U.S. DEPARTMENT OF STATE DOCUMENTS ON THE SCANDANAVIAN

GHOST ROCKET PHENOMENON OF 1946

(and other pertinent documents)

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GHOST ROCKETS OF 1946 AND THE UFO GENESIS OF 1947

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ABSTRACT

The 1946 and 1947 UFO flaps are well correlated with six comets and shown to be geomagnetic in nature. These unique phenomena were caused by the high degree of solar activity at that time and the dispersed orbital streams of three of the comets.

KEY WORDS: Comets, geomagnetic phenomena, ghost rockets, UFO genesis.

INTRODUCTION

Ghost rocket activity occurred over Scandinavia from June through August of 1946, with a preliminary event in February. Documentation of the phenomena appeared in Morgon Tidningen and Svenska Dagbladet, and was collected and translated by Bullard (1982).

The 1947 UFO genesis occurred primarily over the U.S. mainland and Canada in June and July, with preliminary events in May and possibly April. About 850 of these accounts were collected by Bloecher (1967). Prytz (1982), among others, made systematic evaluations of the flap in terms of various sociological, psychological, and physical phenomena but with little success.

Winkler (1984) found a strong correlation with many pre 1947 ufolike phenomena and twelve, short period comet streams that pass through the ecliptic plane within or near earth's orbit. These phenomena were designated as LAPs (luminous atmospheric phenomena) to distinguish them from other events analyzed. The LAPs tend to occur when earth encounters a solar-cometary mixture that accompanies shower producing meteoroids or is sprayed by the sun from the stream into earth's path. The processes by which LAPs are formed from solar-cometary metter are closely related to the processes producing geomagnetic storms and auroras.

The time of year that earth encounters the mixture is determined by the intersection of the comet's line of nodes and the ecliptic (Figure 1). The twelve LAP producing comets are listed in Table 1 along with their spray dates and associated showers. Brorson Metcalf and Halley have such small perihelions that they have two spray dates, while Pons Winnecke has a perturbed orbit with a regressing line of nodes, producing a continuum of spray dates. Because of perturbations and the geometry of the orbits, shower intervals do not necessarily contain spray dates.

UFO FLAPS OF 1946 and 1947

During solar activity, comet streams are embedded with solar-comet mixture and make the streams more susceptible to LAP phenomena. Solar

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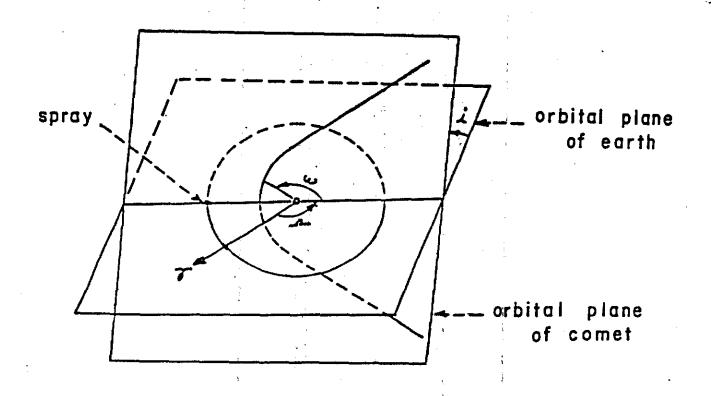


FIGURE 1: ORBITS OF PONS WINNECKE AND EARTH. COMET PARAMETERS FOR 1947 TAKEN FROM MARSDEN (1982), (1 = 18°, Ω = 94°, ω = 172°, q = 0.97 A.U., γ = VERNAL EQUINOX, Q = SUN)

COMET	SPRAY DATE	SHOWER	SHOWER DURATION
BRORSON (1879 I) BRORSON METCALF (1919 III) ENCKE (1947 XI) GRIGG SKJELLERUP (1947 II) HALLEY (1910 II) PONS WINNECKE (1945 IV) SWIFT TUTTLE (1862 II) GIACOBINI ZINNER (1946 V)	Jan 2 Feb 3 and Aug 3 Feb 25 Apr 26 Nay 19 and Nov 19 Jun 24 thru Jul 15 Aug 10 Oct 8	Taurids Aquarids Orionids Perseids Draconids	Jun 24 to Jul 5 APR 21 to May 12 Oct 18 to Oct 26 Jul 25 to Aug 17 Oct 10 Nov 14 to Nov 20
TEMPEL TUTTLE (1866 I) BIELA (1852 III) PONS BROOKS (1884 I) TUTTLE (1954 VII)	Nov 13 Nov 27 Dec 4 Dec 21	ANDROMEDIDS URSIDS	Nov 14 To Nov 20 DEC 14 TO DEC 20 DEC 17 TO DEC 24

TABLE 1 TWELVE LAP PRODUCING COMETS WITH THEIR SPRAY DATES AND ASSOCIATED SHOWERS TAKEN FROM WINKLER (1984), SPRAY DATE COMPUTATIONS BASED ON DATA BY MARSDEN (1982), AND SHOWER INTERVALS TAKEN FROM BROWN (1978).

activity, as measured by sunspot number, was extremely high in 1946 and at an all time high in 1947. Because the ghost rockets of 1946 and the UFO genesis of 1947 occurred during the same period of high solar activity as well as overlapping times of the year, in June and July, the two flaps are related.

Figure 2 is a plot of the frequency of occurrence of the 1947 UFO flap according to Bloecher, along with comet spray dates and meteor showers occurring the same time. The figure readily shows that Pons Winnecke and the Taurid shower are responsible for the UFO genesis. The secondary peaks of late June correspond to the beginning of the spray continuum and shower, while the end of the flap occurs at the end of the spray continuum. The beginning of the spray continuum and shower even agrees with the date of the celebrated sighting of Ken Arnold on June 24. Preliminary activity from May 17 through May 19 corresponds well with Halley's earlier spray date of May 19, and the possible activity of April 22 falls within the Aquarids and is not far from Grigg Skjellerup's spray date of April 26. (Table 1)

Figure 3 is a plot of the frequency of occurrence of the 1946 ghost rocket activity according to Scandinavian newspapers, along with the comet spray dates and meteor showers occurring the same time. The figure readily shows Pons Winnecke and the Taurids are also responsible for the secondary peak, but Brorson Metcalf and Swift Tuttle are responsible for the main peak. Although the flap peaks after the Swift Tuttle spray date, this comet is known to have a dispersed stream because the associated meteor shower, the Perseids, which extends from July 25 to August 17, encompasses the peak. As far back as 1946 an unnamed Swedish scientist was cited in Svenska Dagbladet (Reference) as attributing ghost rocket activity to the Perseids.

The uniqueness of the ghost rocket activity is emphasized by additional preliminary and accompanying phenomena. Scandinavian newspapers gave accounts of spectacular auroras occurring over Helsinki on Feb 26 and Stockholm on July 26. The preliminary aurora correlates well with the spray date of Encke on February 25, whereas the July 26 aurora corresponds to the onset of the main ghost rocket activity. Evidently, earth encountered a wall of solar-comet mixture in space around July 25 and 26, which simultaneously produced meteors, auroras, and UFOs.

Pons Winnecke plays a unique role in UFO history. Not only is it a common comet to the 1946 and 1947 flaps, it is also involved in the great Tunguska, U.S.S.R. event of June 30, 1908. At that time the comet was in an unique position to be associated since its orbital stream was near earth's orbit (q = 0.97), and its spray date was June 30, corresponding precisely to the date of the explosion which created seismic waves detected in Europe. The idea that the event was cometary in origin is supported by phenomena observed to accompany the event which included a spectacular LAP, a great yellow aurora to the north and enough dust in the atmosphere to dim the celestial bodies.

GEOMAGNETIC EVIDENCE

Winkler showed that LAPS and magnetic storms have similar correlations with cometary streams, and that LAPs and auroras are often seen

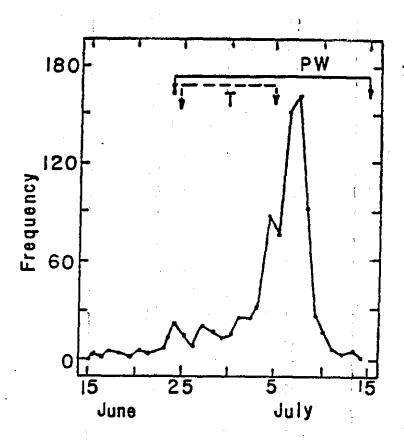


FIGURE 2: FREQUENCY OF OCCURRENCE OF UFOS DURING 1947 TAKEN FROM BLOECHER, WITH SPRAY CONTINUUM OF PONS WINNECKE (PW) AND THE SHOWER DURATION OF THE TAURIDS (T).

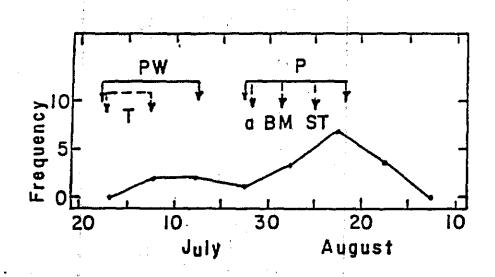


FIGURE 3: FREQUENCY OF OCCURRENCE OF GHOST ROCKETS IN 1946 TAKEN FROM WINKLER, WITH SPRAY DATES OF PONS WINNECKE (PW), BRORSON METCALF (BM) AND SWIFT TUTTLE (ST); SHOWER DURATIONS OF THE PERSEIDS (P) AND TAURIDS (T); AND A SPECTACULAR AURORA (a).

simultaneously. Because magnetic storms and auroras are geomatnetic phenomena, it indicates that LAPs are too. Since one magnetic pole is in Canada, more LAPs are expected to be observed in the U.S. near the northern auroral oval than at lowest magnetic latitudes in North America. This is verified with Bloecher's data since the northern half of the U.S. has many more accounts than the southern half. Even the relatively complex sighting of Arnold, involving nine "flying saucers," occurred in Washington State which is at the highest latitude in the U.S. mainland.

Geomagnetic phenomena are world wide in occurrence since there are two magnetic poles. So, a UFO flap in one region may also be accompanied by accounts in other regions at comparable geomagnetic latitudes. This is essentially what the New York Times (Reference) and Gross (1974) reported during the peak activity. In the northern hemisphere LAPs were reported in England, Ireland, and the Netherlands in Europe, and in Iran and Japan in Asia. In the southern hemisphere accounts came from Argentina, Chile, and Uruguay in South America, and Australia.

Since the sun was active throughout 1946 and 1947, additional extensive UFO activity between the ghost rockets and UFO genesis is expected. There is one remarkable entry in Winkler's Catalog, which goes through 1946, that occurs between the flaps and is well associated with a comet. On Oct 9 a dramatic LAP was observed over California by many and in the eastern U.S. the first photograph was being made of the subclass of LAPs with serpentine trajectories, which later appeared in Popular Astronomy (Reference). These events of Oct 9 are well correlated with Giacobini Zinner's spray date of Oct 8 and its shower, the Draconids, which occurs only around Oct 10. There probably is additional activity occurring between the 1946 and 1947 flaps, but it would require another Bloecher type investigation on a world wide basis to establish this. The LAP of Oct 9 is a noteworthy event in ufology since it was well remembered by George Adamski, who later became a controversial contactee.

EVOLUTION OF LAP MATTER

The evolution of LAP matter is understood to some degree since its origin and mode of entry into the geomagnetic system is very likely to be similar to matter producing geomagnetic storms and auroras. Entry of matter in all cases is thought to occur via the neutral plane of the geomagnetic tail, since the magnetic pressure of the geomagnetic system elsewhere is so great. LAP matter presumably is a mixture of solar plasma and partially ionized cometary gas contrained by solar flux lines that are embedded in a cometary stream of dust and tiny meteorids.

Entry occurs readily if the solar-cometary matter is embedded in shower producing meteoroids because the whole geomagnetic system encounters it directly. When matter is in a stream passing within earth's orbit the matter is thought to be in the form of a stream tail that disconnected from the stream. Since the nuclei of comets form tails that disconnect, stream matter, which is matter from the nucleus, will behave like main cometary tails. Streams are expected to be sufficiently dense before and after the nucleus since all matter

is constantly being disrupted and evaporated by the sun.

Once matter enters the geomagnetic tail, its future status seems to be dependent on whether the solar flux lines are still present or not. If there is no cometary matter present, the solar particles tend to be free and go into producing auroras and geomagnetic storms. there is cometary matter the solar lines are present, and a relatively compact, luminous object is formed, possibly involving reconnections of solar flux lines with earth flux lines. As compact matter proceeds up the geomagnetic tail into the geomagnetic sphere, it is deposited into the atmosphere of earth near the auroral ovals about each magnetic pole. Because LAP matter is laden with dust it is deposited just under the auroral ovals.

Somehow, the journey of LAP matter up the geomagnetic tail forms some LAPs with stable spherical or disk configurations. If these configurations involve charged atomic particles circulating in the same direction, a strong magnetic field can be generated. This would undoubtedly be the field experienced in so many close encounters that interferes with combustion engine spark-plugs and the operation of current carrying devices. This magnetic field would also allow LAPs to follow or pace automobiles and airplanes containing iron. Circulating charged particles can also produce characteristic reddish glows by exciting atmospheric nitrogen.

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DEPARTMENT OF STATE

INCOMING TELEGRAM

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ACTION -EU.:

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DC/R

3431

Stockholm

Dated July 11, 1946

Rec'd 6:10 p.m. EUND'EN.

JUL 1 6 1946

1130, July 11, 6 p.m.

NAPTLOUSO

For some weeks there have been numerous reports of strange rocket like missiles being seen in Stedish and Finnish skies. During past few days reports of such objects being seen have greatly increased. Member of Legation saw one Tuesday afternoon. One landed on beach near Stockholm same afternoon without causing any damage and according to press fragments are now being studied by military authorities. Local scientist on first inspection stated it contained organic substance resembling carbide. Defense staff last night issued communique listing various places where missiles had been observed and urging public report all mysterious sound and light phenomena. Press this afternoon announces one such missile fell in Stockholm suburb 2:30 this afternoon. Missile observed by member Legation made no sound and seemed to be falling rapidly to earth when observed. count of explosion followed however.

Military Attache is investigating through Swedish channels and has been promised results Swedish observations. Swedes profess ignorance as to origin, character or purpose of missiles but state definitely they are not launched by Eyevitness reports state missiles came in from southernly direction proceeding to northwest. Six units Atlantic fleet under Admiral Hevitt arrived Stockholm this If missiles are of Soviet origin as generally believed (some reports say they are launched from Estonia), purpose might be political to intimidate Swedes in connecting

with Soviet pressure

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SECRET

-2-#1130, July 11, 6 p.m., from Stockholm

with Soviet pressure on Sweden being built up in connection with current loan negotiations or to offset
supposed increase in our military prestige in Sweden resulting from the naval visit and recent Bikini tests
or both. Soviet political pressure on Sweden in connection with Baltic refugees here has, as recently reported to Dept, been considerably stepped up.

RAVNDAL

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STORET

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Charge Department:

Charge to Special Deposit News

AUG 27 199

TOP SECRET

NO DISTRIBUTION NO STENCIL

AMLEGATION,

STOCKHOLM.

1398

FROM KESE TO RAVNDAL

Still interested receiving further information on matters described URTEL 1192, July 29/ send promised details and any new information on entire subject since that date.

AUG

Acting (36t)

VIVISIUS OF BEIGHT AND FINANCE

CON: FBLyon: OPV 8-27-46

OP SECRET FILE

STANDARD FORM NO. 64

Office Memorandum · UNITED STATES GOVERNMENT

10 : NOW - Mr Morgan

: CON - Mr. Lyon

SUBJECT:

TOP SECRET

Jack:

The following is the text of telegram no. 1338 dated August 29 from our Legation at Stockholm:

"Depts 1398, August 27.

"While over 800 reports have been received and new reports come daily, Swedesistill have no tangible evidence. Full details of reports thus far received have been forwarded to Washington by our Military and Naval Attaches. My own source personally convinced some foreign power is actually experimenting over Sweden and he guesses it is Russia. He has promised to notify me before anyone else if anything tangible should be discovered."

SEPIG 1946

DATE: Septembe

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The following items were <u>listed</u> in the <u>card index</u> to cables originating from the U.S. Embassy, Stockholm, Sewden, for the period 01 June, 1946 through 31 December, 1946, but were <u>missing</u> from the actual cable file itself:

- 811.20200 Family/ 7-2946, Tel. No. 1192: Message for ESPE concerning rocket-like projectiles flying over Sweden.
- 811.20200 Family/8-2246, Tel. No. 1312: Transmits Top Secret Message for EFSE.

The designator "Family" on such cables indicates a message intended for the US intelligence community. Dates on these messages are pre-CIA.

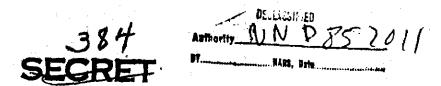
Sweden's commitments under the agreement with USSR. At the least, a readetion in the standard of living seems inevitable by virtue of future commitments even if the industrial leaders are given every encouragement.

Thus, in closing, Sweden's economic weather is sunny today with indications that a storm center moving westward is due to arrive in the near future.

I would like to add two or three things that have come up in this conference. The first is the so-called "spook bombs" in Sweden that have caused so much consternation outside of Sweden. We have been unable to verify any of the tales we have heard and we feel that if there were any "spook bombs," that there could not have been more than two or possibly three-in spite of the thousands of reports. The why's and wherefore's for the twhole offeir, we have been unable to determine. I have never talked to enyone who actually saw one when he was sober. I have never found any place where one has hit and the only part that we were able to get, that purportedly erre from a "spook bomb" was helf of the rear axle of an old Ford.

Another question that has arisen since I have been here—""hat will be Sweden's policy in the case of a war between the East and the West?"

We believe now, under present conditions, that Sweden will try and maintain the middle way to the last minute. If either the East or the West were to try to operate from Sweden, they would find the Swedes resistant. A corollary of that would be that we could not get in there in the event of an attack from the East—or their East—in force and it would be successful before we could get there.



SOURCE: RG 341, Records of HQ USAF, Dir. of Intel., No. 2-19, Page 384, from "Fifth Day", Second Frankfort Intelligence Conference, Report of Military Attaché to Sweden, Genl. Kessler, 5-10 May, 1947.

MCTA/AGL/amb

IN 231946

MOLA

Project "SIGN"

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Chief of Staff
United States Air Fence
Washington 25, D. G.
ATM: AFOIR, LA Col George Sarrett

1. In connection with the importination of flying discs Project "BIGH", it is believed that the various unidentified Tlying objects som over Sweden (so-called "Swedigh Incidents") might be helpful. It is our understanding that a comprehensive file of these incidents accumulated during the past two pages is logated at your Mondquarters.

2. It is requested, therefore, that the entire file "Swedish In-

I. It is requested, therefore, that the entire file "Swedish Incidents" he forwarded to this effice for review as seen as possible. If extra copies are not available, reproduction copies will be made at this Command so that the originals can be promptly returned.

FOR THE COMMANDING GENERALS

H. M. McCOY Colonel, USAF Chief of Intelligence

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117

Aloni-00-2/Maj Tolbert/hr2/6282/ wtn 5 Feb 48

B/L fr Hq, AkG, Wright-Patterson Air Force Base, Dayton, Ohio dated 23 Jan &B, subj: Project "SIGN"

APOIR-CO-2

let Ind.

Dept. of the Air Force, Hq. USAF, Washington 25, D. C.

8 FEb ima

To: Commanding General, Air Materiel Command, Wright-Patterson Air Force Case, Bayton, Chie ATTM: MICA

1. Forwarded herewith on a loan basis for a period of thirty (30) days are the following listed domments:

ED 52:851	KO 70820	x0 61960
x0 58833	KO 68030	ro 61859
EO 55280	ED 66307	KO 64982
EO 70007	RO 67161	KO 61895
KO 66691	KO 67097	10 61986
KO 68332	ro 66129	EQ 63350
KO 67999	ro 63300	FO 61681
EO 69518	x0 67122	10 639k3
XO 73874	ro 66335	so 62298
KO 75893	ro 66115	ko 60556
KO 75634	ro 61613	KO 57213
ko 61180	to 62556	KO 57670
x0 86615	no 63570	to 57652
EO 73577	xx 62008	ko 90250
KO 70535	x0 63079	

2. It is requested that any future correspondence pertaining to this request bear reference to Control ho. A-2641.

BY CUMMAND OF THE CRIME OF STAFF:

DOUGLASS W. MISKMAN Lt. Colonel, U.S.A.F.

Executive, Al : whitence Requirements Dive

Directorate of Intelligence

Щ Incls as listed above

Ref: (1) ANC ltr (MCIA) dated 23 Jan 48, subj: Project "SIGN"

BO Unit Documents en loan from OIR-DD.

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MANUAL PROBLEM

At some point during the late 1940s or early 1950s, the Air Force made a major change in the way that they filed intelligence documents, thus making the old system obsolete. For a time there was some sort of "locator" or cross-reference file to enable personnel with need-to-know to find "old" documents which had been given "new" numbers. Unfortunately, this cross-reference seems to have been lost in the process of transferring records to the National Archives, making it impossible for those in the system today to locate records bearing "old" style numbers.

During a visit to the Archives in July, 1985, a major effort was made to locate the "KO" files listed on the preceding sheet, but without success. Freedom of Information requests to the Archives for these files using the numbers listed will result in a reply to the effect that the files in question cannot readily be identified.

WLM, ed. 11/85

Dear Anders,

Have just received your latest hegaletter, I always find it interesting.

However, on one or two points I do not agree with you. Piratly, in the exchange list you say Awareness and UPO Register are discontinued. They are not. The second point: Regarding the London BUFORA Conference you mention BUFORA and UFOIN as the most significant groups, this I do not agree with. Almost certainly Contact International UK is by far the largest group in Britain. BUFORA get its' name everywhere, however it has been our policy always to keep a low profile, since our formation in 1964. We have a very large investigation team, with at least 160 investigators apread over the UK, and we have a very good reputation with the Police, who give us a great deal of support.

Our main function is collection of Data. We are at the moment compiling a Master Catalogue of sightings. I enclose our sighting form, Data Form and a sheet from our Master Catalogue to give an idea of what we are.

Looking forward to hearing from you, Derek Manaell. Contact (UK), hata Research Division, 48 Crown Road, Wheatley, Oxford 019 IUL

APU Newsletter 22

Dear Sir.

My attention has been drawn to your comments on the Sundberg (Loch Ness) investigation, and the fact that you claimed that I portrayed Sundberg as "a hoazer". In fact I stated that, "the evidence does not appear to support the hypothesis that the report is a hoaze, you have not pointed out to your readers that I suggested that the report derives from a hallucination, and, consequently, that Sundberg is honest but mistaken. It is understandable that he would continue to claim he did "see" the incident, yet disappointing that he does not recognize that not all sight is objective.

You should realize that the investigation is incomplete; my hypothesis can be tested by psychistric examination of the witness, and/or examination of his sedical records. Attempts should be made to get him to agree to this.

> Yours faithfully, Steuari Campbell, 4 Dovecot Loan, Edinburgh EB14 2LT Scotland, UK

Editor. Trying to condense the PSR article in just a few lines for our readers I used the unfortunate word "hoaxer", once. This was indeed a misrepresentation of Mr. Campbell's ideas on the case for which I apologize!

APU Newsletter 23

Dear Anders Liliegren,

I have just seen the newest issue of the APU Newsletter, and was most interested. Your comments on UPO Report I don't find surprising - the American news-stand journals are never to be trusted, though UPO Report is no doubt the best. It is an interesting sociological fact that each country has its own, very special, UFO literature; and until you understand this, you can easily be fooled... Of course here in Briatin we have so little UPD literature that the question hardly arises: but most of the books that do get published are by people who are of no account whatever in British ufology - people like Shuttlewood, faget, Johnson. Whereas the people who have something to say - like John Rimmer of MAGONIA - are almost unknown... Travel to Spain, on the other hand, and you find a very good UFG-literature, decently published in handsome volumes... And in America - well, in America, you have to expect anything and everything, of course!

I have never understood why you Scandinavians have not prepared a comprehensive study of the "ghost rockets" of 1946? To me it has always been one of the most curious episodes of ufo-history, antedating the flying saurer business by a year. There is very little documentation in any language; some articles in PSR, and of course to-ren Gross's booklet of 1974, But why nothing from the horse's mouth, as they say?

All good wiehes, Hilary Evans, 1 Tranquil Vals, London SE3 OBU, UK

Dear Er, Liljegren,

I have read your bulletin with great interest and as writing to ask for a favor - perhaps in exchange for one or more of the items I distribute?

I have been working for sometime on elucidating the se-

Sleppey and Marcel stories. The enclosed Canadian forserly Top Secret document pointed me towards Varnever Bush the Joint Research and bevelopment board, the Mational Advisory Committee on Agronatutics etc. etc... and towards a very special person, General James M Doclittle - still alive at 85 - heavily involved in all kinds of highly classified work after the war, a close associate of Bush, and also Baving a Ph.D. in aeronautics from MIT.

The key reason for writing to you is that the New York Times on August 22 and 23, 1946, carried brief articles about Doolittle and General David Sarnoff discussing the ghost rocket sightings with Swedish defence department personnel. Nobody has ever seen any report though presumably one was written for at least Eisenhover, than Chief of Staff, My associate William Moore met with Doolittle after 1 has found him. JD is still very sharp and remembers all the other details of his European trip of August 1946, except for what happened in Sweden... Very selective ammsgia...

Anyway, what I am looking for is any information from the Swedish newspapers or other sources concerning the discussions, who was involved, sto... Are any of the Swedish people who were involved still alive? Accessible? Any information would be greatly appreciated.

Looking forward to hearing from you. Stan Friedman, 110 Kings College Road, Predericton, New Brunswick E3B 2E7, Canada.

Editor: In 1977 Archives for UPO Research published a small booklet (in Swedish) as a result of our researches at the Swedish National Archives where all newswire items concerning the 46 wave were collected and reprinted. 15% items were found out of 10.000 sifted through.

A news article dated New York, Aug. 13 (Reuters) carried an American disclaimer of any connection between the Doo-little visit and the ghost rockets. Rumours, published by NYT, had it that JD was to inspect radar equipment used by the Ewedish military in tracing "the rockets". This was, however, denied by a spokesman for the Shell company (JD had a civilian position as head of their "Air Department"). According to this Shell spokesman the visit had been "planned 6 months before" in order "to make inspections" in Scandinavia.

The then foreign secretary <u>bean Acheson</u> disclaimed (same srticle) rumours that American experts had been sent to Sweden in connection with the sightings. Refurther stated that the Swedish government had not asked for any such support.

Another article, dated Aug. 22, London (Reuters), carried a Swedish Air Porce disclaimer that similar help would have been sought from Britain. This rumour was published by Daily Express correspondent Guy Eden and apparently was a misunderstanding of Swedish negotiations for new British radars to match the newly acquired Vampire jet fighters. According to Eden British experts had been to Sweden early in August and had then submitted a report to Whitehall. It is difficult to imagine that the subject of the ghost rockets could have been avoided at any of these meetings.

Sweden had experimented with radars since 1939. In 1944 the first of thirty AMES 6 radar units were bought from Great Britain. In March 1947 the Air Force contracted 23 American SCR-615B units, but they were never delivered due to bureaucratic reasons. It is evident that there was a great interst in Sweden to acquire the most modern radar equipment available. The Doolittle visit makes sense in that general picture. Much previously classified data is now appearing from this period when secrecy is done away with. I am in contact with a researcher who's writing a treatise on Swedish intelligence work of the period and I have hopes new data will appear soon.

Foreign readers (set just Hilary Evans & Stan Priedman) ask us why nothing is done about the 1946 data. AFU has had a project slowly running for abt 10 years to collect, in the first run, newwire & newspaper info about the wave. My feeling is that newspaper stories are just the top of the teeberg and not always reliable information, so the project needs an extension to other sources.

A photo from the offices of the Swedish Defence Staff (mid-60s) shows a file labeled "1946" which obviously had first-hand data. When responsibility for UFG "disinformation" was transferred to the Research Institute for National Defence (POA), this file disappeared, mysteriously. I am confident, however, that there is a lot of data available in Swedish archives, and in the memories of people involved, but unless a keer, investigator of the era volunteers his/her support I feel that WE will not find time and resources for any such

Ism #25, 0.13 dueced, Bux SOVE, NORRKOPING A. F. U. Newsletter,

tars, such an investigator (preferably equipped with the leisure time that we don't have) appears we will gladly support him/her and publish the findings,

Dear Mr. Liljegren,

I recently compiled a collection of texts concerning phantom mirehips and other early UPOs, drawing on the results of several years' research. I began distributing copies to other investigators interested in historical wfology, and lucius Farish referred me to you and your organization for your work with the ghost fliers and ghost rockets. My collection contains some materials on these same phenomens, though I must apologize for the very sorry translations. Still, I hope you will find the collection of use, and I hope as well that the American mirship data will help fill in the picture of late 19th and early 20th-century UFO activity for you.

If you know of any serious researchers in the field of historical ufology, I would appreciate learning of them.

Sincerely.

Eddie Bullard, 517 E. University St. nr 2 Bloomington, Indiana 47401, USA Editor: Mr. Bullard emplosed his privately intrined time titled "The Airmrip File. A collection of texte concerning phantom airships and other tota, gathered from newspapers and periodicals mostly during the hundred years prior to Kenneth Arnold's sighting". Mr. Bullard duplicated the texts by typewriter on index cards and ther had them reduced to make place for maximum data on each page, 386 pages in all. This seems like s gigantic "gras roots" job performed by Eddie, and should be of immense SESTR" interest to researchers who want the original, unaltered texts and not just extracts found in books and articles. Abt 20 pages concern the 1930s ghost filters and I must confess there were one or two items I had not noticed as I sifted through the pages of Swedish newspapers. Also 13 pages of data on the 45 wave (I have not found time to theck these against our collection). If you're interested I suggest you contact Mr. Bullard.

--- Several other, interesting, letters will follow in a forth-coming issue.

Nyförvärv

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Kjellsson, Henry: Sju matter på Cheopspyramidens topp. 1987. int. 169 s. 111. (Gåva av Carl-Anton Mattsson).
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UPD/IPO: a process of elimination. An investigative study by scufori & Probe. Edited by lan Mirzylof. 1982, hafte. Al s. ill. (En utmärkt liten handbok med bl.a. fall sem fått naturliga förklaringar efter noggrafia unders kningar Gåva av utgivarna).

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Notiser

GEPAN NEDLAGT

Den franska statliga UFO-undersokningsgruppen GEFAN har lagts ned efter det socialistiska makttillträdet i Frankrike. GEFAN startades 1977 som en avdelning inom CNES (den franska motsvarigheten till NASA) sedan förre presidenten Valery Giscard d'Estaing (som tycks ha varit intresserad av UFO-frågan) gett projektet och dess dåvarande chef, sin valsignelse. Den hya franska regimen tycks — i penning-knapphetens tidevarv — ha snæett UFO-forskning vara ett mindre produktivt område. GEPAN har de senaste åren alltmer dragit på sig kritik från ufologer och UFO-organisationer i Frankrike, som tyckt att man från GEPANs sida alltför mycket agerat som "överlägsna experter". GEPAN har haft en skeptisk inställning till UFO-fenomenen och har bl.a. avslojat flera fall av bedrageri.

Kallor: Inforespace, Febr. 83, sid 20-21, Earthlink nr 13, sid 18.

SVENSK SKEPTIKER KONNITTE

En organisation för "vetenskap och populär upplysning" är under bildande i Sverise. Organisationens sål är att kämpa mot "starka antivetenskapliga och pheudovetenskapliga tendenser i det avenska sambäljet". "Misstro mot vetenskap och förnuft är på lång sikt en fara för demokration dåldenna är beroende av respekt för det mänskliga förnuftet", Den skertiska orgasionlighen beräknades vara bildad i slu-