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| 7 | SUBJECT Explosion of Netallic Format DAIL DISTR. 4, KAY 66 |
| D . 1 | EXPLOITATION OF PETALLIC FRIGIENT NO. PAGES 1 |
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| | SOURCE: |
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| 9 " | On file in CIA Library is an exploitation report on a metallic frament approximately 2"x2"x1", recovered near Kerekene, Republic |
| 1. 1. 1. | of the Congo. The frament was recovered by ground search after a WO fell to earth in the area. The report concludes that the |
| 7 | fragment was eriginally part of an electrical component and was constructed of 0.010-inch thick silicon-steel laminate. |
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| | ારા કોલા કરાયા કરો અને કોલાઇને કિલ્લિક કરિયા કરે કરાયા હતું કે જો છે. તે કોલી કોલાઇને કરીયા કરીયો કરો છે. કરી તાલાઇના કોલાઇને કોલાઇને કે ઉત્તર કરીયા કરોયો છે. જે હતા હતું કોલાઇને કરીયા કરીયા કરીયા કરીયા છે. તે કોલાઇને કો |
| | ાં કરો કરા કરેલ લાક કરાવેલી તેમાં જેવામાં લેસ હતો છે. તેમાં કરી કરી કરાવા કરવા છે. તેમાં માટે કરી લોકો કરી કરી તે કોઈ કરાવા કરો કરી સામાર્થિક માટે જોઈ જો કરી કરી કરી કરી માટે જો સામાર્થિક માટે કરી જેવા છે. તેમાં જો કરી કર |
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| ا (النظر | |
| | ાં કરવામાં આવેલા કરેલા કે બાલ કરવામાં અને કર્યા છે. જે તેને માને કરી કરી તેને જો હતા કરી છે. તેને જો માને જો આ આ માને કરી તે માને જો તે કરી તે કરી કરી કરી માને કરી તે તેને કે માને જો માને કરી હતા કરી કરી છે. આ માને જો પ્ર |
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| | ત્રા કરવામાં આવેલા કરવામાં તેને જાણા કરે કરી તેને કરાવામાં આવેલા કરવામાં મુખ્ય કરવામાં આવેલા કરવામાં આવેલા કર્ આ કે કરી તે કે |
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Exercise I. (C) Picture (U)

1. (C) The purpose of this report is a leasest the results of
the explaination of a metalic fraction space. The town of
Exercises in the Republic of the latter fraction is necessary was the following the ground-level search which was contact after an

unidentified flying object explored and foll to earth in the area. The
sighting and-recovery took place sometime between 10 and 15 Catober 1945.

Other than a reported east-to-west direction of flight for the UTO.

specific charvation and recovery details are lacking.

Stories than a reported east-to-west direction of flight for the BTO, specific characterion and recovery details are lacking.

SECTION II. (C) Description (C)

- excess of 25.3 7. While there are no infirations of impet, the flowed metal, as shown in Figures 4 and 7, would substantiate the flowed metal, as shown in Figures 4 and 7, would substantiate the flow was moving at a big, volucity when it was bot.

 2. (C) Indication of the law was according william more or less standard procedures for fabricating electric motor armatures.

 Armature laminates were stamped (punched) from approximately .012-inch sheet steel, copperplaced, and assembled on a mild areal sheit approximately .415 lamins in dismater. Toll wing assembly, the lamin as were joined by solid-sizes or life size-banding of the copper

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placing. This can be accomplished by sightly compacting the landgage assembly and heating in a furnance. Temperature required for bondies of the copper depends upon the degree compact on or pressure; the higher pressures requiring proportion tely laws an expensives.

(C) A cross-section (trium the to segment of the specimen)
is shown in Figure 5. The light-polars, the light section of the office of individual laminates, dauged by e. give a failed sequence of parallel to, the laminates. The fact of the first section of sequence and is found on high livi motors. The melied condition of some of the "I's" is indicative of the high heating concilions experienced. The outer surface of the armsture shaft is serrected to prevent axial suppage of the laminates.

10. (C) The lamination or stacting of fair for laminates is clearly illustrated in Figure 5. The specimen laminates on the fin at the top of the photograph is due - he melain and ilertage of the copperating during the high imper class powers of the laminates as specimen. Some of the copperations have related to the fine of the specimen. Some of the copperations have been related to the fine of the state of the specimen of the photograph. A second of the photograph.

size of the sized laminers microsirement. The microsire of the laminer size of the sized laminers microsirement. The microsire or of the laminer show in Figure 1 and 16 dilliminary grain sizes that are comparated to decempe 2 of an in-

ange grafe aler bedinnen bereitet bereitet und

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intense hear and then cooled at a corporatively slow rate.

12. (C) The light whiterial between the orinations in Figure 9 is placed copper that melted and flowed between the laminations when the entire specimen was hot. A photomicropy had this is shown

Element Percent Calchel

Carbon Manganese

Silicon

Silicon

Silicon

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C. romium 0.87 Nolybdamm 1 less than 8.01

14. (C) Chemical composition of the steel leminations was as

lezeni Persont Prasent Gelebe)

Silicon (13)

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