is 15.5cm wide by 3.6cm high and 3.4cm deep. This is the case for TPP and JPI housings

for F36 motors. Housings for the F250 motors differ a little. The TPI housings show practically no difference in size with the exception of the base plate, which is 1.3cm high.

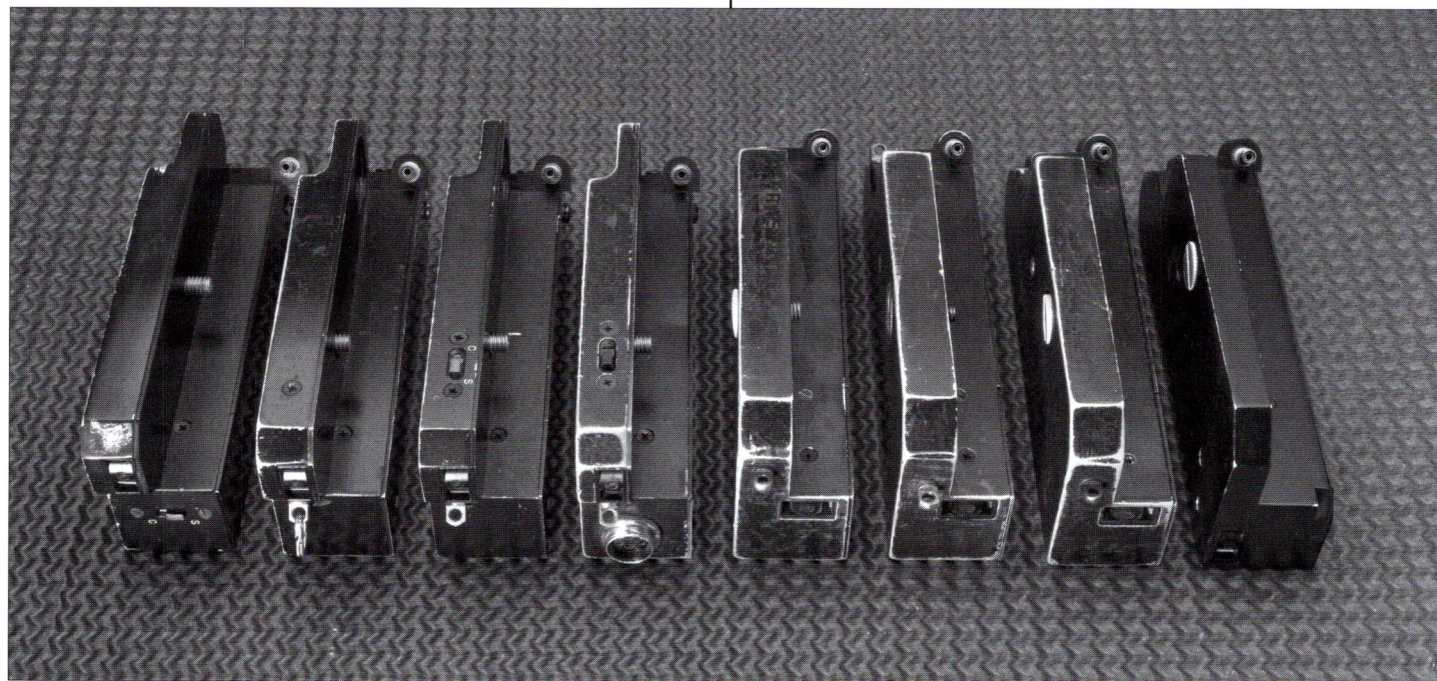
Smaller Housing Style

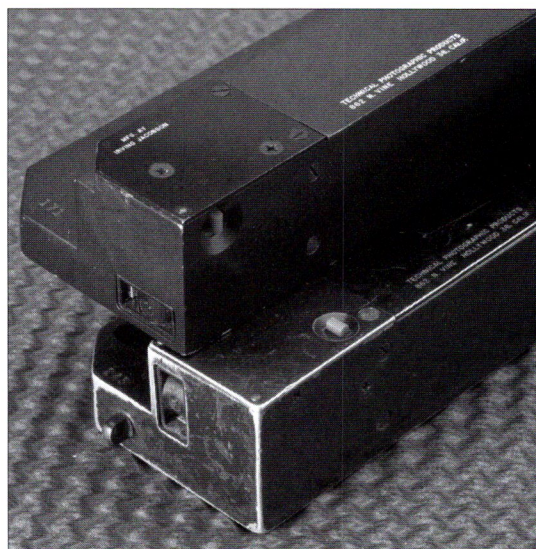
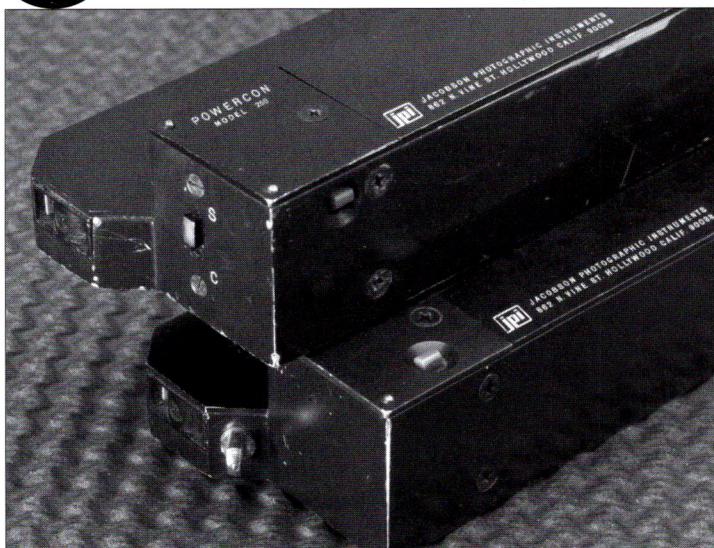
Overall length is 15.7cm with the base plate 14.7cm wide and 1.6cm high. The battery housing itself is 14cm wide by 3.5cm high and 3.4cm deep. This is the case for 'jpi' housings for F36 motor drives. Housing for the F250 drives differ a little.

In one of the pictures you will see eight TPP/JPI/jpi battery packs – but each is different for some reason! The variations for the TPI battery packs are not as broad, but one is a rare gray version for the F250 used by Time Life.

Interesting is TPP pack #171. This was created for use with an F250 motor, but without any such designation. The only difference in labeling is: NPS-C instead of NPS-B as found on all other TPP packs. I am not sure if this is a prototype as other F250 packs were only found in the #1xxx batch and with jpi labeling. This battery pack is unusual for two other features: 1) it looks nearly brand new with the exception of the bottom (most packs are in worse condition due to daily professional use) 2) Jacobson made a manufacturing error as the hole for fixing the pack to the F250 is not drilled exactly in line with the socket of the motor. If mounted on the drive, the left part (seen from the front) of the pack sticks out about 5mm (the right part is fixed to the drive by the power plug).

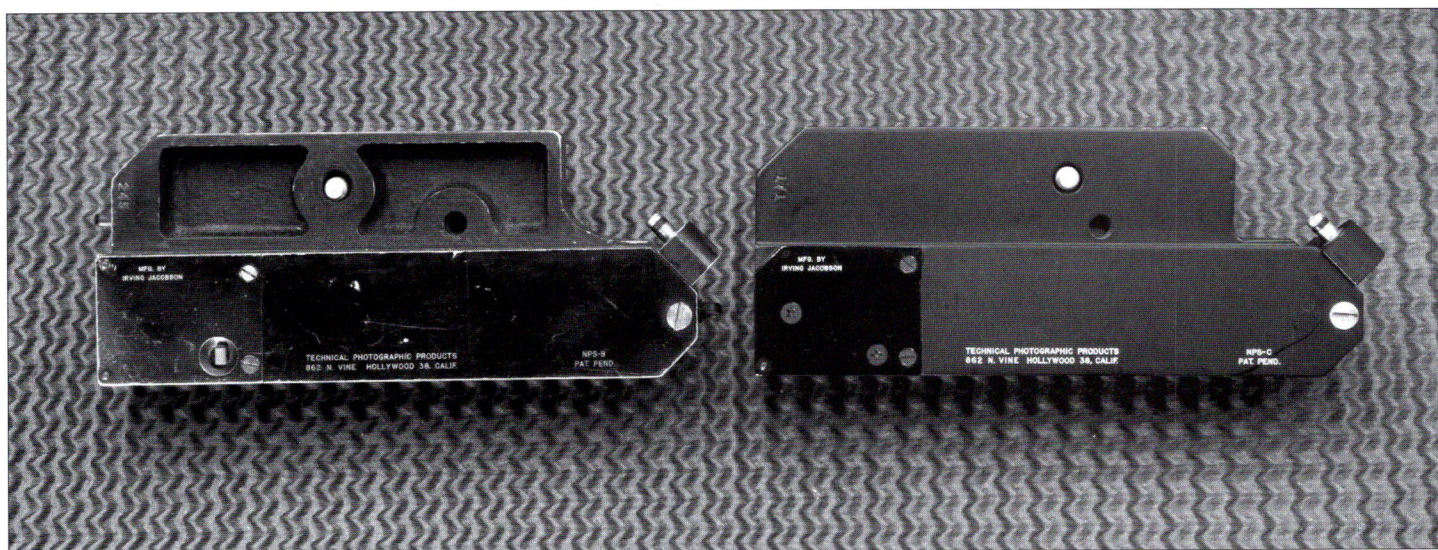
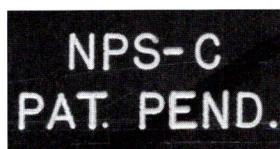
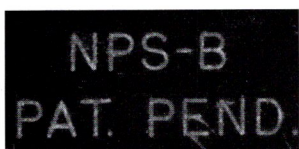
These battery packs designed by Irving Jacobson are an interesting addition to your collection. I would appreciate it if any NHS members who own one or more of these packs would send me the serial number and the type as an addition to my database (email: Nikon_uli@web.de) - Thank you!

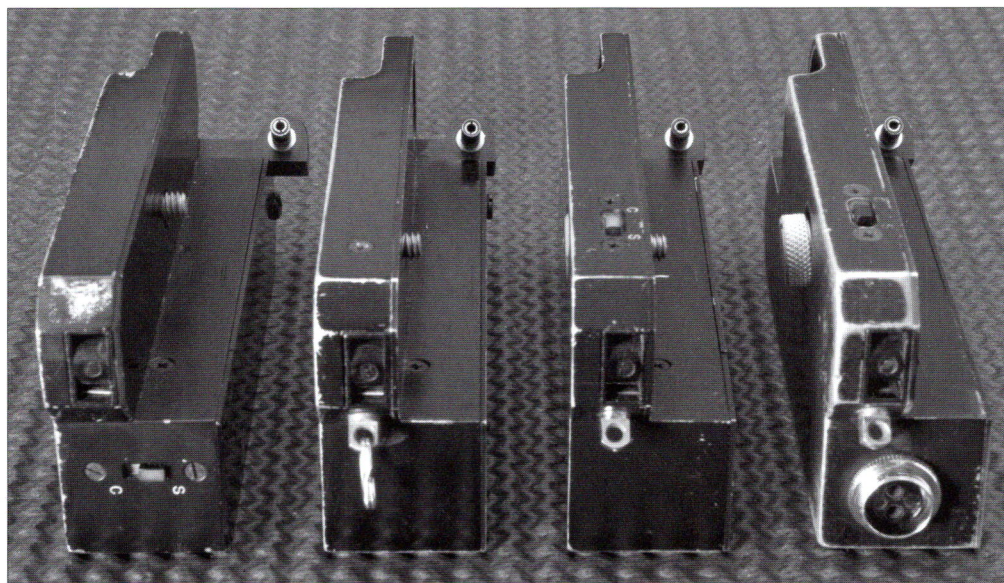




With so many variations to sort through, it can get a little confusing. But we will try.

Clockwise from above...A series of photos of the TPP pack #171 mentioned in the text. Though designed for the F250 motor, it is not so identified and it is the unit that is marked with the 'NPS-C' engraving instead of the 'NPS-B' found on all other TPP packs! Pack #171 is the upper unit in the 2 top photos and is shown with #245, which is an F36 type for comparison. At right #171 has a solid camera base while #245 is partially hollowed out. In the bottom photo #171 is on the right. It is the only pack that Uli has recorded with the 'NPS-C' marking and may be a possible prototype unit. Note how the tripod socket is located differently in both units. As mentioned in the text, packs made for the F250 will not fit the F36 because of a variation in the location of the socket on the motors. Also, from the text, #171 has a slight manufacturing 'error' as the tripod hole is not positioned perfectly.

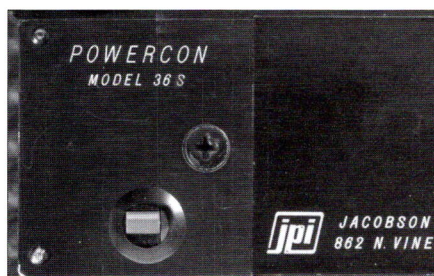
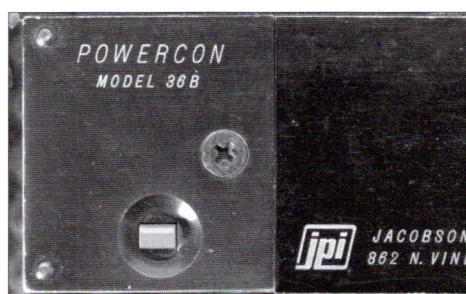
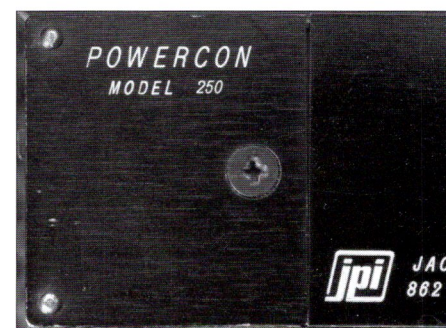




VARIATIONS....

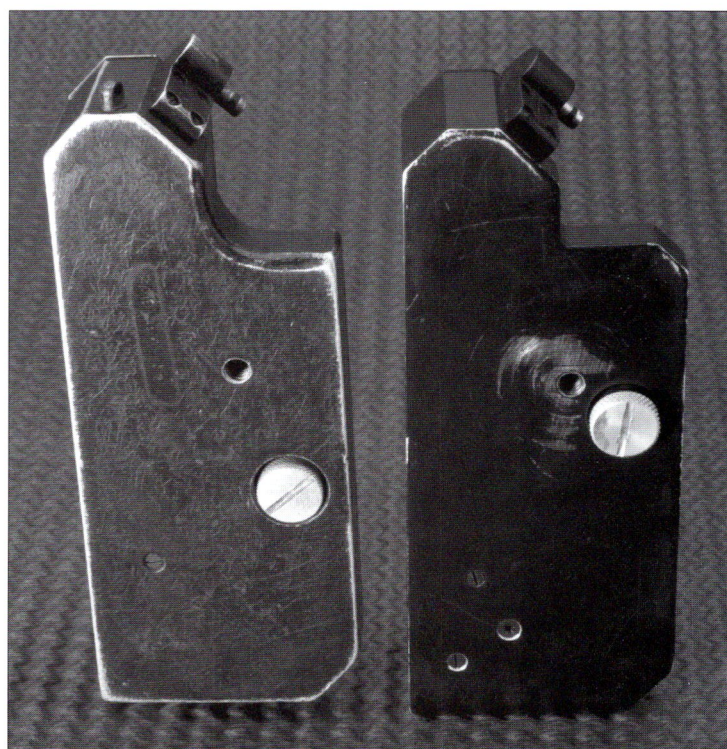
VARIATIONS....

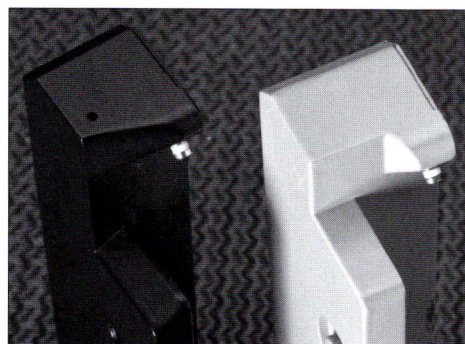
VARIATIONS....



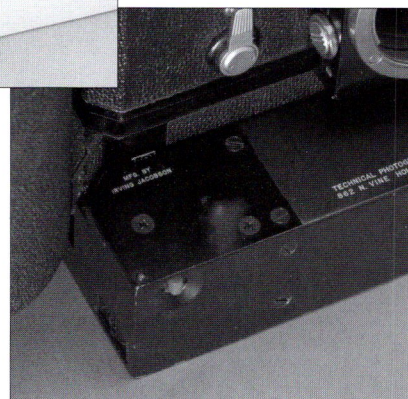
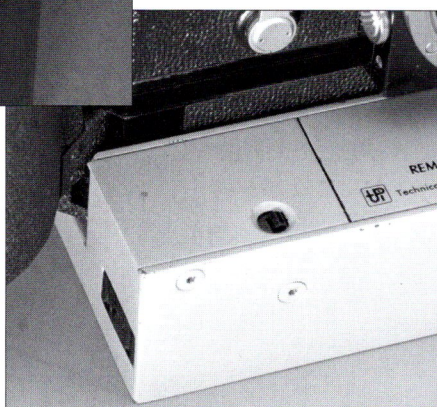
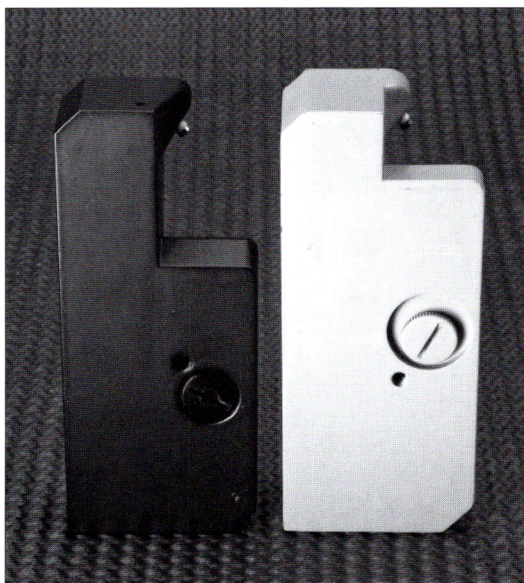
**MFG. BY
IRVING JACOBSON**

**POWERCON
MODEL 36G**



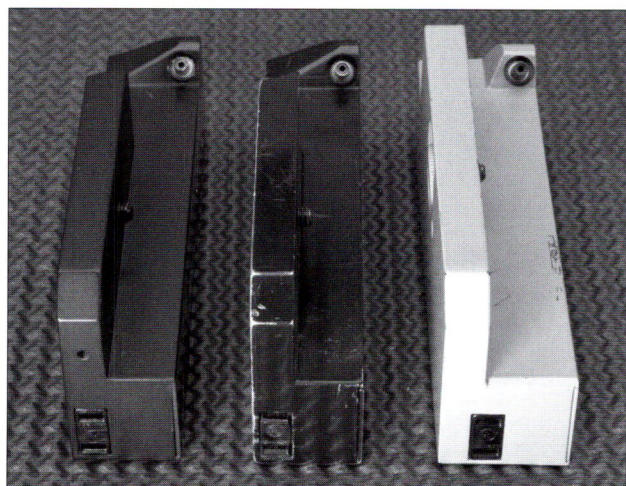


Packs made for the F250 motors were made in much smaller numbers and harder to find. But the neatest variation of all the types for me is the quite uncommon gray TPI pack said to have been made for Time-Life. I have seen only one of these at a show over the years but was not able to acquire it. Someone beat me to it! I don't remember it being as clean as this example. Note again how it varies from the black TPP housing on this page.



TECHNICAL PHOTOGRAPHIC PRODUCTS
862 N. VINE HOLLYWOOD 38, CALIF.

JACOBSON PHOTOGRAPHIC INSTRUMENTS
862 N. VINE ST. HOLLYWOOD 38, CALIF.



Some of the many type of engravings found on the various models. It appears that all of these packs were made in relatively small numbers and at a slow pace. This may account for the myriad manufacturing variations encountered. Have we found them all? Maybe not so keep on looking.

**ALL PHOTOS BY
ULI KOCH**

REMOPAK



Technical Photomation Instruments

REMOPAK



Technical Photomation Instruments

THE jpi POWERCON MODELS

- Model -without model designation with Nikon reference (see table)
- Model 36 A-without connection for remote control (US standard power plug)
- Model 36 B-with connection for remote control
- Model 36 C-as 36 B, but with control of multiple F36s with Powercons
- Model 36 D-as 36 B, but with additional connector for a charger for rechargeable batteries
- Model 36 S-as 36 B, but with a selection switch for single frame or continuous exposures
- Model 250 B-as 36 B but for F250 motor drive (only engraved 'Model 250')
- Model 250 C-as 36 C, ditto
- Model 250 D-as 36 D, ditto
- Model 250 S-as 36 S, ditto
- Model 36 SP-as 36 S, but for use with the Nikon S36 RF motor drive

N-36

P-RC for NIKON
PAT. PEND.

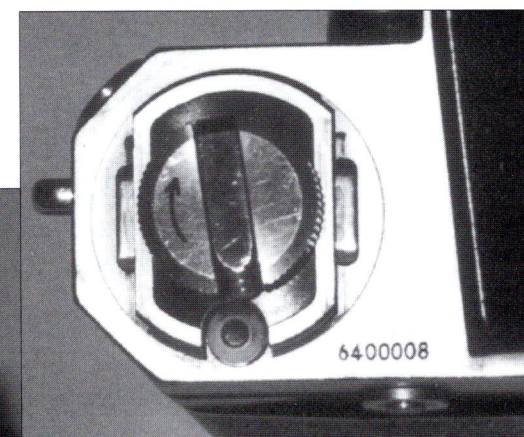
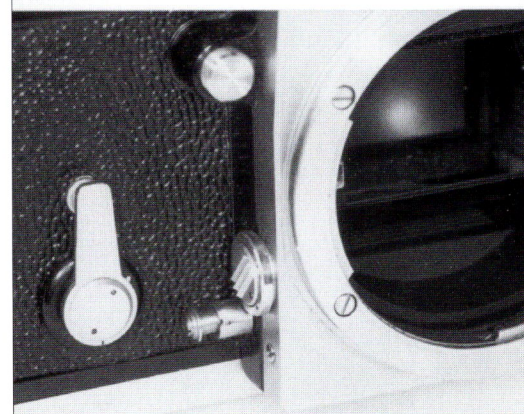
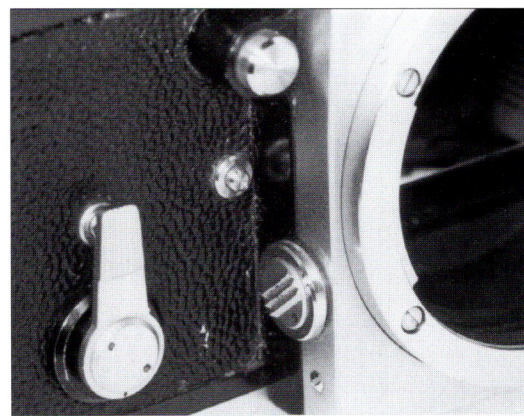
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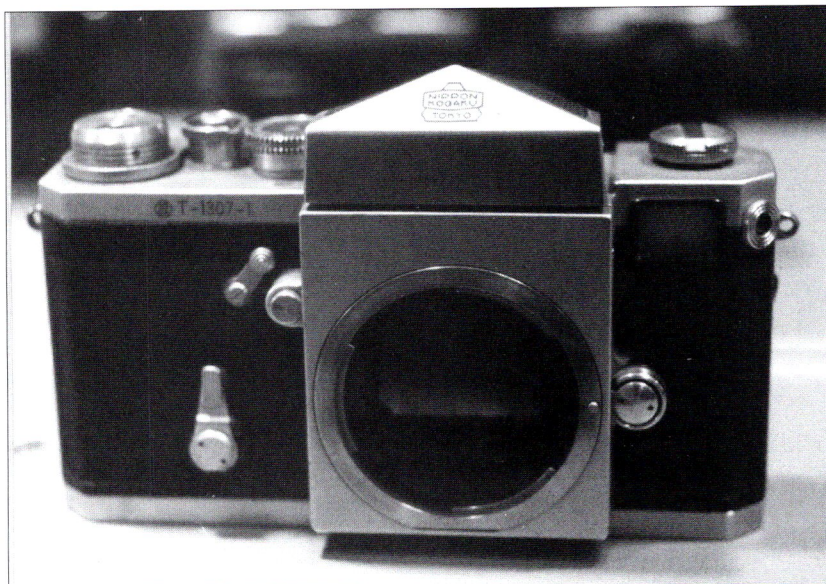
SOME 'UNUSUAL', INTERESTING AND DOWNRIGHT RARE NIKON F CAMERAS

Going through my photo files that go back over 30 years and looking for shots of unusual Nikon F cameras yielded what you see on these 2 pages. (There are many more but only so much space, so I must be very selective.) The bodies pictured here are the type of items you do not see every day. Actually, save for the photo to the right, the odds are you will never see them in person. But you can at least view them here in the pages of your Journal.

Many of you are familiar with the special 'mirror lock-up' bodies made by Nippon Kogaku in the late sixties or early seventies. In the right hand photo it is the upper camera. Note the tiny silver button between the standard mirror control knob and the preview button. This is 'factory' done. Most were shipped with waist level finders and an insert for the manual directing how to use the added button. I once had a few new in the box that I wish I still had. But NK's version was not the first! The lower camera is the work of the famous Marty Forscher. Forscher was doing this in the early sixties! I guess NK knew a good idea when they saw one.

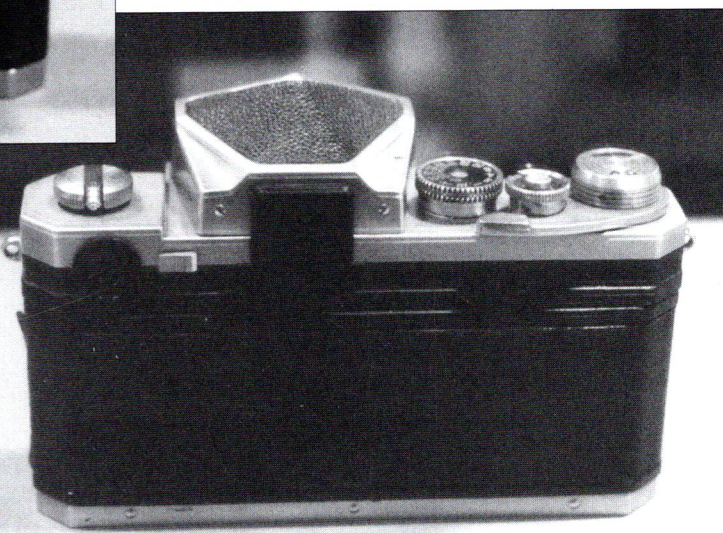
Below we have Nikon F #6400008....that's right.....body #8!!!! This is the earliest camera that I know of for which an actual photo exists. We have all seen photos of #6400001 in the literature but to my knowledge no one knows where it is today. But we have #8 to look at and that's OK with me. How about you?





These two Nikon F prototypes first surfaced at a camera show in Tokyo back in the eighties. NHS member Tsuyoshi Konno took them but had to shoot through glass. There are two different prototypes on this page. At left and below is an interesting camera. Note that most of the top controls are very SP/F and the front ones very F like save for that little lever near the pre-view button (could it be the mirror lockup?). But look at that second eyepiece near the rewind! The finder is removeable but lacks the Nikon name. On the back note the finder release slide between the two eyepieces. Better than the eventual button design. But what is that second eyepiece for? Is this an Alfa influence?

Above...The bayonet mount appears identical to the soon to be famous 'F' mount but is a bit more recessed than it would finally be. The prism reminds me of those seen on the German 'Edixa' cameras. But overall it does resemble the Nikon F as we know it. They were getting close.



Below is a better view of the 'naked' prism on this camera. The final design would have a slight depression for the leatherette covering. What else is missing? Why that final touch of course. That world famous gothic letter 'F', for Fuketa? Or Flex?

Above..This prototype is even closer and may be a fully working model just at the point that the final configuration was completed. From looking at it the only thing missing is the PC socket, the flash synch window, and the leather wrapped prism. (Its surface is smooth with no detent for the leather. Was it a last minute decision?)



At right is a very rare Nikon F. Besides this photo I have only seen one other over the years. This model was made for use by the Japanese Navy during the sixties. I have no idea how many were made but it is very interesting. I do know at least one Canon RF model was so marked. Photo by Katsuharu Takashima.

THE FIRST NIKON F MICROFLEX OUTFIT

by ULI KOCH

When the Nikon F came on the market in the USA on July 1, 1959, NK did not offer a lot of accessories. One that they did offer, which is not shown in the original Nikon F price list dated July 1st, was the Microflex PFM outfit. It is not known if this was offered in the industrial division of NK products as the Microflex was available for the rangefinder system since 1955. The only change needed to the existing RF series was to produce an adapter for the Nikon F bayonet mount – a bagatelle to develop and produce.

In the photo is the first version of the Microflex PFM outfit. You will find there:

In the background is the hard to find first type of the cone with a Polaroid back. In the middle, left to right are; Nikon F adapter, Nikon RF adapter, M39 screw mount adapter (all

usable with the Microflex camera), front cover, SM adapter for Stereo microscopes, D 32.5 adapter, screen, eyepiece, loupe, Microflex PFM with D 25 adapter, picture of which items are in which place in the wooden carry box.

Over the years I have seen a lot of Microflex PFM items for sale. Most are for the second type, which is not shown in the photo. The first type is found either in the box (more or less complete) or only the body itself. More than 15 years ago I found my first Microflex PFM outfit with the No. 63031. More than a year ago I bought another Microflex unit with the cone and the Pola-Adapter. When I compared the two PFM bodies I was very surprised! What an accident..the new acquisition had No. 63032! Both not high value items, but nice to have acquired consecutive serial numbers over so many years and not being aware when buying it.



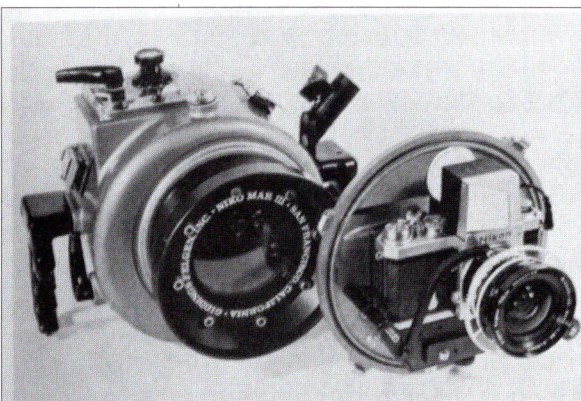


FROM THE LITERATURE.....

MORE 'UW' HOUSINGS FOR THE NIKON F

by IAN DC SHEPHARD

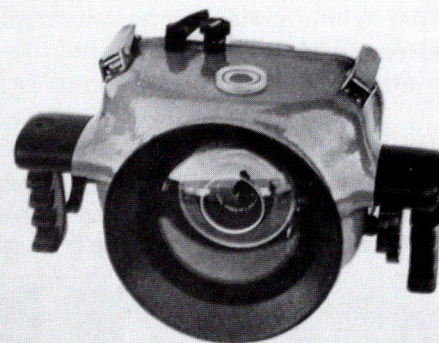
I really enjoyed Uli's article on the 'Sea Glove' since UW housings interest me. And I am sure you know that many other companies made housings for Nikons. Apart from the 'Glove' Ikelite also made plastic housings for the F, F2, and the Nikkormat FTs and ELs plus one for the F/F2 with the 250 shot motors! The only downside to the plastic cases is that they are fine on land but too buoyant in the water and not as strong as the alloy types. But they are ideal for places where there will be sand or 'rainforest' weather. In alloy housings Giddings-Felgen made a 'Niko-mar 2' & the French Underwater Industries the 'Sub-35' in the early 70's (the best of the lot). The 'Ocean Eye 100' was used by National Geographic. For the F & F2 it has a giant front dome so you can use fisheye to 135mm lenses without changing the dome.



Niko-Mar III. This housing is no longer made, but it is available on the used-equipment market and it is still popular.

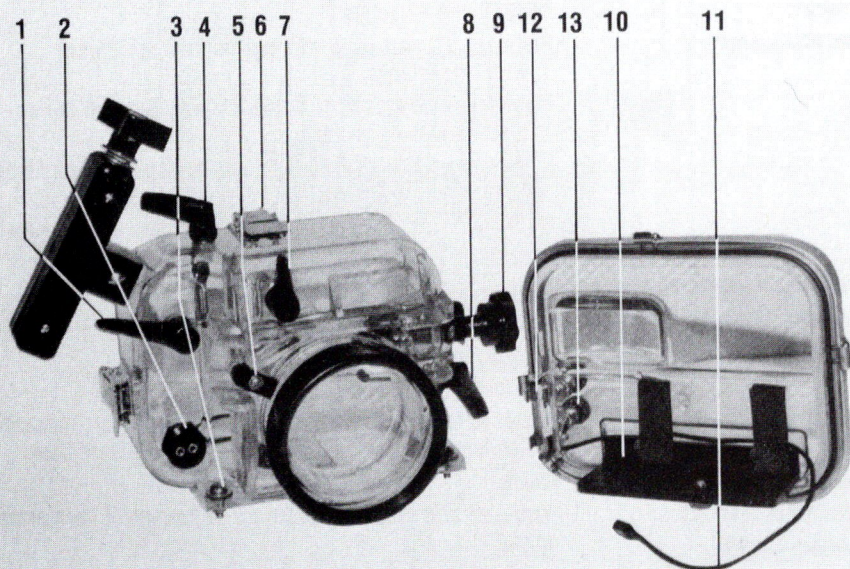
Originally made by Giddings-Felgen, Inc. (no longer in business), the housing and other products made by the company are being serviced and repaired by G/F Industries, Inc.

Sub 35. French Underwater Industries produced this housing for a short time during the early 1970's, but it is no longer available.



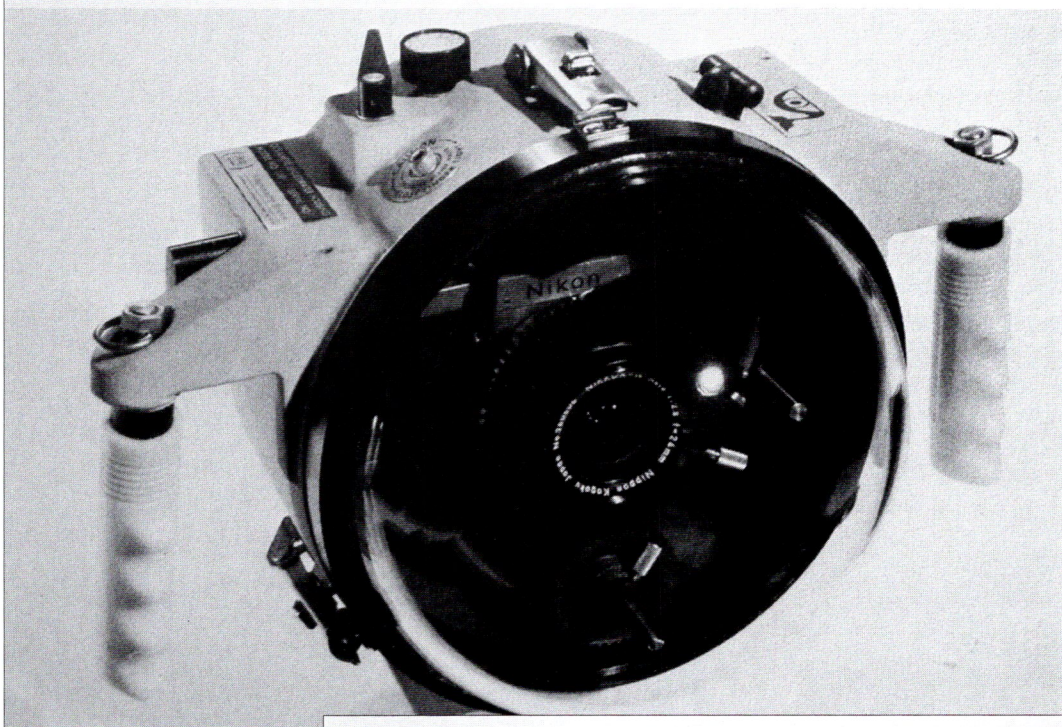
Ikelite housing wired for use with flashbulbs.

- | | |
|--------------------------|---------------------------|
| 1. Shutter release. | 7. Shutter-speed control. |
| 2. Connector. | 8. Aperture control. |
| 3. Accessory hardware. | 9. Focus control. |
| 4. Film-advance control. | 10. Camera tray. |
| 5. Port latch. | 11. Synch cord. |
| 6. Latch (4). | 12. Battery. |
| | 13. Flash terminals. |

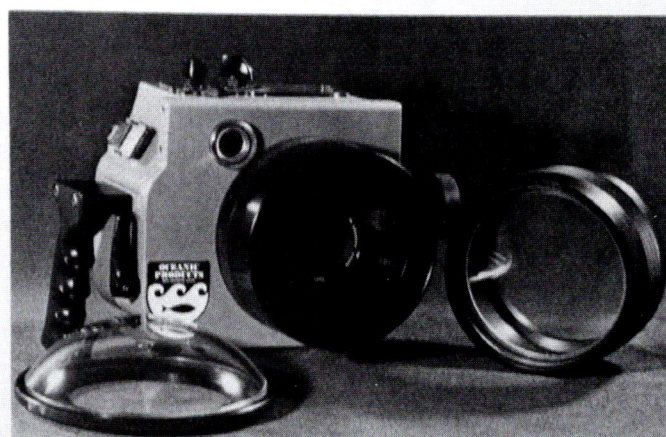


Top photo..the upper housing is the 'Niko-Mar' made by Giddings-Felgen. Note that the Nikon F is fitted with the Action Finder. More than one company designed their units to accommodate the much more useful Action Finder, which really worked well in this application. The lower unit is the French made 'Sub-35' from the early 1970's. At left is an Ikelite model that allowed for the use of a flash gun attachment. It says 'flashbulbs' but I would imagine it was for electronic

Ocean Eye 100. Though this housing has not been made for a number of years, it continues to be sought after. The principal housing used by National Geographic photographers, it accepts almost all the Nikkor lenses up to 135mm without changing domes. A new housing similar to the Ocean Eye 100 may soon be on the market.

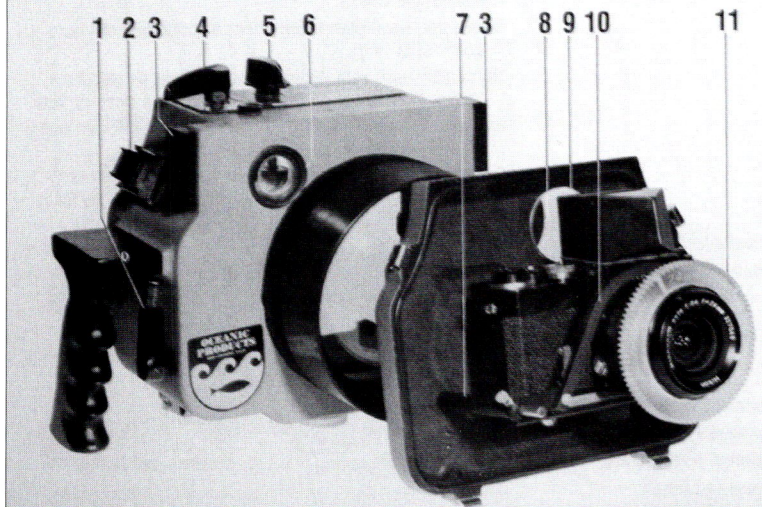


Hydro 35 ports: Fisheye (left), Standard dome (on housing), and Flat (right).



Hydro 35 with Nikon F, 24mm lens and AD-1 finder.

- | | |
|-----------------------------|---|
| 1. Shutter-release control. | 7. Aperture-control shaft (knob on back). |
| 2. Latch (4). | 8. Focus control. |
| 3. Accessory shoe. | 9. Viewing port. |
| 4. Film-advance control. | 10. Aperture-control linkage. |
| 5. Shutter-speed control. | 11. Focus-control gear. |
| 6. Auto-strobe-sensor port. | |

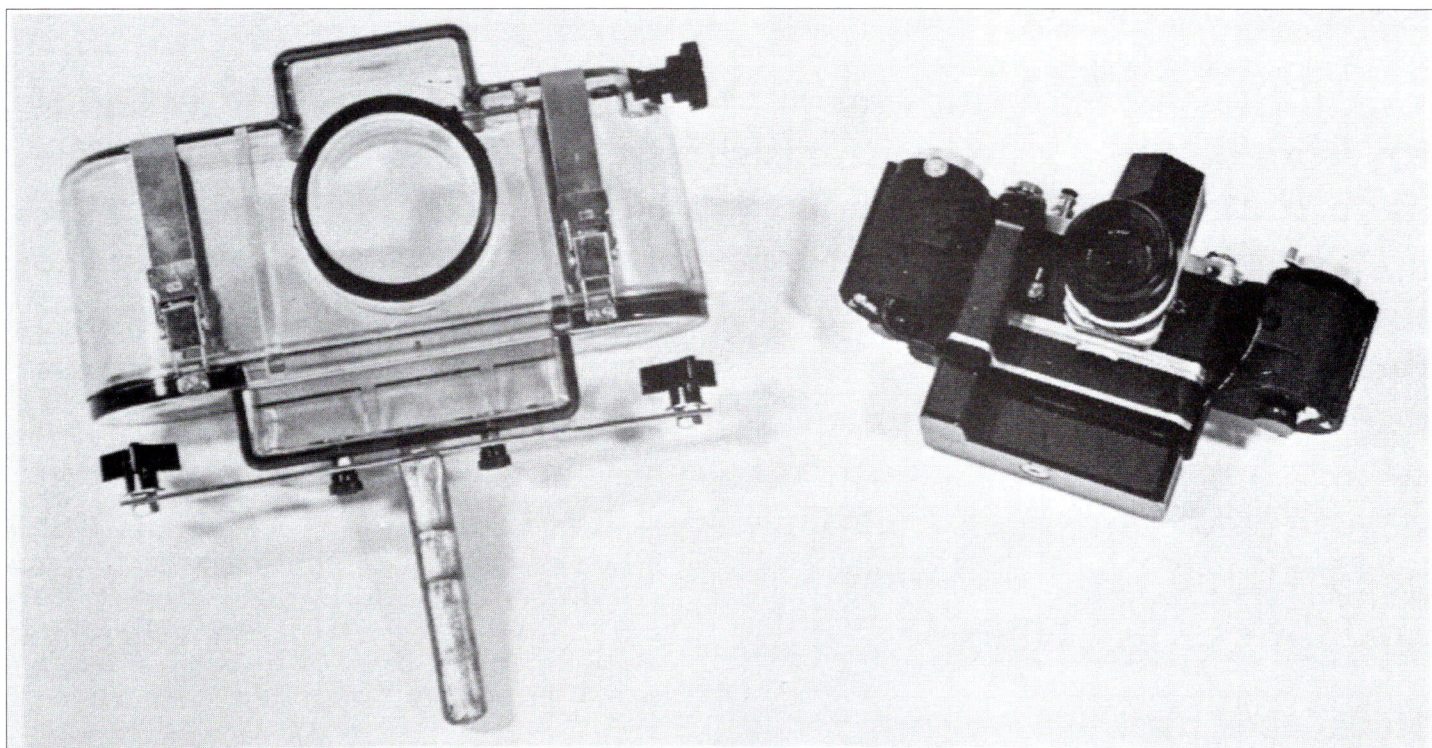
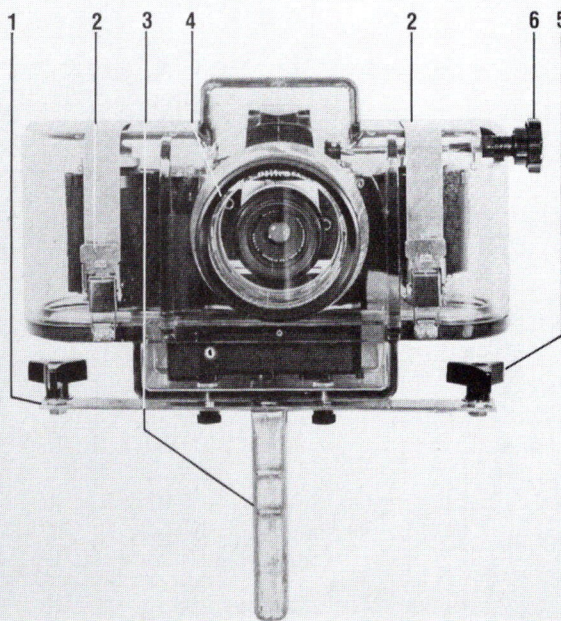


Top photo...The 'Ocean Eye 100' was the favored unit for National Geographic Magazine. Its very large dome allowed for Nikkors from the Fisheyes up through the 135mm teles to be used without having to change domes. Lower two photos illustrate the 'Hydro-35' which also allowed room for the Action Finder on your Nikon F. Three interchangeable domes were available: standard, flat and fisheye. The newly released Fisheye-Nikkor was very popular with UW photographers for obvious reasons. At this point in time it would probably have been the original 8mm/f8 or the newer 7.5mm version.

This must be the rarest type of underwater housing ever made available for the Nikon reflex system. This is the model 'SLR-MD-250' specially designed to fit either the Nikon F or F2 with the Action Finder and the 250 exposure Nikon motor drive! I am sure not too many were ever sold but if you think of it, this design makes the most sense of all the housings. Once you shot those 36 frames you had to resurface and disassemble the entire rig to reload the camera. With 250 shots you could stay down as long as you wanted (or until your air ran out!).

The housings on this page are early models of the SLR-MD-250. Exact control locations differ on models now in production.

- | | |
|---------------------|------------------------|
| 1. Accessory tray. | 4. Port. |
| 2. Latch and strap. | 5. Accessory hardware. |
| 3. Handle. | 6. Focus control. |



Ikelite SLR-MD-250 housing (left) and Nikon F with motor drive, 250-exposure magazine and AD-1 finder (right).

NHS-CON12--WILL BE IN BRUGES, BELGIUM MAY 10~16, 2010

By the time you receive this issue of the Journal we will be only 7 months from NHS-Con12. It is coming quickly. A great deal has been done but a few things still need to be determined and Hans is working on those right now.

I have already published the details about the two hotels that we are using, namely the Novotel (where the actual meeting will take place) and the Ibis. The costs previously quoted are correct and some of you have already made your reservations. Do not hesitate too long to do this. The 'Blood Festival' on Thursday draws huge crowds and Bruges is not a large city, so hotel rooms are at a premium that week, which is why we are encouraging you to act as soon as possible.

Here is the current schedule of events (which can change but we feel they are pretty much settled at this time).

Monday May 10th...Welcome/registration 6~8pm in the Novotel lobby

Tuesday May 11th...AM & lunch at leisure. 1:30pm our bus leaves for Ghent for a visit to the historic city. 6PM the bus leaves for Bruges.

Wednesday May 12th...Bus leaves for Brussels at 9AM. Visit to the historic city with different walking tours. 6PM the bus leaves for Bruges. On the way back we can stop for dinner...this is an option.

Thursday May 13th...Am & lunch at leisure. The Holy Blood Procession begins at 3PM so the town will be full that day. Estimated end of the procession is 4:30PM. Dinner time at our leisure. Eat & drink!!

Friday May 14th...Bus leaves for Ypers at 10AM where we will visit the 'The Flanders Fields Museum' & battlefields of the Great War. 8PM is the 'Last Post Ceremony' to commemorate victims of WWI. (As you can see Wednesday & Friday are long days but there will be time for lunch & dinner as long as we are ready in time for the bus)

Saturday May 15th...Convention begins in Novotel at 9AM....SHARP!! The program is in progress but some info follows. We will have a closing dinner Saturday evening but a place has yet to be determined (Hans has some ideas already)

For Saturday we already have some speakers lined up including..

Uli Koch....On the Nikon F at 50!

Bill Kraus & Yuki Kawai...Subject to be announced.

Mike Symons...The Nikkorex

Tony Hurst....Another Tony awesome slide show!

Hans Ploegmakers...Subject to be announced.

Wes Loder...Subject to be announced.

Hans Braakhuis...Subject to be announced.

We should know all the actual presentation titles by the next issue.

At this time I would like to encourage anyone who wishes to present something to please contact Hans or myself ASAP.

Hans and I had to come up with a fee that would cover as much as possible yet not be too high. We have come to a figure, which is based on the following costs: the meeting room, audio, projector & screen, coffee breaks (2) and lunch Saturday. Also the gifts for the speakers as well as the gift for each attendee. Besides these costs we have to cover the registration on Monday. We still need to determine the costs of the various buses we have to use as well as the closing dinner to see what

will be needed above the convention fee. Hans will determine all these other items and each member who signs up will receive this info from Hans as they did for previous meetings. At this time we have decided on the convention fee as follows. This fee will cover all activities on Saturday save the dinner plus any excess will be used to offset some travel costs if possible.

Single person attending Saturday meeting.....\$150 (110 Euro)

Spouse/friend attending with you...\$200 (140 Euro)...for both!

Fee payment can be made to either Hans or myself. We assume those of you in N. America will pay me while members in Europe will pay Hans. Those paying me can use Paypal (rotoloni@msn.com) or send me a check or money order.

If you have any questions or concerns at all, **PLEASE** do not hesitate to contact Hans or myself with your concerns!!

Hans Ploegmakers

ploegmakers@talensfoto.nl

Bob Rotoloni rotoloni@msn.com r.rotoloni@sbcglobal.net

Hans has sent me an 'open letter' to the membership giving you some facts and information about lovely Belgium.

"Why should you come to Belgium? Because it is the best kept secret in Europe. Visiting medieval cities, quaint towns, gothic cathedrals & town halls, castles & carillons will keep you busy during the day. At night go to a pub, as there are more than 350 delicious Belgian beers to choose from. The reputation for gourmet food makes the French jealous & it is impossible to find chocolate as good as that in Belgium!

Belgium is Europe in a nutshell, multicultural & multilingual. Flanders in the north, a flat land crossed by canals, is proud of its great art & cities, such as Antwerp, Ghent & Bruges. To the south in Wallonia, you will find the rolling hills of the Ardennes, numerous castles, & the cities of Liege, Namur & Tournai.

The Flemish speak Dutch & the Walloons speak French. In the capital, Brussels, both languages are spoken. But to make it easy, everybody speaks English, albeit with an accent.

Belgium's history has always been linked to both commercial & cultural exchange. Much of its character is due to its role as the great meeting place of Western Europe. Traces of the Austrians, Spanish, French & Dutch can still be seen in its architecture & in the lifestyle of its people. Today, its capital Brussels is one of the world's great cosmopolitan cities, home to both the European Union & NATO.

Somehow, Belgium has maintained a low-key approach to all of this international sophistication. It is a country for connoisseurs who do not take themselves too seriously. Because the Belgians certainly do not."

Why not join us in one of the most pleasant cities in Europe for a week of sightseeing, enjoying the city, and spending time with people with the same interest as you. We can eat, drink, have some chocolate (!) and get to know each other. This is a chance for many of us to renew our friendships and, as always, to finally meet some 'new blood' for the first time.

LETTERS..FEEDBACK AND BOOK UPDATES.

From Bob Milloy...

I received your book yesterday – really an outstanding job! I have to thank you for recognizing that beautiful lens by putting it on the cover – the black 3.5cm/f2.5. I have a mint one as well as an earlier chrome version & a Leica SM as well. I use them all, as they are very sharp and deliver beautiful color with a different look than modern lenses (which I find most welcome). This lens doesn't get enough press or credit for the outstanding pics it is capable of. I've done some absolutely gorgeous B/W with it. And I even have the original one on my Nikonos.

Your book is full of fascinating background on all the products and details, something we really were looking for.

.....
From Robert Rayzak...

On page 5 of NHS-23 is shown a larger take up spool mount and says, "...the right type is a permanent part of the shutter crate assembly! The type on the right has been seen on bodies such as **6097087, 6098594, 6098809, 6099662, 60910112 & 6106592.**"

I report that I have **6098027** and it, too, is fitted with the larger take up spool mount per that right hand picture (and fits right into that above list of serial numbers). I can also say that the large mount is as easily removable as is the small mount. It is not a permanent fixture of the camera body. It serves to be a better mount to resist film tension on the take up spool when winding, I suppose. But, a bit of over-engineering, I think.

.....
From David Jumper...

I received your signed book. WOW! I have to tell you how impressed I am with your work. I was up very late reading it. I found answers to questions I did not know I had. Having pub-

lished a Masters Thesis in Environmental Science I have an appreciation, if only a small one, for the level of detail and the thoroughness. There were obviously thousands of untold hours spent in research, communication, meetings, photographing...the list goes on. I for one appreciate all your efforts to document so much important historical information (especially the work to document facts/dates/seemingly arcane points of interest from dwindling human resources in Japan) that may have been lost to the collecting world if not for your efforts. Now it becomes clear why so many sellers, collectors and historians refer to your work. Besides all that, it is simply a beautiful book.

.....
Peter Kitchingman reports a new high number for the 2.5cm/f4 Nikkor. We now know of lens #404769!

I have leaned of a Microflex that sets a new high for the Type II at #30522. However, it has the knob control of the late Type III yet is only speeded to 1/200 sec. So we have a Type IIB??!

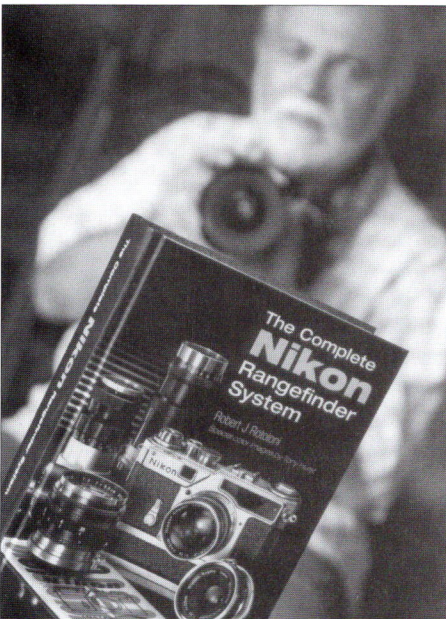
Some additional Exacta mount 135 Nikkors have been reported. All are chrome w/clickstops: 258886, 263153, 263296 & 263611.

The 135/f4 Bellows-Nikkor shown in the book as an 'F' style box. I have had 4 of these & have seen others. However, lens #578147 just sold on eBay & it is in a plain grey box!

Chris Sap reports a new high number for the Type Six Variframe finder. The old high was #364812. Chris has 364832. He also supplied the following updates:

S3 #6300021 replaces #6300027 as the earliest seen.
Exacta 135 #264866 is now the highest such lens recorded.
Another rimless black 50/f2 has been seen. It is #747097.
A 3rd type of shade for the 105/2.5 is reported as a 'screw-in'.
Also he reminds me that the chrome finders 85, 105 & 135 come with a smooth front ring as well as the ribbed type.

NOW AVAILABLE FOR IMMEDIATE SHIPMENT



I am pleased to announce that the US inventory of my book is in place and all orders can be processed for immediate shipment. Since it became available the beginning of March 2008, I have been shipping within 48 hours of receiving payment.

I am happy to announce that I have sold over 240 copies myself with at least 125 of those going to NHS members. That still leaves quite a few members who have not ordered as yet (although many overseas are buying locally), and remember that I do sign and label those copies ordered through me.

Those of you who wish to obtain a signed copy from me need only to contact me and it will be done. I did not mention previously that, besides signing the book, I have also had made up labels stating to the fact that 'this copy has been purchased directly from the author'. Prices are as follow and include postage:

United States	\$100 including Priority shipping.
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I can accept checks (US/Canada only), money orders, bank wires, cash or PAYPAL. My email addresses (rotoloni@msn.com & r.rotoloni@sbcglobal.net) are my Paypal account numbers. Please make all checks/money orders payable to RJR PUBLISHING or myself (NOT THE SOCIETY!)

NIKONS IN THE HANDS OF THE RICH AND FAMOUS...

I asked for your help in putting together this little section showing famous people using Nikons! My searching continues as I remember photos from 20 & 30 years ago but just can't put my hands on them. I'll keep looking. For this issue I have 2 shots from my archives, one of which is an original 8x10 I acquired from master Nikon rep Al Levin. We see former president Richard Nixon using a Nikon F with Action Finder. It wasn't his but one of the press photographers. Frank Sinatra was an avid amateur and used Nikons as well as other brands. Here he is ringside at the famous Clay-Liston fight (original 8x10) shooting with an F & a 24mm Nikkor. Some of his photos ran in Life magazine. Dutch member Robert Bakker came to my rescue. I knew the Beatles had used Nikons and, of course, Gina Lollobrigida, but I can't find mine. Robert sent me one of George Harrison on a visit to Amsterdam in June 1964 and also that great shot of Gina I know I have somewhere. Look at her! Three Nikons around her neck and that's the 180/2.5 & NF tube she is holding! (I used the same setup to shoot night football years ago.) What a shot!!

Ex-Beatle Harrison op 58-jarige leeftijd over



CLASSIFIED ADS

FOR SALE... The following Nikon RF cameras & accessories are priced according to recent eBay & other auction actual sales. All very, very nice! 1)Nikon S2 CD #6137729, 5cm/f1.4 ch. Nikkor #351118, snap-on NKT logo cap, original correct 'bubbles' manual showing those body & lens numbers written in by original owner, a superb early matching number back, dull 'leather' version. M-, **USD850.00.** 2)Nikon S3 #6310769, 5cm/f1.4 bl. Nikkor #406150, snap-on NKT logo cap, virtually flawless except lens has 0.5mm x 2mm scratch in middle of front element, M--, **USD1,150.00** 3)Nikkor 3.5cm/f2.5 ch W-Nikkor #248119, correct front & rear caps, leather case, M- **USD225.00** 4)Nikon Varifocal fdr. #351355, leather case, last version, M-, **USD150.00** 5)Zeiss Opton Sonnar, 50mm/f1.5, no caps, almost imperceptible mark on outside of filter ring, M- **USD225.00.....**
Robert at 416-960-5700 or email bobr.skunklabs@sympatico.ca

WANTED... Nikon RF Nikkors: 21/f4.0 w/fdr, 50/f2 collapsible #609xx, 50/f3.5 collapsible in Nikon BM, 35/f1.8 with Black Front Rim!, 50/f1.5 #907xx & #905xx, 50/f1.4 #316xxx & #33128x, 85/f2 #903xx, Variframe fdr #705xx or #712xx, Nikon I 5 digit serial #, Nikon M 6 digit serial #, 'Sardine' type battery pack for S36, Varifocal 'Zoom' finder 'MIOJ', Nikon Periscope Attachment. **Biagio Guerra Fax.....702-492-6269 or email guerrabn@aol.com**

WANTED: Nikon F, F3, Nikonos spares. **FOR SALE/TRADE ITEMS...** Nikon literature, books, adverts, brochures, manuals, promo/dealer items, Gray's of Westminster magazines & ads, etc. Also Canon, Olympus, Pentax items & literature. **Ian DC Shephard at this email address dcian@fastemail.us. Thanks**

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NONE TO REPORT THIS ISSUE

(Please see the website of NHS member Matthew Lin. He keeps a running list of Red Dot Fs on his site and updates it regularly. Look to his site for the most complete and accurate Red Dot List. www.matthewlin.com)

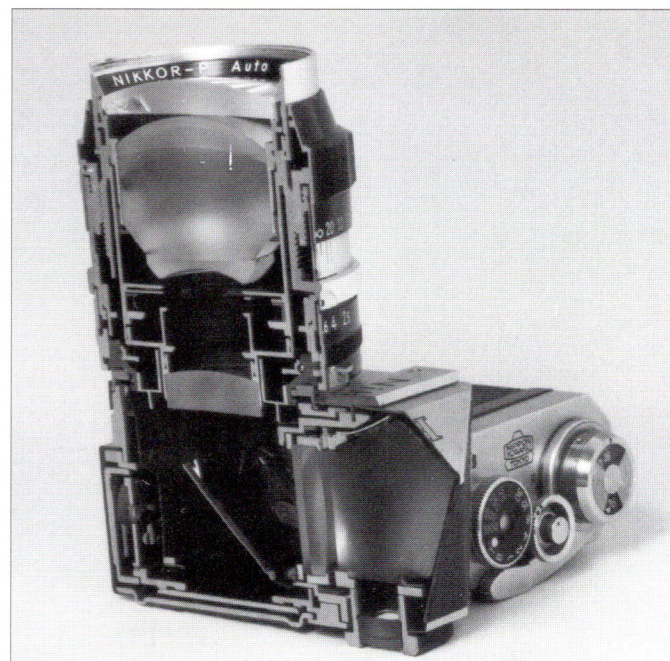
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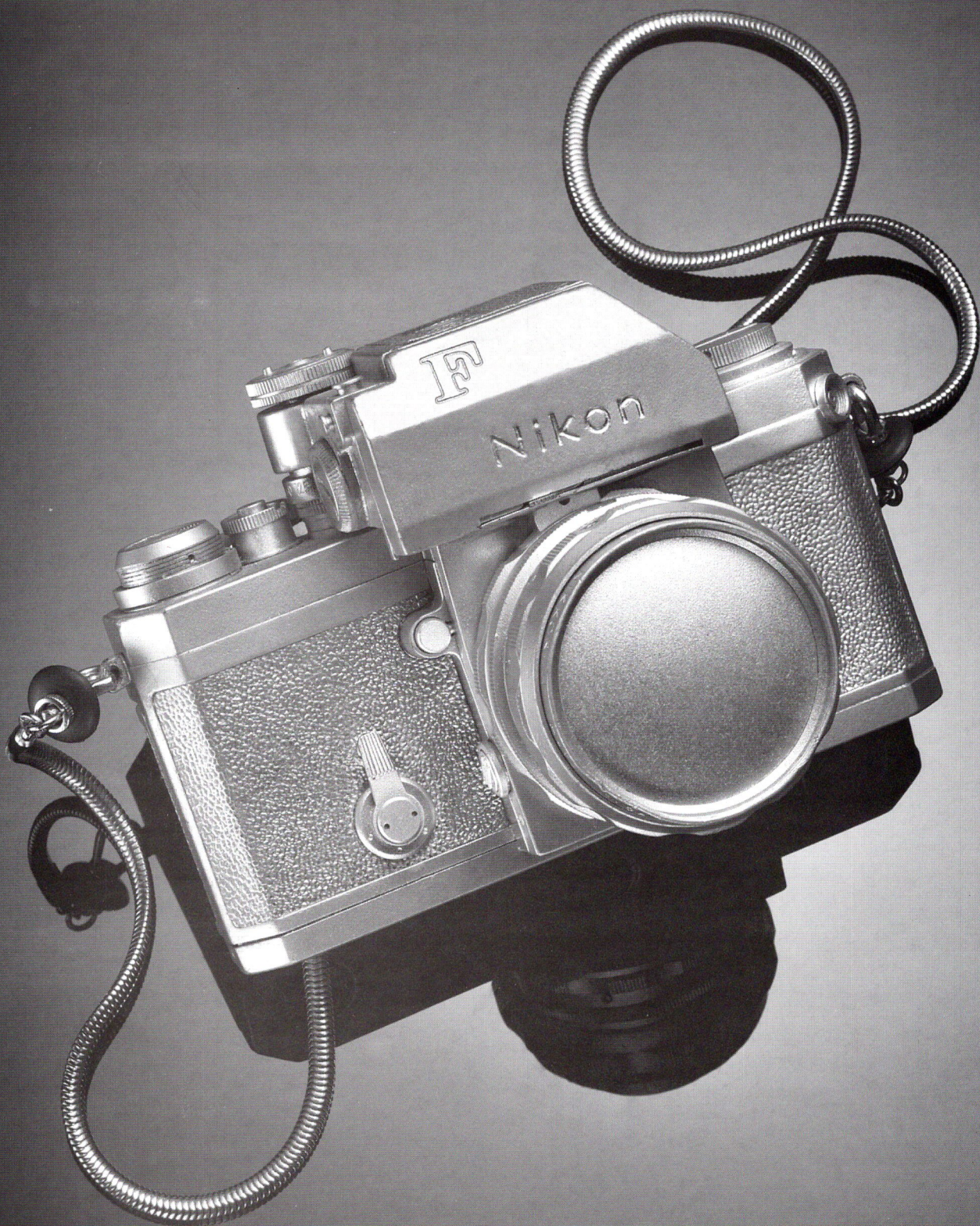
A CUT-AWAY BODY..... A LOOK INSIDE YOUR NIKON F



Did you ever wonder what the inside of your Nikon F might look like. You know instinctively that there must be hundreds of parts that are working together to make this marvelous machine function properly (almost 1,000 in actuality, and thats just the body!).

Yes it is a complicated machine but also a well engineered one that follows a very straight forward and logical path. It is a beauty to behold as anyone who has ever opened one up can attest to. This cut-away Nikon F, which is a very uncommon item and most often seen only in the literature, was once the property of the late John Angle, who allowed me to photograph it many years ago. I do not know its current location but we have the photos.





F

Created For The "NHS" By Tony Hunt