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Unidentified Aerial Phenomena in the UK Air Defence Region: Volume 3

Miscellaneous Related Studies

SCIENTIFIC & TECHNICAL MEMORANDUM - No. 55/2/00

DEFENCE INTELLIGENCE STAFF

December 2000 Defence Intelligence Analysis Staff

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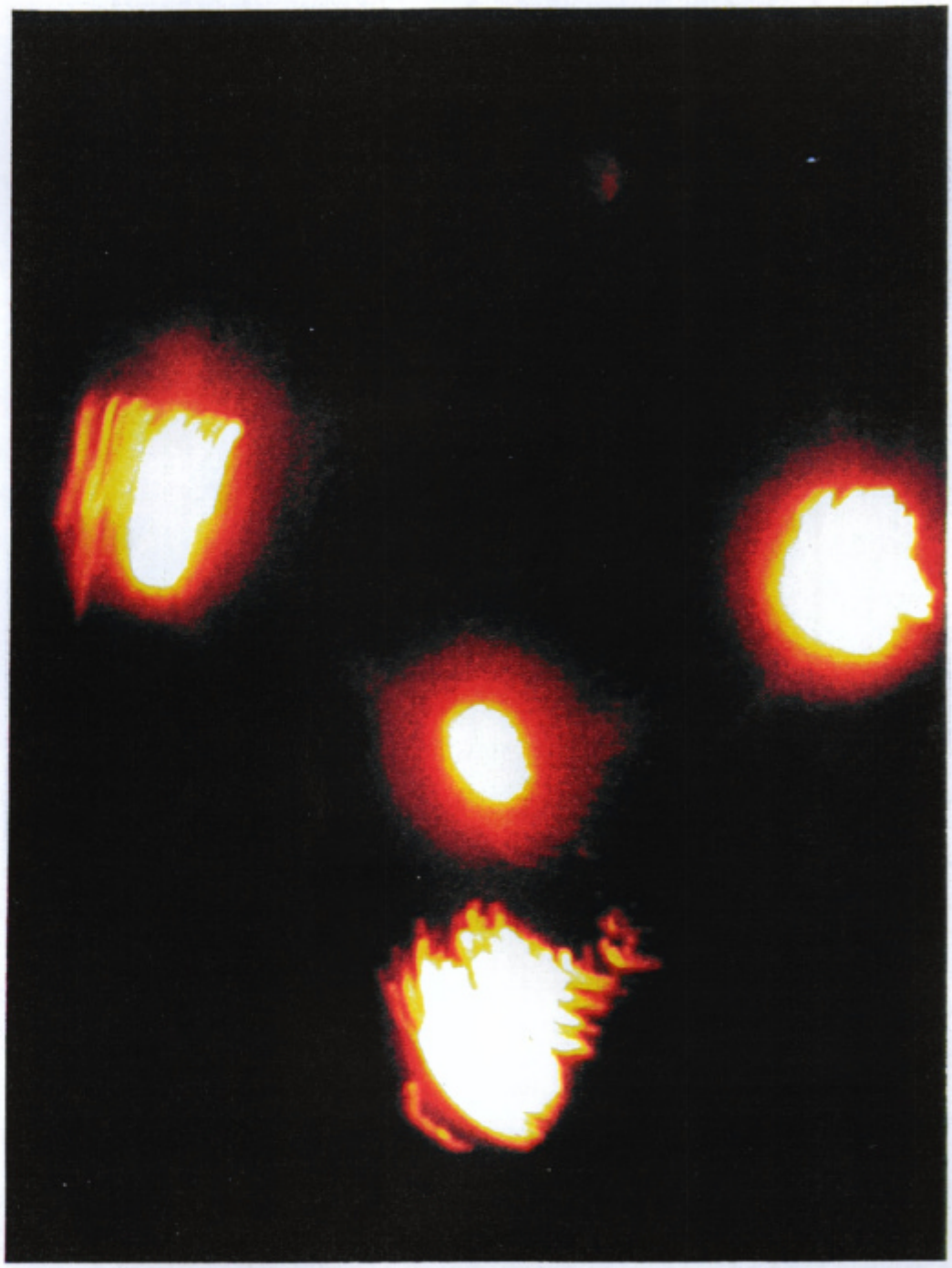

AN EXAMPLE UAP FORMATION OF THE TRIANGULAR TYPE

SCIENTIFIC & TECHNICAL MEMORANDUM 55/2/00

PREFACE

This is the third volume of a three-part report on the information held in DI55 on the subject of UAP. The material researched in this Volume is classified overall SECRET, only because it contains performance values of the UKADR radars Radar performance is directly relevant to whether unidentified aerial objects can enter and leave UK airspace and whether they constitute a threat. [redacted] S.26

In correlating certain other material in recent years and out of earlier DI55 interest in any reliable information connected with this topic and focusing upon the potential technologies involved and their possible future military uses, this Volume is also a convenient place-holder for several other related findings.(R)

Comments on this document, which has been produced by [redacted] are welcomed and should be addressed to MoD, DI(ST), DI55[redacted], Room [redacted], Old War Office Building, Whitehall, London SW1A 2EU. Tel [redacted] (R) S.40 not relevant

February 2000

Issued by [redacted] DI55

UNIDENTIFIED AERIAL PHENOMENA IN THE UK AIR DEFENCE REGION

VOLUME 3

MISCELLANEOUS RELATED STUDIES

EXECUTIVE SUMMARY

1. This volume primarily deals with sensitive matters associated with the UAP study which could not be placed in the RESTRICTED Executive Summary. Much of the work reported in this third volume is an inevitable by-product of the main TORs. The main topics here are:

- **The potential `collision' threat**, posed by UAP events to aircraft flying in the UKADR
- [redacted] S.26
- Whether anything in the context of **potential current or future military interest** can be learned from an understanding of the phenomena. **(C)**

Collision Risk

2. Well over one hundred **unexplained RAF aircraft fatal accident reports** (covering the last 30 years), have been examined. Study findings, in the context of the sudden appearance of a UAP, causing a possible startling aircrew response when flying fast and low are:

- **The possibility of a collision with a `solid' object can almost certainly be discounted** [as shown in Volumes 1 & 2], as it is probable that the phenomena (mis-reporting of other objects excepted) is most likely formed by one of several atmospheric conditions, leading to the formation of plasmas.

- The **possibility of encountering a `UAP' suddenly at low altitude cannot be totally ignored, but the probability of doing so** (based on the current database information) **must be extremely low** and very much lower than the probability of a serious bird-strike.

- If a UAP is encountered suddenly, when flying fast and low, it could be postulated that a sudden and irrecoverable crew control input might result in a surface impact accident. **However, despite the fact that there are hundreds of reports of low altitude UAP activity, there is no firm evidence in the available reports that a RAF crew has ever encountered or evaded a low altitude UAP event. (C)**

3. Higher altitude events appear to occur mainly up to 20,000ft and have only been reported by civilian aircrew. Radially closing UAP events have been so fleeting that no evasive action could be taken in the time available and no damage, other than a fright to the crew has occurred. In particular, **there is evidence that civil airline crews are seeing far more than they are reporting for fear of ridicule or the potential effect on company business.** The airline crews seem to take the line that whatever they are seeing is apparently benign. Air traffic control is often informed and sometimes minor re-routing occurs. **(U)**

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4. [redacted] S.26

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5. XXXXXXXXXXXXXXXXXXX It is believed that the majority of UAP targets are inherently variable in size, in radar terms. An analysis of the facts (reported at Volume 1) suggest that the majority, if not all, of the hitherto unexplained reports may well be due to atmospheric gaseous electrically charged buoyant plasmas.(S)

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Foreign Military Interest

9. Although the Study TOR's specify a UK focus, based on the reports held, UAPs are by no means confined to UK airspace. Other NATO nations, China, Russia and elsewhere frequently report the most extreme and puzzling incidents in the open press. DI55 does not have access to any other Government's classified reports, as there is no formal intelligence exchange on this topic. However, XXXXXXXXXXXXXXXXXXXXXX are known to have at least one member of staff active in this area. Similarly, at least two scientists are active in XXXXXXXXXXXXXXXXXX. Many other XXXX scientists have published papers on closely related subjects and the conclusions from studying these are of importance to the UK findings.(S)

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10. Many other XXXX scientists have published papers on closely related subjects and the conclusions from studying these are of importance to the UK findings. Several governments have also been sufficiently concerned to set up Commissions and Institutes to examine the phenomena. A brief examination of some of the open-press information and

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scientific papers of topics (such as plasmas) when associated with reported UAP characteristics has shown that:

- Russian, Former Soviet Republics and Chinese authorities have made a co-ordinated effort to understand the UAP topic. Several aircraft have been destroyed and at least four pilots have been killed 'chasing UFOs'. The importance of the topic has resulted in appointment of astronauts and senior pilots, as well as senior scientists to carry out investigations.

- Russian investigators have measured (or at least detected) 'fields', which are reported to have caused human effects when they are located close to the phenomena. **(U)**

11. [redacted] S.27

12. [redacted] S.26

Strategic Threats

13. Although postulated in some quarters that the frequency and location of UAP events might be higher in the vicinity of important national assets and strategic military establishments, **there is no evidence that this is the case for any reason other than a combination of the propensity of charged buoyant bodies to be atracted to mainly isolated assets, coupled with the presence of alert personnel at these sites . However, there appear to be good scientific reasons why higher numbers of UAP events occur (see also report Volumes 1 & 2). For example, they often occur where there are isolated electrically charged objects present, such as certain industrial and military buildings, power lines or cars in open countryside, or aircraft. (R)**

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