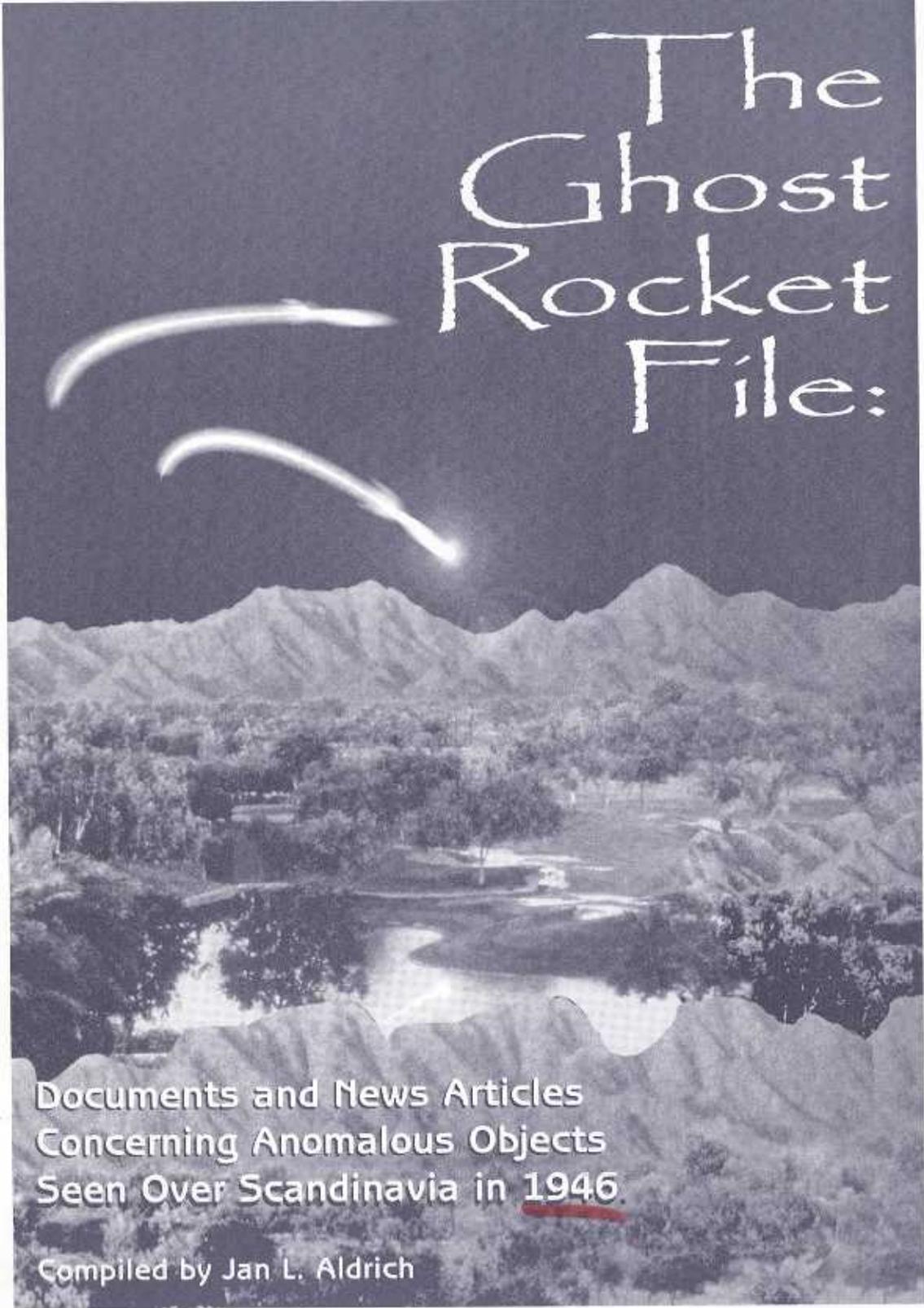


FUND FOR
UFO
RESEARCH INC.

1946



The Ghost Rocket File:

Documents and News Articles
Concerning Anomalous Objects
Seen Over Scandinavia in 1946.

Compiled by Jan L. Aldrich

The Ghost Rocket File: Documents and News Articles
Concerning Anomalous Objects Seen Over Scandinavia in 1946

Compiled by Jan L. Aldrich

For more information about the Fund and its publications, please write to:

Fund for UFO Research
P. O. Box 277
Mount Rainier, MD 20712

Cover design by Ms. Liz Coleson

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The Ghost Rockets

Between the "foo fighters" of World War II, and the first American UFO wave of sightings of flying discs and flying saucers in 1947, there was a major Scandinavian wave in 1946, of sightings of UFO-like objects called the Swedish Ghost Rockets.

3

While many of them were shaped like long-range rockets of the German V-2 style, they mostly flew level, and not too fast, and silent. None of these characteristics came close to describing any type of rocket, then or later. This placed them squarely in the proto-UFO category. Nevertheless, there was a great effort to blame the sightings on Soviet tests of captured V-2s from across the Baltic Sea from Sweden. No such tests ever took place.

While the Ghost Rockets did not resemble the discs and saucers of the 1947 wave, they fit into the broad UFO category because they were Unidentified, they were Flying, and they gave every indication of being Objects. An estimated 1,500 reports were made to the Swedish Defence Staff, making this a major event in UFO history.

Catalogs of "Ghost Rocket" sightings have been published, and descriptions of the wave have appeared in dozens of UFO histories. But for the first time, we present a large collection of official government documents relating to the "Ghost Rockets" and indicative of the great interest at high levels of several governments.

Supporting this material are about 100 clippings from newspapers in many different countries, to show the public interest in strange things flying through the sky.

Credit for acquiring and assembling this material goes to Jan Aldrich, an active member of NICAP in the 1960's. In the 1990's, after a career in the U.S. Army, he returned to the fray and resumed his position as one of the top researchers. His initial project was the 1947 wave, for which he criss-crossed the USA to study hundreds of newspapers not covered in Ted Bloecher's "The UFO Wave of 1947", published by NICAP. Aldrich's work has expanded the number of known sightings in the summer of 1947 from 700+ to more than 1,500. And added large chunks of the globe to the scope of the wave.

He has brought this same intensity to his study of the Ghost Rockets, and to his work as the leader of Project 47, a small group of historians concentrating on the early days of UFOs. Little by little, the inside story of UFOs prior to 1947 is being revealed.

You are invited to contact Aldrich directly with additional information on the Ghost Rockets: www.iuforg.org or jan@CYBERZONE.NET

Hicksville, N. Y.
Jan 4, 1949

Dr Lincoln LaPaz
Univ. New Mexico
Albuquerque, N. Mex.

4

Dear Sir,

During an Air Transport Command flight from Santa Maria, Azores, to Paris, in Jan., 1946, I witnessed the fall of a meteorite, an account of which I have often thought might be of interest to astronomers, and in particular, those of you more particularly concerned with the study of meteoritics. Until I read a recent issue of Science Illustrated I had not known to whom I might direct such a report.

Sitting in the cockpit of an airplane for hours at night a pilot sees many meteors fall; but on this night I saw one fall which I have not forgotten because of the unusual nature of the fall.

Our position was approximately midway between Brest and Paris; more exactly, I would estimate between 65 and 70 nautical miles due south of Cherbourg. As I recall now, the time was about 23:00 G. M. T. on Jan. 18, 1946. I was alone in the cockpit of a C-54 type plane at 10,000 ft. altitude, above broken clouds whose tops ranged between 4,000 and 5,000 ft. The sky was crystal clear. We were flying in the direction of Paris.

The meteor first appeared to me at an altitude of about 35° above the horizon. It fell (apparently) from the north at an angle of perhaps 10° or 25° from the vertical. It did not explode. Its intense brilliance persisted until it met the horizon at a point bearing 85° to 90° true from my position. This would put its point of contact with the earth somewhere on a line between Brest and Kiev (roughly). A split second after disappearing at the horizon, the meteorite reappeared above the horizon, describing a tiny hyperbola of perhaps 1° altitude and fell again from the north. The reappearance of the meteorite was like a ricochet or rebound. The elapsed time of the fall and reappearance was perhaps 2 or 3 seconds.

My log book also shows night flights over this route on Feb 12, 1946; March 22, 1946; and May 19, 1946; but I feel about 95% certain that the incident occurred on the night of January 18th., 1946. Otherwise the account is accurate to the best of my knowledge and memory.

I should be interested to hear if you have knowledge of a meteorite which fallen at the time and in a location which may fit the account I have given. Also, please let me know if I may be of further service to the Institute of Meteoritics.

Yours truly,

Attached comments by Dr Lincoln LaPaz
Director, Institute of Meteoritics, Univ. of N. M.

DIVISION OF
COMMUNICATIONS AND RECORDS
TELEGRAPH DIVISION

DEPARTMENT OF STATE

AC 12-A. PY

INCOMING TELEGRAM

West
file

ACTION: LUL

INFO:

S
U Paraphrase before com-
C municating to anyone.
A-R
FC
DC/R

3431

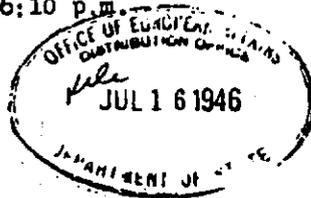
Stockholm

Dated July 11, 1946

Rec'd 6:10 p.m.

SECRET

NAP 760050



1130, July 11, 6 p.m.

For some weeks there have been numerous reports of strange rocket like missiles being seen in Swedish 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. No sound 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 Swedes. Eyewitness reports state missiles came in from southerly direction proceeding to northwest. Six units Atlantic fleet under Admiral Hewitt arrived Stockholm this morning. 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 connection

with Soviet pressure

SECRET

858.00/7-1146

L.L.
Confidential File

FILED

JUL 17 1946

12-B.

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

CAD

SECRET

DECLASSIFIED
 Authority AWD 7550 10
 By MM NARA Date 2/29/97

REPRODUCED AT THE NATIONAL ARCHIVES

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 21*

WAR DEPARTMENT
 CLASSIFIED MESSAGE CENTER
 INCOMING CLASSIFIED MESSAGE

Rew

TOP SECRET

URGENT

TOP SECRET FIE

PARAPHRASE NOT REQUIRED. HANDLE AS TOP SECRET
 CORRESPONDENCE PER PARAS 51(1) and 60(a) AR 380-5

From: USMA Stockholm, Sweden
 To: War Department for MILID
 Nr: 1042

16 July 1946

A-1	<input checked="" type="checkbox"/>
A-2	<input checked="" type="checkbox"/>
A-3	<input checked="" type="checkbox"/>
A-4	<input type="checkbox"/>
A-5	<input type="checkbox"/>
CAS	<input checked="" type="checkbox"/>
AAG	<input checked="" type="checkbox"/>
ReMay	<input checked="" type="checkbox"/>

Swedish Army Staff studying 300 to 400 rocket incidents Ref your WAR 94001 of 12 July. They advise: 6 phenomena have been observed to explode in the air, up to 50 points of impact observed. No evidence of radio control and Army Staff believes phenomena not radio controlled. Defense Research Institute studying fragments but key personnel on leave and report being delayed therefore. No large fragments yet found and small fragments appear to be nonferrous. Aften Bladet states Russians have established research base with Staff of German scientists on Dago Island off Estonia. (Staff checking basis of this report) Staff has rather tenuous hypothesis to support this as follows:

Two circular rocket courses both with radius of approximately 300 kilometers and centres respectively, in the 56-57 N latitude, and 19-20 E longitude quadrangle and the 61-62 N latitude, 21-22 E longitude quadrangle with rockets launched from Dago clockwise on both courses. This theory accounts for only portion of incidents. Staff has not yet processed all reports. Some highly placed officials believe phenomena are Russian rocket experiments either purely for research or for War of Nerves. Staff very nervous about release of info to United States and United Kingdom for fear Russians will cry "West bloc". This office urges greatest protection this information. Detailed report by next pouch also later followup on ultimate findings.

ACTION: Gen Chamberlain End.
 INFO : Gen Spaatz, Gen Norstad, Gen Aurand

GM IN 3219 (16 Jul 46) DTG 160900Z 46

GEN. McDONALD

TOP SECRET

105547

GEN. EVEREST

COPY NO. 22

EXACT COPY OF THIS MESSAGE IS FORBIDDEN

HEADQUARTERS ARMY AIR FORCES

ROUTING AND RECORD SHEET
SECRET

①

TALLY NO.	
FILE NO.	

SUBJECT: Reports of "Rocket" Sightings over the Scandinavian Countries

TO: AC/AS-2

DATE 22 Jul 46

8

FROM: Deputy Commander, AAF

COMMENT No. 1

ICE/mw/337B

Noted by General Spaatz and the undersigned with interest.

JCE

I.C.E.

Incl-

Memo for CG, AAF, from AC/AS-2
(w/incl) dtd 19 Jul 46

IRA C. EAKER,
Lt. Gen., U. S. Army,
Deputy Commander, Army Air Forces.

*2-2 files
e.g. Dowd
Lt Col. A.C.
8/17/46*

X 471.94 Sweden

471.94 Products

*AFBIN-3A
Col Dowd
per MKA*

SECRET

SECRET

HEADQUARTERS, ARMY AIR FORCES
WASHINGTON

19 JUL 1946

SECRET

By Authority of
The Commanding General
Army Air Forces



19 Jul 46
Date

gmc
Initials

MEMORANDUM FOR COMMANDING GENERAL, ARMY AIR FORCES

SUBJECT: Reports of "Rocket" Sightings over the Scandinavian Countries.

1. For your information, the following reports of rockets or missiles in the Scandinavian area have been received in cables from Military Attaches and State Department representatives in foreign countries and in news dispatches:

a. News items concerning "rockets" over the Scandinavian peninsula have appeared sporadically since early June 1946. The chronological sequence of reports is as follows:

- (1) 10 June 1946 - Helsinki, Finland. A light-emitting "ghost rocket" was observed flying at an altitude of 900-1200 feet. The missile left a trail of smoke in the sky.
- (2) 12 June 1946 - Helsinki, Finland. The Finnish News Agency, quoting the Helsinki Astronomical Institution, said the "ghost rocket" was a meteor.
- (3) 10 July 1946 - Stockholm, Sweden. "Shining missiles" had been observed traveling at great altitude and high speed and had caused speculation by the newspaper, Aftonbladet, that the Russians were conducting rocket experiments on Baltic bases. One missile was alleged to have fallen and exploded Tuesday, 9 July, near the town of Sundsvall, which lies on the west coast of the Gulf of Bothnia approximately 390 miles west of the nearest Russian territory.
- (4) 15 July 1946 - London, England. The London Daily Mail quotes a dispatch from Geneva which stated that a strange object sighted over the Rhone Valley touched off conjecture that the Russians are testing flying bombs over the Alps. It stated further that rocket missiles, which have fallen recently in Sweden, are V-weapons from Peenemunde (former German center for guided missile research now under Russian jurisdiction). In closing the article stated that all sailors on the Baltic run had been warned, under the penalty of death, not to talk about any phenomena observed. Russia is reported to be closing a huge area in the Baltic to all traffic.

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- (5) 15 July 1946 - Oslo, Norway. A "big fire-ball" followed by a trail of smoke was observed moving through the sky over the Norwegian village of Moss on Oslo Bay. The altitude of the missile was estimated to be 4000 feet.

b. Military Attache reports and State Department cables which focus attention of "rockets" in the Scandinavian area began to arrive during the latter part of April 1946. Extracts from these communications are given here in chronological order.

- (1) 25 April 1946 - Military Attache, Denmark reports earth tremors on the islands of Bornholm and Ystad, Sweden. The tremors were thought to be the result of Russian naval maneuvers. It was noted that Danish Intelligence reports no Russian naval maneuvers at this time.
- (2) 13 May 1946 - Military Attache, Finland quotes a B-1 source which reported a "rocket" observed traveling in a south-westerly direction over Helsinki at an altitude of 1000 feet. It was alleged to have moved at a superconic speed, emitting a magnesium-like light and a trail of smoke.
- (3) 24 May 1946 - Military Attache in Sweden and Denmark quote an observer who reported V-bombs flying southwest over Landskrona, Sweden. Altitude of the missiles was 1000 feet.
- (4) 14 June 1946 - Military Attache, Finland quotes a B-3 source who stated that Russian experimental stations in Latvia and Estonia were launching rockets.
- (5) 17 June 1946 - Military Attache, Finland states that there was "no evidence whatsoever of Finland's developing guided missiles".
- (6) 24 June 1946 - Military Air Attache, Stockholm, Sweden, reports no explanations can be given for the 25 April earth tremors but that the Swedish Army does not connect them with V-bomb sightings. Approximately ten apparently patternless V-bomb sightings have been reported between 23 May and 8 June, the missiles reported traveling from northeast to southwest over southern Sweden. These missiles were reported as being cigar-shaped, about the size of a small airplane. They were flying at an altitude of 100 to 1,000 meters and were accompanied by a continuous ball of fire with intermittent

- 2 -

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flashes of fire about every ten seconds. Swedish astronomers dismiss the meteor theory but the Swedish Army is at a loss to account for them officially or otherwise and have alerted the military districts to observe and report promptly any further sightings.

- (7) 12 July 1946 - State Department Cable, Stockholm, Sweden states in part, "On Tuesday afternoon, 9 July, a member of the Legation saw a rocket-like missile. It seemed to be falling rapidly toward the earth and no sound of explosion was heard. On the same afternoon another landed on the beach near Stockholm. No damage was caused. The press reports that military authorities are now studying fragments. According to a local scientist, the first inspection indicated that the fragments contained an organic substance which looked like carbide. The press announced that a missile fell at 1430 11 July in a suburb of Stockholm.

"The Swedes claim that they do not know the purpose, character, or origin of the missiles, but they definitely state that the missiles did not originate in Sweden. According to eyewitnesses, the missiles were heading in a northwest direction.

"If the missiles are of Russian origin, as believed generally, (according to some reports they come from Estonia), their purpose might be of a political nature to intimidate the Swedes in connection with Russian pressure on Sweden for current loan negotiations or possibly to offset the supposed increase in US military prestige in Sweden".

2. An American civil engineer, returning from Russia, reports that hundreds of Russian "tourists" are arriving and settling in the Aland Islands. These islands lie in the mouth of the Gulf of Bothnia between Finland and Sweden.

3. A report from Finland, dated 26 June 1946, bearing an F-3 evaluation, states that a V-bomb was observed recently over Helsinki. The bomb was believed to have been launched from the Porokkala area which is located 20 miles southwest of Helsinki on the Baltic seacoast. Recent maps indicate that this area is territory which belongs to Russia although it is a portion of the Finnish mainland.

- 3 -

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4. Due to the lack of conclusive evidence and the variety of reports, it is difficult at this time to reach any definite conclusion as to the origin of these reported missiles but the following are significant:

a. The statement of the Helsinki Astronomical Institution disclaiming the possibility of the object sighted 10 June 1946 being a rocket appeared with such promptness as to incite suspicion that Russian influence on the press was making itself evident.

b. The possibility that the objects may have been a meteor is lessened by a report from the United States Naval Observatory stating that no meteor showers were predicted for the Scandinavian area between 4 May and 28 June 1946.

c. The Russians may be launching rockets from sites in Estonia or Latvia.

d. The presence of Russian "tourists" in the Aland Islands has not yet been explained but it is conceivable that the Russians intend to establish an area similar to Peenemunde on the islands.

e. The additional possibility that the Russians intend to impress the outside world with their potentialities by deliberately firing missiles over the Scandinavian area must not be overlooked.

5. Until more complete reports covering the Scandinavian rocket situation are available, conclusive statements pertaining to their origin, appearance, characteristics and purpose cannot be made.

1 Incl
Map of
Scandinavian
countries

George C. McDonald

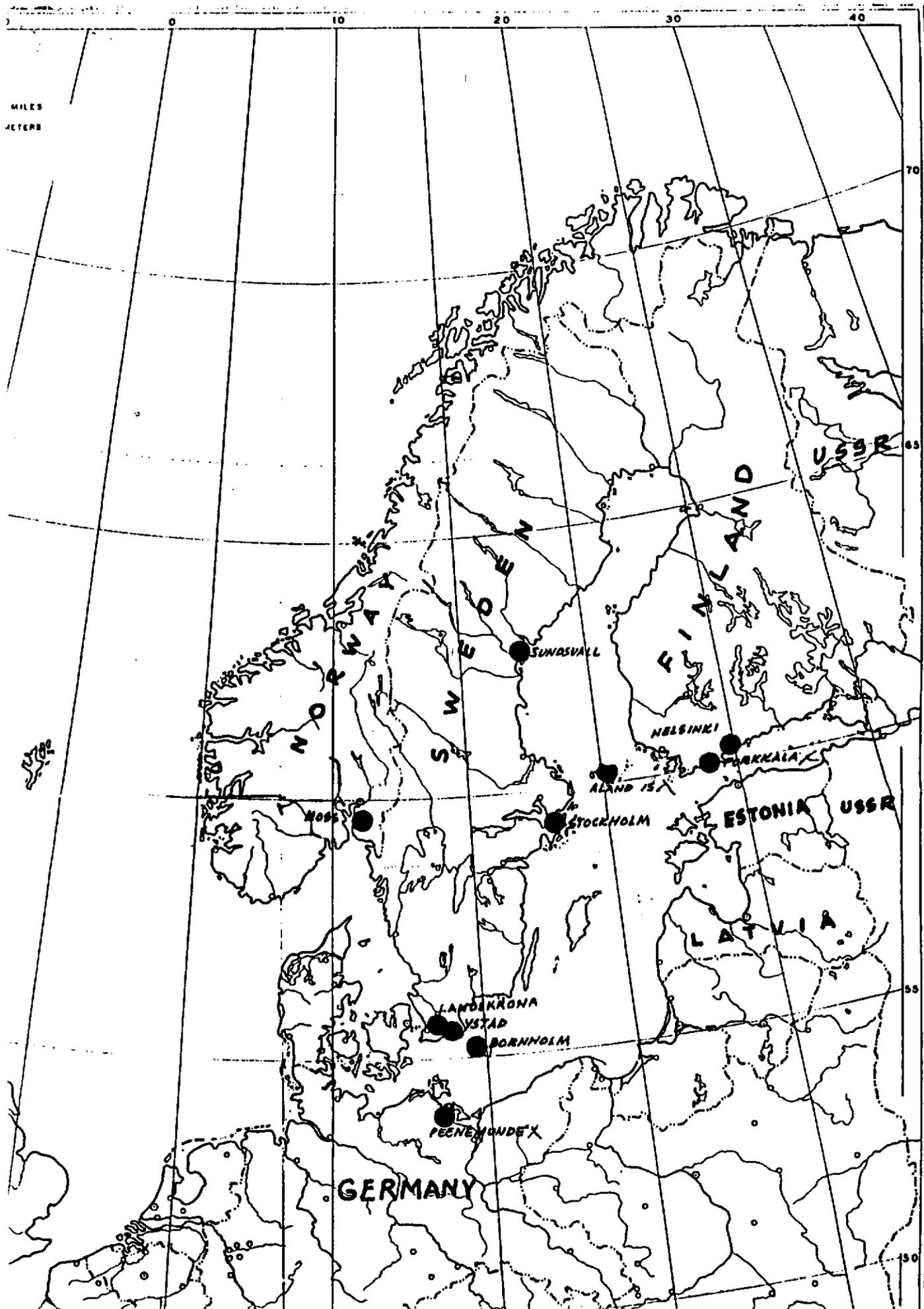
GEORGE C. McDONALD
Major General, U. S. Army
Assistant Chief of Air Staff - 2

cc: General LeMay
General Partridge

- 4 -

SECRET

x possible Launch Sites



R. Segreteria di Stato

AF
TELESPRESSO N. 1982/1
REGISTRATO

AP

UFFICIO TELESPRESSO
MINISTERO ESTERI
1.6 AGO 1946
27.000
64814877
DI

Ministero Affari Esteri
ASSEGNAZIONE
6
Roma

14

Suoccolma 31 Luglio 1946

Oggetto: Bombe fantasma.

Riferimento: Mio teletspresso N.1939/1084 del 26 Luglio u.S.

5

Testo: La cronaca del continuo avvistamento delle così dette "bombe fantasma" suggerisce ad alcuni organi della stampa svedese delle ipotesi circa la Potenza che esegue i lanci di cui trattasi ed i motivi che la spingono a farlo.

Il "Morgontidningen", ad esempio, dopo aver rilevato che sembra accertato trattarsi di proiettili radio-controllati, si domanda come mai i lanci avvengano sopra il territorio svedese da cui essi possono essere facilmente avvistati e studiati invece che su territori appartenenti al Paese che conduce gli esperimenti il che assicurerebbe il segreto sugli esperimenti stessi.

Da questa premessa il giornale fa scaturire l'ipotesi che tali proiettili siano lanciati deliberatamente sopra la Svezia in modo da renderli visibili agli svedesi e ciò allo scopo di dimostrare che si conducono esperimenti su armi segrete in altri luoghi che nel Pacifico e che ci sono altre armi segrete oltre la bomba atomica.

In altre parole, secondo il giornale, la Potenza, che ne viene nominata ma che non può essere altro che l'Unione Sovietica, procederebbe al lancio di questi proiettili fantasma con scopo non sperimentale ma intimidatorio.

Soefice 1

Ballard

~~TOP SECRET~~

UNCLASSIFIED

15

1 August 1946

MEMORANDUM FOR THE PRESIDENT

Subject: "Ghost Rockets" over Scandinavia

1. Since 25 May there have been occasional press reports of "ghost rockets" seen passing over points in Sweden. On 19 July two such "rockets" were reported to have fallen in Norway. The Swedish and Norwegian Governments have now imposed a news blackout with respect to the subject.

2. Official sources, principally the Military Attache at Stockholm, have confirmed these reports and obtained additional, but inconclusive, information. Although ten such missiles have fallen within Sweden, the Swedish General Staff has as yet been unable to reach firm conclusions on the basis of the fragments recovered.

3. From the information presently available, the Director of Intelligence, WDGS, has concluded that:

a. The missiles are of the jet-propelled V-1 type (rather than rockets).

b. They contain only small demolition charges (for self-destruction) rather than a warhead.

c. They outrange the V-1. This result could be achieved by construction from light, non-ferrous materials, and by the substitution of additional fuel for the heavy warhead. It could also be achieved by the use of a turbo-jet engine such as the Germans were developing at the close of the war. German scientists in Soviet employ are capable of completing this development, and the characteristic noiselessness reported supports the supposition of its use.

d. Their course is apparently controlled, either by radio or pre-set controls. (Turns and circular courses have been indicated).

e. Their launching from some Soviet-controlled point

AND 750065
JST
Aug 20, 1946

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~~TOP SECRET~~

UNCLASSIFIED

16

in the vicinity of the Gulf of Finland is probable.

4. Since the interior of the U.S.S.R. affords areas suitable for extensive and undetected experimentation, the launching of these missiles over Scandinavia must be a deliberate demonstration for political effect. In this, the Soviet objectives might be:

a. Intimidation of Sweden and Norway, by a demonstration of their vulnerability to attack with such missiles.

b. Intimidation of Great Britain, by demonstration of the vulnerability of the United Kingdom to such attack from continental areas which the Soviets now control or are capable of seizing.

c. Intimidation of the United States by a demonstration of Soviet capabilities for the scientific development of new weapons.

FOR GENERAL VANDENBERG:

E. K. WRIGHT
Colonel, GSC
Executive to the Director.

~~TOP SECRET~~

DECLASSIFIED
Authority *AWD 7550 10*
By *MM* NARA Date *2/29/97*

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WAR DEPARTMENT
CLASSIFIED MESSAGE CENTER
OUTGOING CLASSIFIED MESSAGE

TOP SECRET

PARAPHRASE NOT REQUIRED. HANDLE AS TOP SECRET
CORRESPONDENCE PER PARAS 511 and 60a AR 380-5

Collection Group/Intelligence
Division/WDGID/ECGE/vm
Lt Col Edwards 6711

7 Aug 46

MILATTACHE AMEMBASSY, London England
MILATTACHE AMEMBASSY, Stockholm, Sweden
Number: WARE 96774

Signed Chamberlain

MC 6184

A-1	<i>ly</i>
A-2	
A-3	✓
A-4	
A-5	
CAS	✓
AAO	✓

Agreement reached between Winsell Keuler subject guided
missiles Sweden re London cable 70872 is in accord with War
Department wishes.

End.

Note: 70872 is CM-IN-1392 (7 Aug 46)

ORIGINATOR: Gen Chamberlain

DISTRIBUTION: AAF Gen Spaatz, P&O Gen Norstad.

CM-OUT 96774 (August 46) DTG 072119Z fw1
GEN McDONALD

TOP SECRET

GENERAL INVEST

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Authority NND 755010
By FB NARA Date 28/7/97

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WAR DEPARTMENT
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OUTGOING CLASSIFIED MESSAGE

GEN. HOOD
COL. CULTON

SECRET

PARAPHRASE NOT REQUIRED. HANDLE AS SECRET CORRESPONDENCE
PER PARAS 51 (1) and 60 (a). AR 380-5.

Hq AAF AC/AS-2 5613
General McDonald/dl

12 August 1946

MILATTACHE AMEMBASSY, London, England

Number: WAR 97392

For Col Jeck Griffith from COMGENAIR signed Chamberlin.

Reference is made to reports in press and other sources as to increased activity of missiles that have fallen in Sweden and vicinity. Has RAF or other British representatives of AI 2-G, ADI-Science, and similar British agencies sent personnel to Sweden for purposes of detailed research and investigation of these activities? All reports and any information pertinent to this subject is desired. Please coordinate above with Col Paul E Todd.

End.

A.F. 85

ORIGINATOR: AAF
DISTRIBUTION: ID
P & O

CM-OUT-97392 (Aug 46) DTG 141510Z JJF

AAF
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INFO
ACB
DRD
ACE

SECRET

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DECLASSIFIED
Authority AWD 7550 10
By MM NARA Date 7/29/97

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pac 15

WAR DEPARTMENT
CLASSIFIED MESSAGE CENTER
INCOMING CLASSIFIED MESSAGE

TOP SECRET TOP

PARAPHRASE NOT REQUIRED. HANDLE AS TOP SECRET CORRESPONDENCE
PER PARAS 51 (1) and 60 (a) AR 380-5

TOP SECRET	
A-2	
A-3	✓
A-4	
A-5	
CAS	✓
AAG	✓

From: CINCPAC Tokyo

To: War Department for WDGPO

Of: C 63884

7 August 1946

In your radio WX-79139 of 28 October 1945, operational plan "olympic" was reduced in classification to restricted with certain excepted portions. In view of JCS radio WX 47190 of 10 August 1945, which cancelled code word "olympic" and substituted code word "majestic", was it the intention of first cited radio to also reduce classification of code word "majestic", to restricted.

End

See WARR 96908 follow

ACTION: Gen Norstad

INFO: Gen Spaatz, Gen Chamberlin, CBA

CM IN 1472

(7 Aug 46) DTG 070641Z eo

TOP SECRET

GEN. MCDONALD

DEAR FWEEREST

16
COPY NO. 05891

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DECLASSIFIED
Authority AWD 7550 10
By MM NARA Date 7/29/97

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WAR DEPARTMENT
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OUTGOING CLASSIFIED MESSAGE

RESTRICTED
PARAPHRASE NOT REQUIRED. HANDLE AS RESTRICTED CORRESPONDENCE
PER PARAS 511 and 60a, AR 380-5

P&O 312.1 TS (7 Aug 46)
Executive Section Plans &
Policy Group Plans & Operations
Div Lt Col James L. Centroll
72736

8 August 1946

CINCAFFAC Tokyo Japan

Number WAR 96908

From WDGPO

Both code words referred to your C 63884 were declassified
by JCS 8 October 1945.

End

NOTE: C 63884 is CM IN 1472 (7 Aug 46)

75. MC-5691

ORIGINATOR: P&O

DISTRIBUTION: AAF, ID, CSA

CM-OUT-96908

(Aug 46)

DTG 082056Z

fd

RESTRICTED

COL (AVC)

AAF

DISI

INFL

~~CCP~~

ACE

ACB

19

COPY NO.

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August 12.

The morning papers on Monday, 12 August report "flood of projectiles" over in central and East Sweden on Sunday evening. Morgon-Tidningen (government) gives report on front page and says, that this is the biggest amount of observations made at the same time by different persons, since phenomena began.

It is reported that the public now begins to take these phenomena seriously and to become afraid of damages which they could do when alighting. Observations were made at 2046 and at 2100. The different reports were alike in describing the sight of the projectile. The projectile passed South-North and developed a strong blue-white light like magnesium. From one place in central Sweden it is reported that a rocket has been seen to fall down after having exploded in the air. No investigations could be made as no exact information was to be had about the place where the rests of the rocket should have fallen down. From one place in central Sweden it is reported that several fiery balls appeared at about 2100, and that they looked like cylinders. At another place, also in central Sweden, a fiery ball was seen exploding, and four light-rings fell down towards a rock. The home-guard of the place is now looking for the rests. Svenska Dagbladet gives the same report and adds report from a lieutenant from the air-force who personally had observed one of these phenomena at 2046. He described it as a long, drop-formed projectile, green in the front part and white on the sides. Its angle of depression was 30-40° and the course probably a parabola. It was difficult to appreciate the distance and speed in the dark, and the observation lasted only 1½ seconds, but supposed that the distance was great, the lieutenant supposed that the length of the projectile was about 20 m.

DECLASSIFIED
Authority NND765054
By R. F. WARA Date 5/29/96

DECLASSIFIED
Authority NND 755010
By FB NARA Date 28/7/97

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23

NO5755 A

AUG 16 11 42 AM '46

16 **GEN. SEARZ** *file 8/19* **DESTROYED**

17 **GEN. EAKER** *file 8/19* **DESTROYED**

18 **GEN. CHAUNCEY** *file 4/19* **DESTROYED**

19 **GEN. WEYLAND**

GEN. PARTRIDGE

GEN. ANDERSON

20 **GEN. MC DONALD**

GEN. HOOD

21 **GEN. EVEREST**

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Aug 16 11 42 z46

16 ~~GEN. SPATE~~ *file 8/19* **DESTROYED**

17 GEN. LAMCH *file 8/19* **DESTROYED**

18 GEN. CHAUNCEY *file 4/19* **DESTROYED**

19 **GEN. WEYLAND**

GEN. PARTRIDGE

GEN. ANDERSON

20 **GEN. MC DONALD**

GEN. HOOD

21 **GEN. EVEREST**

copy to be made of this report

MEMORANDUM

8. The observer net work earlier reported remains restricted to ground observation and the air force has not been called into follow projectiles once located by a ground observer or radar set.
9. No new information as to possible source of the projectiles is admitted by the Swedes. While continuing incidents do not disprove the Dagg circular course theory (M/A Stockholm Report R 278-46, Par. 7) the staff is no longer stressing this theory because of lack of supporting evidence. Major Ahlgren (R 220-46) while admitting that he does not have much factual support for his belief now holds that the increased number of north-south sightings over and south of Stockholm point up to a possible source there.
10. The observations in Stockholm (Saltsjodden) and Uppsala were considered for the purpose of hearing the astronomer's opinion about the appearing sky phenomena. Stockholm Observatory has informed that the great number of observed phenomena indicate that it is several cases cannot be a question of meteors.
11. In the beginning of June the Finnish press stated that observations had also been made in Finland.
12. After the Finnish press had published information about a large number of observations concentrated during the period 9 to 12 June, steps were taken to provide rapidly the Defense Staff with information regarding the observations made in Sweden.
13. A large number of light phenomena were observed over Sweden on 9 July. Through special communiques in the press and radio the Chief of the Defense Staff exhorted the public to report observations. 250 reports were received for the time and later 50 reports were received before 21 July.
14. A comparison has been made of the sources reported for 9 July. As no organized air defense exists at the places where flights have been established to have taken place across certain lines at certain hours, no definite construction of the routes is possible. It, however, appears as if the observations have been made in special courses, the smaller curves with mainly north-eastern direction and one larger curve with chiefly northern direction. It has been possible to establish that a departure with an eastern course across the east coast is common for all. The reports from 9 July mainly originate from central parts of the country. A movement towards north has occurred later. After 9 June to 10 June the Finnish press has not issued any information about light phenomena, with the exception of an incident "feeler" on 16 July.
15. The observations made can be characterized as fire phenomena, either "vividly shining balls of fire with tails", blue-white or blue-green in color, or "silver sparkling oblong items shaped like torpedoes." A number of reports describe the object as a thunder flame. It is remarkable that the observations of "balls of fire with tail" are mainly concentrated to 9-10 July, while the former and later reports chiefly mention the torpedo shape.
16. The phenomena has been observed at various altitudes. The reports also differ in the question of speed. Because of the difficulties in judging these facts it has not been possible to make any definite final conclusion, but it can be a question of rocket projectiles with a speed exceeding that of sound.
17. In some cases and when divided into 5 to 6 "beeping stars" have been

M/A Stockholm R 334-46 13 August 46

Inclusion No. 1.
M/A Stockholm

13 August

DECLASSIFIED
Authority NUD 765054
By R. F. WARA Date 5/29/96

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1. The "spook" rockets continue to be seen over Sweden and new points of impact continue to be reported but Swedish officialdom insists that no fragments other than bits of non-metallic slag have yet been found. According to the press there was a veritable deluge of north-bound projectiles over Stockholm on 11 August at 2100. A great number were observed over middle Sweden earlier in the day. Both egg or bell-shaped fire balls with tails of light and cigar-shaped, aluminium-colored projectiles like air torpedoes were observed. It was reported that one projectile came down in a wheat field; another hit a mountain. A newly-built house in Howland collapsed without apparent reason and the "spook" rockets are suspected.

2. At this writing key officials appear unable to shed new light on the matter and the technical staff are at the moment buried under the mass of reports just coming in on the latest deluge. The Chief of the Defense Research Institute, Overdirektor BJORKESON insisted that Sweden was doing its best to find the objects whose point of impact has been reported and he dismissed the idea that no projectile would be found or would be admitted found because of the political implications. He stated that a mine detector had been used unsuccessfully in the attempt to find the object in the inlet northwest of Kalix (N/A Stockholm radio 1054 dated 26 July) and that another detector had been sent up for this purpose. The inlet will be drained if necessary but the cost this will involve appeared to disturb Bjorkeson.

3. A translation of a secret memorandum from the Defense Staff, dated 7 August is attached (Incl. 1.) to illustrate the type of communique being issued to selected recipients. It contains nothing new except possibly the implication that since the 10th of June there has been a news "black-out" in Finland concerning this subject.

4. Two newspaper photographs of rockets are attached as Incl. #2. Number 1 was published on 8 August in most of the papers. This picture had been earlier reported to this office by a member of the Swedish Army Staff who said that really nothing could be made out. This office believes that the photograph has been touched up. This view is shared by the newspaper "Expressen" which published photograph No. 2 on the afternoon of 8 August with three new spots in the photograph all circled and with the comment that all the spots are not rocket bombs.

5. An Assistant British RAF Attache states that his office has been approached by the Russian Military Attache for information on this subject. The Russian N/A is said to have stated that he has sent newspaper clippings to Moscow but that nothing is known there as to the cause of these phenomena.

6. The U.S. Naval Attache has learned that the LEBA district of Poland (approx. Lat. 54° 40' North, Long. 17° 40' East) has been closed to U. S. observers and that a rocket research station is located there. (Understood to be subject of N/A and N/A Poland reports.)

7. A member of the Swedish Army Staff states that one projectile was tracked for several miles by a range finder. Location of incident was coast south of Stockholm. Projectile was tracked on an East-west course at range of 20 kilometers. Source was vague about details and further queries will be made concerning this incident and covering instances of radar tracking of projectiles (both coastal warning and AA radar.) which he stated had taken place. This office has just this date obtained permission to interview the "experts" and will attempt to obtain detailed technical data including radar tracks if these have been photographed.

N/A Stockholm

N/A Stockholm

R 334-46

13 August 46
13 August 46

DECLASSIFIED
Authority NWD 765054
BQ. Rec. WARA Date 5/29/96

MEMORANDUM

1. Attention was first drawn to the occurrence of peculiar light phenomena over Sweden on 23 May, partly through statements in the press, partly through civilian observers who reported their observations to us. Approximately 30 reports were received during the period 23 May to 6 July. The statements were compared, but the limited number of reports, which also were incomplete, provided no possibilities of judging the importance of the events. Reports have also later been received regarding light phenomena observed on 25 April under the local conditions so great observations were made.
2. The observatories in Stockholm (Saltsjöbaden) and Uppsala were consulted for the purpose of hearing the astronomers' opinion about the appearing sky phenomena. Stockholm Observatory has informed that the great number of observed phenomena indicate that, in several cases, cannot be a question of asteroids.
3. In the beginning of June the Finnish press stated that observations had also been made in Finland.
4. After the Finnish press had published information about a large number of observations concentrated during the period 9 to 10 June, steps were taken to provide rapidly the Defense Staff with information regarding the observations made in Sweden.
5. A large number of light phenomena were observed over Sweden on 9 July. Thru special communiques in the press and radio the Chief of the Defense Staff exhorted the public to report observations. 250 reports were received for the time and later 50 reports were received before 21 July.
6. A comparison has been made of the courses reported for 9 July. As no organized air defense exists at the places where flights have been established to have taken place across certain lines at certain hours, no definite construction of the routes is possible. It, however, appears as if the observations have been made in special courses, two smaller curves with mainly north-eastern direction and one larger curve with chiefly northern direction. It has been possible to establish that a departure with an eastern course across the east coast is common for all. The reports from 9 July mainly originate from central parts of the country. A movement towards north has occurred later. After 9 June to 10 June the Finnish press has not issued any information about light phenomena, with the exception of an insipid "feeler" on 16 July.
7. The observations made can be characterized as fire phenomena, either "vividly shining balls of fire with tails", blue-white or blue-green in color, or "silver sparkling oblong items shaped like torpedoes." A number of reports describe the object as a thermos flash. It is remarkable that the observations of "balls of fire with tail" are mainly concentrated to 9-10 July, while the former and later reports chiefly mention the torpedo shape.
8. The phenomenon has been observed at various altitudes. The reports also differ in the question of speed. Because of the difficulties in judging these facts it has not been possible to make any definite final conclusion, but it can be a question of rocket projectiles with a speed exceeding that of sound.
9. In some cases explosions divided into 5 to 6 "shooting stars" have been observed on the course.

Enclosure No. 1.
M/A Stockholm

R 334-46

13 August

DECLASSIFIED
Authority NUD765054
BR. Freedman Date 5/25/96

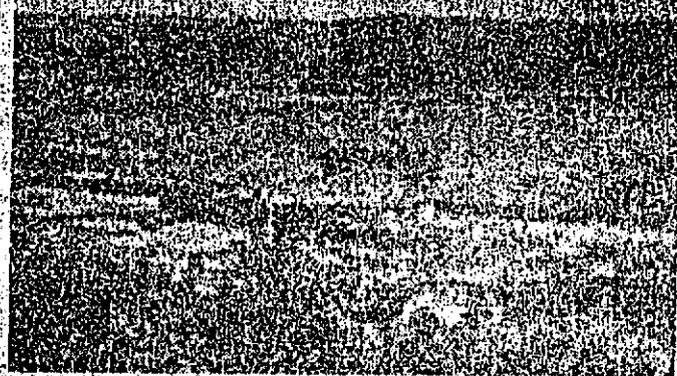
i bild.

August 6

10. Several ground impacts have been observed. Up to the present no fragments of metal have been found, such as was the case with V1 and V2. Discovery of slaggy appearance has, however, been seen in from about ten places where it is believed ground impacts have been observed. Analysis is carried out at the Defense Research Station. Up to the present the analyses have, however, only resulted in showing that the discoveries have been identified as well-known products without connection with the phenomena of the nature in question.

11. The investigations at the observed ground impacts in Upper Norrland have not yet given any result. Considering the local conditions no great expectations of finding fragments which could lead to reconstruction of the projectiles should be entertained.

12. As no ground impacts that could give any conception of what kind of weapon it is have been found up to the present, the work has been aimed at trying to find out partly the course of the phenomena over Swedish territory, partly whether the projectiles are subject to any kind of in-air explosion.



As far as the course of them goes in a curve via or into the Bal- with a self-destruction nothing has been lighted in Sweden.

Photograph of what is shown has been taken by optical object. Text that are given in in a car saw yesterday with a whizzing sound a ground. The persons observations were made

Rapporter om iaktagna spökprojektiler läggs in till försvarstaben allt vidare. På experthall anser man att hertallet av projektilerna kommer söderifrån och slår ned i Östersjön eller Botniska viken, väder de inte rest av återvänder till startplatsen. Hjäromdagen hörde några bilister ett kraftigt vimlande ljud och upptäckte ett föremål

som kom ned mycket hög hastighet strax framför bilen på endast några meters höjd över marken och med riktning söderut. En semesterrifare har lyckats fånga en projektil med sin kamera och resultatet ses här ovan. En ring har blivit runt det mystiska föremålet. Se vidare artikel på sidan 7.

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NO. 100002

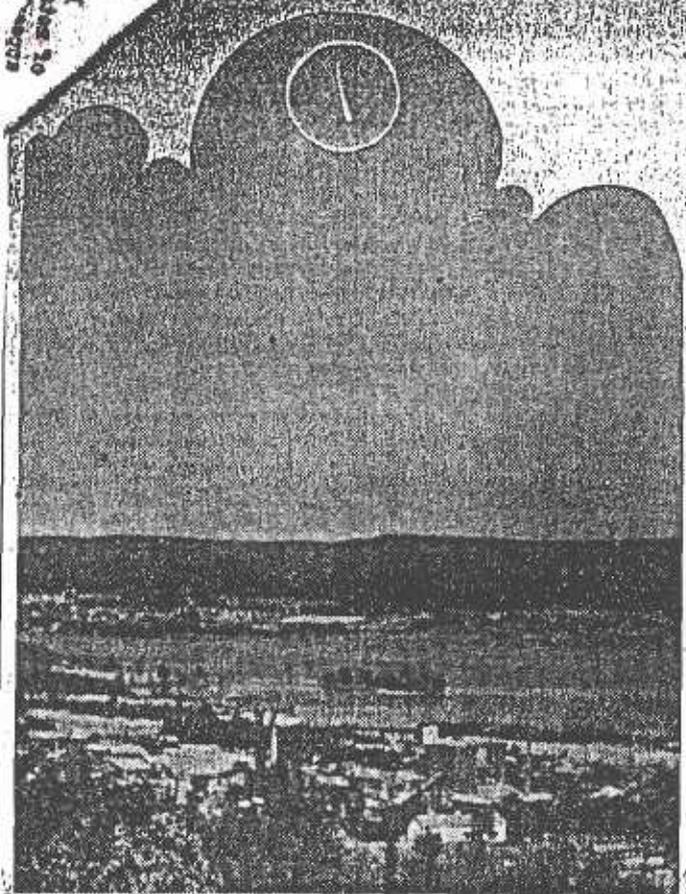
Enclosure (13) to N. A. Sillman Report
No. 35-S-46, dated 16 Aug. 1946

DECLASSIFIED
Authority NND765054
By R. F. WARA Date 5/29/96

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August 8

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so give report about but add, that one of a projectile with eciated its height that this confirms part of the phenol lieutenant Näckman fully measurable. thinks it must have

al report, that it ral reports concer- urse, in some cases an V 1 and some like nt as far as the ones f them pass in a cure nia or into the Bel- with a self-destroy- nothing has been ighted in Sweden.

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Se vidare artikel på sidan 7.

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CONTROL
NO. 3042

Enclosure (B) to H.A. Stenham Report
No. 35-S-46, dated 16 Aug. 1946

DECLASSIFIED
Authority NND765054
By: [unclear] Date 5/25/94

DECLASSIFIED
Authority *NND 755010*
By *KB* NARA Date *28/7/97*

20 Misc

WAR DEPARTMENT
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28

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PARAPHRASE NOT REQUIRED. HANDLE AS TOP SECRET CORRESPONDENCE
PER PARAS 51 (1) and 60 (a). AR 380-5.

G-2/Intelligence Division
Scientific Br/Intel Gp/
WDGID, 6196, Mr John F. Jackson

15 August 1946

MILATTACHE, AMEMBASSY, Moscow, Russia

Number: WAR 97694

Signed Chamberlin, rour 50682.

Missiles variously reported coming from Dago Island in
Baltic or near that location in Estonia or Latvia or from
locations in occupied Germany such as Peenemuende position
on eastern Baltic coast seems more probable but good evidence
lacking and almost no data available.

A-1	<i>ly</i>
A-2	
	<i>✓</i>
	<i>✓</i>

End.

Note: 50682 in CM-IN-2871.

ORIGINATOR: General Chamberlin

DISTRIBUTION: General Speatz
General Norsted
CSA

CM-OUT-97694 (Aug 46) DTG 161900Z JJF

GEN. McDONALD

TOP SECRET

GEN. NORSTED

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COPY NO 5768

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Authority NND 755010
By FB NARA Date 28/7/97

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MO5768

Aug 16 20 6 00 46

16 ~~GEN. EAKER~~ DESTROYED

17 GEN. EAKER DESTROYED

18 GEN. CHAUNCEY DESTROYED

19 GEN. WEYLAND

20 GEN FARBRIDGE
GEN. ANDERSON
GEN MC DONALD
GEN. HOOD

21 GEN. EVEREST

DECLASSIFIED
Authority NWD 755010
By FB NARA Date 2/8/77

REPRODUCED AT THE NATIONAL ARCHIVE

WAR DEPARTMENT
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INCOMING CLASSIFIED MESSAGE

GEN. HOOD
COL. GULTON

30

MESSAGE TYPE

PARATYPER NOT REQUIRED. HANDLE AS SECRET
CONTRIBUTOR: MR TAMES 517 and 604. AR 380-5

From: FMIA, Moscow, Russia and London
To: War Department, 1160 Chambers St, 1001, Sweden;
FMIA, 1160 Chambers St, 1001, Sweden;
FMIA, 1160 Chambers St, 1001, Sweden;
Re: AR 50682 13 August 1946

Recent radio reports emanating from Sweden and Finland regarding overland passage "winged missiles" lead belief Soviets probably launching rockets or jet-propelled projectiles for test purposes, from Soviet territory. Would appreciate any intelligence which would enable us determine source launchings.

End.

ACRUCG: ED

INFO : AAF, A-5, A-2, DC/AS for Research & Development, Office of Public Relations.

014-00-2071

11 Aug 46 1031 131119Z

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SECRET

COPY NO. 44

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August 15.

31

The morning papers on Wednesday report, that the searching for the bomb which had been seen to alight in a small lake in Norrland, had now been stopped without result. Some objects were found and sent to the military authorities on Wednesday, 2 small copper plates and a screw about 11 cm long. None of the objects could possibly have anything to do with the projectiles, as they must have been lying in the earth for a long time. A third finding is reported from Norrland which is on its way to the military authorities.

Svenska Dagbladet summarizes the actual situation by saying that the enormous flow of observations that had been reported to the authorities since Sunday, had on Wednesday not yet given any clue to prove that they really were projectiles. The screw which was found in a place where a projectile had been supposed to alight was made of bronze or brass and was much too thick and old to have belonged to a projectile. It might for example have fallen out of a harvesting machine, and the photographer who took a snap of it could easily fit it into the hole for the stand of his camera. The bits of copper which were found by some playing children and examined by a military expert, look old and show no marks of having hit the ground.

Four persons observed a projectile in central Norrland on Tuesday at 1130. They heard a strong hissing sound in the air and, when looking up, saw an object which was like a small plane at a height of some hundred m. The object had a short body without a tail and two small winglike things on the sides. It came rushing through the air at an enormous speed and at a downward angle of about 65°, and disappeared into the lake. The weather was clear and the four persons declare that they are quite sure about their observation.

Three big "ghost-rockets" were observed in the South of Sweden on Tuesday night. The first of them appeared at 2215 and shone red, the other two were shining white. The interval between them was exactly 5 minutes, their direction was South-West and the course horizontal. Their speed is said to have been several times the top-speed of a modern plane. No sound was observed.

The Swedish Prime Minister when interviewed said that it has not been possible, up to now, for the government, to make any demarche at the legation of any foreign power, as it has not been proved yet what the objects are or where they come from.

One more Danish observation is reported by TT from Struer in Denmark, where a shining object was observed on Monday night, moving from North-East to South-West. It was supposed to be a rocket projectile. When right over the town, it exploded with a strong light.

One person near Sundsvall observed on Wednesday suddenly a noise of something that came rushing through the air. The noise became louder and suddenly he heard a bump of something falling down. It was some slag-like stuff, the quantity was about 10 dm³. It was raining at the time, so that a projectile at great height would have been impossible to observe. The "slag" has been sent to the nearest military research station for examination.

Two persons observed a cigar-formed and aluminium-colored object in central Sweden, on Wednesday. There was a strong light coming from the stern, but no smoky tail. The object was moving quietly and rather less quickly than an aeroplane. It was visible for some minutes.

Please turn over !

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~~TOP SECRET~~

16 August 1946

4. Although sightings of brilliant light phenomena over Stockholm on 11 August created a great furor in the Swedish press and considerable concern among the Swedish public, the Swedish Air Force has not called back its officers from their summer leave, and the Swedish aircraft warning net has not been mobilized to spot reported missiles. Considering the fact that hundreds of reports from all over the country have described cigar-shaped missiles with fiery tails at altitudes low enough for interception by Swedish jet-propelled aircraft, this apparent unconcern and lack of sustained energy on the part of the military organization is peculiar. Since Sweden has no other proving ground than its own country and adjacent waters...

5. Since the Swedish Defense Staff obviously wishes us to believe that the reported objects are rockets, yet is taking no defensive precautions, and since they cannot or will not show us any evidence to support their declared belief, there are several possible explanations which should be considered. Each of these hypotheses will be presented in turn, together with any considerations which might cast any light on the subject. The Swedish Defense Staff reports officially that these objects have been tracked both by radar and by fighters. In view of this, their lack of action is peculiar.

Case 1. Rockets of Russian Origin. The British are extremely worried that the Russians might be launching rockets over Sweden in order to pressurize the Swedes in connection with the proposed Russian-Swedish trade agreement, or to frighten them away from any consideration of joining a Western Bloc. Another motive would be the demonstration of a new weapon to answer our atomic bomb demonstrations. A lesser consideration would be the testing of rockets over a neutral country, as Germany did with the V-2 rockets. Arguments against this theory are that the reported ranges (1000 km) are far in excess of those for any known rocket to date for the flat trajectories described (two or three hundred meters for a cigar-shaped rocket thirty feet long over central Sweden.) This would indicate a new propellant and a far more efficient control system than the best German rockets; it is therefore doubtful that Russia would risk giving away such a secret by launching it over Sweden at altitudes low enough for it to be shot down by Swedish jet fighters. The Swedish communist press ridiculed this idea, pointing out that no evidence of any kind had been found, and that Russia had all of Siberia to test her rockets. The Russian Military Attache in Stockholm also asked the British Assistant RAF Attache for information on the subject. (Paragraph 5, Enclosure (A)). The main reason against the theory of Russian origin is the lack of any tangible evidence. However, the Swedes may be concealing any such evidence which they may have, even though they stated emphatically that they have no such evidence. The motive of such conduct would be to avoid trouble with Russia. rocket tests, this could be justified later on the grounds of national security.

Case 2. Rockets of British Origin. However, The British Assistant RAF Attache stated that he believed the reported objects were rockets, and has made a financial wager that tangible evidence will be found. He also stated that he would like to "plant" a false clue to worry the Russians, giving a purported course indicating that rockets had been launched from Denmark or British-occupied territory.

The U.S. Military Attache in Stockholm reported that the British are extremely worried about the European situation, and that after a recent visit to his former bomber base in England he found it fully operational, even to the fire-trucks. It is known that the British are worried about our demobilization and would like to keep us armed for the blowup which they expect to occur with the Russians. This would be one way to alert us. It would be possible for the British to launch air-borne rockets over the Kattegat, set to cross over Sweden and fall into the Baltic. However, it is doubtful if the British would embark on such an undertaking because of the risk of disclosure either to us or to the Russians. Furthermore, a strong protest could be expected from Sweden. Again there is the fact that the Swedish Defense Staff is peculiarly inactive and unconcerned, while the British are reported by reported by M.A. Stockholm to be extremely worried about the matter, and to have offered, or are offering, two of their best search radar sets to help the Swedes track down the rockets.

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~~TOP SECRET~~
TOP SECRET

16 August 1946
16 August 1946

34

(a) That the Swedish Defense Staff knows the origin of these missiles and is not worried about them.
Case 3. Rockets of Swedish Origin.

While there are no known examples, it is probable that Sweden, which recovered the first V-2 rocket and has personnel and resources capable of designing and producing rockets, is engaged in a thorough development program of guided missiles, which are the most outstanding defensive weapon recently developed. It is possible that experimental Swedish rockets have been seen and reported by Swedish observers, but that the Defense Staff wishes to conceal the details of its own rockets. Since Sweden has no other proving ground than its own country and adjacent waters, it would be hard to keep any long-range rocket flights from being observed. It has been confirmed that civilian observers have mistakenly reported Swedish Vampire jet-propelled fighters as rockets, and that meteors have similarly been mistaken for rockets by Swedish observers. The August 1946 meteoric showers and jet airplanes might account for most of these reports, if it were not for the Defense Staff's insistence that they believe part of the sightings are rockets. They further report officially that these objects have been tracked both by radar and range-finders. In view of this, their lack of action is extraordinary. They know that the British are extremely worried and that we are exceedingly interested in verifying these reported sightings, and they insist that they have no tangible evidence. No matter whether the reported objects are Swedish rockets, jet fighters, or meteoric showers, the Defense Staff is encouraging the belief that they are rockets and is issuing evasive reports which are in many ways contradictory. (Enclosure #1 to this Enclosure (A)). One possible motive is that they wish to influence public opinion to back their request for increased defense appropriations. Another is that they wish to alert the West against the Russian expansion menace which they fear so strongly and which they believe will make Sweden a battleground in any new war. They know how the British fear guided missiles, and that a very inexpensive way to keep Britain mobilized and to alert us would be to create the suspicion that the Russians were launching rockets over Sweden. Their insistence that the objects are rockets, in spite of their admission of a lack of any tangible evidence, is suspicious, as is their failure to cancel Air Force leaves or to use their aircraft to track these missiles. The Defense Staff's memorandum (Paragraph 6 of Enclosure #1 to Enclosure (A)) tends to criticize the Finnish reports, implying that they have been suppressed. Paragraph 12 discourages the hope of finding any evidence, as have most of the press reports, indicating that while the Defense Staff does not want to tell what it knows, it still will not discourage the rocket theory. If the Defense Staff is withholding or suppressing any information of Swedish rocket tests, this could be justified later to the Swedish public on the grounds of national security. However, it should be remembered that it is a national characteristic of the Swedish people to avoid facing unpleasant facts and to avoid stirring up international trouble. The deliberate creation of these incidents would arouse the strong antagonism of Russia as well as the U.S. and Great Britain. This is borne out by the strong reaction in the Swedish press to the article by Marquis Childs, vehemently denying his implications that the Russians were using rockets over Sweden to intimidate them into a Swedish-Russian trade agreement. In spite of this, the Swedish press now agrees almost unanimously that there is no longer any doubt that a foreign power is testing rockets over Sweden. The Swedish Prime Minister stated on August 15th that up to now it was not possible to protest to any foreign power, as it had not yet been proved what the objects are or where they come from.

In connection with the Swedish hypothesis, the reporting officer has gained the impression that the Swedish Defense Staff officers and the Air Force officers he has interviewed are evasive in their replies and are holding back information on orders from higher authority. Their contradictory and confusing comments are not typical of those which an alarmed and alert military staff would issue in the event of an enemy threat. The reporting officer feels that there is a possibility of the following:

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DECLASSIFIED
Authority NND 765054
By R. W. WARA Date 5/25/92

328 Headed for F41 AR
10/16/46
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Fisher

SECRET
N.A. Stockholm Report No. 35-846

16 August 1946

- (a) That the Swedish Defense Staff knows the origin of these missiles and is not worried about them.
- (b) That if the missiles are actually rockets, they are of Swedish origin and under Swedish control over Scandinavia.
- (c) That the Swedish Defense Staff wishes to encourage the belief that there are Russian Rockets over Sweden.
- (d) That the Swedish Defense Staff will conceal any evidence of the true nature of the reported objects, until such time as it is deemed expedient to release the information.

6. In summary, the following possibilities should be considered:
- 1. That the so called "ghost bombs" are a combination of natural phenomena and aircraft sightings, and that the reports are mostly imaginary and the result of public hysteria.
 - 2. That the "ghost bombs" are of Swedish origin and the objective is either experimental or to produce some psychological effect.
 - 3. That the "ghost bombs" are of Russian origin.
 - 4. That the "ghost bombs" are of foreign origin other than Russian.

There is no unanimity of opinion even in this Office. The NA believes there is a 50% possibility of premise 1, a 40% possibility of premise 3; and a 10% possibility of premise 2. On the other hand, the reporting office believes the possibility of premise 1 is 70%, 20% possibility of premise 2; 8% possibility of premise 3; and 2% of premise 4.

APPROVED AND FORWARDED:

L.M. JOHNSON
Colonel, USN
Acting Military Attache

For and in the absence of:
ALFRED A. KESSLER, Jr.
Brigadier General, USA

Prepared by Military Attache and Military

R. A. Winston,
Commander, USN,
Asst. Naval Attache.

CG USFET G-2; CG MPOUSA; CG USNA; CG of AGC Bulgaria,
Hungary, Rumania, M/A Oslo, Copenhagen, M/A, S.D Stockholm.

Forwarded by: *W.D. Wright*
William D. Wright
Captain, USN,
U. S. Naval Attache.

Enclosure (A) to N.A. Stockholm
Report 35-8-46, dated
16 Aug. 1946

DECLASSIFIED
Authority NWD 765054
BR. Eval WARA Date 5/29/96

Rocket-bombs

August 16.

The afternoon papers on Friday, Aug. 16, Aftonbladet and Aftontidningen give reports from London, saying that it is considered likely in London, that reports from a number of countries in Europe, among which Switzerland, Sweden and Denmark, concerning so-called ghost-bombs, will be presented for discussion at the next meeting of the UNO. The fact that Sweden, the country where most of the observations have been made, is not a member of the UNO yet, is not considered to be an obstacle for the council to discuss the reports even from that country.

When interviewed by Swedish News' Service, the Swedish Foreign Office refers to the investigations which are going on with the Defense Staff and says that it is too early to make any statements about the decisions which the government is going to take, before the result of those investigations is published and it is made clear, that it is really projectiles which a foreign power is sending in over Sweden for experimenting purposes.

Danish observation Copenhagen, Friday (UP and TT)

One more rocket was observed in Copenhagen on Thursday night according to several reports. The observers, among which several military persons, say that the projectile looked like a red fiery ball. It came from South at a speed of c:a 100 km per hour, at a height of 4 to 5 km. The directions is said to have been first East, then North.

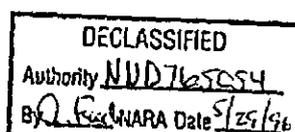
On account of the reports the Danish army has started investigations.

Observers will be looked for

At the defense staff in Stockholm, everything was quiet yesterday concerning reports about rockets. The slag which was found in North-Sweden is said to have arrived safely and is now being investigated. AT says, that from now on eventual observers of rockets on Swedish territory will be observed more intimately. If we really have to do with experiments from a foreign power, that power is sure to have persons who report about eventual observations.

Ghost-bomb sensation over Lund (South-Sweden) this morning.

The population at Lund was awakened by a crash on Friday morning, which at first was supposed to be a thunderstorm. Some witnesses say, however, that it was a projectile, meeting a hail-shower. The observations of different persons seem to agree well. The shock was so strong that the houses were shaking, one person even reports that some window-panes were thrown out. All the observers say that the projectile had a height of maximum 500 m and that at that height it looked ~~six~~ as if it was 15 cm long.



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Authority NND 755010
By FB NARA Date 28/7/97

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London 15

WAR DEPARTMENT
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INCOMING CLASSIFIED MESSAGE

GENERAL SPAATZ
No. 1 COPY
TOP SECRET

TOP SECRET TOP
PRIORITY

PARAPHRASE NOT REQUIRED. HANDLE AS TOP SECRET CORRESPONDENCE
PER PARAS 51 (1) and 60 (a) AR 380-5

From: US MA London, England sgd Bissell
To: War Department for COMGENAIR
Nr: 70910
See WAR 97392 follows
16 August 1946

A-1
A-2
A-3
A-4
A-5
CAS ✓
AAG ✓

Reur WAR 97392 representative of A1-2-G and of M1-10 (Squadron Leader Heath and Captain Malone) British War Office were in Sweden recently on another subject and were told to investigate reports of missiles as an additional duty. They were able to discover nothing except what had already been published in the press. All the information which this office has been able to discover on this subject is contained in reports 1985-46 June 12, 2482-46 July 15, 2550-46 July 18 and 2846-46 August 13.

End

*see 5825
5775*

*ARR
8/14*

ACTION: Gen Spaatz **GEN. McDONALD**

INFO : Gen Chamberlin
Gen Norsted

CM-IN-3771

(17 Aug 46) DTG 161830Z 18

GEN. McDONALD

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M05769

GEN. EVEREST

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By FB NARA Date 28/7/97

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MO5769

AUG 17 06

9 ~~GEN. BAKER~~ file 4/55 **DESTROYED**

10 GEN. TAKER file 8/25 **DESTROYED**

11 GEN. CHAUNCEY file 4/23 **DESTROYED**

12 **GEN. WEYLAND**

13 GEN. PARTRIDGE
GEN. ANDERSON
~~GEN. MC DONALD~~
GEN. HOOD

14 **GEN. EVEREST**

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Everest

TOP SECRET TOT
 PRIORITY

TOP SECRET

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 PER PARAS 51 (1) and 60 (a) AR 380-5

A-1	<input checked="" type="checkbox"/>
A-2	<input type="checkbox"/>
AI3	<input checked="" type="checkbox"/>
A-4	<input type="checkbox"/>
A-5	<input type="checkbox"/>
CAS	<input checked="" type="checkbox"/>
AAG	<input checked="" type="checkbox"/>

From: CG USFET, Frankfurt, Germany sgd McNarney cite KT
 To: US MA, Moscow, Russia
 Info: War Department for Chamberlin; US MA, Stockholm, Sweden; US MA, Helsinki, Finland
 Nr: S-2074 16 August 1946

1. Reur MA-50682. It is our opinion that launchings at present are taking place from Ex-German experimental stations and launching grounds at Peenemunde. Presence of a Russian Technical Commission there was reported sometime ago, headed by a Lieutenant Colonel Swentitski. Although the station was almost entirely destroyed during the war and immediately thereafter, some repairs have been made and launching machinery and installations placed in operation.

2. Present launchings are experimental and probably involve a total of about 100 rockets of the V-2 type in which the Russians have been experimenting in Germany. It is reported that, on conclusion of these experiments, the Peenemunde will be completely dismantled and rebuilt in Russia. Cable Z-3681 from Allied Control Commission, Hungary, also contains information on this subject.

3. Would appreciate evaluation of above report and any further information which may be available, particularly on possible future locations of such stations in Russia.

Note: MA 50682 is GM IN 2871 (13 Aug) Gen Chamberlin End.

Z-3681 is CM IN 2335 (10 Aug) Gen Chamberlin

ACTION: Gen Chamberlin

INFO: Gen Spatz, Gen Norstad, Gen Aured, CSA

GM IN 3745 (17 Aug 46) DTG 161740B cc

GEN McDONALD

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MC5774

GEN. EVEREST

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22 LOW

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TOP SECRET FILE

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 CORRESPONDENCE PER PARAS 511 and 60a, AR 380-5.

TOP SECRET

MC 5839

A-1	✓
A-2	
A-3	✓
A-4	
A-5	
CAS	✓
AAQ	✓

From: HQ Oslo Norway and Jørlum

To: War Department for MILID

Re: 453

16 August 1946

Missiles reported over Norway all sighted within 25 mile radius of Oslo. One sighted on July 11th, 21st, 22nd, 23rd and 24th on 18th. One of above headed east, other five going north. Two on 18th reported very low others high in flight. Speed reported as "Lightning fast" and emitting fiery trail but no other description and no parts recovered. Ref covered 446 of 29 July. Another reliable source reports two rockets fired from Russian territory two kilometers east of Lake Langham on Russian-Norwegian border at 2335A 18th July. Missiles appeared to be 15 meters long with exhaust flame of 30 meters. Very steep ascent but seemed to travel southeastward. Record 451 dated 13th August source has now stated that Denmark broke coded message.

End

NOTE: 446 is CH IN 6507 (31 July) D/I

451 is CH IN 3537 (16 Aug) Gen Chamberlin

ACTION: Gen Chamberlin

INFO: Gen Spang
 Gen Norstad

CH-IN 4123

(18 Aug 46)

DTG 161550 ad

GEN McDONALD

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23

GEN. EVEREST

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By FB NARA Date 28/7/97

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105784

16 GEN. SEMTZ *file 24 file* **DESTROYED**

Aug 10 21 10 216

17 GEN. EARLE *file 24 file* **DESTROYED**

18 GEN. CHAUNCEY *file 24 file* **DESTROYED**

19 **GEN. WYLAND**

20 GEN. PARTRIDGE
GEN. ANDERSON
GEN. MC DONALD
GEN. HOOD

21 **GEN. EVEREST**

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43

CONFIDENTIAL IVI

PARAPHRASE NOT REQUIRED. HANDLE AS CONFIDENTIAL CORRESPONDENCE
PER PAPAS 51 (1) and 60 (a) AR 380-5

From: CG PACUSA Tokyo, Japan

To: War Department for CGAAF

Nr: A 97381 GB

19 August 1946

Considered vital to our operations and situation in the Pacific is latest and best information and evaluation of the Swedish robot weapon incidents which have been continuing over the past several months. Answers to the following specific questions are especially desired:

A. Are they rockets or jets, for example V-2 or V-1 type?

B. What bases are being used?

C. What radius of action is being attained?

D. Is their accuracy known and if so, what is it and how was it attained?

E. What are technical details of the weapon or weapons being used including sizes and composition of war head?

END.

ACTION: AAF

INFO: ID, P&O, R&D

CM IN 4160

(19 Aug 46)

DTG 190159Z ec

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 By FB NARA Date 28/7/77

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John A 21

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TOP SECRET

A-2	
A-3	✓
A-4	
A-5	
CAS	✓
AAO	✓

PARAPHRASE NOT REQUIRED. HANDLE AS TOP SECRET
 CORRESPONDENCE PER PARAS 511 and 60a, AR 380-5

From: NA Copenhagen Denmark and Buro
 To: War Department for Director of Intelligence
 Re: 147 19 August 1946

MC 5733

TOP SECRET.

Reports of observations of rocket missiles over Denmark (Group VAEK 97340 TOP SECRET). From other than occasional newspaper articles highly censored by military authorities thus rendering evaluation impossible. Latest unevaluated sighting 13 August 0345 hours "Rocket came over Struer near Holstebro Jutland from northeast to southwest detonated and gave very strong gleam of light".

31 July Vaerlose Zealand 1200 hours rocket reported sighted by military no newspaper report no further topsec information.

27 July First Danish report in afternoon at Hong north of Skjoldebo Zealand "shiny silver object observed by several people slipped like shell high speed from northeast to northwest no fire or smoke observed". Understand official questionnaires have been issued by Danish Intelligence. Although authentic and evaluated information not yet available holders to can secure data and will forward earliest date.

ACTION: Gen Chamberlain
 INFO : Gen Spence, Gen Horsted, Gen Amsand, CSA
 GEN IN HIGH (10 Aug 46) REF: 101450 bfr
GEN DONALD

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GEN DONALD

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 By FB NARA Date 25/7/97

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32 MISC

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 CORRESPONDENCE PER FARAS 511 and 60a AR 380-5

TOP SECRET

MC 5842 ✓
 MC 5861

A-1	✓
A-2	
A-3	✓
A-4	
A-5	
CAS	✓
AAO	✓

From: RA Moscow, Russia and Hacon
 To: War Department for Chamberlin
 Info: USREP ETGRI; USMA Stockholm (WAR psl pass to Stockholm)
 Re: MAX 50693 19 August 1946

Following information from Major S. Wennerstrom, Swedish Air Officer on official 3 day visit Red air celebration Moscow. About 200 flying bombs have passed over Swedish territory, most entering from south and travelling generally north, some on zig-zag course. Radar plotting indicates most bombs came from vicinity Peenemunde, some may have come from Soviet Baltic coastal area. Only 1 bomb plotted as curving toward west and entering Norway, all others curved towards east (B-2). Bombs are not V-1 model, but are similar and slightly larger (B-3). They are radio controlled and carry no war head, but are self destroying. Most travel at altitude of about 1,000 meters but have been seen as low as 5 meters. Velocity 400 to 600 kilometers per hour. Generally have appeared to be under good control. Maximum plotted course over Sweden 1000 kilometers, but Sweden have no plotting station in far north (B-2).

Source has heard no reports of bombs over Finland therefore believes bombs have fallen into Bothnia Gulf. Additional information from same source: Soviets are carrying on extensive work in Murmansk area which includes some kind launching project (B-4). Wide spread aerial sapping by Soviets of Kola Peninsula (B-2), where mining

CH IN 4301 (20 Aug 46)

GEN. McDONALD

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GEN. EVEREST

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Authority NND 755010
By f-8 NARA Date 28/7/77

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46

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**TOP
SECRET**

Page 2

From: HQ Moscow, Russia sigl Moscow

Re: MAX 50693

19 August 1946

activities are being developed possibly Uranium (E-4).
Soviets restored and are operating German experimental
underground works in Harz Mountains, vicinity Nordhausen
(E-4).

M/A comment: Most launching believed from Peenemunde.
While experimentation probably basic reason, silence of
Soviet press and continuance bombs over Sweden after world
publicity suggests additional purpose possibly furthering
nerve warfare.

End.

Note: Has been relayed.

ACTION: Gen Chamberlin

INFO : Gen Spatz
Gen Norstad
GSA

ON IN 4301

(20 Aug 46) DEB 191700Z avd

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Authority *AWP 7550 10*
By *MM* NARA Date *7/29/97*

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PARAPHRASE NOT REQUIRED. HANDLE AS TOP SECRET
CORRESPONDENCE PER PARAS 511 and 60a, AR 380-5.

From: Military Attache, Helsinki, Finland and Warren
To: War Department for MILID
Re: 25 20 August 1946

A-1	<i>Py</i>
A-2	
A-3	<i>1111</i>
A-4	
A-5	
CAS	<i>✓</i>
AAG	<i>✓</i>
DRD	

Finnish Army Intelligence confirms your opinion of
participation Qaenemando launching grounds in current Soviet
Union Rocket Experimentation Program.

End

ACTION: Gen Chamberlin

INFO: Gen Spatz
Gen Horstad
CSA

GH-IN 4515

(21 Aug 46)

DTG 201000

ed

GEN. McDONALD

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GEN. W. FOREST

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Authority NND 7950 10
By MM NARA Date 7/29/97

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CORRESPONDENCE PER PARAG 51.1 and 60. AR 380-5.

From: MA Stockholm Sweden sgd Kessler

To: War Department for HLLJD

Nr: 1079

20 August 1946

TOP SECRET.

-1	Ry
-2	
-3	
-4	
-5	
SAS	✓
AAG	✓

Attention invited to Naval Attache Stockholm report
35-S-46 of 16 August concerning spook rockets prepared in
close cooperation with this office. This office favors
promise 1 with promises 2, 3, and 4 as possibilities, with
2 the strongest thereof. Report follows.

End

ACTION: Gen Chamberlin

INFO: Gen Spantz
Gen Norstad

GEN McDONALD

CM-IN 4516

(21 Aug 46) DTG 201130Z

ed

GEN. EVEREST

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 CORRESPONDENCE PER PARAS 511 and 609, AR 380-5

Sy
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A-1	✓
A-2	
A-3	✓
A-4	
A-5	
CAS	✓
AAG	✓
DRD	

From: USIA, London, England and BLSA-11

To: War Department for MILID

Re: 70930

22 August 1946

Received 70909 and 70910 following digest appeared in London Press Re rocketry over Sweden, Evening Standard by Norman Barrymore, Diplomatic Correspondent date line Paris states Sweden trying to solve rocket puzzle since first one observed late May over town of Landskrona. Observer stated first rocket exploded and produced four smaller rockets which continued on their course. Lt. Gen. James Doolittle now Stockholm on private business will be consulted by Swedish Govt. Fragments of bombs so far found Sweden bear no markings. No lives lost. Swedish General Staff believe missiles fired from Peenemunde now occupied Red Army. Swedes have imposed strict censorship on localities rockets have been observed and where they have crashed. Rocket number 1 talking point in Sweden. Swedish General Staff have requested public to report all observations. Three days after this appeal 300 reports were received. 500 reports are being studied today.

Swedish Prime Minister Herr Hansson said last week that no demands had been made to any Foreign Government concerning rockets because nature and origin still uncertain. Reports received on rockets widely at variance and agree on only one thing that path of flight is always from Southeast when first seen. Descriptions of rockets vary from ball shaped to shuttle and cigar shape. Speed estimates range

CR-111-5065 (23 Aug 46)

GEN. McDONALD

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GEN. EVEREST

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 By MM NARA Date 7/29/97

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TOP SECRET TOP
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Page 2.

From: USMA, London, England sgd Blsaccl.

Nr: 70930

22 August 1946

seven to nine hundred miles an hour.

Daily Express report by Guy Eden states British radar experts have been sent to Sweden to investigate source of rockets, that experts have reported to Whitehall on what they discovered and will return Sweden with apparatus to work with representatives of Swedish Govt. Sweden has asked loan of radar equipment and has been granted it. Article further states Ruter News Service cables from Berlin documentary evidence Soviet Zone shows Russians are working on V-4 new super rocket from blueprints found in Nazi underground factories. Ten plants in Russian Zone Germany reported producing jet planes, heavy armament, rocket fuels for V weapons and U-boats and torpedo parts. Among plants named are Seimenstolefunken, Krupps and the Leuna oilworks in Sazony which is making new jet plane fuel. Russian and carefully screened German technicians employed. Germans getting high pay and extra rations. Britain also reported to be working on German weapons in British Zone.

AMAA Comment: Squadron Leader Heath and Capt. Malone who are guided missile experts were sent to Sweden by Air Ministry and have returned with negative reports. Intelligence Section Air Ministry reports that a news leak has occurred regarding request of Sweden for radar equipment and also the

CM-IR-5065 (23 AUG 46)

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By *MM* NARA Date *7/29/97*

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53

PRIORITY
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A-1	<i>By</i>
A-2	
A-3	
A-4	
A-5	
CAS	<i>✓</i>

From: USMA Stockholm
To: War Department for MJLD
Info: USFET and MA Moscow
Nr: 1082 23 August 1946

Information concerning rocket bombs contained in MA Moscow MAX 50693 dated 19 August Subject. Definite detailed statements made by Swedish air officer cannot be substantiated or denied by official or other info available this office. See our 348-46 and 352-46 enroute by pouch. Source is advisor on Air Force Staff, prominent aviation writer and radio commentator with tendency to exaggerate.

End. *MC 5790*

Note: MAX 50693 is CM-IN-4301 (20 Aug) General Chamberlin
348-46 not identified in SMC
352-46 not identified in SMC

ACTION: General Chamberlin
INFO : General Spaatz
General Norstad
CSA

CM-IN-5277 (23 Aug 46) DFG 230930Z JJF

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GEN. McDONALD

GEN. *L. W. JONES*

COPY No. 23
MC 5842

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Authority *AWD 755010*
By *MM* NARA Date *2/29/97*

50

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PRIORITY

Page 3.

From: USMA, London, England and Blissoll

Nr: 70930 22 August 1946

sending of guided missile technicians to Sweden. That the source of the leak has not been determined and the British Foreign Office is concerned over same. Further that although Sweden had requested radar installation and technicians they have now withdrawn request and Air Ministry will send no personnel to Sweden on subject, leaving further negotiations in hands of Foreign Office. Suggest if thought advisable that Kessler be informed of the above.

End.

Note: 70909 is CM-IN-3770 (17 Aug) General Chamberlin
70910 is CM-IN-3771 (17 Aug) General Spaatz

ACTION: General Chamberlin

INFO : General Spaatz
General Norstad
General Award
CSA

CM-IN-5065 (23 Aug 46) DTG 221650Z JJF

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105825

J. H. DOOLITTLE.
MUTUAL OF OMAHA INSURANCE CO.
1015 CASS ST. - SUITE 3
MONTEREY, CALIF. 93940
—
(408) 373-3292
29 August 1984

Mr. Barry J. Greenwood
6 West Hancock Street
Stoneham, Massachusetts 02180

Dear Mr. Greenwood:

I have no firm knowledge of actual rockets or "ghost rockets" in Sweden. Did know, of course, that various hypotheses were being bandied about - largely by the press.

Every good wish.

Very sincerely,


J. H. Doolittle

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UNCLASSIFIED

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Rec'd. - 1
wpm
-10

54

23 August 1946

MEMORANDUM FOR

The President

The attached report on "Ghost Rockets" received from the National Intelligence Authority is forwarded for your information.

WILLIAM D. LEAHY

sent via parcel

NND750065
Aug 20, 75

~~SECRET~~
UNCLASSIFIED

22 August 1946

55

MEMORANDUM FOR THE PRESIDENT:

Since preparation of our original memorandum dated 1 August 1946 on the subject of "Ghost Rockets" over Scandinavia, additional intelligence indicates that the former tentative conclusions should be somewhat modified.

1. The weight of evidence now points to Peenemunde rather than to the Gulf of Finland as the probable launching site of most of these "rockets".

a. While it was originally believed that the German installations at Peenemunde had been dismantled and shipped to the U.S.S.R., General McHarney now reports that Peenemunde is operational.

b. The U. S. Military Attache Moscow has reported that a key Swedish Air Officer stated that, on the basis of Swedish radar course-plotting, most of the launchings have been identified with the Peenemunde area.

c. An S.S.U. source indicates that a Soviet ship is reporting by radio to shore stations on the passage of these missiles from Peenemunde over the North Baltic.

d. The Leopoldville radio reported in July that the Soviets were warning shipping against passage through certain parts of the Baltic and were threatening the death penalty to seamen who might disclose the "phenomena" which they saw.

2. On the basis of the above evidence it seems probable that the U.S.S.R. is carrying out large-scale guided-missile tests around the Baltic, in which most of the missiles are launched from the Peenemunde area and traverse Sweden toward the Gulf of Bothnia.

3. It is the belief of CIG that scientific experimentation is the primary Soviet objective and that political considerations, although thoroughly appreciated, are secondary.

a. In view of transportation difficulties it would seem logical for the Soviets to center their experimental program around Peenemunde where manufacturing facilities, materials and German personnel would be close at hand, rather than to set up new installations in Russia.

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REF.

440 750065

Aug 20, 1975

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b. There have been several foreign estimates that only those "rockets" which are off course, presumably through functional failure, land in Sweden.

HOYT. S. VANDENBERG
Lieutenant General, USA

~~TOP SECRET~~

RW
10/10/46

57

Please refer
to file 318-101

UNITED STATES FLEET
UNITED STATES NAVAL FORCES IN EUROPE
20 GROSVENOR SQUARE
LONDON, W.1

24 AUG 1946

Serial: 00270

SECRET
~~SECRET~~

From: Commander, U.S. Naval Forces in Europe.
To: U.S. Naval Attache, Oslo.
Subject: Rocket Bombs or Guided Missiles over Norway
and Sweden.
Reference: (n) ALUSNA Oslo Secret Ltr. AB-2/EP50
Serial 003 of 25 July 1946.

1. Reference (n) invited attention to various newspaper reports on missiles flying over Scandinavia. It also reported that it was thought that two of these missiles had landed in a lake near Oslo and requested specific information concerning U.S. Naval participation in the recovery of those or similar missiles.

2. The U.S. Navy is very much interested in these reports and in the missiles themselves. Close contact is maintained with British authorities who are obviously even more interested.

3. As for an attempt being made to recover the missiles reported in the lake near Oslo, it is believed that the effort involved could not be justified at present. Furthermore, considering the large number of these missiles which have been reported, it seems probable that sooner or later some will be recovered in a fairly good condition and from a more accessible location.

4. In answer to the questions raised in paragraph 4 of your letter, the following comments are made:

- (a) The U.S. Navy is interested in this matter.
- (b) So far there have been several persistent reports that the portions recovered from missiles have been non-ferrous. If true,

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Authority NND 883065
By L.C. NARA Date 7/24/87

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Please refer to file: 579-100

UNITED STATES FLEET
UNITED STATES NAVAL FORCES IN EUROPE
20 GROSVENOR SQUARE
LONDON, W.1

Handwritten initials and scribbles

Serial: 00270
~~SECRET~~
SECRET.

24 AUG 1946

Subject: Rocket Bombs or Guided Missiles over Norway and Sweden

This would eliminate any means of magnetic detection and it is therefore believed that the best chances of recovery will be in finding a missile which has landed in a known and accessible spot and has not been totally demolished.

- (c) As far as it is known the U.S. Navy has no equipment in this area suitable for such work.
- (d) The U.S. Navy would attempt to assist in the recovery by sending any personnel available if an invitation were received from the foreign government concerned. However, it is emphasized that there is no equipment available in this area and qualified personnel are extremely scarce.

5. It is obvious that outside U.S. Military and Naval participation in such investigations would have to be approved on a high political level. Much information can be obtained by attaches already on the spot and it is suggested that ALUSNA Oslo and ALUSNA Stockholm work closely on this matter with U.S. Military Attaches and British Naval and Military Attaches.

cc: ONE
ALUSNA, Stockholm. ←

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Authority NND 883065
By L.C. NARA Date 7/24/87

WAR DEPARTMENT
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59

*Public Intelligence
Classified Message*

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PER PARAS 51 (1) and 60 (a) AR 380-5

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DE
AG
AG
AG

From: USMA Stockholm sgd Kessler

To: War Department for MILID

Info: USMA Moscow (War pls pass)

Nr: 1083

24 August 1946

Spook rockets. Situation developing rapidly with ultimate to Jugoslavia possible stimulus. Theory worthy consideration this time is spook rockets unintentional hoax which developed naturally but which exploited by Defense Staff by implication and lack of frankness possibly interest defense budget and to alert west against east. If rockets are hoax rapidity of deteriorations of west-east relations now puts Swedes in dangerous position in which they could be charged with contributing to breakdown in great power relations. Swedes would naturally be anxious to cover tracks officially and avoid possibility of this. Latest developments, all after ultimatums announcement, may support hoax theory.

First (See WA Stockholm cable 1080 of 22 Aug) Swedish RAF requested aid this office in obtaining earliest delivery Sweden of 6 SCR 615 sets for use in tracking rockets. Comment:

Action puts Swedish officialdom in correct position of taking proper action to solve mystery.

Second, Swedish RAF announced in press that Bofors for sometime has been developing aircraft rocket. Comment:

Sweden has thus made public this experimentation in apparent sincere effort to publish facts which may explain some observations.

CM-IN-5613 (25 Aug 46)

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see Lt. Allen's Papers

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SECRET PIE

Page 2

From: USMA Stockholm

Nr: 1083

24 August 1946

Third, 23 Aug press contains two rocket incidents complete with immediate full explanations. First was meteorological balloon from Stockholm airfield which exploded and was therefore suspect as rocket. Therefore, unhelpful local observatory identified balloon and airfield explained origin. Second black object was observed to fall and explode. Object found immediately discovered to be magpie that fell on high tension line and was electrocuted with attendant light effects. Comment: Press suddenly realistic and incidents which previously would have remained unexplained are rationally explained.

Swedish official releases to this office believed scrupulously correct and whereas whole truth may have been withheld no misstatement made. Comment: It cannot be said that Sweden officially furnished US Govt with false information with view to alerting her against USSR. However, little done officially to allay public concern or counteract local and world unofficial conclusions that Russian rockets being seen.

Swedish unofficial release from highly placed members of the Defense Staff or Air Force have stated flatly that rockets with proved origin in Russian territory have been established over Sweden. See MA Russia Cable MAX 50693 19 Aug. Further, Defense Staff (source 69) unofficially told SSU officer this Legation that Sweden has radar tracks proving existence of rockets over Sweden with USSR origin. Comment: Both releases took place prior to ultimatum. Information in MAX 50693 may have been plant or private views, or may have been the facts. Info from source 69 either plant or the facts. Doubtful releases are the facts, as then Swedish

CM-IN-5613 (25 Aug 46)

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Authority *AW 7 7550 10*
By *MM* NARA Date *2/29/97*

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John 72

WAR DEPARTMENT
CLASSIFIED MESSAGE CENTER
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PRIORITY
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TOP SECRET	
A-2	
A-3	
A-4	
A-5	
CAS	✓
AAG	✓

PARAGRAPH NOT REQUITED. HANDLE AS TOP SECRET CORRESPONDENCE
FOR PARAGRAPH (1) AND (2) AR 380-5

From: HQ USPET Frankfurt sgd McNamoy cite ERGBI

To: War Department for WDGID

Nr: S-2643 *5827* 24 August 1946

Re W-98238 dated 22nd August 46, following information is basis for opinion Peenemunde used as launching site for rockets seen over Sweden:

- (1) Swedish radar plotting indicates most bombs come from the vicinity of Peenemunde, although some may have come from Baltic Coastal Areas (B-2).
- (2) Dr Grottrup, German in charge of Russian V-2 research in Bleicherode, identified at Peenemunde in June (B-1), reported in charge of launching experiments (B-2).
- (3) Notable increase in activity in Peenemunde in May and June (B-1). Ferry at Wolgast and branch railroad line to Peenemunde restored (B-2).
- (4) V-2's brought from Nordhausen area to Peenemunde by special laboratory-equipped train (B-1), some to be launched from railroad cars (B-2).
- (5) Presence of Russian Technical Commission at Peenemunde reported for some time (B-1), headed by Colonel Maksim and Lt Col Sventitski (B-2), apparently engaged in restoration of damaged facilities and preparations for later removal to USSR (B-2).

CM-IN-5579

(25 Aug 46)

GEN. McDONALD

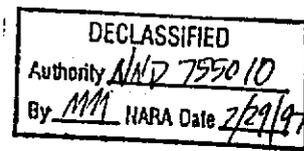
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GEN. EVEREST

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INCOMING CLASSIFIED MESSAGE

PRIORITY
TOP SECRET TOT

**TOP
SECRET**

Page 2

From: H. USEFEY Frankfurt cgd McNarney cite EIGHT

To: 5:2643

24 August 1946

Comment: No other known German testing area available where rockets can be fired into the sea if German Area were not used, would necessitate complete reconstruction of available German railroad equipment for Russian gauge and transshipment of V-2's, laboratory equipment, technicians, etceters for great distance into USSR, out of contact with research centers in Germany. Small scale experiments in Baltic Coastal Areas possible but unlikely. Figure of 100 is questionable although confirmed by two sources. No further confirmation of single report from Hungary of use of Koenigsberg Area.

End.

ACTION: Gen Chamberlain

INFO : Gen Spatz
Gen Horstad
Gen Aurand

CM-IN-5579

(25 Aug '46) DTG 241510B 1e

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MC5847

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PREPARING OFFICE WILL INDICATE WHETHER

6146 TELEGRAM SENT

PREPARING OFFICE TYPE MESSAGE 60-A CLASSIFICATION MESSAGE: TOP SECRET

Collect

Charge Department:

Charge to Special Deposit

Department of State
Washington
TOP SECRET
No disclosure commin-
g to anyone.

AUG 27 1946

TOP SECRET NO DISTRIBUTION NO STENCIL

AMLEGATION,

STOCKHOLM.

1398

FROM EKSE TO RAVNDAL

GP

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

BILLED

AUG 1946

Acton Acting (756)

DIVISION OF BUDGET AND FINANCE

CON:FBLyon:OPV
8-27-46

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1 2020 Family 1-1-1946

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DIVISION OF
BUDGET AND FINANCE

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Gross p 60A

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Authority *AWD 755010*
By *MM* HARA Date *2/29/97*

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CORRESPONDENCE PER PARAS 51.1 and 60 a, AR 380-5

G-2/Intell. Div. Scientific
Br/Intel Gp/WDCID 6196
Mr Byron M Stites

29 August 1946

CINCAPPAC Tokyo Japan

Number: WAR 99115

Signed WDCID Form G 64636, 28 August.

A-1	
A-2	
A-3	<i>MB</i>
A-4	
A-5	
CAS	<i>MB</i>
WAG	

Guided missile reports sent to Sweden by British intelligence returned with negative results; however report from British Foreign Office noted A 2 by MILATTACHE Moscow states existence of missiles over Sweden definitely proven by radar and fleet statement made that missiles have been launched from Soviet Zone of Germany over Sweden.

2. Our MILATTACHE Sweden reports "Spook" rockets have been seen over Sweden and points of impact reported but Swedish officials insist that no fragments other than bits of non-metallic slag have been found. Our MILATTACHE now postulates theory that whole thing is unintentional hoax.

3. MILATTACHE Moscow reports Swedish Air Officer (B 2) has given following:

- A. About 200 flying bombs have passed over Swedish territory traveling generally north.
- B. Bombs are similar to and slightly larger than V1.
- C. Radio controlled, no warhead, self destroying.
- D. Usual altitude about 1000 meters, velocity 400 to 600 KM per hour.
- E. Maximum plotted course 1000 KM.

CM-OUT-99115

(Aug 46)

GEN McDONALD

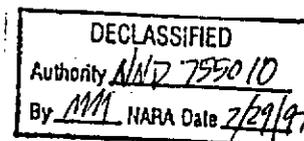
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GEN. EVEREST

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Number: WAR 99115 TOP SECRET Page 2

F. Radar plotting indicates missiles come from direction of Peenemunde.

4. Missiles have been sighted over all Scandianavia countries and are believed to be actual occurrence. Press reports are thought to be exaggerated due to duplicate sightings and untrained observers. Possibility is that more than one type of missile involved, majority appear to be V1 type. No positive evidence of any homing device. Possible launching sights are Peenemunde Area, the Baltic Coast of Estonia or air-ports.

End.

C 64636 in CM IN 6288, dtd 28 Aug 46.

ORIGINATOR : Gen Chamberlin

DISTRIBUTION: Gen Spatz
Gen Norsted

CM-OUT-99115

(Aug 46) DTG 310026Z vh

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63-A.

Office Memorandum • UNITED STATES GOVERNMENT

TO : *NOF* - Mr. Morgan
FROM : CON - Mr. Lyon *g*
SUBJECT:

DATE: September 4, 1946

FW 811.20200 FAMILY/8-2946



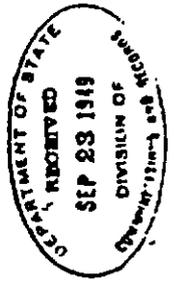
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Jack:

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, Sweden still 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."



Morgan

A/JT

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FW 811.20200 Family/8-2946

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AIRMAIL LOGRAM

4 September 1946

To: Alusna
Moscow

041615 please forward translations all repeat all Russian press
comments on Swedish ghost rockets to Alusna, Stockholm

WILLIAM D. WRIGHT
Captain, USN
U. S. Naval Attache
Stockholm, Sweden

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DECLASSIFIED
Authority NND 883065
By K. C. NARA Date 7/24/97

REPRODUCED AT THE NATIONAL ARCHIVES

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AIRMAIL LOGRAM

4 September 1946

To: Opnav
Washington

0/1600 Subject ghost rockets x still no tangible evidence of rockets in Sweden or Norway x no new press reports of rockets over Sweden since 24 August fireball but one paper frontpaged headlines 31 August that the ghost rockets now raining over all of western Europe x all four big Stockholm AM papers today reprinted AP and Reuter dispatches from Moscow quoting 3 September Russian paper NOVOJE VREMA accusing Sweden of war agitation with rocket hoax campaign sustained in Swedish press for many weeks with definite intention to spread suspicion and distrust of Russia and says that these Swedish lies were also supported abroad in organized slandering campaign to influence world opinion against Russia x says bubble burst and Swedish Defense Staff found no evidence of projectiles x charges slander campaign was kept going from well known sources and directed by experienced people from definite centers x foregoing believed possible indication Swedes have no evidence Russian rockets available to answer Russian charges of Swedish hoax x details my report 40-9-46 of 6 September

CONFIDENTIAL

WILLIAM D. WRIGHT
Captain, USN
U. S. Naval Attache
Stockholm, Sweden

DECLASSIFIED
 Authority NND 883065
 By L.C. NARA Date 7/24/87

946 Sept

Greece

70

NEW YORK TIMES 6 Sept 1946 Page 11.

CARRIER CANCELS ATHENS AIR SHOW

Excerpt:

Acting Foreign Minister Stephanos Stephanopolos supported a statement in London by Premier Constantin Tsaldaris that flying rockets had been seen over the northern part of Greece. He said that Greek divisional commanders and British officers had seen them both east and west of Salonika.

GREEK
GHOST
ROCKETS

He said the rockets, estimated to be flying at a height of 5,000 to 10,000 yards had been seen specifically at Drama, 130 miles northeast of Salonika and just below the Bulgarian border. He added that an investigation was under way.

-)(-

NEW YORK TIMES 7 Sept 1946 Page 4.

AIR SHOW IN ATHENS CALLED UNFEASIBLE

Excerpt:

The British Embassy issued a news release tonight discounting reports that flying rockets had been seen over northern Greece.

1946
GREEK

The release emphasizing that no British officer had reported seeing such missiles, said the rockets could have been a type of flare, such as a Very pistol, a number of which have been reported in the same area. (?)

-)(*

See statement by the Greek Professor Satorini concerning his investigation for the Greek Army of UFO sightings in 1947.

-)(-

W

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AIRMAILGRAM

12 September 1946

To: Alusna
London

121145 refer urdis 281321Z X indications here that British-Swedish collaboration on guided missile problem may possibly be designed to prevent US intelligence from getting facts x request this office be kept informed as to what information admiralty gives Alusna London on subject with dates obtained as promised by Admiralty, so that it can be checked against information available to this office x details my report 42-S-46 of 12 September 1946.

R. A. Finston,
Commander, USN,
Acting U. S. Naval Attache,
Stockholm, Sweden.

CC for info to
CNO
Alusna Oslo
US Chargé d'Affaires ad Interim, Stockholm

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DECLASSIFIED
Authority NND 883065
By K.C. NARA Date 7/24/97

DECLASSIFIED
Authority *NA 7 7550 10*
By *MM* NARA Date *2/29/97*

72

*London
22*

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TOP SECRET FIE

TOP SECRET

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PER PARAS 51 (1) and 60 (a) AR 380-5

A-1
A-2
A-3
A-4
A-5
CAS
AAG

From: USMA Copenhagen sgd Ewert
To: War Department to Director of Intelligence
Nr: 180 26 September 1946

Denmark cable from SSU nr 101 to Washington regarding
rockets over Denmark with ref SSU subj rockets over Denmark
dtg 10-9-46 with analysts report and chart referred to in
cable 101. MA comment: Info contained in subj cable from
highly evaluated source indicates no positive confirmed
rockets over Denmark with no fragments found. Info con-
tained in SSU cable and report is result of comprehensive
canvassing referred to in our TOPSEC cable nr 147 from
Tomlinson sgd Ewert.

End.

101 not identified in SEC.
147 is CH-IN 4194 (19 Aug) Gen Chamberlin

ACTION: Gen Chamberlin

INFO : Gen Spaatz, Gen Norstad, Gen Aurand, CSA

CH-IN 5079
GEN. EVEREST

(27 Sep 46) DTG 261615 SVC

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MC 6150₂₂

GEN. McDONALD

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Authority *AWD 7550 10*
By *MM* NARA Date *2/29/97*

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TOP SECRET

PARAPHRASE NOT REQUIRED. HANDLE AS TOP SECRET CORRESPONDENCE
PER PARAS 511 and 60a, AR 380-5.

A-1	<i>W</i>
A-2	
A-3	<i>W</i>
A-4	
A-5	
CAS	
AGG	

From: USMA, London, England and Bissoll

To : War Department for MILID personal for Chamberlin

Ar : 71085 1 October 1946

MC 5699 - MC 5687A

Military Attaché report 3658-46 of 25 September en route by mail raises 6 points under comments on cover sheet. Military and Naval Attaché Sweden as well as some of MA Staff London feel British may not have given us all available information on reported rockets over Scandinavia. My understanding is that Intelligence Division is securing everything available to the British through British Staff Mission (See our Radio number 70872 of 6 August and your FAX 96774 of 7 August). If British data on 6 points raised on cover sheet has not been made available in Washington do you desire effort made here to secure this information?

MC 5687A
End

Note: 70872 is CH-IN-1391 (7 Aug) General Chamberlin

ACTION: General Chamberlin

INFO : General Spatz
General Horstad

~~*MC 62032 - 6203A*~~

CH-IN-193 (1 Oct 46) DTG: 011310Z jjt

GEN. EVEREST

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GEN. McDONALD

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AIR INTELLIGENCE REPORTS



15 JAN 1947

AIR DEFENSE COMMAND

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A. B-36
Title: International Law and the Arctic

Director Air Space Stud AFTH Archives Maxwell AFB, <u>Secret</u>	RETURN 75
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By Authority of
The Commanding General
Air Defense Command
15 December 1946 ~~1-2~~

"Air Intelligence Reports" is a monthly intelligence summary issued by the Assistant Chief of Staff - Intelligence, Headquarters, Air Defense Command, in order to provide the Numbered Air Forces with intelligence information pertinent to the mission of the Command.

All sources of information are credited and each item is individually classified to permit an informed dissemination of the material contained in the summary.

The handling of this publication in this Headquarters and in subordinate units of this Command will be strictly governed by the provisions of AR 380-5 and other security regulations established for the control of secret documents and information.

BY COMMAND OF LIEUTENANT GENERAL STRATHEMEYER:

R. H. SMITH
Colonel, GSC,
Ass't. Chief of Staff - Intell.

P. R. Q

~~SECRET~~

Copy No: 192

Issued to:

HQO AIRU.

INDEX TO EVALUATION OF INFORMATION

AS TO SOURCE

A - Completely reliable

B - Usually reliable

C - Fairly reliable

D - Not usually reliable

E - Unreliable

F - Reliability cannot be judged

AS TO TRUTH, CREDIBILITY & PROBABILITY

1 - Report confirmed by other sources

2 - Probably true report

3 - Possibly true report

4 - Doubtfully true report

5 - Improbably true report

6 - Truth cannot be judged

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Guided Missiles (continued)

The development of atomic weapons and guided rocket projectiles go hand in hand. It was the Germans who realized that the rocket was "the ideal vehicle for atomic warhead" and it has been established that they intended the A-1 (V-2) rocket to be such a vehicle. In the construction of a long-range rocket, space allotted to payload is of necessity reduced to a minimum by the increase in space allotted to fuel. Adaptability of the atomic warhead to such a missile can be fully appreciated because the ration of destructive power to unit weight is far in excess of conventional explosives and a radical increase in the destructive power is not accompanied by a similar increase in volume of the warhead.

* * * * *

Recent activities in the U. S. S. R.

Recent activity over the Scandinavian countries has indicated that Russia or the Russian Zone of Germany is the area from which the numerous "Ghost Rockets" reported over Finland, Sweden, and Norway have been launched. Russia has offered no explanation of these rockets..

On 10 June 1946, a rocket or meteor was sighted over Helsinki and was reported to be a rocket. A Finnish observatory promptly claimed the object sighted was a meteor. When more sightings were reported from Sweden as well as from Finland, observers were definite that the objects were missiles, not meteors. Until late in August, numerous sightings were reported in Finland, Sweden, and Norway. Geographical location of sightings, points of impact, and a few technical details of questionable reliability are all that could be gathered from the reports.

Two types of missiles appear to have been involved: a missile "of inestimable size, flashing across the sky at supersonic speed, emitting brilliant magnesium-like light with a dark smoke trail, at 20,000 feet," and another missile, "cigar-shaped, the size of a small aircraft, flying at altitudes from 300 to 4,000 feet, with a continuously glowing ball of fire and an intermittent trail of fire every ten seconds." While few details of the high altitude missiles are known, the following deductions may be made from the reports concerning the low altitude missiles:

- (1) Ranges are in excess of 100 miles, with a reported maximum of 1400 miles.
- (2) Horizontal flight indicates winged missiles.
- (3) Observed flame after long travel time indicates use of turbo-jets, ram-jets, or a multiple step engine, excluding a simple rocket engine because of its short combustion period.

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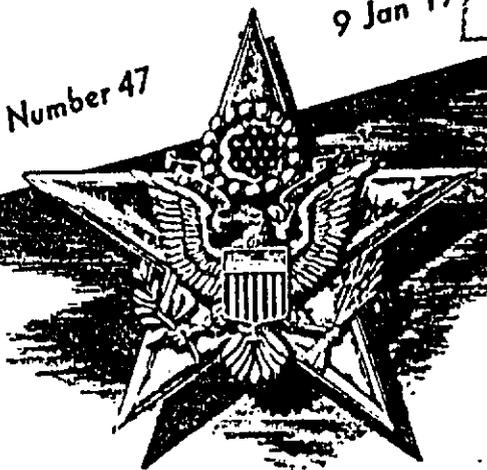
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EO 11652

KOL-69540

**INTELLIGENCE
REVIEW**

9 Jan 1947

Number 47



DECLASSIFIED
EO 11652

**INTELLIGENCE DIVISION, WDGS
WAR DEPARTMENT • WASHINGTON, D. C.**

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FEATURE SECTION

"GHOST ROCKETS" OVER SCANDINAVIA

Flying missiles were first reported over southern Sweden in late May 1946 by the press, which gave the missiles the name of "Ghost Rockets." In June, the missiles also had been reported over Finland and Denmark. By July, the number of sightings over Sweden had greatly increased; and several also had been reported over Norway. The great majority of these reports were made by untrained observers and, as would be expected, varied widely in the description of the actual missiles as well as, of their course, altitude, and speed.

Descriptions of the Missile

The two most common descriptions of the missiles were "a ball of fire with a tail" and a "shiny cigar-shaped object." The reported direction of flight covered all points of the compass, with a northerly direction being slightly predominant. Variations in altitude ranged from treetop height to 160,000 feet, the higher altitudes almost exclusively being reported from Finland. Speeds reported were from 65 m. p. h. to "lightning fast," with the majority described as having great or very great speed. The missiles generally have been described in horizontal flight; a few have been reported as diving into the ground or into lakes, or exploding in the air. In no case have fragments been found other than bits of material described as "nonmetallic slag."

One of the few reports available from an individual who should be more reliable and competent than the average

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GHOST ROCKETS

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layman is that of a Swedish Air Force pilot. On 14 August, at 1000 hours, he was flying at 650 feet over central Sweden when he saw a dark, cigar-shaped object about 50 feet long and 3 feet in diameter flying 200 feet above and approximately 6,500 feet away from him at an estimated speed of 400 m. p. h. The missile had no visible wings, rudder, or other projecting part; and there was no indication of any flame or light as has been reported in the majority of other sightings. His report states that the missile was maintaining a constant altitude over the ground and, consequently, was following the large features of the terrain. The last statement casts doubt on the reliability of the entire report because of the inability of a missile, without wings, to maintain a constant altitude over hilly terrain. However, the pilot does imply that there may have been wings which he was unable to see, because he stated that it could not have been a Swedish jet plane as there was none flying in the vicinity at that time.

The Scandinavian press, with the exception of the Communist papers, initially reported the incidents in some detail and openly attributed them to missiles fired by the U. S. S. R. In August, a partial censorship was imposed on the press, restricting the publication of exact details or localities where missiles were seen. The Communist press has continued to ridicule the entire matter and claims that there was no basis for the reports that the missiles were of Soviet origin. In fact, a charge was made that they came from the United States and that Gen. Doolittle was sent over to observe the effects of the missiles!

Official Investigations

Official investigations of these reports were begun by the Swedish authorities in June. The Defense Staff requested the public to report any unusual observations, and by the

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GHOST ROCKETS

end of July almost 1,000 such reports had been received. The investigation has been carried out by the Swedish Defense Staff in a very peculiar manner. In the beginning, many of the key personnel were on summer leave, and they were not recalled to deal with the problem. Spokesmen for the Defense Staff repeatedly have told the United States Military Attaché that they definitely believed there were rockets over Sweden, and that they were launched by the Soviets from Peenemünde on the German Baltic coast. However, they have not been able to produce any evidence to support these statements. To date, no United States military or naval personnel in Sweden have seen any fragments, points of impact, or other direct evidence to prove that guided missiles have appeared over Sweden.

The official communiqués issued to the press by the Defense Staff have not reflected the same tone as the statements made by individual officers in conversations. In fact, the communiqués themselves have varied. The last one, issued on 10 October, very strongly indicated that the great majority of the reported incidents were of celestial origin, which is a complete change from the one of 6 August when it was reported that, except in a few cases, they could not be meteorites.*

Attitude of Swedish Officials

To arrive at any definite conclusion from the conflicting evidence available on these reported missiles is impossible. The contradictory attitude of Swedish officialdom would tend to indicate that it was doing very little to arrive at a definite conclusion, perhaps for political purposes. The complete change in attitude between the communiqués issued on

* In September and October, flying objects were reported over widely separate points in Europe and Africa, including Belgium, Greece, Italy, Morocco, and Austria. In the main, these reports have not been confirmed and appear to be due to explainable causes, such as meteors or *Verg* flares, fireworks, etc.

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GHOST ROCKETS

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6 August and 10 October indicates that the Swedish Staff was trying to minimize the entire matter which had grown to such a size that the Staff was afraid of its having official repercussions on Swedish-Soviet relations.

Conclusions

The Soviets are known to be working on various guided missiles. They have the ability to produce, and probably have tested, missiles of the V-1 type. Without warheads and with slightly improved motors, these missiles could have a range of 500 miles, and are the only available German missiles believed capable of horizontal flight at low altitudes. There is some evidence that such work has been carried out at Stolp (in Polish-administered Germany) or on the Baltic islands of Oesel or Dago. Three of the people reporting sightings have mentioned the noise of an outboard motor, a characteristic of the impulse duct motor used on the V-1 by the Germans; and one of them stated that what he saw looked like the V-1 he had seen over London during the war. Others have reported little or no sound, a condition which may indicate the use of a turbo-jet instead of a pulse-jet.

The best evidence, at present, is that there have been only 2 or 3 real incidents, perhaps as many as 5 or 10, of low-flying missiles of the V-1 type. The high-altitude missiles reported seem definitely to have been meteors or fireworks. The Swedish Defense Staff probably has taken advantage of the situation for political purposes and allowed the newspapers to make a big story out of the missiles, without admitting that the Staff had any evidence to indicate that there actually were any such missiles. This was done at a time when the Swedish public was demanding reductions in defense expenditures.

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ize bombing forays or sabotage groups, such action must be considered as a distinct capability.

Those missiles which are launched may also be attacked while in flight. This action probably will be accomplished by smaller guided missiles aimed to intercept the projectile and destroy it before it can approach within effective range of its target. Although statements have been made in the public press that this is the only defense against remote-controlled atomic bombing, exclusive reliance by any nation upon such a countermeasure would be unsafe. The danger in this case lies in the many factors which must be coordinated to secure an effective antiaircraft screen. If any phase of the system should break down (and experience has proved that, in warfare, this happens all too often), the entire operation of the system might be impaired to such an extent that at least some projectiles could get through.

Beyond this, a basic difficulty to the use of antiaircraft missiles against supersonic guided missiles lies in the requirement that they must, in general, be sensibly faster than the missile they are to counter. Since guided missiles most likely will travel as close to the maximum speed* as possible, the use of very much higher speeds by smaller missiles appears to be out of the question at present. It is significant, also, that no missile system has yet been developed that is capable of intercepting even a V-2, such as that in operational use two years ago.

c. Strategic Countermeasures.--Although it is a practical certainty that the initiation of a well-organized offensive using guided missiles and atomic bombs could result in reducing the effective resistance of an enemy nation in a matter of hours, it

*The maximum speed of a missile traveling through atmosphere is that at which the temperature caused by air friction does not exceed the limits imposed by physical strength of the structure or igniting temperature of the explosive or fuel, or render inoperative any of the essential mechanism.

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GUIDED MISSILES

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may be that circumstances would, fortuitously, avert such a catastrophic defeat and permit a defense to be set up. If the enemy should be able to hold out against such an attack for a period which may need to be as much as six months or even several years, advantage may be taken of the use of strategic action. This action includes destruction of raw or semi-processed materials in the enemy country or at their sources, disruption of transportation, and other means for preventing production of the missiles.

d. Electronic Countermasures.—The electronic control system of guided missiles is, perhaps, the most vulnerable aspect of the weapon once it is in flight. Even the control system, however, is inherently difficult to counter. For one thing, most guiding (command) systems probably will utilize a radio or radar signal focused into a very narrow beam and directed at the missile. The narrower the beam, in general, the better the control, but the more difficult it is for the sender to detect. The receiving apparatus on the missile is also designed to function only in response to signals received from within a sector of about 60 degrees, normally to the rear and so away from jamming equipment. Thus, it would require a very strong jamming signal to force sufficient interference into the receiving system to upset it. Other considerations also affect the picture, but they are of too technical a nature to come within the scope of this article.

Two exceptions to this inherent freedom from interference are: (1) the homing type of control in which the jamming signal can be directed at the receiver in the nose of the missile; and (2) the beacon method of course correction in which the control signal comes from a surface location close to the target, with a rather broad radiating beam. In this case, the beacon could be silenced by ordinary military action. Another jamming action may be employed, although it is not usually considered as action against guided missile control. This is

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GUIDED MISSILES

the jamming of proximity-fuse circuits (if used) with the object of exploding the missile prematurely. If accomplished at a great enough distance, such a procedure would be one of the best electronic countermeasures. Hence, for this very reason, it appears expedient that the use of electronic proximity fuses in guided missiles be held to a minimum, in spite of their otherwise great advantages.

Conclusions

Very little can be said at this stage about specific countermeasures against guided missiles. Developments in the United States and Great Britain may be taken as indicative of the state to which the technical aspects of guided missiles have progressed. Even in these countries, however, it still has not been decided definitely just which control method or methods present the best solution. Since operations against the control system necessarily require some knowledge of that system upon which to base development of its countermeasures, probably little is being done at this time by any other nation towards producing specific equipment to jam guided missile controls. Consequently, a major portion of the work now in progress must be considered as being aimed simply towards the solution of the problem of very early warning of the approach of the missile, or towards direct or strategic countermeasures. Even if the precise system of control were known, jamming it still would present problems which may well prove very difficult, and in some cases insurmountable

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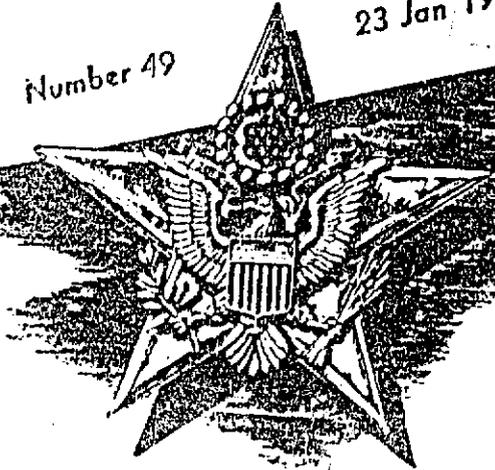
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**INTELLIGENCE
REVIEW**

Number 49

23 Jan 1947



DECLASSIFIED,
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INTELLIGENCE DIVISION, WDGS
WAR DEPARTMENT • WASHINGTON, D. C.

10-25736-1-1947

SCIENTIFIC DEVELOPMENTS

90

HOMING GUIDED MISSILE DEVICES

While the zenith of missile-guiding in World War II was realized in the V-2, the success of this weapon was not dependent on target-seeking devices within the body of the rocket. Hence, the accuracy was considerably less than spectacular, if general results were not. Had homing heads* been available, the damage caused by such missiles might well have altered the course of the war. From a more or less harassing weapon, the rocket could have been a pin-point weapon, destroying vital military installations. However, the problem of controlling such a missile is very great, even if a perfect homing device were available to provide the necessary guiding signals.

Since the Germans were far advanced in the field of guided missiles, one would suspect that their efforts along homing lines were at least parallel to, and probably proportionately advanced over, those of any other country. They had, in fact, devised many such systems, in theory, and had experimented with some of them, although they did not develop any of them, except the acoustic torpedo, to the point of operational use.

Immediately after the beginning of the development of guided missiles by the Germans, the target-seeking operation--homing--was considered by the Germans, and at first condemned. This was because of the possibility that the

* Automatic devices, which will direct missiles to given targets.

enemy could discover the operation and use false targets as a countermeasure, rather than because of technical difficulties or expense of inserting homing devices into a missile. However, some German engineers and physicists began to work on this task in 1942, and repeatedly proposed new schemes in the hope of foiling countermeasure efforts.

The same cautious view was also maintained by the Germans with respect to bombs to be dropped by aircraft, especially in the last year when bombing projects were discontinued because of decreasing German air power. On the other hand, the necessary defense against bombers forced the German scientists to look for new and better defensive weapons.

Types of Homing Devices

By the autumn of 1944, there were over 200 projects, many of which were very similar in nature. In this first large but poorly coordinated effort all conceivable principles were investigated; they may be divided into the following classes: (1) Acoustic; (2) Optical; (3) Infrared; (4) Electrical (continuous wave and radar); and (5) Magnetic.

Later efforts were made to reduce the number of projects to a few which showed the greatest promise of final success. The optical and magnetic efforts were eliminated, as they showed small promise.

Each system had to be investigated in terms of the amount of energy, electromagnetic or acoustic, available for homing purposes. This was necessary not only to determine possible maximum range, but also to fix the type and quantity of control gear associated with the homing head. (Any system requires some device which will detect a target, and convert any off-course fluctuations into mechanical motion which will control guiding fins or spoilers, bringing the missile back to a target track.) The important quantity to determine is the energy coming from the target.

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GUIDED MISSILES

In active systems, the energy originates elsewhere and is only reflected from the target. In passive systems, the energy originates from the target itself. 92

The active systems may be further classified as *fully active*, with the source of energy within the missile; or as *semi-active*, with the source of energy illuminating the target external to the missile and target. The source may be located on the ground or in a plane controlling the missile (if the system involves remote control as well as homing).

In the case of a passive device, the homing is done on the radiation emitted by the target itself; this latter type was preferred during the war. The most advanced developments were in the passive acoustic devices, particularly the acoustic homing torpedo for use by submarines. However, the application of the acoustic principle to rockets was complicated because of the high self-noise of the rocket, which drowned out other sounds, and also by the relatively slow speed of propagation of sound waves.

Applications and Countermeasures

For bombs against ships, the Germans thought that optical homing devices could distinguish between ships and waves, but that artificial fog or light would provide a defense. In the case of television homing heads, artificial fog and smoke not only give good defense, but heavy natural clouds or fog completely prevent satisfactory results.

Infrared and other heat-sensitive devices * promised to be successful although jamming by means of heat-radiating bodies located outside the target would be difficult to prevent. Owing to lack of target discrimination, the presence of more than one target (several blast furnaces, for instance) would

* Such devices may utilize a bolometer, a small strip of metal, or a semi-conductor. Infrared or heat rays falling on this strip cause a change in resistance, hence a change in electrical current developed by an applied voltage. Such changes can be amplified and caused to actuate guiding mechanisms.

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cause the missile to be guided on an average path between them and miss the actual target entirely. It was not considered possible to use acoustical methods against ships in the case of air missiles, in spite of their successful use in underwater torpedos.

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Electrical beam devices of the active type were considered by the Germans to be possible but expensive. Passive ones were developed and considered good when used as an anti-jamming measure for radio-controlled bombs. When the enemy jams, he guides the missile to himself. However, a countermeasure could be a jamming transmitter in a kite or a towed buoy.

Electrostatic devices were considered *barely possible* for bombs; electromagnetic devices were considered *possible* for proximity fuzes and torpedo homing devices, as a result of German research on the effective ranges of electrostatic and electromagnetic devices.

The passive methods can be simple and, in this respect, were preferable during World War II. A number of them were under development, while the number of active methods was smaller and consisted of radar only. The acoustical method has the advantage that it can be jammed only with great difficulty; furthermore, a large acoustic power is available from plane radiation. However, owing to the relatively low velocity of sound, this method was not considered suitable for forming a collision curve or for use against modern jet-propelled planes. In addition, the self-noise emitted by the rocket is considerable and may interfere with proper operation of the acoustic device.

Most of the heat-ray methods used simple scanning systems to guide the missile to exhaust or exhaust tubes. This method could easily be jammed by dropping hot bodies, and was not suitable for daylight use. Optical television methods were considered quite vulnerable to electrical jamming (in addition

to overcast problems) and were expensive, as Germany had only a laboratory production of iconoscopes. Thus, there was no television development for flak rockets. (In fact, there were no "flak rockets", either.) 94

Of the many systems devised by the Germans, the best type (in theory, at least) was one which homed on reflected energy; it could be used against all types of planes. A ground radar transmitter radiates toward the target, which, in turn, reflects energy which may be picked up by the missile.

None of the systems devised by the Germans was put to serious use, for reasons which included lack of sufficient effective range. Some of their best devices had an upper line of sight range of around two miles; most of them, however, had a range less than this.

The electrical system of homing has the definite advantage over optical and infrared systems in that it is independent of weather conditions. Optical and infrared methods are useless in rain and fog and, to a certain extent, in darkness. Acoustical systems run into difficulties owing to self-noise of the missile, as previously mentioned.

Conclusions

With rockets and guided missiles becoming increasingly important, it is apparent that any nation interested in, and capable of, devising such weapons will concomitantly evince interest in homing devices. Successful development of long-range missiles, capable of elementary guiding up to a reasonable distance from a target—and from there guided accurately by a homing device—would produce a lethal weapon of extreme importance.

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*Director of Intelligence,
WDGS, War Department,
Washington 25, D. C.*

Communications should refer to this publication, setting forth item and page to which reference is made. In reporting information, the contributor should identify and evaluate his sources and give the dates of incidents mentioned.

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NAVY DEPARTMENT

25 MAR 1947

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S-E-C-R-E-T

INTELLIGENCE REPORT **F5-2198**

BID 8600.0712

Serial R-5-S-47
(Start new series each year, i. e. 1-4, 2-43)

Monograph Index Guide No. 804-3800/910-3500
(To correspond with SUBJECT given below. See O. N. I. Index Guide.
Make separate report for each main title.)

From U.S. Naval Attache at Helsinki, Finland Date 10 February 1947
(Ship, fleet, unit, district, office, station, or person)

Reference (a) Alusna Helsinki R-21-S-46 dated 22 August 1946
(Directive, correspondence, previous related report, etc., if applicable)

Source Press and Official Liaison Officer Evaluation C-3
(As official, personal observation, publication, press, conversation with—
Identify when practicable, etc.) A-1 to EO etc
AR/EN 3-10; SER. 4312416-11-18-42

Subject FINLAND - Army/Navy - Guided Missile
(Notion reported on) (Main title as per Index Guide) (Subtitles) (Make separate report for each title)

BRIEF—(Here enter careful summary of report, containing substance succinctly stated; include important facts, names, places, dates, etc.)

Strange light phenomenon, or rocket, observed by amateur astronomer over Helsinki at 182130 January 1947; parachute appears to drop; no reliable information obtained to date other than the press story.

1. Since 20 August 1946, no more "ghost rockets" have been reported by the Finnish press. Up to that time numerous observations had been made, mostly by inexperienced observers, of objects resembling rockets flashing across the sky.
2. On the evening of 18 January at 21:30 another rocket-like phenomenon was reported over Helsinki. Since the day following this observation efforts have been made to follow up on the story. Numerous contacts have been checked but no additional information could be secured. The only information available is that which appeared in the newspapers, a translation of which appears below:

"An amateur observer (M. Niamala) observed what appeared to be a rocket at 2130 on Saturday evening. Mr. Niamala, who was working at the Ursa Observatory, claims he saw a clear yellow light which was visible for almost 10 seconds, at three second intervals. It appeared and disappeared five or six times, after which the flame (light) changed to a white glow and finally a dark red color. The rocket seemed to be on a curving course approaching from the north and at an altitude of about 2,000 meters. Just before the rocket disappeared (for the last time) an object resembling a parachute was seen to fall to earth. This was observed through a telescope".
3. Efforts will be made to obtain more information about this observation.

Prepared and Forwarded by:

F. A. Klaveness

F. A. KLAVENESS,
Commander, U.S. Navy,
U.S. Naval Attache.

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MATERIAL DATED 15 Oct 47		ORIGINATOR'S NO. 209-S-47							
KEYED Op32-145 28 Oct 47		ENCLOSURES							
IN DATE 28/10		OUT DATE 15-17-47							
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1. Since the coverage of aviation armament is pending assignment to this NLO for Guided Missiles as an additional duty, he accompanied Captain Frank B. Miller, USN (BuOrd) and Commander T.H. Jenkins, USNR (Aluzna, London Aviation Armament Officer) on a tour of Scandinavian armament firms to become acquainted with the contacts. While in Sweden opportunity was afforded to discuss guided missile development with personnel of the Swedish Air Ministry and SAAB (Svenska Aeroplan Aktiebolaget) aircraft company. The main sources of information were the Colonel ~~W. J. ...~~, Director of Guided Missile Section, Air Ministry, Mr. Werner, project engineer, and the SAAB guided missile project engineers, Mr. Brasjö and Mr. ~~...~~

2. This report offers additional details of the pileless aircraft work in Sweden previously reported by Captain J.E. Pearson in reference (A). Once again it should be pointed out that the Swedish contacts welcomed the opportunity to discuss their projects with interested observers and spoke openly of the restrictions preventing exchange discussions with resident military and naval personnel.

3. A summary of the guided missile effort is as follows:-

- (a) Type 250 IT - code name 'GEM' - (GEM)
 - Weight 500 lbs.
 - Wingspan 100 lbs.
 - Propulsion - fuel jet - gasoline (similar to V1)
 - Range - 20 miles at 500 mph.
 - Control - preset autopilot with radar homing and trajectory
 - Catapult launched.

Remarks: This missile was a naval requirement and constituted the first effort in guided weapons. It never progressed out of the project study

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INTELLIGENCE REPORT

BID INDEX GUIDE

NUMBER: ENOG-0304

Monograph Index Guide No. 1004

Serial AR-547
(Short form unless noted, 1 to 4-4, 5-4)

(To correspond with SUBJECT data format, see O. N. I. Index Guide
Data separate sheets for each page listed)

From NAVAL ATTACHE of LONDON Date 17 February 1947

Reference _____
(Direction, correspondence, previous related report, etc. if applicable)

Source SWEDISH - OFFICIAL Evolution A-1
(As official, personal observation, publication, press communication, etc. -
Specify when practicable, etc.)

Subject SWEDEN - AVIATION - SEE BELOW
(Nation reported on) (State title as per Index Guide) (Subject) (Make separate report for each item)

BRIEF - Give a brief summary of report, including substance, scope, dates, important facts, names, places, dates, etc.

Subject: Visit to Stockholm, Sweden - Report on Pilotless Aircraft
built in Sweden and Strange Guided Missiles over Sweden.

Enclosure: (A) Photograph of Design 301 (Model) - 2 views.
(B) Photograph of Design 302 (Model)

1. In connection with a visit to Stockholm, Sweden, an opportunity was afforded to discuss pilotless aircraft matters with members of the Air Ministry staff and with engineers of Svenska Aeroplan Aktiebolaget. This material is turned in separate from the general report to facilitate handling in the Navy Department. It is believed that some of it has not been given to the local Naval Attache's staff due to the insistence of the Russian Attache on obtaining equivalent information to that which is given to any Attache. This prevents the Swedish Air Ministry from making general distribution of information to Britain and America.

2. The Pilotless Aircraft - Guided Missile work in Sweden is divided into the following classes and handled by the organizations as indicated below:

- Ground to Air - Army
- Air to Ground - Air Ministry
- Ground to Ship
(or Ship to Ship) - Navy

Most of the manufacturing of missiles with wings is apparently accomplished at SAAB for all three services and the technical problems in connection with the flying of the ones that have been manufactured to date are believed to be handled by qualified personnel in the Air Ministry. The work comes under Lt. Col. Westergaard who has under him Major T. Edlen and Mr. S. Warner, Chief Project Engineer.

3. The only missile which is flying to date is the 301, a photograph of which is enclosed. There have been five built and several of these have been flown. It is understood that they have no telemetering and that they contemplate a long programme of testing prior to being able to control adequately such a missile.

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cc-Bureau of Aeronautics, with Enclosures (A) and (B)
cc-DCNO (Air) with Enclosures (A) and (B)

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Serial: A9-8-47

17 February 1947.

Subject: Visit to Stockholm, Sweden - Report on Pilotless Aircraft
built in Sweden and Strange Guided Missiles over Sweden.

99

4. Although it was developed for the Navy it has been studied by the Air Force with a view to using it under a dive bomber. It has 45 seconds burning and if launched from an airplane it is contemplated that the range will be about five miles. Its total weight is about 950 lbs. and it contains 400 lbs. of explosive distributed along the leading edge of the wing as indicated on the enclosed photograph. It was designed specifically for an under-water hit and it was represented to the undersigned that the distribution of explosive along the leading edge was selected in order to increase the effective damage.

5. The second type of missile or pilotless aircraft is termed SOF and is under development by the Air Ministry for use on aircraft for an under-water hit. Enclosure (B) indicates the general nature of this missile. It is understood that it will have a ram-jet engine and will be suitable for dropping from a fighter-bomber as well as a dive bomber. Details of construction have been requested and will be forwarded when received.

6. There is apparently considerable interest in guided missile or pilotless aircraft work in Sweden. They are at present trying to decide the type of guidance to be used and are somewhat at a loss due to lack of telemetering as well as guidance equipment such as that which has been well developed in America. It is known that they are interested in sending personnel to America to study our methods and it is believed that it would be worth while granting such a request.

7. During the conversation on guided missiles Colonel Westergard who heads up the Airplane Design Section of the Air Ministry made the following statements relative to the missiles which have been reported over Sweden from an unknown source:

(a) There have been about 1,000 observations of which about 40% are reliable. These observations are not necessarily of different missiles, as many reports have apparently been made on the same missile. They seem to run from a point near Peenemunde and the general path is judged to be between Peenemunde and Karelia (near Finland).

(b) It was stated that the best observation was from an officer of an artillery group who sighted a missile in his optical range finder and was able to follow it for about 1 1/2 minutes. It was in approximately level flight at about 8,000 metres distance and was reported as being about 12 metres long, shaped something like a torpedo. Due to the angle the officer was unable to determine whether or not there were wings.

(c) It was stated that every time a Swedish airplane flies over the Baltic anywhere near Peenemunde a Russian airplane promptly appears and shadows it. From this the Swedes assume that the Russians must have good radar coverage of this area. It was also stated that they understood that all civilians had been evacuated from Peenemunde or Ussale.

8. This report has been coordinated with the Military Air Attache, London.

PREPARED BY:

J. Pearson
J. B. PEARSON, Jr. Captain, U.S. Navy.

FORWARDED BY:

R. F. Hickey
R. F. HICKEY, Captain, U.S. Navy.
By direction.

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AMERICAN EMBASSY
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LONDON

S78-1(5)

Serial:

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SC-730/

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From: U. S. Naval Attache, London.
To: Chief of Naval Intelligence.

Subj: Alleged rockets over Sweden, possibly three or more.
Ref: (a) ONI Sec. Ltr. 001642P32 of 4 Feb. 1947.
(b) COMNAVEU Sec. NNI-96, 752-S-46 of 20 Sept. 1946 and enclosures thereto.
(c) ALUSNA Sec. NNI-96, A346-S-46 of 6 Dec. 1946 and enclosures thereto.

1. Since the issue by the Air Ministry of the two papers on the alleged rockets over Sweden, references (b) and (c), both of which were forwarded to ONI, no information of sufficient significance has been obtained to warrant even the contemplation of a third paper. However, the Air Ministry did receive from the Swedish Air Force bits of material which had been subjected to high temperatures, and which the Swedes thought might possibly have been a part of a guided missile. These bits of material were given thorough tests and sent back to Sweden with the report that they in themselves did not afford sufficient evidence to show they were part of a guided missile.

2. During the first week in February, 1947, Captain J. B. Pearson, Jr., USN was given the following information by a Swedish Air Force officer, which has been reported in N.A. London NNI-96, A9-S-47 dated 17 February 1947:

"A Swedish Artillery officer sighted a missile in an optical range finder and was able to follow it for about one and a half minutes. It was approximately in level flight at about 8000 metres distant, and was reported as being about twelve metres long, shaped something like a torpedo. Due to the angle, the officer was unable to determine whether or not there were wings."

The object was sighted to seaward.

~~TOP SECRET~~

doesn't check with trajectory

W. J. Keenan 3615

#1

DECLASSIFIED
 Authority *AND 755010*
 By *MM* NARA Date *7/29/97*

WAR DEPARTMENT
 CLASSIFIED MESSAGE CENTER
 INCOMING CLASSIFIED MESSAGE

102

TOP SECRET

TOP SECRET AUG

PARAPHRASE NOT REQUIRED. HANDLE AS TOP SECRET CORRESPONDENCE
 PER PARAS 511 and 60a (4) AR 380-5

MC 6984

From: US Mil Representation for ACC Bulgaria, Sofia,
 Bulgaria sgd Yatosvitch

To: War Department for WDCID

Info: COMGENUSFET Frankfurt Germany; COMGENUSFA Vienna
 Austria; ACC Hungary; ACC Rumania; MA Greece;
 MA Belgrade; MA Paris; AFHQ; MA Turkey (WAR please
 pass to last two)

Nr: 5072

24 February 1947

Item A. Turkish MA reports that Soviets have built
 catapult for launching some form of aircraft near Sofia, and
 have brought into Bulgaria a number of V-2 type missiles.

Comment: Catapult report may be connected with reports
 from Military Attache in Athens and Ankara Turkey that under-
 ground hangar had been built East of Sofia, possibly near
 Novoseltsi. Turks have sent men to area in question to search
 for evidence of underground construction work, catapults and
 other evidence possibly connected with launching of aircraft
 or self propelled missiles.

Item B. Turkish sources in Burgas report that Soviets
 have instructed Mayor of Burgas to advise hotel operators
 that all hotel space is to be kept in readiness to be turned
 over to Soviet authorities on short notice.

Comment: Instruction to Burgas hotel operators may be
 connected with plans for Soviet evacuation. No similar action
 has been reported from Varna, which is also logical point of
 departure for Soviets.

CM IN 4097

(24 Feb 47)

TOP SECRET

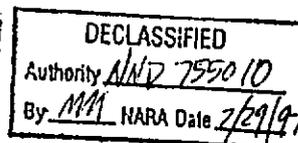
GEN. WEYLAND

GEN. WEYLAND

006949

33

COPY NO.



103

WAR DEPARTMENT
CLASSIFIED MESSAGE CENTER
INCOMING CLASSIFIED MESSAGE

TOP SECRET AMUG

**TOP
SECRET**

Page 2

From: US III Representation for ACC Bulgaria, Sofia,
Bulgaria and Yatskevitch

Re : 5072

24 February 1947

Item C. Appearance of at least 4 new blocks of vehicle registration number in Sofia area considered partial confirmation that there has been additional influx of Soviet troops into Bulgaria during past 3 months. New blocks are B-1-49-XX, B-1-74-XX, B-3-24-XX, and Cyrillic B-9-93-XX.

Item D. According to C-2 report, Soviet unit wearing green shoulder boards and of approximately regimental strength was seen marching through Plovdiv during first days of this month.

Comments: NVD frontier troops may have been withdrawn to Plovdiv area from Greek border area as part of general move from border area connected with visit of Border Incident Commission. Hitherto only occasional officers and enlisted men of NVD frontier troops have been in Sofia and Plovdiv. Estimate by source of unit as Regiment probably exaggeration.

End

This msg has been relayed to NA Turkey; AFHQ.

ACTION: Gen Chamberlin

INFO : Gen Spaatz, Adm Leahy, JCS, Adm Flantz, Gen Norstad,
CSA

CM IN 4097

(24 Feb 47)

DTG 241100B mee

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COPY NO.

33

THE MAKING OF AN EXACT COPY OF THIS MESSAGE IS FORBIDDEN

DECLASSIFIED
Authority NAID 755010
By MM NARA Date 7/29/97

104

MC6949

SEP 25 01 59 AM '17

29 GEN. EAKER

~~file~~ ~~DESTROYED~~ file

30 GEN. CHAUNCEY

~~file~~ ~~DESTROYED~~ file

31 GEN. WEYLAND

GEN PARTRIDGE

GEN. ANDERSON

32 GEN. McDONALD

SECRET

105



HEADQUARTERS, ARMY AIR FORCES
WASHINGTON

28 February 1947

MEMORANDUM FOR CHIEF, AIR INTELLIGENCE DIVISION

SUBJECT: Daily Activity Report

1. Lt. Colonel Barrett and Mr. Carroll briefed a special party in General Spaatz' office.
2. Submitted to Air Estimates Branch rough draft of JANIS 51 - Turkey.
(RESTRICTED)
3. Mr. Baxa, Civil Service analyst, was interviewed by Branch and Section Chiefs in connection with survey of CAF jobs in Defensive Air Branch.
4. Captain Haller, Scientific Branch, Intelligence Division, WDGS, questioned an electronics statement in Study No. 136.
5. Members of the Branch interviewed Mr. Flickinger, Vice President in charge of exports for Republic Aviation Corporation, who has recently returned from Sweden. Among other things, Mr. Flickinger revealed the following intelligence:
 - a. Swedish aircraft industry was primarily interested in research and development in aircraft and engines as compared to production. One wind tunnel is now under construction but not in operation. One underground aircraft factory, employing 2,000 workers, was in operation at the time of Mr. Flickinger's visit. This factory was mined for defense so that it could be detonated by one man from a post five miles away in case of attempted capture or occupation by an enemy. All underground factories in Sweden are equipped in this manner and it is believed that all future factories will be built underground as this is considered by the Swedes as the most economical installation, in addition to affording protection in case of future conflict.
 - b. Mr. Flickinger reported that to his knowledge there was no biological warfare research under way or contemplated in Sweden, but that atomic energy research is being carried on to the extent of pursuing the basic principles for the release of atomic energy. Mr. Flickinger stated that he had seen one of the Swedish "spook rockets" in flight, which resembled the

SECRET

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buzz bomb but was somewhat smaller. The noise from this missile was more like that of a rocket than like a V-1.

c. Mr. Flickinger stated that he had seen some AA guns in place in Stockholm and around Swedish airfields but could give no more definite information in this respect.

d. Mr. Flickinger did spend a short time in the Netherlands and learned that the Fokker Aircraft factory there employs approximately 4,000 people. This factory is nationalized and at present is producing light aircraft. However, a jet propelled transport is currently under consideration.

Defensive Air Branch Comment: The jet propelled transport is the Fokker F-26 "Phantom", previously reported as an Item of Interest on 6 December 1946. This transport is currently under design and is powered by two jets mounted under the fuselage, having a capacity of 17 passengers and a pressurized cabin, to operate up to 40,000 feet. The power plants are planned to be Rolls Royce R.B. 41 "Nene I" turbojet engines of 5,000 lb. static thrust each. The designed performance of the aircraft is reported to be cruising speed of 435 knots at 40,000 feet, a range of approximately 570 nautical miles.

e. Mr. Flickinger stated that everything was in chaos in France and there was no new production there. He stated that he believed the commercial air transport situation in France would improve as soon as the new director of France took over. (CONFIDENTIAL)

f. Members of the Branch interviewed Captain Dankevich, recently Assistant Military Attache, interpreter and aide at Moscow. Captain Dankevich revealed the following information of interest:

a. The average Russian civilian, he believed, does not think of war between Russia and the United States as inevitable as the civilians are too busy lining up in food queues and worrying over their own personal economic problems.

b. There is apparently no restriction of radios in Moscow but those that exist are of poor quality. The British have been broadcasting to the Russian civilians for some time but few Russians appear to listen.

c. The Russians are apparently making a definite effort to propagandize the necessity for a strong air force. Their definition of a powerful air potential appears to be a matter of quantity rather than quality.

d. Captain Dankevich reported that no new industrial augmentation can be noted in Moscow since the erection of the Ford Rubber plant started during World War II, but mentioned Magnitogorsk, in the southern Ural area, as a city wherein new industrial construction of some type is apparent.

SECRET

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e. Personal conversation by Captain Dankevich with Russians leads to believe that Russian pilots dislike instrument and night flying, and reported a complete lack of flying activity at Moscow airfields during element weather and/or at night.

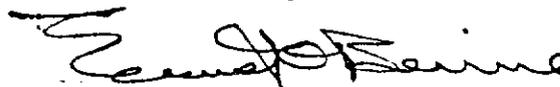
f. The camouflage on buildings which existed in Moscow in 1941 and during World War II has been allowed to deteriorate with no new camouflage paint.

g. Captain Dankevich stated that he had seen some AA guns in Moscow, apparently in tactical positions and some radar antennae in the Moscow area, but could give no specific information, sketches or details. (CONFIDENTIAL)

7. Members of Defensive Air Branch interviewed 1st Lieut. Anderson, former Assistant Military Attache to Chile, who stated that he was unaware of any developments, trends or interests by Chile in early warning radar, electronic research, atomic energy or biological warfare, and had practically no information on Chilean aircraft.

8. R&R was prepared to Air Intelligence Requirements Division for Air Intelligence Division signature, subject: "Action on Intelligence Division, IS Comments on Various Questions of Part II, Air Intelligence Requirements Division". (SECRET)

9. Colonel Hughey, newly assigned A-2 representative to J.I.S., was interviewed by Captain O'Beirne and Lt. Colonel Chase.



EMMET O'BEIRNE
Captain, U. S. Navy
Chief, Defensive Air Branch
Air Intelligence Division
Office of AC/AS-2

SECRET

CONFIDENTIAL

HEADQUARTERS, ARMY AIR FORCES
WASHINGTON

108

IN REPLY REFER TO:

28 February 1947

MEMORANDUM FOR AC/AS-2 and CNI

SUBJECT: Daily Activity Report

Item of interest - source from Sweden

*AVIATION COMPANY
OFFICIAL*

1. Members of the Defensive Air Branch of this division interviewed ~~Mr. Flickinger, Vice President in charge of exports for Republic Aviation Corporation~~, who has recently returned from Sweden. Among other things, ~~Mr. Flickinger~~ revealed the following intelligence information:

He
a. Swedish aircraft industry was primarily interested in research and development in aircraft and engines as compared to production. One wind tunnel is now under construction but not in operation. One underground aircraft factory, employing 2,000 workers, was in operation at the time of ~~Mr. Flickinger's~~ visit. This factory was mined for defense so that it could be detonated by one man from a post five miles away in case of attempted capture or occupation by an enemy. All underground factories in Sweden are equipped in this manner and it is believed that all future factories will be built underground as this is considered by the Swedes as the most economical installation, in addition to affording protection in case of future conflict.

He
b. ~~Mr. Flickinger~~ reported that to his knowledge there was no biological warfare research under way or contemplated in Sweden, but that atomic energy research is being carried on to the extent of pursuing the basic principles for the release of atomic energy. ~~Mr. Flickinger~~ stated that he had seen one of the Swedish "Spook Rockets" in flight, which resembled the V-1 buzz bomb but was somewhat smaller. The noise from this missile was more like that of a rocket than like a V-1.

He
c. ~~Mr. Flickinger~~ stated that he had seen some AA guns in place in Stockholm and around Swedish airfields but could give no more definite information in this respect.

The source
d. ~~Mr. Flickinger~~ did spend a short time in the Netherlands and learned that the Fokker Aircraft factory there employs approximately 4,000 people. This factory is nationalized and at present is producing light aircraft. However, a jet-propelled transport is currently under consideration.

CONFIDENTIAL

109

COMMENT: The jet-propelled transport is the Fokker F-26 "Phantom", previously reported as an Item of Interest on 6 December 1946. This transport is currently under design and is powered by two jets located under the fuselage, having a capacity of 17 passengers and a pressurized cabin, to operate up to 40,000 feet. The power plants are planned to be Rolls Royce R.B. 41 "Nene I" turbojet engines of 5,000 lb. static thrust each. The designed performance of the aircraft is reported to be cruising speed of 435 knots at 40,000 feet, a range of approximately 570 nautical miles.

The Same

e. ~~Mr. Flickinger~~ stated that everything was in chaos in France and saw no new production there. He stated that he believed the commercial air transport situation in France would improve as soon as the new director of Air France took over. CONFIDENTIAL
(Capt. O'Beirne, USN, Ext. 2466)

for *Clare T. Ireland*
Way
JAMES F. OLIVE, Jr.
Colonel, G. S. C.
Chief, Air Intelligence Division
(AC/AS-2 - O. H. I.)

CONFIDENTIAL

ISSUED BY THE INTELLIGENCE DIVISION
OFFICE OF CHIEF OF NAVAL OPERATIONS
NAVY DEPARTMENT

CLASSIFICATION

SECRET

INTELLIGENCE REPORT

(Reference to this report must specify Serial No., Place and Date.)

Serial 22-5-47 at Stockholm, Sweden Date 15 April, 1947
(Serials series each year, 1-9, 1-43, 2-43.)

From U. S. Naval Attache B.I.D. 0407.
(State, race, unit, district, office, station, or person) Monograph Index Guide No. 804-360
Main separate report for each main title. See O. N. I. Index Guide.

Reference See below
(Directive, correspondence, previous related report, etc., if applicable)

Source Personal observation Evaluation A-2
(No official, personal observation, publication, press, conversation with—
Identify where practicable, etc.) A) to F-O etc.
Ref: AS/EN 3-10; SER. 4312416-11-13-42

Subject SWEDEN Guided Missiles Alleged rockets over Sweden
(Main title as per index guide) (Subtitles) (Main separate report for each title)

BRIEF: (Here enter careful summary of report, containing substance succinctly stated; include important facts, names, places, dates, etc.)

Aluma Stockholm's final opinion regarding the alleged rockets over Sweden in 1946 is that the widespread press reports last summer were not based on available factual evidence, that it is very doubtful if any of the reported missiles landed in Sweden, and that while a few stray guided missiles may have passed over Sweden, the Swedes have as yet brought forth no tangible evidence, and still insist officially that there is none.

Refs: (a) ONI Secret Ltr (SC)AS-2/EF66 Op-32F411, Ser 001642P32, dated 4 Feb 1947.
(b) NA Stkm Secret Report No. R164-47, dated 14 Mar 1947.

Encl: (A) Copy of reference (b).

1. Reference (a) requested that this office forward its final opinion regarding the alleged rockets over Sweden.

2. To date no evidence is available to this office that any rockets or projectiles launched by a foreign power have passed over or landed on Scandinavian territory, although both the Swedish and the British intelligence services had stated that they would notify this office if any concrete evidence was obtained. (German V-2's landed in Sweden in 1945).

3. It is the opinion of this office that no foreign-launched guided missiles have landed in Sweden since the end of the war, and that the Swedes have no tangible evidence or even photographs to prove that such missiles have passed over Swedish territory. This skepticism is shared by N/A Stockholm's office (reference (b), enclosed). (German V-2's landed in Sweden in 1945)

4. While it is possible that a few captured German V-2's or other Russian-launched guided missiles may have gone astray and landed in Baltic waters, it

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CLASSIFICATION

Op 03		Op-32-F114	(2)
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MID	(6)	F-2	(2)
OHR		32-V	
		F121	
		F411	
		32-Y	(3)
		SR	
		FIR	

AA 51176

Encl 7 114 (2)
7V (2)
32V (2)
7.5- (4)

DECLASSIFIED

Authority NND 55-7303
By AB NARA Date 7/25/97

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Use this form for page 1 (original and copies) Use this 2 by 13 in. form for additional pages. Forward to... if an original and a "Photostat Master" copy. Officers preparing and those forwarding reports for the first page of original and retained the copy of report only. Submit copies of simplicity, etc., when practical. If practically, prepare summaries on "Photostat Master" or to a form attached to the back and with reproduction.

110

2724

is not believed that any have landed in Sweden. However, it is quite possible that a few guided missiles may have passed over Swedish territory.

5. The subject has in the past few months been allowed to die a quiet death, and Swedish officials prefer to dismiss it as an unexplained press sensation.

AAA

*Prof. K.
H. U. ...
S. ...*

*Final
... ..
...*

DECLASSIFIED
Authority NAD 55-2303
By MB NARA Date 7/25/97

DECLASSIFIED
 Authority *NND 863511*
 By *KC* HAPA Date *7/3/87*

~~CONFIDENTIAL~~

000.681 Flying Missiles

112

000.76 General
 091.713 Sweden
 095. Balchen, Bernt
 210.681 Sweden
 26 Nov 1947

FROM: AFOIR-CO

TO: CG, AMC, Wright Fld., Dayton, Ohio Attn: TSNLI-2

Ltr

SUBJECT: Mysterious Missiles Reported in Sweden

1. Reference is made to your letter of 17 October 1947, subject as above.

2. Information available at this Headquarters regarding the subject is as follows:

a. Captain R. V. A. Thorien, Royal Swedish Navy, in a conference at this Headquarters on 7 October 1947 stated that the Swedish "ghost rockets" were fired from Peenemunde. In further discussion he stated that: These rockets had been sighted making a 180° turn; that 33 of the sightings were believed to be ~~possibly~~ factual; the missiles are flying again, and new launchings have been reported headed south from the northern Petsamo Area.

b. Mr. Bernt Balchen, Norwegian Airline director and former Colonel, USAF, was interviewed by personnel of this headquarters, on 14 October 1947. Mr. Balchen gave information concerning two radar locations in the Petsamo area and a rocket firing incident observed in the same area.

c. General Kessler, recently returned from Stockholm, where he was US Military Attache, did not agree with Captain Thorien's information. In fact, he categorically stated that only two sightings could possibly have been factual and he does not think sufficient evidence exists to authenticate these two.

* * *

FILED UNDER: 471.94 Rockets

~~CONFIDENTIAL~~

DECLASSIFIED
Authority AND 803511
By KC NARA Date 7/3/47

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~~CONFIDENTIAL~~
HEADQUARTERS
AIR MATERIEL COMMAND

In reply address both communication and envelope to Commanding General, Air Materiel Command, Attention following office symbol:

MCIA/ACI/amb
Wright Field, Dayton, Ohio

23 January 1948

MCIA

SUBJECT: Project "SIGN"

TO: Chief of Staff
United States Air Force
Washington 25, D. C.
ATTN: AFOIR, Lt Col George Garrett

1. In connection with the investigation of flying discs, Project "SIGN", it is believed that the various unidentified flying objects seen over Sweden (so-called "Swedish Incidents") might be helpful. It is our understanding that a comprehensive file of these incidents accumulated during the past two years is located at your Headquarters.

2. It is requested, therefore, that the entire file "Swedish Incidents" be forwarded to this office for review as soon 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 GENERAL:

/s/ W. R. Clingeran Col USAF
for H. M. McCoy
Colonel, USAF
Chief of Intelligence

~~CONFIDENTIAL~~

DECLASSIFIED
 Authority AND 3511
 By KC HAPA Date 7/3/17

000.9 Flying Discs

~~SECRET~~

471.94 Rockets

114

17 Feb 1948

FROM: AFOIR-AA

Memo

* * *

e. Dr. Wilkenson described efforts of the Swedish government and his company to perfect V-1 type guided missiles and stated that they were experiencing considerable difficulty in matters of fuel consumption and that they had called in a German scientist who was an expert on the V-1. This German scientist in all of his calculations showed that their V-1 model should be actually getting five times as much range as they were getting in their experiments.

3. Dr. Wilkenson apparently had very definite ideas with regard to the much-discussed "meteors" that have been seen over their country, but Colonel von Schinkel got into a very excited discussion in Swedish with Dr. Wilkenson, which apparently changed his ideas about making any statement on the subject.

* * *

FILED UNDER: 470. Armament & New Weapons

~~SECRET~~

115

Subject: Observation by GEN Jung
Date: Wed, 24 Jun 1998 18:27:36 -0700
From: Jan Aldrich <jan@CYBERZONE.NET>
Reply-To: Discussion about UFOs and research for PROJECT 1947 <PROJECT-1947@LISTSERV.AO
To: PROJECT-1947@LISTSERV.AOL.COM

The following was from the USAF Directorate of Intelligence Daily Briefing reports for 1948.

--
Jan Aldrich
Project 1947
<http://www.iufog.org/project1947/>
P. O. Box 391, Canterbury, CT 06331, USA
Telephone: (860) 546-9135

=====

TOP SECRET

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON

24 August 1948

AFOIR-RC

MEMORANDUM FOR EXECUTIVE, AIR INTEL, REQUIREMENTS DIVISION

SUBJECT: SUPPLEMENT to Daily Activity 24 Aug 1948

1. It has been noted in cable brief that Sweden Armed Force C in C, General Jung, saw an aerial explosion considered to be some form of guided missile originating from Estonian islands, possible Dago or Osel. A point of interest lies in the fact that recent word has been received from out attache in Stockholm of a reconnaissance sortie accomplished over Osel and the stated intention of further aerial reconnaissance there. The Swedish reports have mentioned civilian evacuation on the western coast of the above islands.

2. The Swedish aerial reconnaissance stems from an arrangement which was made with the Directorate of Intelligence for the loan of long focal length cameras to the Swedes.

3. General Jung has a keen interest in the products of reconnaissance in a personal as well as an official way. He has as a personal friend the head of the section of the General Staff of Defense which is charged with covert reconnaissance; General Jung's sister-in-law holds a key position in that section.

4. It is believed that photographs of the area will be received in the near future. (Lt Col Fuller 2376)

/s/ J. E. Mallory
/t/ J. E. MALLORY
Colonel, USAF
Chief, Reconnaissance Branch

117

Subject: Re: Observation by GEN Jung
Date: Thu, 25 Jun 1998 10:58:59 -0700
From: Jan Aldrich <jan@CYBERZONE.NET>
Reply-To: Discussion about UFOs and research for PROJECT 1947 <PROJECT-1947@LISTSERV.AO
To: PROJECT-1947@LISTSERV.AOL.COM

Clas Svahn wrote:

>
> Regarding General Jungs observation from 1948 UFO-Sweden has been
> working on this since a couple of months. This far we have copied notes
> from Helge Jungs diary that describes the incident in detail. We have
> also secured copies of reports of the diving efforts made in the lake
> where the General saw the missile crasch. Due to lack of time I have
> not been able to continue this investigation for a while but I will
> start digging into the archives later this summer.
>
> Clas Svahn
> UFO-Sweden

It is interesting that in the Maxwell *paper* archives this document was not available, however, on the microfilm it was. (When I copied this, I did not notice that it was TOP SECRET. All TOP SECRET supplements in the original files had been removed.) I would like to find the original cable to the USAF.

Best regards,

Jan

--

Jan Aldrich
Project 1947
<http://www.iufog.org/project1947/>
P. O. Box 391, Canterbury, CT 06331, USA
Telephone: (860) 546-9135

ation by GEN Jung

mailbox:/C%7C/NETSCAPE/mail/983BOX?id=3591A788.2E82@cyberzone.net&number

Air Intelligence Requirements Div.
Directorate of Intelligence

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TOP SECRET

Air Intelligence

DECLASSIFIED

RGSPB 100-48 Dec 1978

BY NSHRG

OCTOBER 1948

Volume 1, Number 3

DIGEST



Chief of the Soviet Long Range Air Force—See "THE SPOTLIGHT" ~~CONFIDENTIAL~~

Published by

Directorate of Intelligence, United States Air Force

SWEDEN

**Experimental Jet Fighter
Makes First Flight**

Sweden's experimental jet fighter, the J.29, completed its first flight 1 September at Laskafing. The aircraft reportedly remained aloft two and a half hours.

The J.29 has a swept-back wing, is powered by a De Havilland "Ghost" turbojet engine rated at 5,000 pounds thrust for takeoff. The craft is designed for a maximum speed of 568 knots at sea level, and a service ceiling of 45,000 feet. [Secret]

**First Mosquitoes Arrive,
60 Due by July 1949**

De Havilland Mosquitoes, the first of 60 to be supplied by July 1949, have arrived in Sweden. Rate of delivery is to be stepped up to 6 a month. The aircraft are delivered with complete night fighter equipment, including radar, and will be placed in three night fighter squadrons. The three squadrons will improve the defensive capabilities of the Swedish Air Force. [Secret]

Fires in the Sky

An increase in the number of incidents over Sweden during the summer may be connected with Soviet guided missile tests in the Lake Seliger area (57° N.-33° E.) or along the Baltic coast of Estonia.

About 32 launching sites reportedly exist in areas fronting on the Baltic Sea. Swedish sources claim to have confirmed the existence of three such sites. Reoccurrence of so-called "rocket incidents" over Sweden is important in view of the reported move of Peenemunde launching facilities to locations in the USSR.

Earlier, the greatest number of incidents in Scandinavia occurred in 1946, when the Peenemunde facilities reportedly were being used in trial launchings of German World War II missiles then being manufactured in the Soviet Zone of Germany.

Sightings of rockets over Scandinavia ceased with the reported removal of Peenemunde facilities but began again almost coincidentally with the reported establishment of test facilities in the USSR.

Any missiles being test-fired by the Soviets in areas such as the Baltic probably are slightly improved versions of German World War II types, and those which may be under development at installations in the interior regions of the USSR possibly are more advanced types. [Secret]

Alarmed

Under a Stockholm dateline, the New York Times recently reported that, "Alarmed by the present international tension, the Swedes have taken a number of military security measures. Some of these measures are understood to go beyond any preparations the Swedes made during World War II. While their nature is secret, it is known that sea and land minefields have been laid at vulnerable spots."

Reserve officers are rushed through training periods and home guard drill is pushed effectively. Air Force training has been intensified. Measures have been prepared to deal with the fifth column. The New York Times also stated that "Plane production has been stepped up considerably. The country can put 600,000 men in the field on short notice, it is estimated, in addition to the Navy and Air Force."

The Swedes possess a first-class intelligence service. If the New York Times report is true, the Swedish Government must have received very strong warnings. [Secret]

TURKEY

Air Force Starts Transport Service

Recent inauguration of a scheduled air transport service by the Turkish Air Force marks a decisive step in overhauling the logistical system of the Air Force. The new service will improve maintenance efficiency in a marked degree, and will provide excellent training for pilots.

COUNTRY SWEDEN		REPORT NO. TR 115-48	(LEAVE BLANK)
AIR INTELLIGENCE INFORMATION REPORT			
SUBJECT Project "SIGN"		AF-33165-1	
AREA REPORTED ON Sweden		FIELD (Agency) OAA-Sweden	
DATE OF REPORT 30 December 1948	DATE OF INFORMATION 29 December 1948	EVALUATION B-2	
PREPARED BY (Officer) Donald L. Hardy, Colonel, USAF		SOURCE Swedish Defense Staff	
REFERENCES (Control number, directive, previous report, etc., as applicable) Source Control No. AWC-435			

SUMMARY: (Enter concise summary of report. Give significance in final one-sentence paragraph. List references at lower left. Begin text of report on AF Form 112—Part II.)

1. The Swedish Defense Staff has no proof that any unidentified flying objects, missiles or vehicles have passed over or near Sweden to date.
2. All reports of sightings in Sweden during the past year, irrespective of to whom they were submitted, have been funneled to a special section of the Defense Staff where the sightings were plotted. In each case an exhaustive interrogation of the sighter followed, somewhat along the lines of the BEI for Project "SIGN". All evidence obtained of sightings was explicable in terms of astronomical phenomena.
3. In addition, 3 ground radar stations and 2 radar equipped destroyers cooperated in maintaining watch. The radar equipments were Swedish modified British sets of fairly short range and were not operated on a 24 hour basis; however, no unexplained sightings were made with this equipment.
4. Conclusion: Although the possibility exists that objects have traversed Sweden and its adjacent waters, no proof has been obtained to confirm such flight in any instance.

COMMENT: The cooperation of the Defense Staff in securing this information was willingly given in an effort to emphasize their need for additional U.S. radar equipment. The Swedish Air Board had previously negotiated with the Bendis Corporation for 20 TPS Ia sets but had been refused an export license by our State Department. The members of the Defense Staff, to whom I talked, were eager to point out the good use to which such equipment could be put for both ourselves and the Swedes as instanced by our mutual interest in unidentifiable flying objects. However, I am convinced that our refusal to grant an export license for such equipment will do more good in implementing our national policy, as expressed in the National Security Council documents NSC 28/1, than would the information we might receive from the use of such equipment here.

/s/ Donald L. Hardy
DONALD L. HARDY
Colonel, USAF
Air Attache

Distribution by Originator CG USAFE, USFA, AA Oslo, Copenhagen, MA, SD - Stockholm

COUNTRY SWEDEN		REPORT NO. IR 47-49	(LEAVE BLANK)
AIR INTELLIGENCE INFORMATION REPORT			
SUBJECT Guided Missile Activity Over Sweden			
AREA REPORTED ON Sweden		FROM (Agency) OAI-Sweden	
DATE OF REPORT 2 March 1949	DATE OF INFORMATION 2 March 1949	EVALUATION B-2	
PREPARED BY (Officer) H. B. Walsh, Major, USAF		SOURCE Personal Contact	
REFERENCES (Control number, director, previous report, etc., as applicable) R 605-48, Control No. DA-244			

SUMMARY: (Enter concise summary of report. Give significance in final one-sentence paragraph. List inclusions at lower left. Begin text of report on AF Form 112—Part II.)

1. With reference to request dated 18 January 1949, Control No. DA-244, and revised by our cable, the following information is submitted:

- a. Withdrawn (AFOIN Cable 51648 dated 21 February 1949)
- b. Do the Swedes feel that the reported and unconfirmed incidents of guided missile sightings in recent years have any similarity to any such reports that were received in the days when Germany was conducting experiments with missiles in the Baltic area.

Answer: The Swedes feel that the guided missile sightings over Sweden have been natural phenomena only and they have no proof to discount such a statement.

- c. What was Swedish official opinion to unconfirmed guided missile incidents prior to the time that debris of a V-2 missile was actually recovered in Sweden during German experimentation activities in the early part of World War II.

Answer: Swedish official opinion prior to the landing of a V-2 in Sweden, was that a certain number of the "missile sightings" were natural phenomena and a certain number were German fighters at high altitude enroute across Sweden to Norway. This view in fact remained the official opinion even after the V-2 missile landed in Sweden.

Assistant Air Attache Comment: The Sweden actually do not think very much about these reported incidents but attempt to play it up as much as possible to the U. S. Attaches in an effort to show their great need for radar. Continued interest, therefore, on our part towards the last reported incidents, only causes extreme embarrassment when the Swedes emphasize their radar request.

S/ H. B. Walsh
Major, USAF
Assistant Air Attache

APPROVED:

S/ DONALD L. HARDY
Colonel, USAF
Air Attache

THIS IS A TRUE COPY

Distribution by Originator
NAD 36296

CG USAFE, CG USFA, AA Oslo, AA Copenhagen, NA - SD --
Stockholm

~~CONFIDENTIAL~~

HEADQUARTERS
UNITED STATES AIR FORCES IN EUROPE
Office of the Deputy Chief of Staff, Intelligence

34
49

123

AF 633, C/O PM
NEW YORK, N. Y.
25 March 1949

BF 400.112

SUBJECT: Unidentified Missiles Landing in Germany.

TO: Director of Intelligence, DCS/O
Headquarters USAF
ATTN: Air Intelligence Requirements Division
Washington 25, D. C.

AF 57286

1. Reference is made to classified Specific Request for Information, Control No. AMC 987, Headquarters USAF, 8 March 1949, subject as above.
2. The attached two reports of investigation on the alleged mysterious missiles landing in the U.S. Zone of Germany are forwarded for your information and retention.
3. Any additional information on unidentified projectiles landing in the US Zone received by this headquarters will immediately be forwarded.

18

FOR THE DEPUTY CHIEF OF STAFF, INTELLIGENCE:

- 2 Incls ✓
1. 7020th CIU Investigation, 18 February 1949
 2. 7020th CIU Investigation, 4 March 1949

Brooks W Booker Jr
BROOKS W BOOKER JR
Major USAF
Actg Chief, Air Tech Intelligence Branch

AFOIE-CO (AMC-987) (AXO-3) 1st Ind

2 MAY 1949

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

TO: Commanding General, Air Materiel Command, Wright-Patterson Air Force Base, Dayton, Ohio
ATTN: MCIAXF

2 Incls
a/c

PS 5-24

VAD 37466
2277

CONFIDENTIAL

316432

News Articles Regarding "Ghost Rockets"

LaParl, W.P.

Date July 46

125

'GHOST ROCKETS' OVER SWEDEN

TELEGRAM
V-WEAPON RUMOURS

From Our Own Correspondent
STOCKHOLM, Thursday.

For some weeks a fair number of "ghost rockets" going from south-east to north-west have been reported from various parts of the eastern coast of Sweden. Eyewitnesses say that they look like glowing balls and are followed by a tail of smoke more or less visible. So many reports cannot be put down to pure imagination, and the General Staff has started a thorough investigation in the matter.

As there is no definite evidence that the phenomena are of meteoric origin, there is a growing suspicion that they are a new kind of radio-controlled V-weapon on which experiments are being carried out.

12.7.46

SWEDISH INQUIRY

From Our Own Correspondent
STOCKHOLM, Sunday.

Swedish military authorities are investigating reports of rocket bombs falling in the country. A communiqué is likely to be issued in due course. 29.7.46

MYSTERY "STAR" OVER NORWAY

From Our Own Correspondent
16.7.46 OSLO, Monday.

A mysterious object resembling a huge star was observed from Oslo last night. It came from the south and disappeared northwards at a height of 3,000ft.

Witnesses say that its colour was light yellow when it appeared over the horizon, and swiftly changed to a shade of blue. It followed a steady course at a tremendous speed.

Newspapers are requesting people who observed the phenomenon to report to the headquarters of the Air Force and to look out for wreckage.

Objects resembling V-weapons were seen flying over Sweden on July 11 and over Finland on June 10.

TELEGRAM 16.7.46

MISSILES OVER DENMARK

TELEGRAM
COPENHAGEN, Monday.

Two projectiles were reported to have been seen in flight over the week-end by many people near Korsor, western terminus of the railway line from Copenhagen across the island of Zealand.

They were described as shining objects crossing the sky at great speed and visible in bright sunshine for about 10 seconds. Similar reports have come from Norway, Sweden and Finland recently.—Reuter 30.7.46

ocket, Plane it Head-On; Swedes Die

Washington Post

WEDNESDAY, AUGUST 14, 1946

Army Units Alerted; Missiles Make Arc Toward Russia, Newspapers Say

Stockholm, Sweden, Aug. 13 (U.P.).—The fliers were killed when a British military reconnaissance plane collided head-on with a rocket bomb yesterday, Stockholm newspapers reported today. The newspaper Aftonbladet said the reconnaissance plane crashed at Vaggeryd in southern Sweden. Shortly after the plane's pilot ejected the bomb, it said, radio contact was broken and the listening post "heard a crash" the newspaper, quoting investigators, reported. The report, published by other noon newspapers, was not confirmed.

Port Changes of Course
Meanwhile, government authorities prepared a nation-wide search for rockets. Air bases, radar stations and all military units were alerted for immediate action.

A well informed source said the bombs seen recently apparently were radio-controlled. Witnesses reported seeing the bombs change course. The source said the Swedish defense staff has established that the rockets made a wide semi-circle over southern Sweden, probing over northern Finland toward the Kola peninsula of the U.S.S.R.

The second rocket bomb in two days streaked over Stockholm and a meteor early yesterday, unconfirmed press reports said today.

Wishman Quoted
Descriptions of several eyewitnesses coincided with details of the rocket bomb. The newspaper Morningbladet quoted an Englishman as saying "It looked just like the flying bombs I saw in London."

Although the press and public complained bitterly about the rocket bombs, military and government officials remained silent. At the newspaper Dagens Nyheter said editorially that the rocket bombs were a misnomer "earthly phenomenon" and that the ghostly disturbances must be regarded as a preliminary exercise of the most unwelcome kind. "The rockets nearly hit."

Stockholm, Aug. 13 (U.P.).—The newspaper Aftonbladet said today a "ghost rocket" yesterday almost caused casualties. A couple boating on a lake in central Sweden were nearly hit by a flying bomb which burst into parts and disappeared beneath the water, the paper said.

London Times
June 11, 1946

SKY LIT UP IN SOUTH FINLAND

FROM OUR CORRESPONDENT
HELSINKI, JUNE 10

A powerful light in the sky was observed on Sunday night from several places in south Finland. At Helsinki it lit up the sky for 10 minutes, leaving a trail of smoke. Two minutes after its disappearance a rumbling sound was heard far away. Estimates as to its direction were contradictory. Military eyewitnesses were convinced that the object, whatever it was, was rocket-driven.

Washington Post
Aug. 13, 1946

They Laud at 3 Points

Sweden Rushes Army Experts To Points Where Rockets Fell

Stockholm, Sweden, Aug. 12 (U.P.).—The Swedish army today rushed experts to three points in central Sweden where unidentified rockets, rumored to be the results of Russian experiments, crashed last night.

The barrage, witnessed by hundreds of Swedes, was the heaviest since the mysterious missiles first were seen flashing through Swedish skies on May 24. Since then similar missiles have been reported sighted in Finland, Denmark and Norway.

Unconfirmed rumors said the Russians were experimenting with rockets and flying bombs, probably launching them from some point in Estonia on the Baltic, but the Swedish army clamped a tight blackout on the results of its investigation.

One of the rockets passed directly over Stockholm and crashed north of the city. Three others were reported to have exploded in

First reports from army investigators indicated they had found nothing, leading to the theory that the bomb exploded in the air with such fury that little or nothing was left.

A Swedish air force lieutenant estimated the body length at about 20 meters (65 feet). He said the bomb was shaped like a cigar, with a green foremost projecting part and white sides. He said it moved at exceptionally low altitude with terrific speed.

One eyewitness said fragments rained down after a great blast in the air above him. Previous explosions have left hard, black metal objects similar to coal clinkers. In the last public comment permitted on the missiles, Capt. G. E. Stangenberg, acting chief of the Swedish air defense department, said in reply to a question as to whether the bombs were of Russian origin: "I can't confirm that."

London Daily Telegraph
July 16 1946

"MYSTERY" STAR OVER NORWAY

From Our Own Correspondent
OSLO, Monday, July 16, 1946
A mysterious object resembling a star was observed over Oslo last night. It came from the south and disappeared northwards at a height of 3,000 ft. Witnesses say that its colour was yellow when it appeared over the horizon, and swiftly changed to a blue. It followed a steady course at a tremendous speed. Newspapers are requesting people who observed the phenomenon to report to the headquarters of the Norwegian Air Force and to look out for wreck-

Objects resembling V-weapons seen flying over Sweden on July 10 over Finland on June 10.

London Daily Telegraph
Aug. 14, 1946

NE SAW ROCKET EXPLODE

WATCHMAN'S REPORT
COPENHAGEN, Tuesday.
A first "ghost rocket" explosion in Danish territory was seen yesterday morning over the Stryer, Jutland. A night watchman said he saw a "ghost" come from the north-east and explode with a crash, illuminating the sky by a bright flash.—A.P.

London Daily Telegraph
Aug. 7 1946

SWEDEN'S 300 ROCKET REPORTS

NORTHERN APPROACH

From Our Own Correspondent
STOCKHOLM, Tuesday.
Reports that radio-controlled rockets which cross Swedish territory generally come from the south and leave in an easterly direction were confirmed today in a statement by the Swedish Defence Staff. The announcement declares that a majority of nearly 300 reports of rockets are probably exaggerated, although reliable evidence remains available to the conclusion to be drawn that some rockets are being sent. No rocket parts have been found. Eye-witness accounts indicate rockets similar to German and other rockets known to have been used at the end of the war.

London Daily
Telegraph
July 25 1946

"FLYING LIGHTS" OVER 25-7-46 SWEDEN

Stockholm, Wednesday.—More "flying lights" are reported from various parts of Sweden. One report in Stockholm today described "flying light" which said to have travelled silently and very fast over district of Central Sweden on Tuesday night. Another report says object similar in shape to rocket was seen travelling slowly in Northern Sweden.—B.U.P.

London Daily Telegraph
July 29 1946

SWEDISH INQUIRY

From Our Own Correspondent
STOCKHOLM, Sunday.
Swedish military authorities are investigating reports of rocket bombs falling in the country. A communiqué is likely to be issued in due course. 29-7-46

London Daily Telegraph
Aug 21 1946

ROCKETS OVER DIJON

From Our Own Correspondent
PARIS, Tuesday.
Inhabitants of the Dijon area, Burgundy, according to the French Press, report that "huge elongated projectiles passed overhead at prodigious speeds, emitting a whistling noise." It is believed they were rockets. No official confirmation is forthcoming. 21-8-46

London Daily Telegraph
July 30 1946

MISSILES OVER DENMARK

COPENHAGEN, Monday.
Two projectiles were reported to have been seen in flight over the week-end by many people near Korsør, western terminus of the railway line from Copenhagen across the island of Zealand. They were described as shining objects crossing the sky at great speed and visible in bright sunshine for about 10 seconds. Similar reports have come from Norway, Sweden and Finland recently.—Reuter. 30-7-46

Manchester
Guardian 127
Aug. 23, 1946

A SWEDISH DENIAL No British Radar Experts Called In

STOCKHOLM, August 22.
The Swedish Air Force Command today denied reports that British radar experts have come to Sweden in connection with the "rocket projectiles" seen over Sweden recently. "There has been no question of foreign help," an Air Force communiqué said. "The report may have arisen through confusion over negotiations now proceeding in Britain and the United States for the purchase of echo-radio radar equipment for the normal use of our Air Force. These negotiations had been proceeding for a long time and had nothing to do with projectiles flying over Sweden. They were started because Sweden's present equipment was unsatisfactory when used against fast jet-planes like the Vampires recently purchased from England.—Reuter.

Manchester
Guardian
Aug. 17, 1946

WINDOWS BROKEN BY ROCKET BOMB Damage in Sweden

STOCKHOLM, August 16.
Window-panes were broken in Malmö, Sweden, when a rocket projectile exploded over the town today. The authorities are searching for fragments of the projectile, which were reported to have been seen falling to the ground. Many people in Copenhagen today reported seeing what they believe to be a rocket during the night.—Reuter.

THE TIMES
London

July 12, 194
P. 3

128

"GHOST ROCKETS" SEEN IN SWEDEN

FROM OUR CORRESPONDENT

STOCKHOLM, JULY 11

During the last three weeks a number of "ghost rockets" have been seen in various parts of Sweden, generally along the east coast, usually travelling from the south-east to the north-west. Most eye-witnesses describe them as glowing rockets or balls with smoke visible at the tail.

The Swedish defence staff is investigating the various accounts, and a suspicion is growing that some kind of radio-controlled experimental rockets have in fact been passing across Sweden. So far, however, definite evidence is lacking, and it may yet be found that the "rockets" are some meteor-like phenomena.

DP

July 11 1946

TRURS

P. 1

129

SWEDE REPORT HINTS SOVIET ROCKET TESTS

Stockholm, July 11.—(AP)—Shining missiles seen in the last twenty-four hours traveling at great altitude with high speed caused speculation today by the newspaper Aftonbladet that Russians are conducting rocket experiments on Baltic bases.

The recent missiles were described by witnesses as "a greenish blue shining ball giving off a tail of light of the same color."

Similar sights two months ago were reported from about ten places in Sweden and several places in Finland.

The New York Times
July 28, 1946
P. 32

130

Swedes Curb Flying Bomb News
STOCKHOLM, Sweden, July 27
(AP)—A limited censorship has been imposed on information concerning unidentified missiles—believed to be flying bombs or rockets—that have been sighted over Swedish territory in recent weeks. The authorities have banned the publication of names of localities where the missiles have been sighted and newspapers have been required to use the dateline, "Somewhere in Sweden" when writing about the subject.

Chicago Tribune
131
Aug. 5, 1946

Russians Test Super Rocket in Arctic Wild

BY HENRY WALES

(Map on page 2)

(Chicago Tribune From Service)

PARIS, Aug. 4—Reports from Stockholm of flying bombs and giant rockets passing over Sweden toward Arctic targets have smothered out the fact that the Russians are carrying on experiments with super long-range weapons invented by the Germans at the testing station at Peenemuende, near Stettin, Germany.

Both American and British intelligence services have confirmed rumors that the Red army has reopened Hitler's top secret laboratory on the Baltic, where the secret weapons were developed, and is using captured German ballistic experts and artillery officers to improve the bombs and rockets, giving them greater range and larger size to carry bigger charges of explosives.

Reds Bar Reporter

When I visited Thuringia in the Russian zone in February I requested soviet permission to visit Peenemuende and the Island of Ruegen to investigate these rumors. The Red army generals refused to permit me to go to Peenemuende on the excuse that they were turning over that area to Poland, and that the allied bombers totally wrecked the proving station installation. They also seriously restricted my movements on Ruegen.

The newspaper Le Figaro today publishes information from Swedish sources that hundreds of projectiles flew over the Scandinavian countries in the last few months, apparently aimed far into the polar regions. Fragments of shorts which dropped on Swedish territory betrayed the fact that they are giant buzz bombs and rockets.

Fall in Finland

The belief is that the Red army aims the missiles at the long, narrow islands of Novaya Zemlya in the Arctic ocean, and beyond, where Russian spotters watch for them to drop and check on the range and accuracy. The course plotted along that route would pass over the Gulf of Bothnia, but slight wind deflection would send them over Sweden.

Confidential information is that many projectiles fall short in Finland, but rigid soviet censorship strangles all information concerning them.

American circles believe the Russians consider super buzz bombs and colossal rockets, whose secrets they obtained from the Germans, as ade-

Sweden's Bomb

Sweden not long ago decided, in spite of the Peace Conference, that a regular exercise of her air-raid sirens was a wise precaution, and she possibly finds her reading of the future confirmed by the missiles which every now and again fly overhead. No one has said who starts them on their journey, but it does not need much imagination to see Russian engineers, no doubt, assisted by obedient German scientists, operating from a research station on the Baltic coast. Russia, of course, could have found a more secret practice range, but she probably enjoys revealing a little of her plaything, just as America carefully lets us know at least enough about her bomb to hold it in respect. The most interesting point about Sweden's visitor is its range; it is reported to be at least 600 miles (which is roughly the distance from Peenemuende to London), and maybe more. But it is strange that the world, in this period of peace-making and settlement, should be so assiduous and demonstrative in military research. Ourselves in Australia with rockets, the Americans, also with rockets and with how much more, the Russians with a weapon snatched out of Germany's falling hands—it is all too much like a group of wrestlers showing off their muscles between bouts.

MANCHESTER GUARDIAN, TUESDAY, AUGUST 13, 1946

Chicago Tribune

Aug. 10, 1946

REVEAL RUSSIA LEADS U. S. IN WAR ROCKETS

Improve Germany's Best with Experts' Aid

BY LLOYD NORMAN

(Chicago Tribune Press Service)

Washington, D. C., Aug. 9—Russia has outpaced the United States in the race for military supremacy in the development of long range guided rocket weapons. It was learned today on high authority.

The Russians have improved on the German long range rockets and probably have developed effective methods of guiding them electronically. They got their head start by capturing the German secret laboratories and some of their finest scientists and technicians.

The superiority of Russian rocket research was disclosed in authoritative reports from abroad on experimental launchings of the robot weapons from secret sites in Red controlled territory.

The reports were received in this country by reliable sources with access to military intelligence from Russia's neighboring states and satellite nations. The identities of these sources may not be divulged.

80 Fall to Return

In the United States the army and navy have poured out millions of dollars on guided missile research but as yet have not developed an accurate long distance rocket weapon which can pack a heavy wallop.

Some 80 rockets launched by the Russians lost their bearings and landed in Sweden and Norway. It was learned the missiles were equipped with controls designed to guide them electronically back to their launching sites. In the cases of the runaway rockets these controls were faulty.

The Russians are reported to have reopened the super-rocket testing station at Peenemuende, near Stettin, Germany, where the weapons were developed. They have pressed into service German scientists who are concentrating on giving the weapons longer range and heavier explosive load capacity.

In addition, the Russians have taken over the German super-rocket plants at Peenemuende and other sites.

enemy territory when the German military might collapsed. The cream of the German new weapon engineers were herded by the Russians into special camps far removed from possible prying eyes.

The German brain trust, it is reported, is well treated. Their families were assured safe conduct and special privileges. The scientists were given virtually equal status with the Russian experts working beside them in the laboratories.

Allied military intelligence knew the Germans had designed near the end of the war a super long range radar controlled rocket weapon which could have been dropped onto the east coast of the United States or far into the Russian hinterland. The Germans did not have the time or the equipment to build it, however. The Russians are now reported carrying this work forward with intensity.

Meanwhile, American scientists are still attempting with little progress, to improve upon the German V-2 rocket. Maj. Gen. Henry S. Aurand, chief of the army research and development section, told a press conference today the V-2 weapon has serious shortcomings and does not meet the army's goal in rocket research.

Lacks Desired Accuracy

He said he was expressing his opinion and not the army's.

"What we want is maximum load at the target with great accuracy," he said. "The V-2 delivers a fairly good load at the target but it doesn't have the accuracy we want."

Gen. Aurand said army ordnance has made some substitutions on the V-2 but has not produced any improvements.

[The V-2 rocket has been fired vertically more than 100 miles in tests conducted in the New Mexico desert.]

The army air forces' goal in its guided missiles research program was enunciated by Maj. Gen. Curtis E. Lemay, leader of the B-29 assaults upon Japan from Guam headquarters. Gen. Lemay, who is now deputy chief of the AAF for research and development, told reporters:

"What we are trying to develop are weapons which will enable us to fight without getting hurt. We want to be able to sit in a cave, sip a mint julep, press a button and wipe out the enemy."

New Type Planned

Gen Aurand asserted that the only long range guided rocket weapon which the army has fired thus far is the V-2, but he disclosed that some new type of rocket would be fired in September. He declined to describe this latest development in rocket warfare.

The army has other plans, such as the development of a rocket which would be fired from a ship or submarine.

SWEDES REMAIN CALM IN RAIN OF GHOST ROCKETS

But They're Certain They Live in a Target Area

STOCKHOLM, Sweden, Aug. 11 (AP) — Ghost rockets — mysterious spool-shaped speeding objects with fiery tails—have become a common sight in Sweden, and military officials no longer doubt the country is in a target area for experimentation on remotely controlled missiles. Since July 1, newspapers have published reports of the flying fireballs nearly daily.

In the beginning many believed excited eye witnesses had seen nothing more ominous than meteors. However, between July 9 and 12, military authorities received 300 reports of the missiles and since that time added reports have poured in daily. Fragments examined by scientists gave little in the way of clues, except to indicate the presence of coke and other common materials.

Believed Fired from Germany

Authorities, promising an official announcement of the results of the investigation soon, have cautioned Swedish newspapers not to publish the names of places where the ghost rockets appear, so the senders would not be provided with important data. Official quarters declined to speculate on the source of the missiles, but it was believed they come from the Baltic coast of Germany.

The Swedish public has taken the rockets with surprising calm. Fears that a missile might damage a densely populated area have not been realized.

Nobody seems to think the rockets indicate any military preparations against Sweden, but the people are puzzled at Sweden's being in a target area when an unlimited amount of uninhabited areas must be available for experimentation.

Vanish Within Seconds

The Stockholm Tidningen included a recent editorial "Ghost Rockets and Future War" and said the appearance of the missiles indicated a necessity for preparation.

In general, the ghost rockets are described as a small, spool-shaped object with a long, thin tail, which vanishes within seconds.

TELEGRAPH
**SWEDEN'S 300
ROCKET REPORTS**
SOUTHERN APPROACH

From Our Own Correspondent
STOCKHOLM, Tuesday.
Reports that radio-controlled rockets which cross Swedish territory generally come from the south and leave in an easterly direction were confirmed to-day in a statement by the Swedish Defence Staff.
The announcement declares that the majority of nearly 300 reports of rockets are probably exaggerated, but enough reliable evidence remains to enable the conclusion to be drawn that some rockets are being sent.
No rocket parts have been found, but eye-witness accounts indicate types similar to German and other radio rockets known to have been completed at the end of the war.
7-8-46 7-8-46

LaParl, W.P.

Date August 1946

**ROCKET PARTS
FOUND IN SWEDEN**

From Our Own Correspondent
STOCKHOLM, Wednesday.
Mr. Hansson, the Swedish Prime Minister, said to-day that Sweden had not yet made a demarche to any foreign Government about the "ghost rockets" which have been reported over the country because the nature and origin of the missiles was still uncertain.
Swedish military authorities were investigating to-day what are believed to be the metal parts of rockets which were seen to explode recently. One of the metal pieces is said to be about six inches long and to bear fragments of letters and figures from manufacture markings. 15-8-46
15-8-46

**ROCKETS OVER
SWEDEN AGAIN**

DAILY TELEGRAPH
SEARCH FOR SOURCE
STOCKHOLM, Monday.
Troops to-day started thorough investigations in Central Sweden following reports of the fall of more rockets. It is learned. Many are reported to have been seen flying over Sweden from the south last night.
Observers said that to-day's investigations may supply the authorities with sufficient information to tell them the exact source of the missiles.
They added that there was reason to believe that a statement may be issued shortly. It would be followed by a strong protest to "a certain foreign Power."
Several rockets have been seen from Mariehamn, on the Aaland Islands, between Sweden and Finland, it is revealed. They were similar to those seen over Sweden.—B.U.P.
13-8-46

ROCKETS OVER DIJON

From Our Own Correspondent
PARIS, Tuesday.
Inhabitants of the Dijon area, Burgundy, according to the French Press, report that "huge elongated projectiles passed overhead at prodigious speeds, emitting a whistling noise." It is believed they were rockets. No official confirmation is forthcoming. 21-8-46

**BRITAIN TO SEND
RADAR TO SWEDEN**

By A Diplomatic Correspondent
The Swedish Government has asked Britain to supply radar equipment for plotting the flight of rocket projectiles which have been reported to be crossing Swedish territory. Britain has agreed, and is also sending technicians to train Swedish personnel in the use of radar.
The Swedish Defence Staff confirmed two weeks ago that the rockets were radio-controlled and that they generally came from the south and left in an easterly direction.
Rocket 'Hush-hush'
To prevent technical information from being obtained from the firing of rockets over Denmark, the Danish Government has asked newspapers not to name areas where the missiles have been seen, said A.P. yesterday. Only the words "Northern," "Central," "Eastern" should be used.
22-8-46

**"FLYING LIGHTS" OVER
25-7-46 SWEDEN**

Stockholm, Wednesday.—More "flying lights" are reported from various parts of Sweden. One report in Stockholm to-day described "flying light" which said to have travelled silently and very fast over district of Central Sweden on Tuesday night. Another report says object similar in shape to rocket was seen travelling slowly in Northern Sweden.—B.U.P.
14-8-46

Chicago Tribune
Aug 10, 1946

REVEAL RUSSIA LEADS U. S. IN WAR ROCKETS

Improve Germany's Best with Experts' Aid

BY LLOYD NORMAN
(Chicago Tribune Press Service)

Washington, D. C., Aug. 9—Russia has outpaced the United States in the race for military supremacy in the development of long range guided rocket weapons. It was learned today on high authority.

The Russians have improved on the German long range rockets and probably have developed effective methods of guiding them electronically. They got their head start by capturing the German secret laboratories and some of their finest scientists and technicians.

The superiority of Russian rocket research was disclosed in authoritative reports from abroad on experimental launchings of the robot weapons from secret sites in Red controlled territory.

The reports were received in this country by reliable sources with access to military intelligence from Russia's neighboring states and satellite nations. The identities of these sources may not be divulged.

80 Fail to Return

In the United States the army and navy have poured out millions of dollars on guided missile research but as yet have not developed an accurate long distance rocket weapon which can pack a heavy wallop.

Some 80 rockets launched by the Russians lost their bearings and landed in Sweden and Norway. It was learned the missiles were equipped with controls designed to guide them electronically back to their launching sites. In the cases of the runaway rockets these controls were faulty.

The Russians are reported to have reopened the super-rocket testing station at Peenemuende, near Stettin, Germany, where the weapons were developed. They have pressed into service German scientists who are concentrating on giving the weapons longer range and heavier explosive load capacity.

In addition, the Russians have taken over the factory near Nordhausen, Germany, where the V-type rockets were manufactured.

Seized Best of Experts

The German scientists fell into Russian hands early because the Red army was permitted by the other allies to move farther into enemy territory when the German military might collapsed. The cream of the German new weapon engineers were herded by the Russians

The German brain trust, it is reported, is well treated. Their families were assured safe conduct and special privileges. The scientists were given virtually equal status with the Russian experts working beside them in the laboratories.

Allied military intelligence knew the Germans had designed near the end of the war a super long range radar controlled rocket weapon which could have been dropped onto the east coast of the United States or far into the Russian hinterland. The Germans did not have the time or the equipment to build it, however. The Russians are now reported carrying this work forward with intensity.

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Lacks Desired Accuracy

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"What we want is maximum load at the target with great accuracy," he said. "The V-2 delivers a fairly good load at the target but it doesn't have the accuracy we want."

Gen. Aurand said army ordnance has made some substitutions on the V-2 but has not produced any improvements.

[The V-2 rocket has been fired vertically more than 100 miles in tests conducted in the New Mexico desert.]

The army air forces' goal in its guided missiles research program was enunciated by Maj. Gen. Curtis E. Lemay, leader of the B-29 assaults upon Japan from Guam headquarters. Gen. Lemay, who is now deputy chief of the AAF for research and development, told reporters:

"What we are trying to develop are weapons which will enable us to fight without getting hurt. We want to be able to sit in a cave, sip a mint julep, press a button and wipe out the enemy."

New Type Planned

Gen. Aurand asserted that the only long range guided rocket weapon which the army has fired thus far is the V-2, but he disclosed that some new type of rocket would be fired in September. He declined to describe this latest development in rocket warfare.

For immediate use in war the army has robot planes, such as the crewless B-17s which were guided by radio from mother planes from Hawaii to California, Gen. Aurand said. He indicated the army has not yet developed any satisfactory long range rocket weapons which could be used immediately in the event of war.

Disclosing there was a conflict of opinion between the air force and the ground forces on the development of the guided missile program, Gen. Aurand said the entire program would be overhauled.

Manchester
Guardian 134
Aug. 8, 1946

BOMBS PASSING OVER SWEDEN

Tracked by Radar

From our Correspondent

STOCKHOLM, AUGUST 7.

One of the mysterious bombs which in recent weeks have been passing across Sweden was seen last night by an officer of the Air Defence Department of the Defence Staff. He reports that the bomb looked like a fireball with a clear yellow flame passing at an estimated height of between 1,500 and 3,000 feet and at a considerable but quite measurable speed.

This first observation made by a trained expert dispels any remaining doubts that the phenomenon really is some sort of bomb or rocket and not just a meteor. No traces of one having fallen in Sweden have yet been found, but in the far North one is reported by several trustworthy witnesses to have fallen into a lake, and the search for it continues in the lake's muddy bottom.

Hundreds of reports are coming in to the Defence Staff from various parts of the country, some of them obviously relating to the same missile. It has thus been possible to trace their routes fairly accurately. Most of them come in over Sweden from the south, follow the Baltic coast for hundreds of miles, and then disappear. Their range is far greater than that of the V bombs, with which the Germans experimented across Sweden before using them against Britain.

A RANGE OF 600 MILES

Another new feature is that they do not always follow a straight course. Some of them change direction either in a slow curve or sometimes very abruptly. This is believed to indicate that they are radio-controlled. After following the Swedish coast-line many of them seem to bear off towards the north-east—that is, in the direction of northernmost Russia. Sometimes it has been possible to follow their course by radar.

The Swedish press have now stopped publishing the exact details about where and when the bombs were seen, so as not to give information to whoever is making these rather sinister experiments. No damage has been caused by them in Sweden, but it is believed they are far from innocuous. They are thought to be fitted with a small charge that is intended to destroy them when they hit the ground.

It is still unknown if they are rockets or jet propelled. The range, however, is fantastic. The longest course mapped by Swedish military observers is some 600 miles which is thrice the range of the German V-bombs.

New York Times
Aug 21 1946

Doolittle, Sarnoff Stir Swedish Talk

Special to THE NEW YORK TIMES.
STOCKHOLM, Aug. 20—Two United States experts on aerial warfare, Gen. James Doolittle and Wild Sarnoff, arrived in Stockholm today, apparently independent of each other. The official explanation is that General Doolittle, who is now vice president of the Shell Oil Company, is inspecting shell branch offices in Europe and Dingjoll and gasoline, while General Sarnoff, who is president of the Radio Corporation of America and a former member of Gen. Dwight D. Eisenhower's London staff, is studying the market for radio equipment.
The two men arrive here as reports on "phantom bombs" are more numerous than ever. The chief of the Swedish Defense Staff, Col. C. R. S. Kempf, said tonight he was extremely interested in asking the two generals' advice and, if possible, would place all available reports before them.
General Doolittle, who arrived from Oslo, where he saw King Haakon of Norway, said on his arrival that he was merely on a business trip but was willing to place his knowledge and experience at the disposal of Swedish authorities in case they wanted his advice. He pointed out that it had been possible in England during the war to detect the range of German planes, the place where they took off and their height. He was highly surprised that the Swedes had not yet found a trace of a rocket and also that no theory had been advanced.
General Sarnoff said definitely that it was possible today by means of radar to detect the range, height and even the place from which rockets are fired. He said he was willing to give advice if the Swedes wanted it.

New York Times
Aug. 22, 1946

Doolittle Consulted By Swedes on Bombs

Special to THE NEW YORK TIMES.
STOCKHOLM, Sweden, Aug. 21—Swedish authorities consulted Gen. James H. Doolittle today on the mystery missiles that have been coming over Sweden. General Doolittle met the commander of the Swedish Air Force and several of his staff to discuss the phantom bombs and he read the reports that the Swedish General Staff had received.

Simultaneously a spokesman for the Swedish Defense Staff stated that the Swedes had obtained "certain results with radar, which registered the presence of bombs over the country."

Registrations were made during days when reports on the bombs were most numerous. It is believed that in the near future they will reveal the type and identity of the bomb.

General Doolittle said he was unable to make any statement, as it was up to the Swedes to publish anything about military happenings in their country.

A Swedish spokesman said that action had been discussed and certain new measures suggested.

Special to THE NEW YORK TIMES.
LONDON, Aug. 21—The Swedish Government, in an effort to trace the source of rockets that have been falling on Swedish territory over the last three months, has approached Great Britain with a view to buying radar equipment.
At the moment British experts are demonstrating radar to Swedish engineers and there is not much doubt that a deal will be made and that both equipment and operators will be shipped to Sweden in the near future.

Chicago (P) Tribune
Sept 6, 1946

Rockets Over Nation

[Chicago Tribune Press Service]
LONDON, Sept. 5—Four mysterious rockets were sighted over Greece on the night of Sept. 1, the date of the plebiscite on the return of exiled King George II. It was disclosed today by Greek Premier Constantinos Tsaldaris. One rocket, the premier said, passed over Salonika at 5,000 feet and fell into the sea. Asked the direction whence the rocket came, he replied "It certainly did not come from the Mediterranean." Other rockets passed over Mounts Belles and Palken, in Macedonia near the Greek, Yugoslav, and Bulgarian border, and over the town of Katharini, near Larissa.

Washington Post 135
Aug. 10, 1946

Phantom Rockets Zip Over Sweden

Stockholm, Aug. 11.—A phantom rocket, which a foreign power, presumably Russia, has been shooting over Sweden almost daily since June, exceeds 875 miles hourly, a has been seen at points of no less than 1,500 kilometers from Peenemunde, the probable launching site, it was learned today.
Thus they are of considerably longer range than the German bombs which did not exceed 100 kilometers. Close examination of the burst fragments by the Swedish defense staff revealed little. But government spokesman said that he is still in doubt whether they emanated from rockets. There is longer any doubt, however, that Sweden has become the test ground for the new weapon that the matter has entered upon a new and serious stage.

More than 500 reports on rockets have been received by defense staff since the first sighting last May, and the staff has been able to trace a general course of the projectiles. They come over the southeast coast in an S-shaped course veering eastward.
Copyright by New York Tribune, Inc.

Washington Post
Aug. 12, 1946

Swedes Count 'Ghost' Rockets By Hundreds

Stockholm, Aug. 11 (AP)—Ghost rockets—mysterious spool-shaped speeding objects with fiery tails—have become a common sight in Sweden, and military officials no longer doubt that the country is in a target area for experimentation with remotely controlled missiles.

Since July 1, newspapers have published reports of the flying fireballs nearly every day.

Between July 9 and July 12 military authorities received 300 reports of the missiles and since that time reports have poured in daily. Fragments examined by scientists gave little in the way of clues, except to indicate the presence of coke and other common materials.

Authorities, promising a communique on the results of the investigation within a few days, have cautioned Swedish newspapers not to publish the names of places where the ghost rockets appear, so that the senders would not be provided with important data. It is believed the rockets come from some place along the Baltic coast of Germany.

The Swedish public has taken the rockets with surprising calm. Nobody seems to think these rockets indicate any military preparation against Sweden.

In general, the ghost rocket is described as a small object with a flaming tail which speeds at great height and vanishes within a few seconds. Eyewitnesses say the rockets make no appreciable sound.

Only in a few cases is it known that the missiles actually landed in Sweden. Military authorities said the missiles evidently passed over Sweden in a huge curve. Some reports indicated the objects carried a device for self-destruction, and military experts said some apparently had exploded in the air. The longest flight of any of the missiles, so far as military experts could determine, was about 800 miles, as compared with the range of 35 to 45 miles for the first German V-2 rocket bombs.

There is no comparison, however, with the rocket bombs. The mystery missiles are small, and at low altitudes seem almost square. The bottom of the object appeared to have been painted red, eyewitnesses said. Some observed these missiles flying extremely low.

SFC

AUG 13, 14 1946

Still Another Rocket Races Over Sweden

STOCKHOLM, Aug. 13 (UP)—A "ghost rocket" was sighted moving across southern Sweden Monday night as an aroused Swedish public called for prompt action to determine the nature of the mysterious missiles and the country responsible for them.

The latest missile was observed moving over southern Sweden from the northeast, the newspaper Dagens reported. The bomb was described as shaped like a giant torpedo and emitting a blinding light from the foremost part. It moved soundlessly and with great speed at low altitude, the report said.

Following a "bombardment" of the missiles Sunday the Swedish Army dispatched experts to three points in central Sweden where the unidentified rockets crashed last night.

Public indignation and the bitter comment of the press indicated that the government may be forced to take determined steps to clear up the situation.

Informed sources said government officials were watching developments closely and awaiting supplementary evidence upon which to base possible diplomatic protests.

Unconfirmed rumors on the source of the missiles said the Russians were experimenting with rockets and flying bombs.

A spokesman for the Swedish defense staff said it appears that "almost all the people throughout Sweden have been seized by a real ghost-bomb psychosis." He added that many reports were undoubtedly "pure flights of imagination."

"Many who told about bomb crashes are even unable to point out the exact place and therefore we found it useless to start investigations to find the remains," he said.

He did not, however, deny the phenomena were rockets and not meteors as some observers first claimed.

AG 13 P.7

Rocket Crash In Sweden

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Three Reported Dead in Collision Of Plane, Missile

By the United Press

STOCKHOLM, Aug. 13—Three flyers were killed when a Swedish military reconnaissance plane collided head-on with a rocket bomb yesterday. Stockholm newspapers reported today.

The newspaper Aftonbladet said the reconnaissance plane crashed near Vaggeryd in Southern Sweden.

Shortly after the plane's pilot spotted the bomb, it said, radio contact was broken and the listening post "heard a crash," the newspaper, quoting investigators, reported.

The report, published by other afternoon newspapers, was not confirmed.

MILITARY ALERT

Meanwhile, government authorities prepared a nation-wide hunt for rockets. Air bases, radar stations and all military units were alerted for immediate action.

(In Washington, Undersecretary of State Acheson said he personally is much interested in reports of rockets flying over Sweden but that the Swedes have not sought any American advice on the subject. Unofficial but widely published speculation has been that the rockets were experimental missiles fired from Russian-controlled territory.)

A well informed source said the bombs apparently were radio-controlled. This source said the Swedish defense staff has established that the rockets made a wide semi-circle over Southern Sweden, proceeding over Northern Finland toward the Kola peninsula of Russia.

The second rocket bomb in two nights streaked over Stockholm like a meteor early yesterday, unconfirmed press reports said today.

COMPARED TO BRITAIN

Descriptions of several eye-witnesses coincided with details of the first bomb. The newspaper Morgontidningen quoted an English visitor as saying "it looked just like the flying bombs I saw in London."

Other reports said bombs, "small and going very fast," passed over Southern and Central Sweden.

Although the press and public complained bitterly about the "ghost bombs," military and government officials remained silent.

But the newspaper Dagens Nyheter said editorially that the "ghost rockets" were a misnomer for "earthly phenomenon" and that "these ghostly disturbances must be regarded as a preliminary exercise of the most unwelcome kind."

AG 14 P.1

DP

AUG 13 1946

P. 6

T621

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Swedish Observer Sees 'Ghost Rocket' Explode

Stockholm, Aug. 13.—(AP)—An eyewitness account published in the Stockholm Aftonbladet Monday told how a 100-foot "ghost rocket" exploded in a blinding flash over

Sweden lending support to previous reports that the mystery missiles are equipped with destruction devices which make it impossible to find traces of them.

The rockets have been observed over this country at frequent intervals of late, and military officials believe Sweden is in a target area for experiments with remotely controlled missiles, launched, perhaps, from the German Baltic coast.

The published account was given by a trained observer of meteorological and astronomical phenomena who was gazing at clouds thru field glasses when a torpedo-like object, with a tapered tail that spewed glowing blue and green smoke and a series of fire balls, streaked across his line of vision.

"I was completely dazzled and had visions of doomsday," he said.

SWEDES USE RADAR IN FIGHT ON MISSILES

Doonittle Believed Called In as
Aide—Stockholm Studies
Steps to End Violations

Special to The New York Times.

STOCKHOLM, Sweden, Aug. 12.—Sweden now is using radar in its fight against the mysterious missiles that have been flying over the country, it was made known today. The atmosphere here after last night's swarm of projectiles over Central Sweden was almost at the boiling point and there were persistent rumors that Sweden was going to, or already had, borrowed several complete radar outfits from Great Britain to obtain the slickest results.

It also is believed that the United States' foremost long-distance bombing expert, Lieut. Gen. James H. Doolittle, who now is retired, is coming to Sweden to inspect the radar equipment, although the official explanation is that he is coming as a business man for the Bell Company.

The Swedish General Staff today described the situation as "extremely serious," and it is obvious Sweden no longer is going to tolerate such violation of her integrity. Everything possible is being done to put an end to it.

The General Staff received more than 1,000 reports on the rocket bombs last night and this morning. It is a tremendous task to check all the reports, but it will be done and experts already are scattered all over the country to investigate each little bit found.

Sighted by Astronomer

The reports give detailed and interesting descriptions of the bombs. A Swedish astronomer and meteorologist said, "I was studying some clouds through a telescope when suddenly I observed a luminous point on the horizon.

"I first believed it to be an airplane," he said, "but soon I noticed it was travelling much too fast for that, and within ten seconds I got a full view of the projectile. I managed to get a clear view of the bomb's body and estimate that it was at least 90 feet long. The body was torpedo-shaped and shining like metal. No sound could be heard, although the bomb was only two kilometers away. At the explosion, a terrific light flashed up that for a moment completely blinded me. No fire, smoke or sparks were noticeable."

The description of the shape varies, for some observers say they have seen a big fire ball instead of a torpedo-shaped projectile, but all agree on the small fire balls shot out from the afterpart.

The Swedish public named the missile the "phantom bomb," but now frequently is using the term "Russian V-4."

The Swedes notified their legation at Helsinki to be on the sharpest lookout and to notify Finnish authorities immediately if the bombs appeared again.

One Falls Near Stockholm

STOCKHOLM, Sweden, Aug. 12 (UP)—The Swedish Army today rushed experts to three points in Central Sweden where unidentified rockets, rumored to be the results of Russian experiments, crashed last night.

The barrage was the heaviest since the mysterious aerial missiles first were seen flashing through Swedish skies on May 24.

The Swedish Army clamped a tight censorship on the results of its investigation. But reports from hundreds of Swedes who sighted the fiery missiles indicated a whole barrage might have been fired. One rocket passed directly over Stockholm at 8:45 P. M. and crashed north of the city.

One eyewitness to an explosion in Central Sweden said fragments rained down after a great blast in the air above him. Previous explosions have left hard, black metal objects similar to coal clinkers.

The movement of the missiles varied. Some flew a straight course and others veered. In most cases the course was reported from southeast to northwest. Other reports said some missiles came straight from the north.

P. 4

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WNP

AUG 12, 13 1946

Hundreds of Mystery Rockets Leave Swedes Unperturbed

THE WASHINGTON POST
Monday, August 12, 1946

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Stockholm, Aug. 11 (AP).—Ghost rockets—mysterious spool-shaped burning objects with fiery tails—have become a common sight in Sweden, and military officials no longer doubt that the country is in target area for experimentation with remotely controlled missiles. Since July 1, newspapers have published reports of the flying objects nearly every day.

Between July 9 and July 12 military authorities received 300 reports of the missiles and since that time reports have poured in daily. Fragments examined by scientists gave little in the way of clues, except to indicate the presence of coke and other common materials.

Authorities, promising a comprehensive report on the results of the investigation within a few days, have mentioned Swedish newspapers not to publish the names of places where the ghost rockets appear, so that the senders would not be provided with important data. It is believed the rockets come from some place along the Baltic coast in Germany.

The Swedish public has taken the rockets with surprising calm. Nobody seems to think these rockets indicate any military preparation against Sweden.

In general, the ghost rocket is

described as a small object with a flaming tail which speeds at great height and vanishes within a few seconds. Eye witnesses say the rockets make no appreciable sound.

Only in a few cases is it known that the missiles actually landed in Sweden. Military authorities said the missiles evidently passed over Sweden in a huge curve. Some reports indicated the objects carried a device for self-destruction, and military experts said some apparently had exploded in the air. The longest flight of any of the missiles, so far as military experts could determine, was about 800 miles, as compared with the range of 35 to 45 miles for the first German V-2 rocket bombs.

There is no comparison, however, with the rocket bombs. The mystery missiles are small, and at low altitudes seem almost square. The bottom of the object appeared to have been painted red, eye witnesses said. Some observed these missiles flying extremely low.

Swedish Army Investigating Rocket Mystery

Stockholm, Sweden, Aug. 12 (U.P.). The Swedish army today rushed experts to three points in central Sweden where unidentified rockets, rumored to be the results of Russian experiments, crashed last night.

The barrage, witnessed by hundreds of Swedes, was the heaviest since the mysterious missiles first were seen flashing through Swedish skies on May 24. Since then similar missiles have been reported sighted in Finland, Denmark and Norway.

Unconfirmed rumors said the Russians were experimenting with rockets and flying bombs, probably launching them from some point in Estonia on the Baltic, but the Swedish army clamped a tight blackout on the results of its investigation.

ROCKET

From Page 1

Explosions have left hard, black metal objects similar to coal clinkers.

Some experts believe these bodies are not the bomb itself but fragments of the explosive used to propel the missiles, which supposedly are radio-directed back to their launching site after flying over Sweden.

Altitudes Vary

Witnesses said they flew at altitudes ranging from 800 to 1200 feet, but that some were much higher. Speeds were estimated as high as 600 miles an hour.

In the last public comment permitted on the missiles, Capt. G. E. Stangenberg, acting chief of the Swedish air defense department, said in reply to a question as to whether the bombs were of Russian origin: "I can't confirm that but I cannot deny it either."

A military source told local newsmen that the incidents were regarded as most serious and that Sweden was making "an all-out effort to disclose the place from whence the bombs were shot."

One Lands North of Stockholm

One of the rockets passed directly over Stockholm and crashed north of the city. Three others were reported to have exploded in central Sweden.

First reports from army investigators indicated they had found nothing, leading to the theory that the bomb exploded in the air with such fury that little or nothing was left.

A Swedish air force lieutenant estimated the body length at about 20 meters (65 feet). He said the bomb was shaped like a cigar, with a green foremost projecting part and white sides. He said it moved at exceptionally low altitude with terrific speed.

One eyewitness said fragments rained down after a great blast in the air above him. Previous experience. See ROCKET, Page 2, Column 4.

AUG 12 P.5

AUG 13 . P 1

SFC

AUG 12, 1946

P.1

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Guided Mystery Rockets Showering Sweden

The Associated Press

STOCKHOLM, Aug. 11—Ghost rockets — mysterious spool-shaped peering objects with fiery tails— have become a common sight in Sweden, and military officials no longer doubt the country is in a target area for experimentation with remotely controlled missiles.

Since July 1, newspapers have published reports of the flying fireballs nearly every day.

In the beginning many believed excited eyewitnesses had seen nothing more ominous than meteors. However, between July 8 and July 12 military authorities received 300 reports of the missiles and since that

time added reports have poured in daily. Fragments examined by scientists gave little in the way of clues.

Authorities, promising a communication on the results of the investigation within a few days, have cautioned Swedish newspapers not to publish the names of places where the ghost rockets appear, so the readers would not be provided with important data. Official quarters declined to speculate on the source of the missiles, but it was believed elsewhere the rockets come from some place along the Baltic coast of Germany.

The Swedish public has taken the rockets with surprising calm. Fears

that a missile might do damage in a densely populated area have not been realized.

The Stockholm Tidningen labeled a recent editorial "ghost rockets and future war," and said the appearance of the missiles pointed up a necessity for preparedness.

In general, the ghost rocket is described as a small object with a flaming tail which speeds at great heights and vanishes within a few seconds. Eyewitnesses say the rockets make no appreciable sound.

Newspapers recently carried a picture of the rocket, secured accidentally by a cameraman who was photographing a landscape.

Only in a few cases is it known that the missiles actually landed in Sweden. Military personnel have been busily dredging a small lake in Lapland.

Military authorities said the missiles evidently passed over Sweden in a huge curve. Some reports indicated the objects carried a device for self-destruction, and military experts said some apparently had exploded in the air. The longest flight of any of the missiles, so far as military experts could determine, was about 800 miles, as compared with the range of 35 to 45 miles for the first German V-2 rocket bombs.

Swarm of Mysterious Rockets Is Seen Over Capital of Sweden

The New York Times
AUGUST 12, 1946

P. 1

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By Cable to The New York Times.

STOCKHOLM, Sweden, Aug. 11 (AP)—A swarm of rocket bombs passed over the city of Stockholm at 10 o'clock tonight on a southeasterly course, as usual, was reported from Washington. The missiles seen over the city were thought to have originated from a former rocket experiment area near the Baltic coast of Germany.]

The Swedish General Staff stressed that the bombs were fireballs, with long luminous trails, but some observers have reported that they had crashed at high pressure. The general staff is investigating all reports, but no wreckage has been found.

The strangest report came from central Sweden, where a newly built barn collapsed this afternoon without visible cause. Shortly before the collapse flying bombs had been seen. Then there was a sharp crack and the barn fell. There was no fire.

Witnesses said the barn could not have collapsed because of bad construction. The general staff is sending experts to interview them.

Sweden is seriously worried by the many bomb reports. A few days ago the General Staff received 300 reports in twenty-four hours. The General Staff ordered that the places of crashes be not revealed, as was done during the war with German V-weapons.

It is rumored here that officers of the Swedish Air Force have been embarrassed because they were far behind the Western Powers in atomic bomb work. Their successors are believed to be trying new experiments with unloaded shells.

Continued on Page 7, Column 2

Swarm of Mysterious Rockets Is Seen Over Capital of Sweden

Continued From Page 1

the Russian Air Force have been embarrassed because they were far behind the Western Powers in atomic bomb work. Their successors are believed to be trying new experiments with unloaded shells.

Sweden Believed Target

STOCKHOLM, Sweden, Aug. 11 (AP)—"Ghost rockets"—mysterious spoon-shaped speeding objects with fiery tails—have become a common sight in Sweden, and military officials no longer doubt that the country is in a target area for experimentation with remotely controlled missiles.

Since July 1, newspapers have published reports of the flying fireballs nearly every day. In the beginning many believed excited witnesses had seen nothing more ominous than meteors. However, between July 9 and July 12 military authorities received 300 reports of the missiles and since that time added reports have poured in daily.

Fragments examined by scientists gave little in the way of clues, except to indicate the presence of coke and other common materials.

Authorities, promising a statement on the results of the investigation within a few days, have cautioned Swedish newspapers not to publish the names of places where the rockets appear, so the senders would not obtain important data. Official quarters declined to speculate on the source of the missiles, but it was believed elsewhere that the rockets come from some place along the Baltic coast of Germany.

Nobody seems to think these rockets indicate any military preparations against Sweden, but the people here are puzzled at Sweden's being in a target area when an unlimited amount of uninhabited area must be available for experimentation.

The newspaper Stockholm Tidningen labeled a recent editorial "Ghost rockets and future war," and said the appearance of the

missiles stressed the need for preparedness.

The rocket is described as a small object with a flash which speeds at great height and vanishes within a few seconds. Witnesses say the rockets make an appreciable sound.

Newspapers recently published a picture of the rocket, obtained incidentally by a cameraman who was photographing a landscape and showed a streak of light from a small dark body, much like a comet.

Only in a few cases is it reported that the missiles actually crashed in Sweden. Military personnel have been busy dredging a mine in Lapland.

Military authorities said the missiles evidently pass over Sweden in a huge curve. Reports indicated the objects were a device for self-destructive military experts said so far they had exploded in the air. The longest flight of any missile, so far as military records could determine, was about 100 miles, compared with the thirty-five to forty-five miles of the first German V-2 rocket.

There is no comparison between these rockets and other rocket bombs. The flying missiles are small, and their altitudes seem almost equal to the bottom of the object appear to have been painted red, witnesses said. Some observed these flying extremely low.

These reports have been substantiated by a Swedish official, who saw one of the rockets during a recent flight.

Rockets Reported Near

STOCKHOLM, Aug. 11 (AP)

—A number of objects, apparently rockets, were reported to have been seen by various witnesses. They flew low over central Stockholm tonight, it was reported here.

One of them was said to have fallen near a town, exploding with a loud report. Swedish authorities refused to disclose the name of the town.

The objects emitted a bright glow that illuminated the

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varies, for some observers say they have seen a big fire ball instead of a torpedo-shaped projectile, but all agree on the small fire balls shot out from the afterpart.

The Swedish public named the missile the "phantom bomb," but now frequently is using the term "Russian V-4."

The Swedes notified their legation at Helsinki to be on the sharpest lookout and to notify Finnish authorities immediately if the bombs appeared again.

13 Aug 46
NY Times

One Falls, Near Stockholm

STOCKHOLM, Sweden, Aug. 12 (UP)—The Swedish Army today rushed experts to three points in Central Sweden where unidentified rockets, rumored to be the results of Russian experiments, crashed last night.

The barrage was the heaviest since the mysterious aerial missiles first were seen flashing through Swedish skies on May 24.

The Swedish Army clamped a tight censorship on the results of its investigation. But reports from hundreds of Swedes who sighted the fiery missiles indicated a whole barrage might have been fired. One rocket passed directly over Stockholm at 8:45 P. M. and crashed north of the city.

One eyewitness to an explosion in Central Sweden said fragments rained down after a great blast in the air above him. Previous explosions have left hard, black metal objects similar to coal clinkers.

The movement of the missiles varied. Some flew a straight course and others veered. In most cases the course was reported from southeast to northwest. Other reports said some missiles came straight from the north.

an atomic bomb right haps we have," he said we have not. But I I very soon we will have you have in the United have worked for man atomic energy, and I g shall soon have atomi the Soviet. Russia has terials and the person

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Professor Alexandr that it was utterly im one country to keep t atomic energy. His Curie, French physici knew the secret.

Paul S. Galtsoff, an the Interior Departm Professor. Alexandrov unqualifiedly in Russi Soviet Union had an a and planned to test it fessor Alexandrov deni such a flat statement

GREEK OPINIONS

The Communists See Albania—Others

Special to THE NEW YORK TIMES
ATHENS, Aug. 12 (AP)— ing on a clash betw tween the Greek govern is and the Russian m motion to admit the Peace Conference, the munist party's official Rizospastis said today "Greek Government's schemes have been ex Premier Constantine T "placed in the dock."

This is considered first time that Commu ment has been so fran reservedly expressed I nations that in the G view have given consta their hostility. The r



Manchester
Guardian
Aug. 24, 1946

IRISH MYSTERY

An Unexplained Explosion From our Correspondent

DUBLIN, FRIDAY. — No explanation was forthcoming to-day of a mysterious explosion at Waterford at midnight on Wednesday. At first it was thought to be due to the detonation of a sea-mine, but the police have ascertained that no mine exploded along the coast. When the explosion occurred, men, women and children living in the waterside district ran from their homes and remained in the streets for some time. One observer stated that at the time of the explosion a vivid flash illuminated the sky, and one theory held is that an aeroplane may have blown up while in flight. No material trace of the cause of the explosion has, however, been discovered.

Christian Science
Monitor
Aug 14 1946

'Ghost Rocket' Stirs Sweden

STOCKHOLM, Aug. 14 (AP) — The newspaper Aftonbladet said yesterday that a flying rocket, bursting over a Swedish lake, had nearly caused casualties and criticized military authorities for their failure to explain the nature of the missiles, which have been reported almost daily by observers for the past two months.

The paper said that two persons boating on the lake, located in central Sweden, were nearly hit by the bomb, which burst into many parts.

The rockets have been observed over this country at frequent intervals or late, and military officials believe Sweden is in a target area for experiments with remotely controlled missiles, launched perhaps from the German Baltic Coast.

Another published account was given by a trained observer of meteorological and astronomical phenomena who was gazing at clouds through field glasses when a nightmarish, torpedo-like object, with a tapered tail that spewed glowing blue and green smoke and

a series of fire balls, streaked across his line of vision. "I was completely dazzled," he said.

Norse-Seek Rockets

OSLO (Reuters) — The Norwegian military high command has asked for "information about rocket projectiles landing on Norwegian soil."

The appeal, made through the Norwegian press, asked anyone "seeing such rockets fall to report at once to the nearest police station or military headquarters."

Christian Science Monitor
Aug 22 1946 143

Rockets Over Sweden Get British Search

By John Allan May

Staff Correspondent of the Christian Science Monitor

LONDON, Aug. 22 — Sweden has asked for and is being given British assistance in tracking down the source of the V-weapon rockets which have been falling on Swedish territory at intervals for several months.

British experts and technicians are going to Sweden to train Swedish personnel in the use of rocket-detecting radar.

Reports here suggest there is general belief in Sweden that the firing points of rockets are on the Baltic coast of Germany but without proof the Swedes are unable to take any action.

Peenemunde, the German wartime rocket research station in the Baltic in the Russian-held zone.

It is expected that the latest British radar gear developed as a

result of experiences during rocket bombardment of Löt will be loaned to Swedish military authorities.

Reuters reports that a Fox Office spokesman said today was possible Britain was sending radar equipment to Sweden, commenting on reports appearing in the British press.

He added that surplus radar equipment had also been supplied to Poland and, he believed, Yugoslavia.

This shipment is not associated here with recent reports of "rockets" falling on Sweden and suggestions that Sweden will

use radar to locate their source. Using radar, it should be possible to backtrack the rocket firing positions to within a few miles. In the early stages of the rocket bombardment London it was found difficult

to pick up rockets—traveling 3,000 m. p. h.—on aircraft warning radar sets, but research workers have made considerable advance.

At the time the bombardment ended it was within the bounds of possibility to pick up rockets and give local warnings of impending arrival in time for persons to seek shelter.

Close Censorship
In Sweden the strict censorship is now imposed on publication of reports of rockets and the casualties in which they have fallen. The purpose of this is so that whoever is firing them will not gain much information about results; the same reason for which the British restricted publication of incidents during the war.

Reports that have reached here are unsatisfactorily circumstantial to provide any basis for worthwhile conclusions, although it seems that experiments are being carried out with several different types of rocket weapons.

Some days strange pilotless flying machines have been seen flying slowly. Other descriptions approximate more nearly to 8,000 m. p. h. rockets familiar to the British.

Reports were received in London today alleging that the Finns are building and experimenting with the German V-2 superrockets at various places in their zone in Germany. If true the manufacture of such weapons in Germany would be a violation of the Potsdam agreement.

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DP

AUG 14-29, 1946

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ROCKET BLOWS UP IN SWEDEN

Stockholm, Aug. 14.—(AP)—The newspaper Aftonbladet said Tuesday that a "ghost bomb," bursting over a Swedish lake, had nearly caused casualties and criticized military authorities for their failure to explain the nature of the missiles, which have been reported almost daily by observers for the past two months.

The paper said that two persons boating on the lake, located in central Sweden, were nearly hit by the bomb, which burst into many parts.

The paper also reported that a rocket had been observed near Gothenberg by a group of Boy Scouts, who saw the flying missile turn and then return to its original course.

(From Copenhagen came the first report of a "ghost rocket" explosion over Denmark. Briand Jensen, a night watchman in Struer, West Jutland, said he saw a speeding missile, approaching from the northeast, explode with a blinding flash.)

Swedish military authorities said Tuesday that they had received no tangible proof that the frequent celestial phenomena observed over the country resulted from foreign experiments with aerial missiles.

In retort Aftonbladet said "it ought to be possible to state whether they are meteors or not, and if they are rockets, one should be caught."

The paper added that if they were rockets and of Russian origin, as has been suggested, there were two possible explanations for their appearance over Sweden:

1—"Sweden is systematically being dotted in on a Russian military map."

2—"Sweden is being used as an object of demonstration, directed not at us, but to the big world."

Military authorities said little attention was paid to a rumor that a bomber which crashed Monday had been hit by a rocket bomb.

AG 14. P. 5

DENMARK REPORTS FLYING ROCKETS

Copenhagen, Aug. 18.—(INS)—Rocket projectiles, already reported over Sweden and Finland, were said Friday to be flying over Denmark. One rocket was reported seen north of Copenhagen.

All apparently have come from the former German experimental base at Peenemunde, on the Baltic coast, in the Soviet zone of the reich.

AG 16 P. 5

MYSTERY ROCKET SEEN IN JUTLAND

Copenhagen, Aug. 29.—(AP)—Dispatches from Aalborg in northern Jutland Thursday quoted residents of a small village in that area as saying a mysterious rocket had crashed and exploded just outside the hamlet Wednesday night.

One woman, the dispatches said, reported she was standing in her garden when the sky was lit by the yellowish glow from a strange missile which passed overhead.

The object crashed with an explosion that was followed "by something that looked like a rain of stars," she added.

AG 29 P. 8

Thur

Denver (co) POST

APB Opposition Backs Prop

Special to THE NEW YORK TIMES
ANKARA, Turkey, Aug. 14 (U.P.)—Turkey's answer to the Russian note on the Dardanelles will not be handed to Moscow in two or three days, as an expression of views actually is taking place on this matter between the British, United States and British Governments, according to sources in the capital.

Meanwhile, Turkey is violently opposed to the Soviet proposal for a joint Turkish-Russian defense of the Dardanelles. Discarding the possibility of a quarrel over internal political matters, the Government and Opposition papers are presenting a united front against the Russian proposal.

Commenting on the note, Cumhuriyet said for Turkey's independence, sovereignty and territorial integrity was at stake. It said the small Baltic States were in danger after the Russians entered those countries. "There is no possibility on earth that we will accept this formula of partition, invasion and imperialism," it said, "defending the Straits jointly. The Turks will defend the Straits."

The Democratic party here published a communique published tonight announced it would fully cooperate with the Government against the slightest attempt directed against Turkey's independence.

"We consider the Russian note as contrary to our principle of independence and sovereignty," the communique said.

Premier Peker is expected to be "astonishingly moderate" in his attitude toward Russia when the Government's foreign policy is defined in the National Assembly, authorities here said. This "moderate" attitude is the result of a desire to prevent any blame from falling on Turkey for provoking trouble. It does not mean that the answer to the Russian note will not be "firmly termed," he added.

U. S. Trade Experts to
WASHINGTON, Aug. 14

separate note the British also questioned the legality of full-page advertisements by the American Friends for a Free Palestine in American publications regarding contributions to further Palestine immigrations held illegal by the British Government. The press officer for the department explained that he did not know whether the British notes would be classified as "protests" by the Government or whether they were merely requests for information on the legality of the practices under this country's laws. In any case, the notes were for their own purpose, for the man said that the department was investigating the application of laws preparatory to drafting a reply.

Victim that there could be any peace in Palestine until the issue had been disposed of. In this connection, he was reported to be interested over conditions in the Syrian refugee and displaced persons camps where the Jews are

as learned that he was also regarding a proposal advanced by American and British experts in Palestine for the admission of European refugees into the United States under a special immigration quota. Most of the proposed immigrants would be Jews. Legislation would be required to juggle American immigration quotas so that, whenever a foreign country did not send its quota of immigrants to the United States, the unused portion would be assigned to the refugees.

Arab States Accept

KANDRIA, Egypt, Aug. 14 (U.P.)—The Arab League's secretariat announced today that seven Arab states whose Foreign Ministers have been conferring here had accepted the British Government's proposal for a conference in London on Palestine.

It was made clear that they would not take part in any conference with Zionists. It was also noted that the exiled Grand Mufti of Jerusalem, Haj Amin el Husseini, who is here, had taken no part in the Foreign Ministers' conference.

true sense but primarily an effort to provide supplementary means of subsistence for persons expelled from the east. The estimated 86,000 acres affected do not include church, state or municipally owned land. The disposition of these types of property is left to the three state governments, although officials expressed confidence that the church in particular would make voluntary contributions.

NY Times 15 Aug 1946
SWEDES FIND ROCKET CLUE

Lettered Metal Fragment Is Now Under Close Study

STOCKHOLM, Sweden, Aug. 14 (U.P.)—Swedish Army investigators have recovered a fragment of metal containing imprinted letters that may solve the mystery of rockets that have been flashing over Sweden and other Scandinavian countries since last May, it was announced today.

The fragment was reported to be a 2.75-inch section of metal. It has been placed in the hands of the Defense Research Institute for investigation.

Three additional rockets were reported sighted in southern Sweden last night, flying silently in a southwesterly direction at a high altitude. These reports said the rockets, bright as stars, passed overhead at intervals of five minutes.

Premier Per Albin Hansson announced today that the Swedish Government has not yet made any representations to any foreign Government in connection with the rockets, not having yet defined their nature and origin.

U.N. SEEKS ARGENTINE FATS

Presents Bid to Buenos Aires After U. S. Gets Refusal

BUENOS AIRES, Aug. 14 (U.P.)—A United Nations mission negotiating a new contract for Argentine fats and oils made a price offer today and a reply from the Argentine Government was expected within forty-eight hours.

The mission, headed by Jasper Knight of Britain, includes British, Danish, French and Netherland delegates at the International

Aug 14, 1946 11 146

THE NEW YORK

2 SWEDES ESCAPE A 'GHOST ROCKET'

Missile Dives Into Lake Near Couple in Boat—Boy Scouts Report Sighting Bomb

STOCKHOLM, Sweden, Aug. 13 (AP)—The newspaper Aftonbladet said today that two "ghost rockets" were observed in Sweden yesterday, and that one of them almost caused casualties.

A couple boating on a lake in Central Sweden were nearly hit by a diving bomb which burst into many parts and disappeared beneath the water, the paper said. The second observance was near Goeteborg, where a group of Boy Scouts saw a flying missile turn 35 degrees and then return to its original course.

The first "ghost rocket" explosion over Denmark also was reported in Copenhagen. Briand Jensen, a night watchman in Struer, West Jutland, said he saw a speeding rocket, approaching from the northeast, explode with a roar and illuminate the sky with a blinding flash.

Despite the accounts of recent witnesses who were unanimous in describing the flaming objects as "rockets," Swedish military authorities said today they had received no tangible proof that the frequent celestial phenomena observed over Sweden resulted from foreign experiments with aerial missiles.

"We have not found a thing," a military spokesman said.

Aftonbladet editorially criticized military authorities for their inability to explain the nature of the occurrences. "It ought to be possible to state whether they are meteors or not, and if they are rockets one should be caught," the newspaper declared.

If the occurrences are rockets and are of Russian origin, as has been suggested, the paper said, there were two possible explanations for their appearance over Sweden:

(1) "Sweden is systematically being dotted in on a Russian artillery map."

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"Acheson 'Much Interested'"

WASHINGTON, Aug. 13 (AP)—Under-Secretary of State Dean Acheson said today he personally was very much interested in reports of rockets flying over Sweden but that the Swedes had not sought any American advice on the subject.

ONE YEAR AFTER V-J DAY IN JAPAN



The Princesses Atsuko, Kazuko and Takako, daughters of the Emperor and Empress, washing dishes at their summer villa in Nasu during their vacation. They are learning cooking and other domestic tasks heretofore below the dignity of members of the royal family.

Associated Press Wirephoto

6 AFRICAN S WOUNDED

Special to THE NEW YORK TIMES
PRETORIA, So. Africa, Aug. 13—Blood flowed from gold-mine strikers as they fought strike-breakers. Under a volley of machine-gun fire, five Africans were wounded in the ensuing panic. The strikers were crushed by a stampeding mob, then surrendered work. Ten policemen were wounded by stones.

Two more miners were wounded as a consequence bringing the total of the strikers now 11.

Five agitators, including two Africans, were arrested for distributing pamphlets advocating passive resistance. The cause was demanded by the strikers. Their slogan is expropriation of the mines by the African Municipal Union.

JOHANNESBURG, Aug. 13 (REUTERS)—The government appointed a committee tonight to investigate the Rand strike.

GALES DAMAGE

Crops Seriously Mile Winds

LONDON, Aug. 13 (REUTERS)—Accompanied in the afternoon by driving rains, swiftness today, snarled extensively damaged crops sorely needed crop. Shipping in the Channel and in the Liverpool area was delayed by winds reaching an hour. The 2,000-ton steamer Kedah was in the Channel and 100 off in a lifeboat rescue. Suffolk farmers reported wheat harvest and the oats appeared 100.

23 Girls Survive

DUBLIN, Aug. 13 (REUTERS)—Thirteen French girls and four members of the French plane that crashed in the desolate Orkney Islands survived the ordeal in hospitals today. The plane was bringing the girls for a camping holiday. The plane pancaked down a narrow low visibility caused fall, fifteen miles from shore. Dozen girls suffered and other injuries were treated on the superficial bruises.

EISENHOWER IN PANAMA

Tours Zone Towns, Is Guest of Jimenez at Dinner

Special to THE NEW YORK TIMES

PANAMA, Aug. 13 (AP)—Gen. Dwight D. Eisenhower, accompanied by Ambassador Frank T. Hines, called on President Enrique A. Jimenez this morning. He was loudly acclaimed by crowds along the streets through which he was escorted by mounted and motorcycle police.

President Jimenez accompanied him to the border when he returned to the Canal Zone for a drive through the towns of Ancon

and Balboa to the canal administration building, where he was greeted by the employees.

General Eisenhower was guest of honor at a formal dinner given by President and Mrs. Jimenez in the Presidencia tonight.

Mexico to Give Views at Parley

MEXICO CITY, Aug. 13 (AP)—Mexican Foreign Minister Francisco Castillo Nájera said tonight Mexico would accept an invitation to present its viewpoints to the Paris Peace Conference. Alfonso de Rosenzweig Diaz, Mexican Ambassador to France, has been commissioned to speak for Mexico at Paris, Dr. Castillo Nájera said.

Arnold constable

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AUG

AUG 14 P. 11

NYT

1946

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2 SWEDES ESCAPE A 'GHOST ROCKET'

Missile Dives Into Lake Near
Couple in Boat—Boy Scouts
Report Sighting Bomb

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A couple boating on a lake in Central Sweden were nearly hit by a diving bomb which burst into many parts and disappeared beneath the water, the paper said. The second observance was near Golesborg, where a group of Boy Scouts saw a flying missile turn 25 degrees and then return to its original course.

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AUG 16 P. 3

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Premier Per Albin Hansson announced today that the Swedish Government has not yet made any representations to any foreign Government in connection with the rockets, not having yet defined their nature and origin.

The Weather

Today—Cloudy, with moderate temperature and occasional light showers.
Yesterday—High, 81; low, 61. (See Map Page 4)

The Washington Post

Single Copy Price
1946
5c

25,626

Printed in Great Britain
Published in Washington, D. C.

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WASHINGTON: WEDNESDAY, AUGUST 14, 1946

CHANGING DELIVERY SLIPS ON THE
CITY SIDE FOR THE NEW YORK OFFICE

Plane Hits Rocket, Three Swedes Killed

**Stockholm
Says Missiles
Make Arc to
North Russia**

HOAX

WP AUG 14, 1946
P. 1

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Stockholm Says Missiles Make Arc to North Russia

**Newspaper Quotes
Londoner as Stating
Projectiles Remind
Him of Buzz Bombs**

Stockholm, Sweden, Aug. 13 (AP). Three fliers were killed when a Swedish military reconnaissance plane collided head-on with a rocket bomb yesterday, Stockholm newspapers reported today.

The newspaper Aftonbladet said the reconnaissance plane crashed near Vaggeryd in southern Sweden.

Shortly after the plane's pilot spotted the bomb, it said, radio contact was broken and the listening post "heard a crash" the newspaper, quoting investigators, reported.

The report, published by other afternoon newspapers, was not confirmed.

Report Changes of Course

Meanwhile, government authorities prepared a nation-wide hunt for rockets. Air bases, radar stations and all military units were alerted for immediate action.

A well informed source said the bombs seen recently apparently were radio-controlled. Witnesses have reported seeing the bombs change course.

This source said the Swedish defense staff has established that the rockets made a wide semi-circle over southern Sweden, proceeding over northern Finland toward the Kola peninsula of Russia.

The second rocket bomb in two nights streaked over Stockholm like a meteor early yesterday, unconfirmed press reports said today.

Englishman Quoted

Descriptions of several eyewitnesses coincided with details of the first bomb. The newspaper Morgontidningen quoted an English visitor as saying "It looked just like the flying bombs I saw in London."

Other reports said bombs, "small and going very fast," passed over southern and central Sweden.

Although the press and public complained bitterly about the "ghost bombs," military and government officials remained silent.

But the newspaper Dagens Nyheter said editorially that the "ghost rockets" were a misnomer for "earthly phenomenon" and that "these ghostly disturbances must be regarded as a preliminary exercise of the most unwelcome kind."

Even during the war the Norden societies continued their work, each in its own country, with the exception of Norway where the oppressive German occupation rule made it impossible. In Sweden the Norden society saw a great expansion of its activity and tripled its membership; its work was social humanitarian to a greater extent than before, the society regarding as its particular mission to render aid to refugees from the Scandinavian countries. The Finnish society now has nearly ten times as many members as in 1939, The Norden society in Denmark is still numerically largest, with more than 50,000 members.

Scandinavian Airlines Form Joint Organization for Transatlantic Traffic

NEW YORK, August 19

The Swedish Intercontinental Airlines (SILA), the Norwegian Airlines (DNL) and the Danish Airlines (DNL) have formed a joint organization to operate regular lines from Scandinavia to North and South America. Regular transatlantic trips between New York and Stockholm, Oslo and Copenhagen are scheduled to begin September 17. Meanwhile, twice-weekly charter service is being operated to relieve the back-log of traffic.

The new organization is called Scandinavian Airlines System, or Scandlin. It has a fleet of seven Douglas DC-4s, each seating twenty-eight passengers. Trips, at present twice a week, will be stepped up to three times weekly in October. Per A. Norlin, president of the SILA, has been named president of the new airline, and the board will comprise six members, two from each country. The agreement has been made for five years.

Origin of Mysterious Projectiles Over Sweden Still Unclear.

STOCKHOLM, August 15 - (By wireless)

"The Swedish Government has not been able to take any action in any foreign capital with regard to the mysterious projectiles over Sweden," Prime Minister Per Albin Hansson declares in a statement published in today's newspapers. "The nature of the missiles has not been established, nor has it been possible to ascertain their origin."

Since the beginning of July the Swedish Defense Staff has received a great many reports of strange rockets streaking through the skies at night. A particularly great number of missiles seems to have been observed on August 11.

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Issue of August 21, 1946

Case File - Stockholm, Sweden

Worth in schoolboys years up!

era Feet rates the country's and colleges.

With our complaints! Call, phone write for this page book of schedules, rules, nations, plays, all the ge" to give fans better understand- of the Game. luded, too, are dium diagrams arrangements.

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ork cause nervous

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n this issue

ation from best-seller "Revealing story of a science in the treacherous advertising—a world of smes, \$35 hand-painted talking talent agents, man's sizzling novel was Mouth Club selection.

long will it last? Every- icking—marriages, di- into deaths—even insanity rices, profits and employ- just how crazy the boom and what could stop it.

e clergymen. Are minis- or do they have to fight stations and problems that A clergyman tells why the of the cloth see signs of week than most men do in

ress your word power. " mean foreign. false, par- Adding new words to your increases your self-confi- influence—even your learning is word quiz. It's fun to do; dividends.

articles of lasting interest, use your time, in this issue.

the peace conference by M. Bidault, who indicated that the differences among the recent Allies were towering above those between the Allies and their former enemies. This view of M. Bidault, who sat with the Foreign Ministers of Russia and the Western powers through two long conferences, would not be contested by any other Big Four delegation here.

The shooting down of unarmed American transport planes by the Yugoslavs—presumably because they suspected the Americans of conducting espionage from the air—is regarded as symptomatic of the embittered atmosphere in the Luxembourg Palace, where the former Allies are supposed to be trying to make peace with the Axis satellites.

This is interpreted to mean that one recent Ally, a satellite of Russia, is so distrustful of the United States that even in the absence of hostilities it shoots first and asks questions afterward. This translates into the military sphere the distrust that is only too obvious of the floor and in the committees of the conference.

If this distrust grows so great that France's assumed role of mediator becomes hopeless, as M. Bidault suggests might happen, France in the present circumstances would have hardly any role to play. For two reasons she cannot take sides with either Russia or the west.

One reason is the Communists' influence within France and within her Government, which is great enough to prevent her lining up on the western side but not great enough to draw her to the Russian. The other reason is that, in her exposed, defenseless position on a continent dominated by Russian military power, France is compelled to take an attitude of cautious neutrality.

Both these factors dominate the considerations of those in responsible positions. One reason for former President de Gaulle's recent suggestion of a western European bloc led by Britain and France was his belief that the United States would pull out of Europe in a military sense and would not draw her line of defense in the center of Europe to the east of France, though some think that she would draw it at the Pyrenees.

In such a situation there could be nothing for France to do, it is believed, but to strike for neutrality between what M. de Gaulle called the two super-powers that many Frenchmen think are destined to live in a state of tension for a long time.

There is another factor influencing French policy. The French say that the United States and Britain supported France in London last September, when France sought a seat in the Council of Foreign Ministers, but let her down three months later in Moscow by agreeing to her exclusion from the negotiations of all but the Italian treaty. The western powers did this in order to get Moscow's agreement. The French suspect that this might happen again—that is, that if they sided with the western powers, those powers might again let them down in order to come to terms with Moscow. Here, they think, is another reason for diplomatic neutrality on their part. But most significant of all is the French view that relations east and west, are getting beyond the point where mediation offers any hope.

U. S. LEADS IN DENAZIFYING

Military Government Aide Says

Left to right: Benjamin Kopsi, William ...

INQUIRY INTO ARMS IN GERMANY SEEN

British Foreign Office Hears Soviet Makes Munitions— Radar Sent to Sweden

LONDON, Aug. 22 (AP)—Britain may ask a four-power investigation of reports that arms and war equipment still are being produced in the Soviet occupation zone of Germany contrary to the Potsdam Agreement, a Foreign Office spokesman said today.

He declared there was "great possibility" of such action, and that reports of such continuing production were still being received by British authorities in Germany.

The spokesman also disclosed that British aircraft, radar equipment and radar experts were being sent to Sweden. This news came after a correspondent had asked whether Britain had been approached by the Swedish Government in connection with the continuing appearance of rocket projectiles over their territory.

Later a Government source said British radar experts who had visited Sweden recently had submitted secret reports to the British Government on the origin of the rockets.

The Foreign Office spokesman recalled that Britain's first request for a probe into German disarmament progress had come late in 1945 after Field Marshal Georgi K. Zhukov, then Soviet representative on the Allied Control Council, had accused Britain of maintaining armed German Army units in their zones.

Inquiry Blocked by Soviet

Then in July Foreign Secretary Ernest Bevin told Russian Foreign Minister Vyacheslav M. Molotov at the Foreign Ministers Conference in Paris that Britain would welcome a four-power inquiry into persistent reports reaching him that the construction of war material still was taking place in the Soviet zone.

In May the Allied Control Commission's coordinating committee had failed to agree on a United States proposal for a four-power investigation of German disarmament. It was reported in Berlin that the Soviet Union had blocked this action.

The United States had proposed not only an investigation into all fields of disarmament in the four occupation zones but also into the economic field as well.

The British Foreign Office spokesman said Sweden was one of several countries purchasing radar equipment from Britain. Asked why radar experts were also being sent there, he said:

"When a man buys a motor car, a salesman usually demonstrates to him how it works. Radar is far more complicated technically than motor cars or aircraft. Our experts are going to demonstrate the mechanics of the radar equipment to the Swedes."

News Reports of U. S. Belligerents Make Russians Question Our A

'Why Do Americans Want War?' The —Byrnes Blamed for Paris De —Peace Seen in Kremlin Policie

By DREW MIDDLETON

Special to THE NEW YORK TIMES

150

MOSCOW, Aug. 22—Dissatisfaction and apprehension over the lack of progress at the Conference of Paris are growing among Soviet citizens with whom one comes in contact in Moscow. Again in the last week this correspondent has been asked by total strangers: "Why is the United States taking such a belligerent attitude against us?"

Last night at the Hermitage, a popular amusement park here, a Soviet officer asked me: "Why do the Americans seem to want war, why don't they cooperate with the Soviet Union?"

After the air show at the Tushino Airfield on Sunday a Russian acquaintance said: "I hope that you will tell the Americans that the Soviet Union is strong enough to take care of itself if you persist in seeking war."

As far as a correspondent can gather most of the Russians reading their newspapers' daily accounts of the Paris conference feel that the quest for peace, in which their own country is pictured as the leader, is being frustrated at every turn by what are so often referred to as "forces of international reaction." It is obvious, too, that United States Secretary of State James F. Byrnes has become the leader of these forces in public opinion.

At first, the publication in full of one of Mr. Byrnes' speeches in Paris produced only a feeling that too much time was being wasted. Repeated attacks on Mr. Byrnes, and to a lesser degree against members of the British delegation, in the press have strengthened the idea of the existence of an organized bloc that does not want peace and possibly may want another war. This is the way the difference of opinion in Paris is interpreted here.

The Soviet Union does not want war, equally it does not want to meet continued resistance to its foreign policy in Paris or anywhere else. From the viewpoint of the Soviet citizen the price of peace is not a high one, it is merely for the United States and Britain to follow the lines for world cooperation.

tion as elucidated by his ernment.

Soviet citizens with a correspondent has talked bly refer to "peripher like Poland and Bulgaria, everyone could live ly together.

The Soviet citizen is daily by the strength of sition that appears to b ing to frustrate his peaceful designs. That sition comes from "forc national reaction" in States and Britain he for he has been told so

However, beneath the over the slow pace of making runs a rich ve dence. After all, he played a major role in other such forces not

Sees Control by U.

MOSCOW, Aug. 2 Communist party organ clared today that t American Bloc" at the ference had built up a jority "based mainly foundation of the Ar lar."

"Now that all is known at the conferen Anglo-American mec results of each vote a cult to see," declared Pravda, corresponde from Paris.

He added that for Leon Blum of France the leading supporters of world rule of the was openly calling fo "all European power tem of American ec

Mr. Izakov said M. ly had been a weak- Secretary Byrnes' v the two had been se great deal of late.

"This may throw the ambiguous pos French delegation conference, which su fers from the condu representatives at the the Foreign Minis Mr. Izakov wrote.

LEGION GROUP URGES ACTION ON BALKANS

OSCAR WARNE

French Accuse Ne of Illegal Mon

Special to THE NEW YORK TIMES

PHILADELPHIA, Aug. 22—The first post-war convention of the Pennsylvania American Legion accepted for consideration today several resolutions which would request the Government to take action, short of war, to halt the Balkan incidents.

The resolutions were introduced after several thousand Legionnaires heard Senator Francis P. Myers denounce "the outrageous acts perpetrated by Marshal Tito against American

PARIS, Aug. 22 financial police a Warner of New 3 charges of illegal gency.

Warner is a mem ber family whom military police che with having operat black market netw Army postoffice b.

Inspectors from Ministry said they 000 in occupation ner's possession in

946 AUG

DENMARK

151

JUTLAND ROCKET
Villagers near Aalborg in Northern
Jutland reported yesterday they a
rocket fell in the neighbourhood on
Wednesday, A.P. stated. 30-G-16

LONDON DAILY TELEGRAPH 30 AUG 1946

LaParl, W.P.

Date August 1946

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LATE NEWS

MISSILE OVER OSLO. REPORT

(See This Page)

Oslo, Monday.—What is believed to have been flying bomb or rocket was reported seen over capital on Saturday night. It is learned here to-night. Several eye-witnesses said object was followed by tail of fire and travelled as quickly as fighter plane.—B.U.P. 27.8.46

ROCKET BOMB IN DENMARK

COPENHAGEN Tuesday.

A rocket bomb to-night fell with a thundering explosion in a North Jutland village.

Onlookers described seeing a bullet-shaped body with a tremendous fire column of thousands of stars soaring through the sky.—Exchange. 28.8.46

JUTLAND ROCKET

Villagers near Aalborg in Northern Jutland reported yesterday that a rocket fell in the neighbourhood on Wednesday. A.P. stated. 30.8.46

ing Post

Prin

NORWAY BANS DISCUSSION OF ROCKETS

REPORTS FOR HIGH COMMAND ONLY

From OSSIAN GOULDING,
Daily Telegraph Special Correspondent
OSLO, Friday.

The discussion of the flight of rockets over Scandinavia has been dropped in the Norwegian newspapers since Wednesday.

On that day the Norwegian General Staff issued a memorandum to the Press asking it not to make any mention of the appearance of rockets over Norwegian territory but to pass on all reports to the Intelligence Department of the High Command.

Military security and political nervousness appear to be responsible, in equal proportions, for this measure. In Sweden the ban is limited to any mention of where the rockets have been seen to land or explode.

Two of the projectiles have been seen over Oslo during the past week, and two are reliably reported to have landed in Lake Mjoesen, north of the city. Unfortunately the lake is too deep for the authorities to be able to hold out any hope of dredging the pieces.

The Norwegian military authorities, while disturbed and keenly interested in being the first to secure a complete model, know considerably less about the rockets than Swedish experts.

"NEW EXPLOSIVE" THEORY

The Swedes' latest theory is that the rockets may contain a new explosive which dissolves the missile into small particles of dust when its range is exhausted.

Swedish radar has recorded that in many cases the rockets' flight has ended abruptly in the area in which a puzzling explosion has been reported approximately at the same time. Yet on searching with special metal detecting equipment, they have been unable to discover even the smallest fragment. 31.8.46

SFC

AG 28 S, 6

1946

Gen. Doolittle Is in Brussels

BRUSSELS, Aug. 27 (AP)—General James H. Doolittle arrived here today on a private visit. He is scheduled to leave tomorrow for Paris.

AG 28 P.1
wed

San Francisco (LA)
Chronicle

S. 6
P. 47
Fri

U. S. Air Show Over Athens Is Canceled

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ATHENS, Sept. 5 (AP)—The mighty aircraft carrier Franklin D. Roosevelt arrived in Greece today with escorting vessels from a U. S. naval task force, but plans to send 120 airplanes to write "FDR" into the skies of Athens suddenly were canceled.

An informed source said that while the carrier was still at sea U. S. Ambassador Lincoln MacVeagh had asked abandonment of the air demonstration.

The warships arrived as the Press Ministry announced that King George II had accepted the resignation of Archbishop Damaskinos prior to his imminent return to the Greek throne, in accord with the outcome of Sunday's plebiscite.

Thousands of Greeks watched as the Franklin D. Roosevelt anchored outside Piraeus harbor. Plans had been announced for sending the carrier's planes over the city in a giant air show.

But an informant aboard the vessel said the show was called off after the American Embassy in Athens had sent word that any martial display would be ill advised at this time.

The huge carrier was too big to anchor inside the historic port of Athens, but the escorting vessels that made their way into the port included the cruiser Little Rock and three destroyers.

Hundreds of Greeks were permitted aboard to inspect the carrier.

The Communist newspaper Rizospastis declared it viewed the visit with "exasperated bitterness," and said it was by "an irony of history that the huge carrier visits Greece bearing the name of Roosevelt, a great liberal idealist."

Meanwhile acting Foreign Minister Stephanos Stephanopoulos supported a statement in London by Premier Constantin Tsaldaris that flying rockets had been seen in Northern Greece. He said Greek divisional commanders and British officers had seen them both east and west of Salonika.

He said rockets estimated to be flying at a height of 5000 to 10,000 yards had been seen specifically at Drama, 130 miles northeast of Salonika and just below the Bulgarian border. He added an investigation was under way.

WP

AUG 29, 1946

P.1

154

Flying Bomb Explodes in Edge of Town In Denmark

No Trace Is Found
Rocket, Called
Reds' Reply to Atom
Weapon by Press

Copenhagen, Denmark, Aug. 28
A.P.—A flying bomb, apparently
similar to the ones reported zoom-
ing over Sweden during the past
month, crashed into a suburb of
North Jutland township last night.

No trace of the missile was found
and there was no damage, Copen-
hagen authorities reported.

A witness told Copenhagen news-
papers:

"I was standing in a dark gar-
den at 9:30 p. m. and saw a yellow
light, like a ball, flying from east
to west. Suddenly the sky was
filled with stars in all directions.
There was an enormous flash and
then the most terrible sound of an
explosion. A neighbor saw the
same as I did."

In eastern Denmark soldiers re-
ported they saw a "ghost bomb"
last night, presumably the same
bomb which exploded at North Jut-
land.

They described it as "a small
ball with a dim, flickering light and
a small tail of smoke. The ball
traveled at plane speed and its
light was visible for some minutes."

Swedish authorities recently re-
quested Britain to supply Sweden
with radar equipment in an effort
to chart the course of the bombs.
They said the bombs, or rockets,
apparently were radio-controlled
and came from the east, circled over
Sweden in a wide arc and headed
back toward the Soviet Riga coast.

Newspapers have speculated that
the "ghost bombs" was "Russia's
answer to the atomic bomb."

LaParl, W.P.

Date September 1946

GHOST ROCKETS "SLANDER"

SOVIET DENIAL

MOSCOW, Tuesday. The New Times, a Soviet fortnightly journal, to-day described as untrue Press suggestions that "ghost" rockets seen over Sweden are radio-controlled shells released by the Russians. Such allegations are described as part of an organized campaign of slander against the Soviet.

"No one has thought of verifying the truth of the statement," the paper declared, adding that the British General Staff had received hundreds of reports daily about the shell discoveries.

"But the bubble has burst. The British General Staff has found the objects discovered at the places concerned have no resemblance to shells."—A.P. 4.9.46

ROCKET REPORTED OVER AUSTRIA

Vienna, Thursday.—According to unconfirmed reports reaching Vienna, a mysterious rocket passed over Graz, in the British zone, to-day. It is said to have been travelling at a great height and in a north-westerly direction.—Reuter. 13.9.46

13.9.46

TAIL OF FLAME OVER MOROCCO

FLYING PROJECTILES

CASABLANCA, Wednesday.—A flying projectile with "a tail of flame" was seen last night over the town of Fez, Morocco, it was reported here to-day. At almost the same time a similar missile was reported from near Tangier.

Witnesses at both places said that the projectiles seemed to fly at low altitude, from east to west, trailing a long thin tail of yellow and green light. They travelled at a great speed.—B.U.P. 19.9.46

THE flying fireballs

THE HAGUE, Saturday.—Flying fireballs—with glowing tails, travelling noiselessly at high speed, have been reported at night over the north and east of Holland.—Reuter. 15.9.46

"ROCKETS" IN GREECE

From Our Special Correspondent ATHENS, Friday. British military authorities here stated officially to-night that reports of rockets being seen in areas of northern Greece are without confirmation from any British source. 7.9.46

Rocket over Greece

Seen in Macedonia

A ROCKET flying from north to south over Western Macedonia was seen yesterday in the Koziani area of Greece.

It was reported by the police to have passed about 70 miles west of Salonika.—Reuter. 8.9.46

and French see 'ball of fire'

PARIS, Saturday.—What is described as a ball of fire was seen travelling in a south-westerly direction near Chateauroux, in Western France, it is reported in Paris tonight.

It was first seen last night, and was seen for a second time a few hours later, the report says.—B.U.P. 8.9.46

BRITISH ZONE "BALL OF FIRE"

NEAR SOVIET LINE

BRITISH ZONE H.Q. Germany, Tuesday. What is described as a "ball of fire" has been seen passing over the British zone of Germany, it was revealed here to-day.

B.A.O.R. H.Q. confirmed that it had received the first official report of a "ball of fire with a tail" travelling at great speed 35 miles from the frontier with the Soviet zone. Military sources were not prepared to comment on whether it was a rocket projectile.

An official written report states: "At 21.05 hours what appeared to be a ball of fire was seen flying over the district of Pinneburg. It came from the south-east. It was white and had a tail and was travelling at great speed."

Pinneburg is 10 miles north-west of Hamburg. An hour's drive anywhere to the east and south-east brings one to the frontier between the Soviet and British zones.

Investigations are known to have been continuing over the entire area, but so far they have proved fruitless.—B.U.P. 18.9.46

'Spookbombs' over the British zone

BERFORD, Saturday.—More "spookbombs" have been reported by British troops in Germany, this time over the Lingen-Meppen area of the Dutch frontier. Officers and other ranks reported seeing several missiles similar to flying bombs moving at great speed from east to west.—B.U.P. 29.9.46

NY Times

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Seen
in Light
of New Try

**DEMOCRATS BUOYED
BY TICKET MAKE-UP**

Nomination of Erastus Corning 2d for Lieutenant Governor is Prime Factor

By WARREN MOSCOW
Special to THE NEW YORK TIMES

ALBANY, Sept. 3—Democratic hopes for victory in the State campaign, which once were high and then dropped to a record low level, have risen again as a result of the ticket selected by leaders of the party. All on the slate are scheduled for formal nomination, without a dissenting vote, at the final session of the State convention tomorrow.

The principal increase in the optimism, and it appears to be a genuine increase, not produced for campaign morale purposes, is due to the nomination of Erastus Corning 2d as the candidate for Lieutenant Governor. The 36-year-old Mayor of Albany, leaders believe, will have a genuine appeal to former service men in the State, quite apart from organized veterans groups.

Mayor Corning, who was drafted to make the race, also was drafted into the Army, as a private. He rose, in seventeenth months, to private first class, with a Presidential unit citation, a Good Conduct Medal, and combat infantryman's badge, and the party leaders would rather have him on the ticket than a major general.

Family Long in Politics

**Russians Cry 'Slander'
To Rocket-Firing Charge**

By Reuter.

MOSCOW, Sept. 3—The Soviet journal New Times denounced as anti-Soviet slander today allegations that radio-controlled shells fired by Russia were crossing Swedish territory.

The paper said that, although one Swedish newspaper had concluded that the alleged missiles were nothing but a mirage, the "panic" spread by the reports was not a mirage but real fact.

The denunciation formed part of a new serial "dedicated to systematic exposure of the anti-Soviet misinformation and slander, which is poisoning the international atmosphere." Flow of such material, New Times declared, was incessantly increasing.

Other examples that the magazine dealt with were the purported mass kidnapping of German youths by the Russians, which "proved untrue and poisoned the air like a bad egg," and allegations about the recent Soviet-Afghan border agreement.

but by a small margin, in November.

See 600,000 Edge in City

In the Governorship race, the leaders feel it is possible to get a majority of 600,000 in New York City, enough to stand off the Republican margin up-State, provided that registration is large enough. They are counting on the recognized vote-getting abilities of Herbert H. Lehman, candidate for United States Senator, to swell the ballot in New York City, with the

Cleveland in 1884, Europe and went the Republican lion was getting le and, as many and predicted, to seated candidate

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SEPTEMBER 6, 1946.

NY Times 157

RULE SEEN OF BYRNES

From Page 1

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PARIS PROGRAM TODAY

Special to THE NEW YORK TIMES.

PARIS, Sept. 5—The schedule of tomorrow's peace conference activities:

- 10 A. M.—Italian Political and Territorial Commission; Economic Commission for the Balkans and Finland.
- 3 P. M.—Plenary session to hear the representative of Iraq.
- 4:30 P. M.—Italian Economic Commission; Hungarian Political and Territorial Commission; Bulgarian Political and Territorial Commission.

And while commitments at Potsdam to give the Soviet Union the Koenigsberg area and Poland parts of eastern Germany must be respected, the extent of Poland's encroachment must be limited in any ultimate settlement by the necessity of creating an economically sound Germany.

The basis for United States insistence on turning over governmental responsibility to Germans was expressed by Gen. Joseph T. McNarney at a press conference in Frankfurt on the Main today.

"Government agencies of the Laender and Laenderrat," he said, are doing an honest and efficient job. I can state without qualification that the German governmental machinery in the United States zone is far advanced over that existing in any other zone, that it is operating on democratic principles and that the results obtained to date give rise to optimism as to the future of Germany as a respected member of the society of nations."

Clay Greets Byrnes

Special to THE NEW YORK TIMES.

BERLIN, Sept. 5—Lieut. Gen. Lucius D. Clay, United States De-

CARRIER CANCELS ATHENS AIR SHOW

Continued From Page 1

The King replied: "I am deeply moved by your wishes and I believe that God Almighty will help me in the difficult task that I am about to assume."

Acting Foreign Minister Stephanos Stephanopoulos supported a statement in London by Premier Constantin Tsaldaris that flying rockets had been seen in northern Greece. He said that Greek divisional commanders and British officers had seen them both east and west of Salonika.

He said that rockets, estimated to be flying at a height of 10,000 yards, had been seen specifically at Drama, 130 miles north-east of Salonika and just below the Bulgarian border. He added that an investigation was under way.

Rear Admiral John Cassady, commander of the American task force, was received today by the Regent and later called on by Stephanopoulos.

Acting Premier Stylianos Gonatas said that he had been advised by the British Embassy that the withdrawal of some British troops would begin at a slow tempo in mid-September, in accord with a decision taken some time ago by the British Middle East Command.

Promises of support of the constitutional monarchy came from Panayotis Kanellopoulos and George Papanedreou, both former Premiers and leaders of the Republican National Unionist party, which had opposed the monarchy. The Leftist National Liberation Front [Eam] had announced that it would challenge the plebiscite on charges of fraud, violence and falsification in a case scheduled to be

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the demonstration was intended to avoid a "martial display."

Earlier today the Greek Ministry of Public Order reported that three sailors aboard a minesweeper in the Gulf of Volos had been killed when the vessel was attacked by Communist-operated shore mortars and that two soldiers had been killed and six wounded in a ten-hour pitched battle near Volos yesterday with a band of 300 men. The Ministry said the civilian band had heavy losses. In single incidents in Athens, two Rightists also were killed yesterday, it was added.

British Scout Rocket Reports

Admiral Cassady said at his news conference that the squadron was here for two reasons—it is the policy of the United States to show the flag in all parts of the world and to offer a chance of modern battle training for the destroyers and cruisers now stationed in the Mediterranean.

The squadron will leave Monday for Malta, Algiers, Tangier and Casablanca before sailing to United States waters for scheduled maneuvers later.

Admiral Cassady said he was "vastly impressed with the friendship these people have for America, and the reception could not have been more cordial. Everywhere we have gone we have been met with cheers and applause."

The British Embassy issued a news release tonight discounting reports that flying rockets had been seen over northern Greece.

The release, emphasizing that no British officer had reported seeing such missiles, said the rockets could have been a type of flare, such as a Very pistol, a number of which have been reported in the same area.

TRADE GROUP BARS BILATERAL ACCORDS

Special to THE NEW YORK TIMES.

LONDON, Sept. 6—Opposition to long-term bilateral trade agreements, because they prevent restoration of trade on a basis of competitive efficiency, was expressed today in the report of the drafting committee adopted by the United Nations temporary subcom-

tersely:

"Three Greek soldiers of Shon-Morise section secretly entered into our frontier ringing a hand bell to give the impression of a flock of sheep."

The Albanians, however, were not fooled. The report added:

"Actually they were reconnoitering our partisan frontier forces. One of the soldiers of our patrol, as soon as he heard the ringing of the hand bell, went to see what was happening. As soon as the Greeks saw our soldier they fired at him, intending to kill him. Our soldier, saving himself, took position and with his two other comrades have fired twice and forced the Greeks to withdraw."

The question of livestock came in for much attention in the Ukrainian report, which charged that probably every mule, ox, pig and cow that disappeared from Albanian farms had taken up residence, by invitation, somewhere in Greece.

In one example, the Ukrainians asserted that seven Greek soldiers marched fifty meters into Albania and that on the way back the procession consisted of seven soldiers and one ox belonging to Mr. Yaco.

For their part the Greeks want to know whatever became of the mule owned by Mr. Drallios, which they say was carried away by the armed forces of Albania and never "restored."

Although both complaints tell of incidents of bloodshed, neither does credit to the marksmanship of Greek or Albanian soldiers. The engagements listed ranged from the exchange of a few shots to skirmishes lasting two hours, but in most cases the reports ended with the same laconic "no casualties."

Because of the subject matter of some of the complaints, both reports were read for entertainment value at United Nations headquarters, but there were many incidents that brought no laughter at all. For the most part these had been previously presented to the Council by Ukrainian and Greek delegates. They reported instances of murder, pillaging and abduction on both sides.

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The ques arises is whe finding obst cooperation—here—too gi withdraw in the Soviet world-wide fine itself to of carrying five-year pl ties with Poland, Bul Rumania.

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BUS STRIKE CLOSES SCHOOL YUGOSL

Rockets Reported Over Greece Again.

London, Sept. 9. (U.P.)—The Exchange Telegraph News Agency said today from Athens that two more rocket projectiles had been reported flying over Greece.

The first was reported Sunday over the towns of Drama and Doxipar in eastern Macedonia and disappeared over the Isle of Thassos.

Another rocket was reported later in the day flying over Pharsalos, Thessaly, heading south.

S. 10 P. 3

'Fireball' Seen Streaking Over British Reich Zone

Herford, Germany, Sept. 17 (U.P.)—A rocket-type missile apparently similar to those seen recently over Sweden, Holland, Denmark, France and Greece has been reported streaking over the British occupation zone of Germany, a British official said today.

He said the "fireball" was seen traveling a great speed 35 miles from the boundary between the British and Russian zones.

S. 18 P 4

was

Washington (D.C.)
POST

Luminous Body Rumors Enliven Life in Kashmir

159

Bombay, Sept. 14 (U.P.)—Life in the Idyllic vale of Kashmir has become very exciting what with the appearance of a "luminous body resembling a squash racket" in the Indian heavens and rumors of highly questionable origin concerning Russian troop and plane movements to the north.

The reports were said to originate in Srinagar, capital of Kashmir, and were printed by the Lahore newspaper Pratap, which said:

"A mysterious luminous body resembling a squash racket in shape was seen speeding across Kashmir towards the west Wednesday night. The object left behind a long-smoke-like trail."

Another report said Soviet troops were maneuvering close to the junction of Kashmir, Sinkiang and Afghanistan and that unidentified planes had been seen flying over the Kashmir border. The region is one of the world's most remote.

S. 15

P. 8M

SUN

Mystery Projectiles Zip Over Fez, Tangier

Casablanca, Sept. 18 (U.P.)—A mysterious flying projectile, shooting flame from its tail, was seen last night flying over Fez, and another, of the same description, was seen near Tangier, it was reported today.

Witnesses of both projectiles said they seemed to be flying at low altitude and were far speedier than any plane.

S. 19 P 4 Thurs

6 Sep 7
Sep 6/7

GREECE
FRANCE

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SUNDAY EXPRESS
**Rocket over
Greece**
Seen in Macedonia

A ROCKET flying from north to south over Western Macedonia was seen yesterday in the Kozani area of Greece. It was reported by the police to have passed about 70 miles west of Salonika.—Reuter.

and French see
'ball of fire'

PARIS, Saturday.—What is described as a ball of fire was seen travelling in a south-easterly direction near Chateauboux, in Western France. It is reported in Paris tonight.

It was first seen last night, and was seen for a second time a few hours later, the report says.—B.U.P.

8-9-46

LONDON SUNDAY EXPRESS 8 SEP 1941

746 SEP

HOLLAND

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15 SEP 1946
The flying fireballs
THE HAGUE, Saturday.—Flying
fireballs with glowing tails,
travelling noiselessly at high
speed, have been reported at
least over the north and east of
Holland.—Reuter. 15.9.46

LONDON

SUNDAY EXPRESS

15 SEP 1946

1946 Sep

Austria

162

ROCKET REPORTED
OVER AUSTRIA

Vienna, Thursday.—According to unconfirmed reports reaching Vienna, a mysterious rocket passed over Graz, in the British zone, to-day. It is said to have been travelling at a great height and in a north-westerly direction.—Reuter.

13-946

LONDON DAILY TELEGRAPH 13 SEP 1946

SFC

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Report of Flares at Sea Probably a Hoax

Radio reports supposed to have come from the San Francisco-bound Marine Falcon telling of mysterious flares 465 miles at sea were believed a hoax last night, according to the San Diego Coast Guard.

It said two messages received Wednesday night used the call letters of the Marine Falcon but about two hours later the ship contacted its San Francisco office and made no mention of the earlier reports. And a B-17 air-sea search and rescue plane reported it could find "absolutely nothing."

S. 13 P. 11 Fri

Portuguese See 'Ball of Light'

LISBON, Sept. 15 (AP)—Residents of Portugal's Alemtejo province reported seeing at dawn today a strange bluish ball of light in the sky and speculated that it might have been an aerial weapon.

It appeared to descend slowly over Casablanca station, then suddenly changed its course southwards. It was visible for over five minutes.

S. 16 P. 1 Mon

Swede Belittles 'Ghost Rockets'

NEW YORK, Sept. 16 (AP)—Dr. Carl Manne Seigbahn, Sweden's leading nuclear physicist and a Nobel prize winner, today dismissed reports of "ghost rockets" flying over Sweden as "hysteria."

"I personally examined one of those 'rockets,'" He told reporters when he arrived aboard the Drottningholm to attend a nuclear physics conference "it was a meteorite."

He said he was "very suspicious about the existence of any such missiles."

Flaming 'Object' In Belgrade Sky

BELGRADE, Sept. 16 (AP) — A rocket-like object, trailing a tail of yellowish-orange flame, streaked through the skys slightly south of this city at 9:43 o'clock tonight.

Traveling at terrific speed and maintaining steady altitude, the object whizzed out of the west and disappeared toward the east.

The phenomenon was visible for 10 seconds and was observed by members of the United Press staff here.

S. 17 P. 1

Swedish Army Says "Rockets" Just Celestial Phenomena

STOCKHOLM, Oct. 10 (UP)—The Swedish High Command today broke a four month's silence on the mysterious "rockets" seen flashing over Sweden since last May and said they "probably" were just meteors or other celestial phenomena.

The defense staff communique said 1000 reports had been received on the phenomena, of which 80 per cent were light flashes "which very likely were of celestial origin" and the remainder concerned bodies of different shapes. The latter reports were "very vague and must be regarded skeptically," the communique said.

OCT 11 P. 1
Fri

San Francisco (CA)
Chronicle

Sept 20, 1946

Spain?

*Oviedo --A ball of luminous green light was seen to cross the sky in the early morning by a number of people. The ball had an appearance of what the press described as what a flying bomb looks like.' (Valladolid, Report for September 20, 1946.).

End of document.

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p. 27

6 SEP

MOROCCO
PORTUGAL

165

**"TAIL OF FLAME"
OVER MOROCCO**

FLYING PROJECTILES

CASABLANCA, Wednesday.

A flying projectile with "a tail of flame" was seen last night over the town of Fez, Morocco, it was reported here to-day. At almost the same time a similar missile was reported from near Tangier.

Witnesses at both places said that the projectiles seemed to fly at low altitude, from east to west, trailing a long thin tail of yellow and green light. They travelled at a great speed.—B.U.P. 19.9.46

"Strange Lights" Sighted

Officials at Lisbon observatory were unable yesterday to explain reports that strange lights had been seen moving across the sky in different parts of the country, said Rader from Lisbon. The phenomena were described as bright, greenish balls of light, all travelling southwards.

LONDON DAILY TELEGRAPH 19 SEP 1946

A

1946 August

GERMANY

166

**BRITISH ZONE
"BALL OF FIRE"**

NEAR SOVIET LINE

BRITISH ZONE, H.Q., Germany,
Tuesday.

What is described as a "ball of fire" has been seen passing over the British zone of Germany, it was reported here today.

R.A.O.C. H.Q. confirmed that it had received the first official report of a "ball of fire with a tail" travelling at great speed 50 miles from the frontier with the Soviet zone. Military sources were not prepared to comment on whether it was a rocket projectile.

An official written report states:

"At 21.05 hours what appeared to be a ball of fire was seen flying over the district of Pinnaburg. It came from the south-east. It was white and had a tail and was travelling at great speed."

Pinnaburg is 10 miles north-west of Hamburg. An hour's drive anywhere to the east and south-east brings one to the frontier between the Soviet and British zones.

Investigations are known to have been continuing over the entire area, but so far they have proved fruitless.

--B.U.P. 18-9-46

London Daily Telegraph

18 Aug, 1946

of 100,000 Jews.

urns Invitation

NEW YORK TIMES.

Sept. 16—The Government's latest offer to political leaders in the London talks was rejected today by a spokesman in behalf of his Government on the Palestine Executive at a meeting with the High Commissioner, Sir Alan Cunningham.

Army Recruiting

Sept. 16 (UP)—The Government tonight notified the army to defend against Zionist terrorism. The Government said, "therefore our resources are insufficient to defend our-

Arab Higher Committee led a five-point protest against the British charge that the Government was "tolerating the Jewish Agency for its purposes." The Government demanded: "The resolution of the Jewish Agency for collective fines on Jewish houses where excesses occur. The death for terrorism."

Jewish Agency

collective fines on Jewish houses where excesses occur.

spokesman demanded: "The death for terrorism."

spokesman demanded: "The death for terrorism."

were said to hold an eighteen-mile stretch of the Lung-Hai railroad.

NANKING, China, Sept. 16 (UP)

—Communist Gen. Chou En-lai left Nanking tonight for Shanghai, ending hopes of a negotiated peace through United States Ambassador John Leighton Stuart's proposed five-man committee.

Wang Ping-nan, the Communist spokesman, said General Chou would remain in Shanghai until the Government agreed to discuss a basis for an immediate truce.

'MISSILE' IS A METEORITE

Swedish Physicist is Skeptical About Reports of Firing

Dr. Manne Siegbahn, 59-year-old Swedish nuclear physicist and Nobel Prize winner, who arrived here yesterday from Gostaborg, Sweden, on the Swedish American liner Drottningholm, expressed doubt about recent reports that rocket bombs had been fired over Sweden.

"There is no clear evidence that any guided missiles have been flying over Sweden," Dr. Siegbahn declared. "I, myself, examined one reported to be such a missile and found it was a meteorite. I am very suspicious about the existence of any such thing."

Dr. Siegbahn, who came to the United States to confer with American physicists, and as Swedish delegate to the forthcoming bi-centennial celebration of Princeton University, declared that "hysteria" might have been a factor in reports about the missiles.

Carl J. Hambro, Norwegian delegate to the General Assembly of the United Nations, also arrived on the ship.

ever, the precedent will have been set for Australia and other countries that hold Argentine credits.

The Argentine railway's rolling stock and equipment is admitted by everyone to be in very bad condition. If the Argentine Government and the British railway owners are now to be partners in operating the railroads, it may well be that some sterling will be used for replacements under a monopolistic contract.

British officials here denied flatly rumors that this was merely a "cover-up" agreement to mask the essential failure of the British mission. They say that publication of details of the accord tomorrow will show conclusively that this is not the case.

What the British public no doubt wants to know is how much more their Government is going to have to pay for meat, and how great have been the other concessions to Argentina.

Official British circles here say that concessions had to be made by both parties on all points, but they insist that the agreement reached is equitable and fair to both.

Dutch to Honor Mrs. Roosevelt

UTRECHT, Holland, Sept. 16 (UP)

—Utrecht University announced today an honorary degree for Mrs. Eleanor Roosevelt, recognizing her wartime services. J. Hoeckhe, president of the university, said Mrs. Roosevelt had accepted the degree but the date of conferral had not been fixed.

For men 17 to 28. The Regular Navy offers you financial independence after twenty years' service. Apply at your nearest Navy recruiting station today.

N.Y. Times 17 Sep 46 pg 8

WEATHER CONTROL BY SCIENCE IS SEEN

MARKING FORTY YEARS IN RADIO WORK Sarnoff Predicts Weather Control And Delivery of the Mail by Radio

Navy Forecaster, Governor Dewey, Mayor O'Dwyer and Gen. Bedell Smith, American Ambassador to Russia.

Earlier yesterday Mr. Sarnoff received the "Man of Science" award of Science Illustrated magazine in ceremonies at his office in the RCA Building. In accepting a scroll that described him as "a man of science who built an industry on his faith in science," he predicted that the accomplishments of science in the next forty years would dwarf what has happened since he started to work in 1904.

Officials of RCA presented to him the wireless key that he used as an operator on April 14, 1912, when the Titanic hit an iceberg and sank. At that time Mr. Sarnoff was on duty at John Wanamaker's and he remained at his key for three days, reporting the names of the 704 survivors as they came in.

Continued From Page 1

the beginning of radio's possibilities.

"We are still pioneering in the era of the radio age," he asserted.

Freedom for Science Urged
"In America," he continued, "radio has grown rapidly as a great public servant—not only because of freedom to speak and freedom of science to advance. Science must be free. We can permit no restrictions to be placed upon the scientist's right to question, to experiment and to think."

"Because America has held liberally above all else, distinguished men of science have come here to work and to seek new knowledge. The world has been a benefactor and science has moved forward."

"In war, science dares the impossible; it must continue to dare the impossible in peace if a fuller life is to permeate society."

Radio and electronics have reached the point of development where they can influence the course of war, Mr. Sarnoff said, citing the reported "ghost bombs" over Sweden and the flight of two planes flying Fortresses from well to California under radio control from a mother ship.

"It is frightening to recall," he continued, "that not a single V-2 rocket aimed at England during World War II was shot down." Mr. Sarnoff said of visiting Sweden recently and said he is convinced that the "ghost bombs" are myth but real missiles. He said found Europe making progress economically and physically, but not on the political front where there is instability and insecurity.

"I am of the belief," he added, "that no one wants war and that war is imminent. If we can get economics and politics into the kind of synchronization we make some progress on the domestic front and on the foreign front, too."

Peace Cited as an Avenue
Scientists, Mr. Sarnoff said, are presently men of peace, and under peace conditions they can turn their attention to the development of atomic power for industry and conquest of disease.

"We would then," he continued, "lose more of biological warfare cases that have plagued mankind for centuries, destroying men in greater numbers than war itself."

The warlike idea that warm currents could be shifted by once to turn fertile lands into deserts might be reversed in peace to modify or divert these currents to influence climate so that deserts would become gardens. On the aid of nuclear power, desert areas might be transformed into habitable and productive regions.

Control of the weather by man is a scientific possibility of the future, Brig. Gen. David Sarnoff, president of the Radio Corporation of America, said last night in a speech at a testimonial dinner in the Waldorf-Astoria Hotel commemorating his forty years of service to radio.

Other possibilities, General Sarnoff asserted, include delivery of mail by radio, portable communication sets that will enable one individual to communicate with another anywhere, transformation of deserts into gardens through diversion of ocean currents and nuclear energy, world-wide television and use of atomic energy to combat disease.

These developments, he said, are the alternative to devastation and destruction from atomic bombs and rocket-propagated disease germs if peace becomes the chosen course of man.

War, with the new weapons that

scientific ingenuity can devise, he declared, would bring an abrupt end to all progress. Discussing the matter with noted men of science at home and abroad, he asserted, he had shown scant hope that adequate defense can be provided against new weapons capable of mass destruction on a worldwide scale.

Besides General Sarnoff, speakers at the dinner included Owen D. Young, retired chairman of the Board of General Electric, and Dr. Karl T. Compton, president of Massachusetts Institute of Technology. Lieut. Gen. James G. Harbord, chairman of the RCA board, was toastmaster.

General Sarnoff, who started his career as an office boy in the New York headquarters of the Marconi Wireless Telegraph Company of America, told an audience of industrialists, educators and scientists that the world has seen only

Continued on Page 48, Column 3

Brig. Gen. David Sarnoff (left), who was honored at an anniversary dinner in the Waldorf-Astoria Hotel last night, talks with Bernard M. Baruch.

studies of the problem not only suggest this possibility but that experiments are actually underway that may lead to man's domination over the elements.

"For example, man may learn how to deflect air movements with consequent changes in weather and he may discover how to neutralize a storm or detour it from its course."

"Automatic radio weather stations in remote places in the polar regions, in deserts, in jungles and on the seas can collect and broadcast weather data. Already radar spots a hurricane, peers into its vortex, plots its movement and photographs it from minute to minute."

"Radio-controlled and electronically equipped rockets will permit exploration of the upper atmosphere. Within minutes new electronic computing devices can analyze such information on a global basis."

"We may yet have rain or sunshine by pressing radio buttons. When that day comes, we shall need a World Weather Bureau in which global forecasting and control will have to be vested. Here is a poster for the isolationist and a poem for the internationalist."

Essaying to look ahead for forty years, General Sarnoff warned that forecasting the developments of science is almost an impossible task. International broadcasting, "undreamed of forty years ago," carried the lesson that in science reality surpasses prophecy, he noted.

"The most difficult problems for

mankind," he declared, "are social and political rather than technical. Unfortunately in the social and political spheres imagination covers a rather small radius."

New Type of Man Fictured

"Many men will die their lives to solve a scientific problem; few will risk their comfort or security to solve a social or political problem. Therefore the most important problem of all is the selection of courageous, competent and wise leaders. That is where exercise of authority; it is for imagination, initiative, direction and guidance. People everywhere cry for such leadership, and it depends the future of democracy, the preservation of our freedom and the solidarity of people."

"But if opportunity is to be turned to good, this nation must be stable morally and physically, not only for its security but also for the accomplishment of its tasks—helping to rehabilitate a world suffering from the vicious grip of war."

Dr. Compton said that the electron is the most valuable tool ever invented. Though physically we are still very far from achieving the idea of "One World," the radio and other electronic devices have done much to bridge the world of thought and events and can provide a basic framework for making "One World" a reality, he asserted.

General Harbord read messages of congratulatory to Mr. Sarnoff from President Truman, Secretary of War Patterson and Secretary of the

LaParl, W.P.

Date October 1946

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SUNDAY EXPRESS
'Rocket' blasts windows
What is believed to have been a rocket fell near Miskolcz, Hungary, breaking all windows in a 300-yard radius, says Reuter. 6.10.46

11.10.46
SWEDISH REPORT ON "ROCKETS"
MANY WERE METEORS
From Our Own Correspondent.
STOCKHOLM, Thursday.
The Swedish Defence Staff, in a communiqué to-day, said that the majority of the "rocket-like projectiles" seen over Sweden between May 1 and Sept. 30 were ordinary sky phenomena.
"But," the communiqué added, "in some cases clear, unambiguous observations have been made which cannot be explained as natural phenomena, Swedish aircraft, or imagination on the part of the observer."
"Echo, radio and other equipment registered readings, but gave no clue as to the nature of the objects." Over 1,000 reports have been sifted. The communiqué says that "fragments" found turned out to be ordinary slag.

SWEDES SEE ROCKET
From Our Own Correspondent.
STOCKHOLM, Monday.
A rocket-bomb is again reported from South Sweden. Two persons heard a whizzing sound and saw an arrow-shaped object with what appeared to be short wings, which dived into a lake. After investigating similar reports occurring from May to September, the Swedish Defence Staff announced on Oct. 10 that the majority were due to ordinary sky phenomena 22.10.46

6 Aug

GERMANY

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**'Spookbombs' over
the British zone**

HERFORD Saturday.—More "spookbombs" have been reported by British troops in Germany this time over the Lingen-Meppen area of the Dutch frontier. Officers and other ranks reported seeing several missiles similar to flying bombs moving at great speed from east to west.—S.U.P. 29.7.46

LONDON SUNDAY EXPRESS

inc 1946

1946 SEP

BELGIUM

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**"BALL OF LIGHT"
AT OSTEND**

OSTEND, Thursday. -
Police here were to-day examining
the remains of a projectile, described
as a "ball of light," which fell out-
side a house last night.

The owner of the house, Mme.
Deman, said that about midnight she
saw a "ball of light" approaching
at "terrible speed." The object fell
in front of her house, giving off a
cloud of smoke. - Reuter, 27.9.46

LONDON DAILY TELEGRAPH 27 SEP 1946

NYT OCT 11 1946

P.3 172

Swedish Inquiry Fails To Solve Rocket Case

By The Associated Press.

STOCKHOLM, Oct. 10—Swedish military authorities said today that they had been unable to discover after four months of investigation the origin or nature of the ghost rockets that have been flying over Sweden since May.

A special communiqué declared that 80 per cent of 1,000 reports on the rockets could be attributed to "celestial phenomena," but that radar equipment had detected some objects "which cannot be the phenomena of nature or products of imagination, nor be referred to as Swedish airplanes."

The report added, however, that the objects were not the V-type bombs used by the Germans in the closing days of the war.

WP

OCT 11 1946

P. 2

Fri.

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Swedish Military Concludes 'Rockets' Were Celestial Bodies

Stockholm, Oct. 10 (U.P.).—The Swedish high command today broke a four month's silence on the mysterious "rockets" seen flashing over Sweden since last May and said they "probably" were just meteors or other celestial phenomena.

The defense staff communique said 1000 reports had been received on the phenomena, of which 80 per

cent were of light flashes "which very likely were of celestial origin" and the remainder concerned bodies of different shapes. The latter reports were "very vague and must be regarded sceptically," the communique said.

Investigators, who went to the scenes of alleged rocket crashes found only slag or clinkers not derived from any kind of skyrocket.

The phenomena were first sighted May 24 and continued throughout June, July and August. The Swedish press speculated that the Russians were testing German-made rockets and sending them over Sweden.

CALLING

By MARQUIS CHILDS.

Opinions expressed are those of the writer and not necessarily those of the publishers of this newspaper.

STOCKHOLM.—The most extraordinary phenomenon of post-war Europe is the report of flying bombs or rockets that are now beginning to come from widely separated areas. If they are real, then we have a small sample of what the next conflict will be like. If they are a mere illusion, then we have an example of the uneasy state of mind of the people who live on this troubled continent.

The rockets were first reported in numbers from Sweden, where you would assure that the cautious and even-tempered population, untouched by the direct tragedy of war, would not be subject to random nightmares. Next were vague reports of fire-bombs over Athens at the time of the visit of the aircraft carrier Franklin D. Roosevelt. More recently, rockets have been reported over Italian cities and the Italian government has ordered an investigation.

I have talked to many people here about the flying bombs. Some put the whole thing down to postwar hysteria. Others take a serious view of what they call, half in jest, "Russian hail."

One thoroughly reliable American observer with whom I talked saw flying bombs in broad daylight over this city. It was a cigar-shaped object which streaked across the sky with great speed and seemed on the point of shooting eastward. Careful Swedish observers have seen what they believed to be rockets.

Official opinion is that nothing is really known about the phenomenon, which has now more or less subsided. Recently, at any rate, very few reports of the bombs have been received. If the government has found any fragments, that fact is being kept a careful secret.

The soundest opinion seems to me to be this: The Russians on the island of Peenemunde, off the German coast in the Baltic, are probably experimenting with televised rockets. They must send them over a fairly long distance in order to make an

damage was done at Peenemunde. From other sources I have learned that the Russians took Peenemunde almost intact. They also captured a number of German scientists who were active in promoting guided missile and rocket research.

The U. S. got its share of these scientists, many of whom are now in America. But the Soviets also shared in this strange spoil of war and their captured scientists are now said to be working for them. These experts may be teaching the Russians what they know and that may be the explanation for the mysterious fireworks.

Psychologists do not, of course, discount the remarkable suggestibility of the human mind in periods of great stress. Before the rise of Nazism with its sinister accompaniment of mass hypnosis, we liked to think we were living in an age of reason and could not be touched by spells and hysteria that formerly swept whole populations. In the year 1000, large numbers of Europeans became convinced that the world was ending and strange forms of mass hysteria occurred throughout the continent.

Perhaps the "Russian hail" was only a stray meteor or two magnified by tragic fears that feed on the mysteries of science. How many years must pass before we can hope to see the peoples of the world back to anything like normal?

RUSSIANS OBSERVE UNUSUAL METEORITE

London, Nov. 20. — (AP) — The Moscow radio reported Wednesday that a meteor which resembled "a white-hot flying cannon ball" was sighted Nov. 12 by the Lenin-grad Arctic Institute's polar station at Providence bay, at the northeast tip of Siberia across Bering strait from Alaska. 1946

"The meteor was observed for twenty-two seconds at a height of twenty to twenty-five degrees from the horizon," the report said. "Its trajectory was almost a straight line. It produced the impression

METEOR SHAKES CALIFORNIANS

LOS ANGELES, Jan. 7. (AP) — A fiery ball, giving off weird flashes of light, roared over Southern California last night and out to sea. It was visible from San Diego to Bakersfield—nearly 200 miles apart.

Although two separate searches were made for crashed planes, it was agreed today that the object was a meteor, and Dr. Clarence H. Clemenshaw of Griffith observatory said it apparently was "exceptionally large." No missing planes were reported.

Off Oceanside, Coast Guard craft put out to check a report that a plane had plunged into the ocean. Lifeguards at Santa Monica, 75 miles north, likewise sent out a crash boat. Sheriff's deputies at Malibu said they saw what appeared to be three flashes giving off a ghostly light after the ball passed, and theorized that it might have been breaking up.

Transport pilots over Bakersfield and Burbank reported the object flashed by at tremendous speed. Telephone switchboards in many cities were jammed as watchers called police and newspapers.

METEORS FLASH ACROSS SKIES

No Explanation By Astronomers. 4-B

(By United Press)

Meteors which flashed across mid-western skies during the past 24 hours kept police departments, airport officials and astronomers busy answering questions of frenzied witnesses, but left them all without explanation for the aerial displays.

From Tulsa, Okla., east of Des Moines, Iowa, reports of "balls

23 Jan '46 (3) Wednesday

Spooks?

A fiery warning or divine manifestation was visited upon persons living in the neighborhood of Draper Street, Central Parkway and the Western Hills Viaduct last night.

The phenomenon was described variously as a streak of fire, a ball of fire or a big flashlight going on and off. The visitation struck terror into the hearts of some for electric lights became dim for a moment and houses quivered as if in the grip of an earthquake.

Denial that any weather phenomenon had occurred was issued by the Weather Bureau. Police and the Highway Safety Bureau denied that any accident or explosion had occurred near the Parkway.

JAN. 7, 1947

Mystery 'Fire Ball' Stirs Baltimore

BALTIMORE, Aug. 17. — (AP) — For the third time in a week, a mysterious "ball of fire" suspended from a parachute fell on Baltimore yesterday. Chief Thomas Magerty of the fire department arson squad reported.

Magerty said the third "ball of fire" fell into the harbor near a paint plant, and witnesses said it burned furiously for several minutes as it floated on the water.

Persons who saw the flare said "it looked like a magnesium bomb—the kind that was dropped on London." The first two flares were dropped in the East Brooklyn section of the city last Sunday and Monday nights.

It is not known where the flares came from, Magerty said.

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AUG 17, 1946

LONDON DAILY TELEGRAPH 22 OCT 1946

SWEDISH SEE ROCKET
 From Our Own Correspondent
 STOCKHOLM, Monday.
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SWENEN

46 OCT

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"The meteor was observed for twenty-two seconds at a height of twenty to twenty-five degrees from the horizon," the report said. "Its trajectory was almost a straight line. It produced the impression of a white-hot flying cannon ball. Its velocity was relatively low, far below that of falling stars. The meteor was of a reddish-violet color and its huge tail was light blue."

The radio description, particularly as to velocity, coincided to some degree with that of meteor-like objects sighted above Scandinavian countries in recent months.

LaParl, W.P.

Date *December 194*

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16.12.46

'FIERY MISSILE' SEEN

From Our Own Correspondent
LISBON, Sunday.

What is described as a "fiery projectile with a tail" is reported to have been seen last evening over Lisbon at an immense height, travelling from north-east to south-west.

DAILY TELEGRAPH. 16.12.46

DP

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P. 7

176

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~~DAILY TELEGRAPH~~ 16.12.46

NYT

MARCH 22 1947

P 8

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'Phantom Bomb' Returns To Skies Over Sweden

Special to THE NEW YORK TIMES.

STOCKHOLM, Sweden, March 21—Another of the "phantom bombs" that were seen frequently over Sweden last fall was observed today over the southern part of the country by several persons. At first they thought it an airplane, but looking more intently they noticed that smoke was coming from the tail and that its shape differed from that of a plane.

The projectile was flying from east to west at a considerable height. The witnesses described it as a cigar-shaped metallic body, approximately sixty feet long, traveling at slow speed and making no noise.

The "bomb" was visible for a considerable time and smoke was observed long after the projectile disappeared. Judging from the smoke, the missile turned at a certain point and flew back eastward.
