NIVFO

NORSK INSTITUTT
FOR VITENSKAPELIG
FORSKNING OG OPPLYSNING

NORWEGIAN INSTITUTE FOR
SCIENTIFIC RESEARCH AND
INFORMATION

NORWEGIAN

VIET

NEWS LETTER

★★★★★★★★★★★★★★★★★★★★★★★★★★★★

No. 5 - 1982.

P.O. Box 2119,
N-7001 Trondheim
N O R W A Y

NORSK INSTITUTT FOR VIETNSKAPELIG FORSKNING OG OPPLYSNING

HESSDALEN - THE RECURRING PHENOMENON.

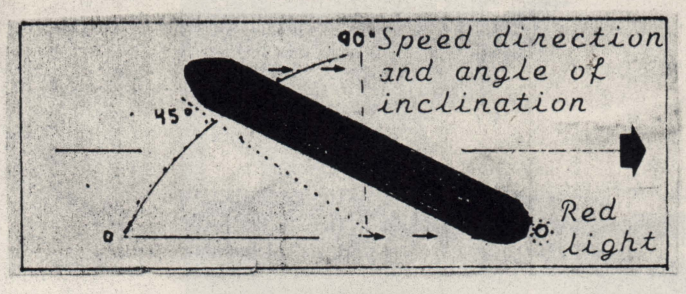
PLACE ..... Vangslia, Hessdalen.
DATE ..... 13. and 14.08.1982.
TIME ..... 13.8.: after midnight.
14.8.: 03.57 o`clock.
WITNESS ... A lady, 83 years old.

OBJECT .... An approximately round, shining "object" with indistinct "shaggy" outlines. It came, with the sky as a background, in an even speed from the north to the south. The angle size was some smaller than the moon.

* * *

PLACE ..... Over Finnsåhøgda.
DATE ..... 16.08.82.
TIME ..... 22.47 pm.
WITNESS ... Lars Lillevold.

OBJECT .... A shining object, *cigar-formed*, moved in northerly direction.



(Sketch). More"light spots" were seen on the object.

The day afterwards, at 20.40, the same person reports having seen a dark, rather black object passing under the top of Finnsåhøgda. No lights were observed. The object came gliding in a kind of wave motion immediately after an airplane had passed high up.

* * *

PLACE ..... Holden, the upper part of Ålen.
DATE ..... 13.08.82.
TIME ..... 01.12 pm.
WITNESS .. Ole Lillevold (pensioned)

OBJECT ... A shining object moved on the sky in the direction of Hessdalen. He first believes it to be a star, but soon he finds out that the object moves, first up and down, and then also sideways. The observation lasted about 15 minutes. (See the report above, from Vangslia.).

* * *

PLACE .... Kløftvolden, Hessdalen.
DATE ..... 30.07.82.
TIME ..... 01.50 - 03.00 pm.

OBJECT ... A shining object moved in east-westerly direction. The witness, his wife and two other persons from Hessdalen, cought sight of the object through the sitting-room-window. At first the object stood still for quite a long time. After about one hour it shot right up into the air and disappeared in a few seconds. The object also was looked at through a *binoculars, but because* of the long distance, possible details could not be distinguished.

More details about the observation might indicate a planet or a star. But the fact that the object at last mounted very rapidly, is, of course, difficult to explain.

* * *

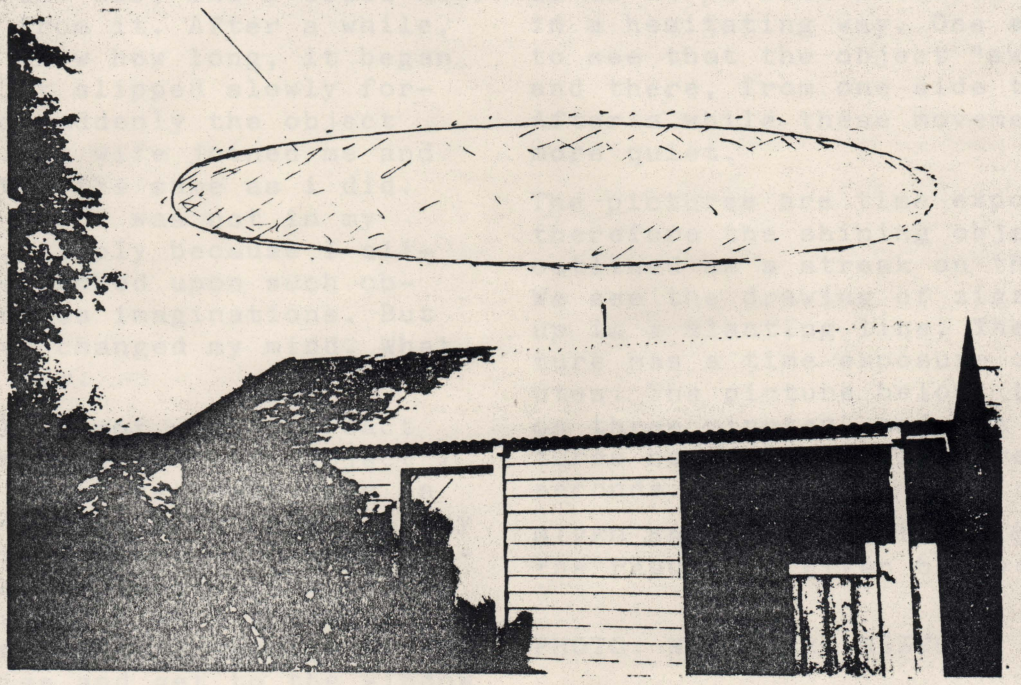
COMMENTS ON LARS LILLEVOLD`s OBSERVATION IN AUGUST 16. 1982.

As seen from the sketch to the left, the cigar-formed object moved about horizontal, but with an incline on the horizontal plane, estimated to about 35-45 degrees. This is a recurring detail in a long series of reports from many countries, concerning cigar-formed UFOs.

* * *

About the observation, described in NIVFO Bulletin no. 2/82, Lars Lillevold says: (Page 4)

LARS LILLEVOLD´S OBSERVATION, 18.01. 1982.
(Se News Letter, no. 4/82, page 1.



We see the outhouse and the top of the post over which the unidentified object hovered - according to the witnesses. The UFO is traced to show approximately its extension, such as apprehended by Mr. Lillevold.



Lars Lillevold (to the left) shows here from another angle where he thinks the object was. Also from here we can see the post. The outhouse is to be found behind the bushes to the right. Finsåhøgda is in the background.

"I certainly would agree to being tested by a lie detector. The UFO I saw was, maybe, 25 meters long and 2 meters high. In a way I was paralysed by the sight. The object was hanging quite still in the air, and I could hear no sound from it. After a while, I do not know how long, it began to move. It slipped slowly forward, and suddenly the object was gone. My wife joined me and saw exactly the same as i did. The word "UFO" was not in my thoughts, simply because I allways have looked upon such observations as imaginations. But now I have changed my mind. What I saw, I saw.

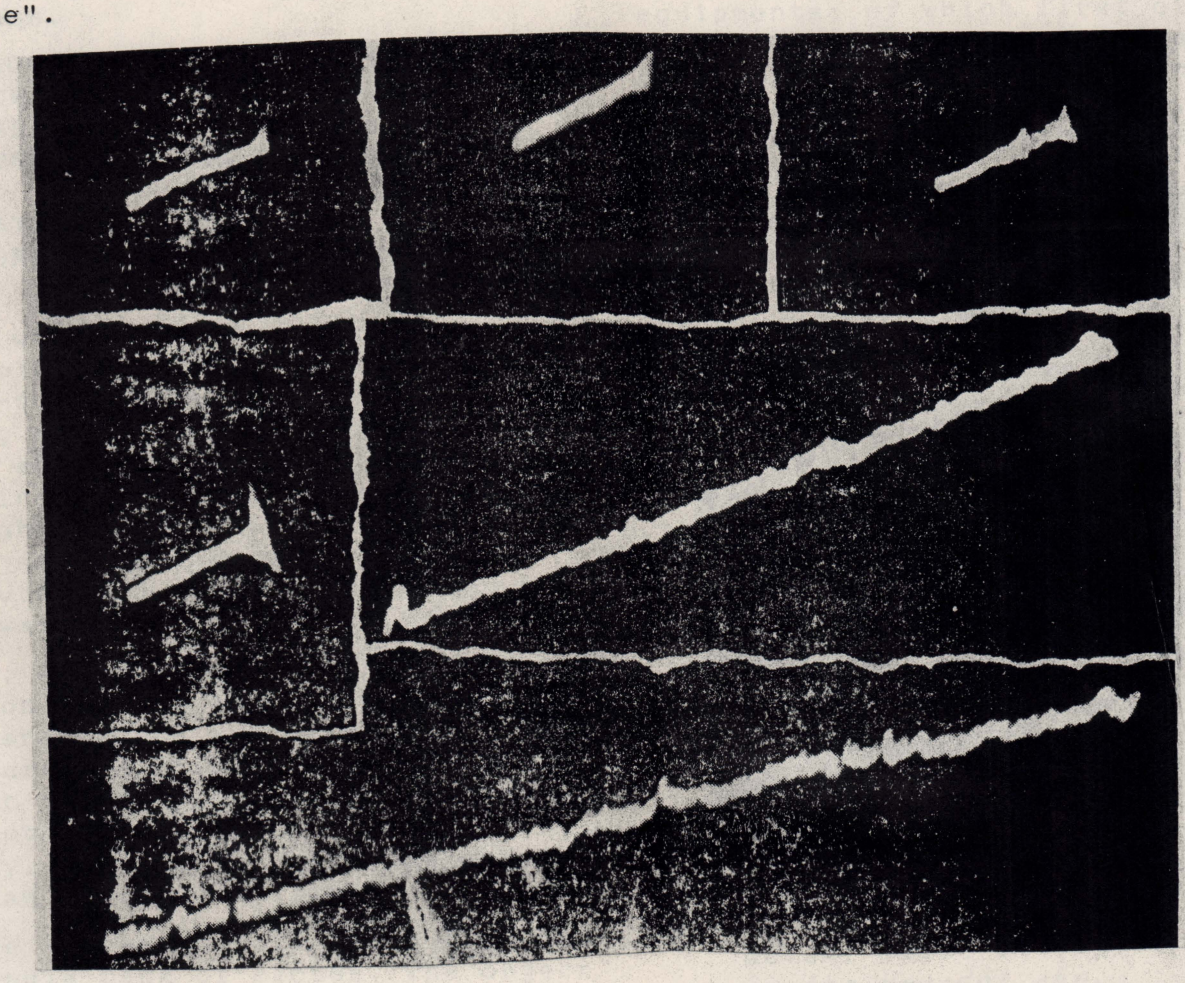
Usually I am not used to react much on things, but the object I observed at close range made an indelible impression on me. Every day I think on UFO, and unconsciously I often take a look on the sky. In a way I wish to see an UFO again. Often I wake up in the night, rise and get to the window where I am standing for a long time".

The pictures below were taken from Hessdalskjølen in the evening on January 18. 1982. They show a bright spot which seemed to move across the sky. All the persons present were definitely sure of that the object moved, and as if it - with a varied speed ,neared in a hesitating way. One also meant to see that the object "swerved" here and there, from one side to another. After a while these movements became more quiet.

The pictures are time exposure, and therefore the shining objects will be outlined as a streak on the picture. We see the drawing of zigzag movements up in a slanting line. The upper picture has a time exposure on five minutes. The picture below, to the left, on three minutes, and the 4 small pictures have a time exposures on 30 seconds.

NIVFO has examined the pictures, and the result is given below:

PHOTO: NILS KÅRE NESVOLD.



1. The pictures show a phenomenon having moved in a straight line on the sky with an even angle speed. This we can see because the length of the streaks are proportionate to the exposure time.

2.
The zigzag movement is mainly due to the movements of the picture owing to air disturbance. Further we see from the short exposures that that camera has moved and made vibrations, which possibly arise from the shutter.

3.
The length of the streaks is estimated to 2-3 degrees on the sky. This is quite close to the natural movement owing to the earth rotation. With this speed, the movement across the sky should be 15-30 degrees in an hour, i.e. 30-60 moon diameters. Thus the pictures may show a star as well as anything else.

Another Hessdalen photo we examined, was a reflection in the camera optics.

* * *

SILVERY "TORPEDO" OVER HESSDALEN.

We received this report from Jon Arvid Aspås immediately before the magazine was ready for the press.

PLACE ..... Hessjøen, Hessdalen.
DATE ..... Friday 3.9.82.
TIME ..... 19.25. pm.
WITNESS ... Jon A. Aspås and his family (6 persons).
WEATHER AND LIGHT COND. Calm, clear, apart from a bank of clouds.

It was just before sunset. The whole family sees a bright torpedo-formed object which comes gliding on the sky without a sound, in about an usual air speed. It shines like bright steel in the light from the sinking sun. The object was observed against the south, and moved from the south towards the north-east.

Mr. Aspås estimates the observation time to about 3-4 minutes. Distance and actual size is, of course, difficult to estimate, but he would guess that the object was about 2 kilometers away, and that it was some greater than an usual airliner.

The sky was clear, apart from one single bank of clouds. The object moved into this cloud, and the observers could not see it coming out again. For a quite long time they waited for the object to turn up again on the other side, but without any result.

Aspås is quite sure that the torpedo-formed thing had no visible projections, such as wings, tails, fins and so on.

* * *

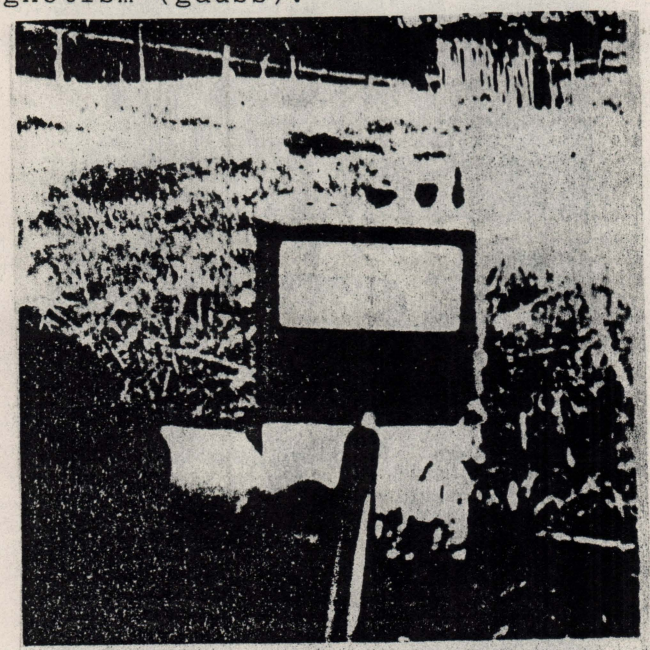
INSTRUMENT REGISTERING OF UFOs IN HESSDALEN.

AFTER A STOP IN THE OBSERVATIONS FOR SEVERAL MONTHS, THE REPORTS AGAIN ARE STREAMING IN FROM HESSDALEN.

FOR THE FIRST TIME ONE OF THE PHENOMENA SEEMS TO BE REGISTERED ON MODERNE MEASURING INSTRUMENTS. (Short mentioning in News Letter, no. 4/82.)

As is well known, NIVFO has, on several occasions been in Hessdalen and made inquires, and at least one person has more or less permanently been in the area with different technical equipment.

On Friday, September 3, 1982, four persons from NIVFO were there with further equipments, of which first of all ought to be mentioned a new American instrument for measuring of, for instance, electric voltages in the air, in the earth and so on, together with electromagnetism (gauss).



According to this special instrument there appeared a gradient of about 100 volt per meter, while an object moved on the Hessdal sky.

One of the reasons why start using this instrument was to try finding out whether tangible variations were found

in the electrical potential. (If a "valley wind" or another process could keep a gradient of 1000 V/cm in the air, the working life for ball lightning might be much longer than usual.)

Friday night at 22.50 a shining object, quietly flying, su ddenly turned up straight over Finnsåhøgda. It only just passed the top and in the course of 15-20 seconds it disappeared behind the top. Seen with the naked eye it might, judging from the speed and the light, have been a flight or something like that, but the object was completely noiseless. The sound from a flight/helicopter would have been very noticeable in this case. We barely had enough time to direct a binoculars(7x50) towards the object before it was gone behind the higher part of Finnsåhøgda, and then one could see something like a red light in the front and a glossy one behind. As the object moved too fast, there was no possibility of taking pictures or something like that, although a lot of photographic equipment was ready rigged up. The only thing to be said is that the object definitively was no flight, helicopter, reflection and so on, or any astronomical phenomenon.

No more was observed on Friday evening or the night before Saturday.

* * *

SATELLITES - AND AN OBJECT CHANGING COURSE.

Saturday evening, at about 20-30, we again were there, a few hundred meters from Lars Lillevold´s "seter" (a temporary farm on the upland pasture) which was hired for the occasion. As the night before, the weather was fine with a clear sky, apart from some thin clouds here and there. One satellit and another passed quietly across the sky. With their even movements along the equator from the west to the east, you could easily recognize them. In one case a satellite also passed across of the equatorial level.

We stand there, looking at the satellites near zenith on their way eastward, when suddenly one from the opposite direction, i.e. from the east towards the west, turns up, and the two pass each other in a mutual distance of about two moon diameters. The last-mentioned object, which then moved contrary to the earth rotation, disappeared, and immediately afterwards another object turned up near to zenith, and that one was certainly no satellite as it started moving around on the sky in several different directions.

EFFECTS ON THE MEASURING INSTRUMENT.

The instrument was set for measuring of the electric tensions in the air, and it was lighted up by a special lamp, placed many meters away to shut out possible influence.



In the same moment as the object turn-up on the sky, the arrow on the instrument made a strong deflection. The whole time before and after the observation, the indicator kept completely quiet in the zero position.

THE DEFLECTION SHOULD CORRESPOND TO A GRADIENT OF 100 VOLT PER METER.

The first question to be raised is now, of course, whether a source of error could be found - another thing who might be the cause of the effection than the object on the sky. Until now, however, we have not been able to find any such error influence.

Further we may ask whether some of the persons present had noticed something - which they had not. In this case it is, however, not possible to say whether it turned upon a horizontal or a vertical gradient. But it may be of intefest to mention that two cows taking up their position near by - one standing upright, the other lying down - did not show any noticable reaction while this was going on.

The observation lasted for only a few seconds, and the very moment the "manoeuvring" object was gone, the arrow on the instrument fell back to zero.

Beyond that, it is difficult to say more for the time being. The observation point of time was about 21.45 pm.

* * *

GRADIENT (Lat.: gradus, step.)

1. (mat.) Size (vector) giving information how fast and in what direction a function changes. If one for instance want to describe how the air pressure changes from place to place, this could mathematically find expression by a function with three variables, f(x,y,z), where x, y and z are the co-ordinates of the place, in a well-defined rectangular co-ordinate system. An expression pressure change in the three co-ordinate direction on a certain point of time, one will find by the partial derived

$\frac{df}{dx}, \frac{df}{dy}, \frac{df}{dz}$ (d here stands for delta)

and it will be the vector with these component sizes which in every point will give the direction for the greatest (pressure) - change. This vector is in general called the gradient to the given function f. The diagram (see above)

$(x,y,z) \quad \frac{df}{dx} \frac{df}{dy} \frac{df}{dz}$

is said to define the gradient field derived from the function f.

2. (meteor.) The word gradient is used in meteorology, especially in connection with variations in the air pressure. The word gradient is also used about changes in the air temperature, especially in vertical direction. The vertical temperature gradient gives information about the air stability. The horizontal component of the pressure gradient defines the wind force in the place.

3. (techn.) The word gradient is often used in connection with temperature changes from point to point inwards in a substance. If, for instance, the temperature is rising 1 degree centigrade per meter inwards in the substance, it is said that the temperature gradient is 1 degree centigrade per meter. For pressure changes in a substance, one can similarly get a pressure gradient given in Pascal per meter.

Is the gradient for a road rising evenly at, for instance, 1 in 10, it means that the road rises 1 meter pr. 10 meters in horizontal direction.

GRADIENT WIND.

The wind coming into being when it is balance between the horizontal components of the pressure gradient, earth rotation deflecting force (the coriolis force) and the centrifugal force, owing to the curved-lined path of the air particles. Round low pressures the gradient wind is weaker, round a high pressure it is stronger than the geostrophic wind.

NIVFO bulletin, no 4/82

LAST NEWS FROM HESSDALEN.

Friday, October 1. 1982, Per Moen (NIVFO observed from Hessdalskjølen a shining object moving along the middle of Hessdalen from the north to the south. Through binoculars it looked just like the object we saw on Friday 3.9.82. The point of time was nearly also the same - between 22.30 and 23.00 pm.

After 34 minutes, the object, possibly another one with the same appearance, came back along the same "route", from the south to the north.

By the first observation, Moen thinks that the speed of the object could not

be more than about 50-100 km/h. He then watched it for about 3-4 minutes. When it returned, the speed was considerably greater, and the observation time was about 2 minutes.

Moen took a number of pictures of the object, but owing to the comparatively great distance, the films only show small light spots.

On one occasion, the object disappeared into a cloud layer, estimated to a length of 800-1000 meters.

* * *

And finally:

REPORT ABOUT A STRANGE UFO-OBSERVATION IN HESSDALEN, 18. or 19.09 1980.

PLACE: .... Hessdalen - in the heart of the mountain.
DATE: ..... 18. or 19.09. 1980.
TIME: ..... 12.30 pm.
WEATHER AND LIGHT. COND. Clear/bright/calm. Further data not given.
TYPE: ..... CE II.
WITNESS: .. August Holen, 1473 Skårer(near Oslo).
OBJECTS:... 3 craft-similiar objects with the classic saucer shape - a disc with a cupola - "unknown red colour" - a faint humming noise during the flight.
MOVEMENTS: Still standing/ great speed/speed changes.
HEIGHT ABOVE THE GROUND: ... 5 meters.
SIZE: ..... 3,5 meters in diam.

The object disappeared behind some mountains in the north in the course of 10 seconds.

The witness' description:

August Holen was together with two of his hunting companions. They had walked along the mountains from a hut at Elgsjøen, near Hessdalen, in the direction towards Dalsbygda. It was a fine summer day with a clear sky.

They walked there in peace and quiet. Suddenly Holand got a strange feeling. The air seemed to be tight, as if the oxygen disappeared. He "felt" something behind, and noticed a shadow coming slowly gliding forward on the heather. He turned sharply, and immediately he discovered the objects. They stood still in the air at a distance of only a few meters. The objects (see sketch) looked like "great lumps of sugar candy" with an indescribable beautiful, red colour, and they gleamed in the sun. The objects had a form like hats with brims and a small elevation on the top. Holen thinks that this elevation might have the same function as the periscope on a submarine. Besides, each of the objects had an antenna-like protrusion on the right side of the cupola. The brim, or "carrying wing", as Holen calls it, rotated at a great speed. The material in the brim was like corrugated iron. On the "brim"s extreme edges there were a lot of holes as if two corrugated iron sheets were placed close together. Someone also thought they looked like organ pipes.

In the bottom of the object there were two holes, one on each side. Owing to the "tight" air, Holen believed that the objects were using oxygen as fuel, and that the holes sucked in the air. Holen has some difficulties in describing the material of which the cupola was made. It looked as if it was composed of a sort of stone or of glass. He compared this with sugar candy - "the work seemed to have been done in and uneven and rough way".

During the whole observation a faint humming was heard, "as from a bumblebee in a matchbox".

Suddenly, as on a prearranged signal, the three objects simultanously tipped over on edge with the cupola facing Mr. Holen. With the bottom turned towards the speed direction, the objects accelerated violently, and they flew in formation northward, low over the ground. As small, red points, they disappeared over the mountains in the course of 10 seconds.

When this happened, Holen did not notice any smell or air pressure. He did not feel any fear or something like that, only surprise. But a reaction came later, a sleepless night with wandering what this might have been. The following three holidays he kept near the hut without firing a single shot. Later he has given up the chase and sold the guns.

To Holen the objects were fully real, and he thought they must have been made by men.

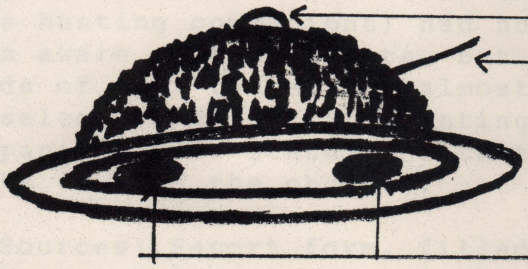
He thinks "they" are still up in Hessdalen somewhere, but earlier he said he never has been taken up with UFOs.

THE HUNTING COMPANIONS.

One of these, Mr. Torvaldsen, stood before to the left, and the other,

(Cont. page 10.)

SKETCH to August Holen´s report.





Part of map with the lakes "Øyongen" and "Elgsjøen".

Mr. Sømo, was standing on a height about right in front of Mr. Holen. A brood of grouse came flying towards Mr. Holen, and disappeared behind a stone before it came within range. Torvaldsen confirms that a brood of grouse had come flying. It seems curious to him that they (the hunting companions) had not been aware of the objects, but reminds of that these were almost noiseless, and that his hunting companions were standing with their backs towards the objects.

Sources: Report form, filled in by Mr. Holen - personal talks.

Handling the case: Reg. leader NIVFO EAST, Leif Mehlum.

PRELIMINARY REMARKS:

August Holen is now a 59 years old park worker. He brought forward this report in connection with the famous mass observations in Hessdalen in 1982. Today he regards the objects as unknown crafts, but he does not use the words "extra terrestrial" in his report to NIVFO.

He also this year has visited his hut in Hessdalen, and he tells that he, during his stay, observed a craft-similiar object near to a river. (Further informations are yet not obtained.)

NIVFO is now working further with Mr. Holen´s report from 1980. Preliminary we can make the following remarks:

These three objects are, in all essential points, quite different from the other observation reports from Hessdalen.

"An unknown red colour" - what does it mean? - The witness apprehends the objects as "magnificent" -why?

The two hunting companions did n o t notice any special things during the observation. At the moment we are not sure how far off the objects were, but we realize they could not be particularly far off. It seems remarkable that the hunting companions did not catch sight of three objects having a diameter of about 4 meters.

NIVFO.

OTHER NORWEGIAN REPORTS.

MYSTICAL "MINIFLIGHT" AT FULL SPEED OVER HOLSEN.

"Is it possible for a bird to fly two thousand meters against the wind during five seconds? Or are there an unknown type of light aircraft roaming about all over the country?" It is Leif Nydal from Holsen who, in conversation with the newspaper "Firda", asks the question in that way.

Saturday evening, at half past seven, he was collecting sheeps together with Finn Ove Holsen. When they had reached up under Finnskåteholten, they suddenly heard a whistling in the air. Right above them an armada of about 10 objects, looking like airplanes, was flying. The "flights" crossed the valley, and in five seconds they disappeared behind the mountains on the other side of the valley. The distance here is two thousand meters.

The "flights" might be the size of a swan, and had a greyish colour. We wondered if it could be a bird. But as far as we could see, the wings did not move. Besides, in spite of the strong cross-wind, and some contrary wind, the course was quite steady.

The object looked like being stamped out of a machine. The wings were lying backwards, and the trunk seemed to be metallic. We did not hear any noise - only a strong whistling. "I am not in doubt that this was a type of a light aircraft, but what kind, I cannot understand", Leif Nydal says.

Mr. Nydal does not believe in UFOs, but he has notified the phenomenon to the vassal.

Now he wonders whether there are others in the area having seen something like that. Are there unknown "miniflights" moving at such a furious pace?

"Firda", Førde, 29.09.82.

INTERESTING OBSERVATION IN VALDRES.

PLACE ..... Furdal, Østås, Valdres.
DATE ..... 22.07.82.
TIME ..... 16.15 - 16.22.
WEATHER
COND. ..... Lightly overcast/calm/ bright/ wind from the west.
TEMPERATURE 23-24 degrees centigade.
THE SUN´S
POSITION .. In the west.

DESCRIPTION OF THE OBJECT:

It was a silvery shining object with more flats or facets glittering in the sun. No audible sound was heard by the witnesses. The speed was low. The object moved from the west to the east. The angle size was estimated to 10-12 centimeters on an outstretched arm. Changes of course, speed or height is not observed. The object partly moved through light clouds. It disappeared behind mountains in the westerly direction.

The witness tells that she accidentally cought sight of the object which glittered in the sun. At first she believed it was a kite, but soon she found out this was not the case.

Her husband and a boy (9) were together with her. The witness tells among other things:

"Because my eyes are not good, I handed my binoculars over to my husband. He first thought it to be a satellite, but said that this object was as great as a car and rotated in the air. The sun shone on it, and the whole time one could see the object glittering like silver. Sometimes it passed through the light clouds on the sky". She says they knew this was the very day when the American space ferry was shot up. .

Source: Report no. 220782/I - NIVFO.

NB: The given angle size must, as a rule, be taken with reservations and must possibly be corrected also in this case, as 10-12 centimeters seems to be quite unreasonable.

* * *

UFO IN RØROS.

The time was 02.85 the night before Sunday, on August 1, 1982. Three persons were sitting on the veranda of Per Kr. Larsen at Tangen in Risør, enjoying the beautiful summer night. The moon shone along the water surface, and it was completely calm, so calm, Larsen tells, that they could hear people talk together on Engan, an island about 500 meters south-east of Larsen's house. And here Mr. Larsen himself tells what happened:

"At 12.45 pm I discovered a red light east of Stangholmsgapet.(picture).



Per Kr. Larsen points towards Enga, where strange things were observed the night before Sunday.

I first thought it was the masthead light on a sailing boat, so I did not care specially about it. While we sat there talking, one suddenly became aware of that the "boat" actually did not utter a sound. All of us noticed that very clearly, and it also proved that the red light was about to change gradually from red to white. It moved at a speed of 5-6 knots, and was about 20 meters up in the air. Now we also saw that the light was about the size of a football. We could follow it for scarcely 3 minutes before it disappeared", Larsen tells.

"Do you believe it was an UFO?"

"If you mean a flying saucer or something like that, I do not think so.But we used the elimination method, and found out that it could be no flight, boat, balloon, helicopter or similiar things. Therefore it must be an unidentified flying object".

"Agderposten", Aug. 5. 1982.

AND WHY NOT HESSDALEN ONCE AGAIN !

FURTHER DATA CONCERNING A NOTICE IN NIVFO BULLETIN no. 3/82, page 15.

Three persons from Bærum stayed at Øyungen. It was in June 1982, and the night was bright as in the middle of the day. Over them hung a huge object, and from this three smaller objects were shot out. They scarcely did not believe what they saw, but the objects took their stand and made points, which,

with lines between them would have made a square. Short afterwards one of the tourists became very sick. So the person concerned did not become sick during the observation itself, but some time afterwards.

Here it turns about second-hand information, as the tourists seem not to be willing to stand up and tell their story.

* * *

SHINING OBJECT OVER KONGSVINGER.

Was it an UFO doing strange "capers" over Kommersøya Saturday evening (31.07.82)? Ole Hovengen is sure: It was an UFO. At any rate it was no "earthly object". Together with 3 others he discovered a shining object at 22.50 pm. The shining point stood quite still. Suddenly it "swerved", first in one way and so in another. The small, shining object was observed for one minute before it disappeared. It was first seen in the south, and then it moved in north-easterly direction.

"Drammens Tidende-
Buskerud Blad",
03.08.1982.

(Concerning the "swarving" movements, see the pictures from Hessdalen on page 4.)

* * *

UFO OVER ROMSDAL.

In several newspapers there have been written about a strange object moving over the vault of heaven. The incident should have taken place Saturday evening, and in Hovdebygda, Sunnmøre (Ørsta/Volda). One even think it may have fell down.

A couple of men saw the shining object which they thought was standing still on the south sky. It had the form of a"light-pipe"in blue and white colour. So they heard a "swish" in the air and the object set off at an incredible speed over the heaths towards Volda, the two men in Hovdebygda tells. For a while they were standing speechless, but got themselves together when they immediately afterwards heard a boom from the north. The object may have been between 10 and 20 meters long.

People in Rauma have also seen the object, whatever it might be, flapping round on the vault of heaven. Knut Skorgen, for instance, saw a light when he sat on guard in the deer country in Skorgedalen, and we also have got reports from others having seen a great star with a tail behind. None of them can explain what it might have been.

"A little after 20.00 o´clock, Saturday evening, I was sitting in my hunting cottage when the whole valley was lit up as if it was in broad daylight. I first thought it was the military carrying on exercises and using light bombs, so I was not afraid", Mr.Skorgen says. "But when we came down and had passed Hegerholmen, both my wife and I saw the shining object. It was like a great ball, and when we stopped for a while in Neshagen, we saw the object once more, and now it was fairly great. What it might be? That I don´t know. A meteor flying up and down in such a way, it could not be either.The time was well over 21 pm. when we saw the object for the last time",Knut Skorgen says.

"Åndalsnes Avis", 30.09.82.

* * * *
* *
*