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EXPLOITMENT AND ASSESSED

CO BANCHING, METAL, RECOVERED IN THE MENDELS OF THE COMO, SELECT CONTROL OF THE COMO.

SELECT CALLEY SELECTED TO BE AN ENLISHMENTED FROM CONTROL OF THE COMO.

12N-25500 =-

SICTION I. - (C) Firepre (U

The exploitation of a metalin further react in a present the results of the exploitation of a metalin further react. The covery was the result of a ground-level search which was conclude after an unidentified flying object explosed and fell to earth in the area. The sighting and recovery took place sometime between 10 and 15 October 1965. Coher than a reported east-to-west direction of flight for the UTO, appecific observation and recovery details are lacking.

SECTION II. (C) Description (1)

of importance unknown. However, the apparers of the fragment indiented exposure to high temperatures prior linked (article endiction and the specime had little or no elicated to little condition of apparers. The fragment weight of its 1.73 x 1.0 index. The cop
of approximately iron and measured 1.73 x 1.73 x 1.0 index. The cop
and side views of the specimen were funded and appeared to have
them shaped by bearing and malating This is illustrated in Figure 1
and 2. The total groove, which is figure 1, is the outline of
an insert of shaft that differs excelled from the root of the
are insert of shaft that differs excelled from the root of the
are insert of shaft that differs excelled from the root of the

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CO.

g the major and of the frament

- (C) The fragment was originally promoted an component and could be identified as a manufacture, generator or associated electrical regula The side of device.
- 4. (C) The fragment was paretriated . 10-inch thick silicon Eliferation (Africanos, a graphy artistic from the fill and the fill a The steel laminate stacked on a contral sold steel core or shaft.
 - 5. (C) Macerials, processes, disensions, etc., as such, prevent Tecernization of exect origin (country).
- 6. (C) Surface appearance and microstructure of the specimen indicates exposure to temperatures in excess of 2550° Y.
- density closely approximate a factor of the competitions of the competitions of the competitions and the competitions of the c errese of 2510 %. While there ere no indirections of importable to flowed metal, as shown in Figures 4 and 7, would substantiate the conclusion that the frem was moving at a big velocity when it was bot.

 2. (C) Fabrication of the frem was additional utilizing more of
 - For less standard procedures for febricating electric motor armatures. Armsture laminates were stamped (punched) from approximately 1012-inch 3011. The Control of the Co heer steel, copparplaced, and assembled on a mild steel shate with him Approximately .405 inches in diameter. Tolinging assembly, the were joined by solid-visio or illimion-bonding of the

placing. This can be accomplished by tightly compecting the laminate assembly and heating in a furnance. Temperature required for bonding of the copper depends upon the degree compact on or pressure; the higher pressures requiring proportion tely laws temperatures, where

(C) A cross-section (tristance to length of the specimen)
is shown in Figure 5. The light-colored, the same the edges
of individual laminates, caused by conting a light-hample to, instead
of parallel to, the laminates has the first fine or petals
are "I" shaped. This shape is used to be a milition of some of the
"I's" is indicative of the high heating conditions experienced. The
outer surface of the armature shaft is serreted to prevent exist.

is clearly illustrated in Figure 5. The speciment landauer on the fin at the top of the photograph is due to be trivial and clearly of the copyerplacing during the high important formers of the speciment. Some of the copyer to been seen and the state of the speciment of the photograph. Seen seen and the state of the copyer to been seen and the state of the second of the photograph.

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AUTH Para 1-603 DOD 5200 IR

intense heat and then cooled at a comparatively slow rate.

ar to the second of the second 7 12. (C) The light material between the orthogona in Figure is placed copper that policed and flowed between the laminations when the entire specimen was hot. A photomicroft of this is shown in Figure 11.

13. (C) Analysis of the dark disclusion to following:

Element Celebrate Celebrate Celebrate Control Celebrate Control Celebrate Control Celebrate Cerbon Control Celebrate Cerbon Celebrate Celebrate Celebrate Cerbon Celebrate Celebrate

Carbon and

Kolybeans less than 0.01

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Yulphana .

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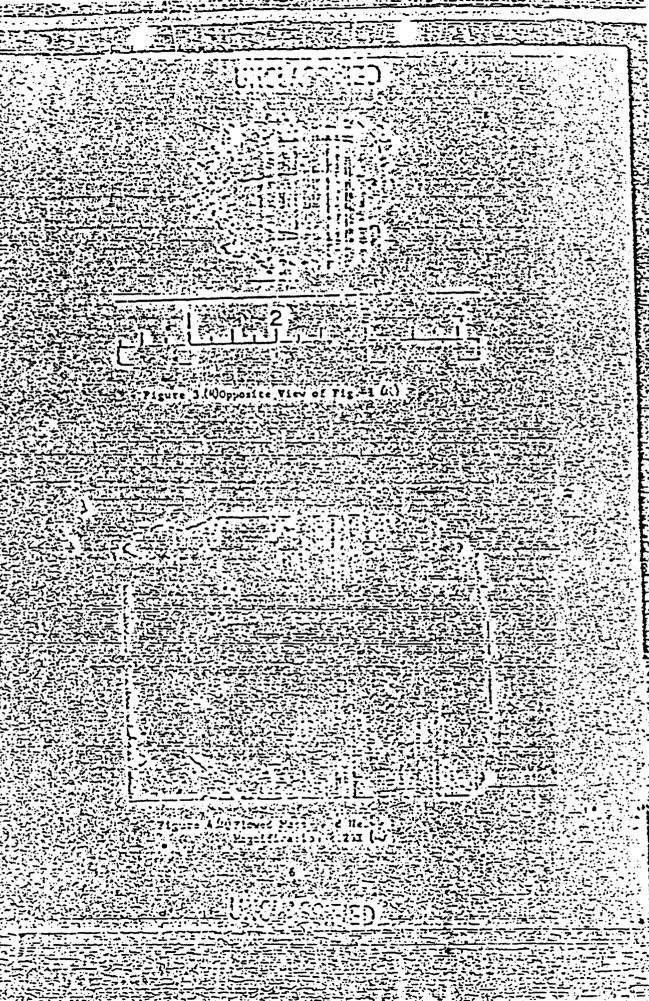
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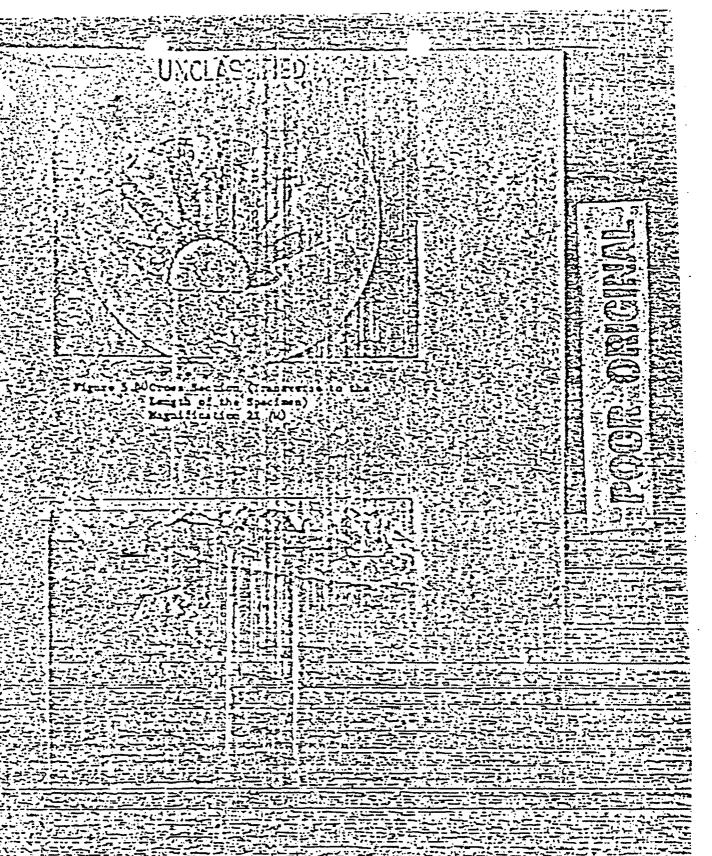
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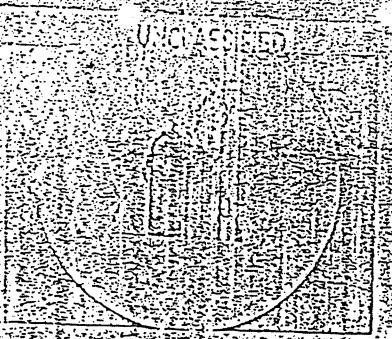
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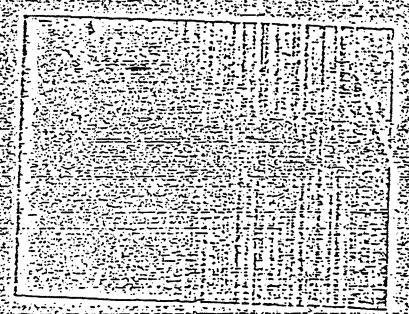






Pigare 7. Whereagraph Cross-Section of the Lealmand Area

Magnification 2.75% 60 cm - ===



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Figure 9 (ANY = come to the first to the fir

-pre L. Cherman

