

PROJECT 10073 RECORD CARD

1. DATE August 1954	2. LOCATION Lafayette, Indiana		12. CONCLUSIONS <input type="checkbox"/> Was Balloon <input type="checkbox"/> Probably Balloon <input type="checkbox"/> Possibly Balloon <input type="checkbox"/> Was Aircraft <input type="checkbox"/> Probably Aircraft <input type="checkbox"/> Possibly Aircraft <input type="checkbox"/> Was Astronomical <input type="checkbox"/> Probably Astronomical <input type="checkbox"/> Possibly Astronomical <input type="checkbox"/> Other _____ <input type="checkbox"/> Insufficient Data for Evaluation <input type="checkbox"/> Unknown
3. DATE-TIME GROUP Local _____ GMT Not Given	4. TYPE OF OBSERVATION <input checked="" type="checkbox"/> Ground-Visual <input type="checkbox"/> Ground-Radar <input type="checkbox"/> Air-Visual <input type="checkbox"/> Air-Intercept Radar		
5. PHOTOS <input checked="" type="checkbox"/> Yes PHYSICAL SPECIMEN <input type="checkbox"/> No	6. SOURCE CIVILIAN		
7. LENGTH OF OBSERVATION N/A	8. NUMBER OF OBJECTS 1	9. COURSE	
10. BRIEF SUMMARY OF SIGHTING Object 3½" high by 4" long by 2½" wide. Object composed of small pieces of metal fused together. (Submitted by Leonard H Stringfield) See: Specimen 7-3745-432			11. COMMENTS Both the common appearance and the analysis of these samples strongly suggest that they have come from the bin of either a steel mill or steel foundry where chromium in this form is customarily added to steel melts.

ROUTING	COORDINATION
	AFOIN-4
	AFOIN-4X2b
	AFOIN-4X2c
	AFOIN-4X3
	AFOIN-4X4
	AFOIN-4A
	AFOIN-4B
AFOIN-4C	
AFOIN-4D	
AFOIN-4E	
AFOIN-4F	
OTHERS	

15 NOV 1956

Mr. [REDACTED]
[REDACTED]
Cincinnati 27, Ohio

Dear Mr. [REDACTED]:

The material which you submitted to M/Sgt Hill on 12 October 1956 for study and analysis is returned herewith.

A thorough, critical analysis naturally required a certain amount of small destruction of the metal fragments, and some dissipation of the thread-like material.

The results of an analysis of this material which, indirectly or by implication, you purport to be of some extra terrestrial origin or, as in the case of the so-called "angel's-hair" produced from a UFO, is summarized as follows:

- a. All material submitted is "man-made" or "man-fabricated."
- b. Samples were examined microscopically, chemically and spectrographically.
- c. Metal Samples:

All four samples were found to be ferro-chromium and magnetic and not radioactive. The composition obtained for these samples was

Chromium	67 - 71	percent
Silicon	0.1 - 1.0	percent
Ni, Co, & Mn	0.2	percent
Mg, Ca, & Al	0.5	percent
Iron		Balance

The crystalline structure and non-oxidized condition of these samples points directly to the fact that a high-temperature such as would be encountered by one of meteoric origin has not been imposed. Both the common appearance and the analysis of these samples strongly suggest that they have come from the bin of either a steel mill or steel foundry where chromium in this form is customarily added to steel melts.

NOV 12 15 57 28

PERM	
TEMP	
90 DAYS	
INITIAL	

ROUTING COORDINATION

FILE CLASS: _____
OFFICIAL FILE COPY

4E4/Capt G.T. Gregory/
ltc/69216

OFFICE OF RECORD

d. Textile Sample:

The sample purported to be so-called "angel's-hair," reportedly a volatile by-product of the fuel in "flying saucers," was given both chemical and microscopic tests and is, without doubt, ammonium rayon, which is more commonly called "Bemberg Rayon" in the United States. This material, after exposure to air for 72 hours in the Materials Branch, did not volatilize.

This is the type of industrial or waste product "lint" that may be ejected into the atmosphere by certain manufacturers of textiles, in this case, rayon. Incidentally, there appears to be no basis whatsoever for the assumption that the material was other than the industrial waste product described.

The act which you refer to, of carrying nine pounds of metal a distance of one and one-half miles for deposit in a gravel pit, must be placed in the category of "hoax perpetration." Air Force files contain a number of such examples, and represent deliberate attempts to manufacture evidence and, as such, result collectively in a deplorable waste of Government time, money and effort.

Sincerely,

T. J. CONNAIR, JR.
MAJOR, USAF,
Adjutant

1 Incl
Metal & Textile Samples

12 NOV 28 10 13

PERM	
TEMP	
90 DAYS	
INITIAL	

LAFAYETTE, INDIANA

Aug 54

CASE INCLUDES PHYSICAL

SPECIMEN IN SEPARATE

FOLDER

ARTIFACT # 341-1-465

ARTIFACT ROOM

1975

C.R.I.F.O.

Civilian Research, Interplanetary Flying Objects

October 14, 1956

[REDACTED]
Cincinnati 27, Ohio

Captain G. T. Gregory
A.T.I.C
Wright-Patterson AFB
Dayton, Ohio

Dear Captain Gregory,

I certainly enjoyed talking with M/Sgt. Oliver Hill during his visit to my home, October 12th. He was indeed patient, understanding and courteous. I regret that business pressures (at the DuBois Co, Inc) didn't allow me more time to show him the endless material re: UFO's, which I have on file, but perhaps this opportunity will present itself at a later date.

Discussed only briefly my collection of notes, etc., re: "little men" which I prefer to call "gnomen" --for the little creatures certainly do not appear humanoid. When M/Sgt. Hill was here I could not locate the drawings I made of the gnomen, but have since found them and will have photostats made Monday to enclose with this letter. If the drawings are of interest, I will gladly furnish all the details gathered during my interviews with the witnesses. I have made copious notes.

Of interest to M/Sgt. Hill was the metal specimens I had. I promised him that I would forward the pertinent information by letter concerning the unknown metal. Excuse the jumbled notes that follow for I am copying excerpts from numerous letters which describe the history and preliminary analysis of the metal.

I first learned of the metal's discovery by phone. The caller was [REDACTED], Roseville, Michigan. Following the call, [REDACTED] sent me a letter, from which I quote in part: "First, the object was found in an old gravel pit that had been abandoned some thirty years ago. The nearest man-made machinery was some 1500 yards away. The object was noticed because of its brilliance against the normal background of the gravel pit."

Date of [REDACTED]'s letter from which I am quoting is April 2, 1955. Thus, eight months prior to the above date is August, 1954. Location of find: near Lafayette, Indiana --NOT CINCINNATI, as I later noticed that Sgt. Hill had entered on his receipt for metal. I will continue to quote from [REDACTED]'s letter:

"This object is $3\frac{1}{2}$ " high by 4" long by $2\frac{1}{2}$ " wide--these are rough figures because of the shape of the object. The object seems to be composed of small pieces of metal fused together by some unknown process, yet it is (not) possible (to) disfuse small pieces by hitting it with a hammer using great force. We could not gain any progress by using a hack saw. The object was checked by a Grand Rapids Geologist, [REDACTED], who teaches geology in the public schools. Also, Mr. [REDACTED], [REDACTED] and Rapids Museum, stated that he had never seen anything similar in his experience and that it was not a meteor."

The following are quotations from Mr. ██████████'s letter of April 13, 1955. "So far, two metallurgists have samples (of metal) and preliminary tests have them somewhat baffled. One stated that he was leary of using his diamond cutting tool, worth \$50. ---Recently, I made an appointment with Mr. ██████████ of Radioactive Products, Inc., here in Detroit. They gave the metal a radioactive test which proved negative. A voltage meter showed a high conductivity; then, a density check registered 7 --considered high. One of their metal experts was sure it was marcasite, a form of pure iron. Further checks ruled this out....I was able to break off some larger pieces and if needed will mail one to you....Took a small piece to welding shop. With a No 6 welding tip, it heated red to white hot, didn't melt and didn't change its shape--just turned dark."

With the numerous samples of the metal on hand, I (██████████) took them to the University of Cincinnati. What followed is described in my letter to Mr. ██████████, dated April 14, 1955. "It was just last evening that I got the final analysis on the metallic objects. Dr. ██████████ of Un. of Cincinnati phoned me and explained the results found under spectroscope. Without making a thorough quantitative study--which would require a larger chunk, they said they found the following elements:

"50 to 85 % of chromium
a high percentage of iron
manganese
nickel-cobalt
vanadium

"Dr. ██████████ said that the object could safely be called a 'solidified chromium ingot' which showed by its fusion with other metals to be man-made. However, he was at a loss to explain how or why it was found in a gravel pit which could not produce such a specimen in a natural state. Nothing like such exists in a natural state, he said....My first interviews centered in the Geology building at the university. There, I discussed the metals with four geologists, but they seemed baffled by its extreme crystallinity. They tested with Geiger Counter but it registered very little. At this point they made a comparison test with other metals on hand. Most others showed a higher point of radioactivity. All doctors ruled out the meteoritic explanation and showed me samples of nickel-iron meteorites. In the metallurgy dept, examination showed that the objects were subjected to extreme heat, but said the object cooled slowly--thus causing the high degree of crystallinity...."

The following is a quotation from Mr. ██████████'s letter of May 16, 1955: "This evening, my mother-in-law, Mrs. ██████████, called me from Grand Rapids to state that she has made a complete search of the gravel pit where the metal was found and that she could not find a trace of any identical metal, or any metal at all. She says that it would be foolish for anyone to carry that original nine pound piece for a mile and a half just to drop it in the pit. She says the nearest road is 1½ miles...."

Following is quotation from Mr. [redacted] letter of August 23, 1955:
"...You will be receiving requests for Orbit from several individuals who work for Lear, Inc as they are most interested in the subject of UFO's. [redacted] and [redacted], safety engineers, gave the metal to their lab man for a report. I am enclosing said report showing 72.8 % chromium. After the analyst, [redacted] gave this report, he was shown your letter of April 14th, 1955, giving the report by Dr. [redacted] --and was somewhat shocked to learn that other metals were once contained in the metal that he analysed. Mr. [redacted] will now subscribe to Orbit, and the metal will be shown to Mr. [redacted] when he arrives from California..."

So rests the case of the unknown metal from an abandoned gravel pit near Lafayette, Indiana.

Still another type of black metal or rock has come into my possession from Erie, Pa. It was found in the middle of a road at 12:45 am, August 11, 1956. It was too hot to handle. I now have fragments under analysis.

I hope that the so-called "angel hair" you have will prove to be something more than cobweb. Since talking with M/Sgt. Hill I have learned that more of the "stuff" was found against neighboring screendoors, but has since been lost.

Sin
[redacted signature]

~~Mr. [redacted] 3/10~~
~~[redacted]~~
gravel pit near Lafayette La

From ~~[redacted]~~

Raville, Mich

obj found in gravel pit
clearly seen by pers. pier
noticed cause of brilliance
against normal background
of gravel pit.

Date - 8 months prior to this of

2 Apr. 55 = Aug 54

AFOIN-4E4

COMMENT NR. 1

22 Oct 1956

The attached trip report is forwarded for necessary coordination and approval.

GEORGE T. GREGORY
Captain, USAF

~~CONFIDENTIAL~~
UNCLASSIFIED

~~CONFIDENTIAL~~

*Trip report
file*

C. DISCUSSION (Cont):

10. Names of individuals visited:

- a. Mr. [REDACTED]
- b. Mrs. [REDACTED]

11. Investigator's personal report:

a. Departed Wright-Patterson AF Base, 0600 hours, 12 October 1956 enroute to Cincinnati, Ohio. Arrived Cincinnati, Ohio 0800 hours. The interview with Mr. [REDACTED] was deliberately delayed for investigative purposes.

b. Mr. [REDACTED] lives in the suburbs of Cincinnati, in what is known as Madisonville. This suburb is approximately 21 miles from the downtown area of Cincinnati. I arrived at Mr. [REDACTED]'s home, [REDACTED], at 1410 hours. Mr. [REDACTED] was somewhat perturbed at the delay of my arrival. This was exactly the way this investigation was planned.

c. A note of explanation is necessary here. Mr. [REDACTED] allegedly held in his possession a substance called "Angel's-hair" which proponents of flying saucers claim is the exhaust trail from the cosmic-ray power plants of interplanetary space ships. This substance solidifies upon contact with the earth's atmosphere, then (supposedly) abruptly vanishes within a few hours, leaving no trace or residue. To insure that no substance would be given this investigator, which could be chemically treated or prepared to dissolve after the specimen was given him, a late arrival at destination was purposely arranged. Thus, the specimen would dissolve before passing into the investigator's hands.

d. Mr. [REDACTED] invited me (and my witness) into his home, and immediately started the discussion by asking if he was free to talk in front of Mrs. [REDACTED] and my witness, trying to impress me that he was very security conscious and wanted to protect the Air Force because he had once been a member of an Air Force intelligence section.

e. As this investigation involved no classified items or information, I told him to proceed openly. Mr. [REDACTED] then asked several leading questions, quote: "How do I report my sightings to ATIC? Who pays for the calls--ATIC or myself? How may I arrange interviews with project officer? Am I to report all sightings to ATIC?" The statement was also made that he had been "appointed" to report all UFO sightings to ADC through Lockbourne Air Force Base and that they paid all phone bills for him, other than personal calls.

f. At this point, I interrupted him and explained AFR 200-2 on the procedures, format of reporting, and the conditions under which ATIC authorized the payment of phone calls.

g. I then asked Mr. [REDACTED] who had appointed him "UFO investigator" for the Cincinnati area for the Air Force, and who the individual was who authorized the aforementioned phone calls. Without any delay, he named a Captain Hugh McKenzie at Lockbourne AF Base, and a Captain Kee who seems to now have replaced Capt. McKenzie.

C. DISCUSSION (Cont):

h. I then brought up the subject of my real purpose for being there and asked Mr. ██████████ for the sample of the "Angel's-hair" his wife had found. He immediately produced a glass jar with subject item within. He had the lid on the jar and said if it was opened the "Angel's-hair" would disappear. However, suspecting a trick of some sort I insisted that he open the jar and he complied. There was no appreciable change to the contents of the jar, but Mr. ██████████ explained that what he had meant was that if the jar was left opened the "Angel's-hair" would disintegrate after a while.

i. I then replaced the lid of the jar, stepped outside and obtained photographs of the object and its contents. I then asked Mr. ██████████ to show me the samples of metal he had and, as he went inside to do so, I took additional pictures of the area. In so doing, I noticed a white object floating in the air and retrieved it, but, on contact with my hand it completely disappeared. I made no mention of this incident to Mr. ██████████.

j. I then returned inside and Mr. ██████████ gave me the ore or metal samples he had procured, stating that they were dug out of an old stone quarry. (I understood him to say near Cincinnati, however, I have since learned that the samples were found in an abandoned gravel pit near Lafayette, Indiana). I gave Mr. ██████████ a receipt for the articles given me and completed the interview, as Mr. ██████████ had to return to his regular job. I then returned to the down town area and proceeded back to Wright-Patterson AF Base.

k. Upon return to ATIC, I orally reported all details and assisted Captain Gregory in preparing an official request for an examination and evaluation of the specimens (copy attached, Inclosure Nr. 1).

D. CONCLUSIONS:

12. All matters regarding the procurement of the specimens and other statements pertinent to this case were accomplished.

13. The undersigned did not engage in, nor forced into, any discussions on the Air Force position and approach to the UFO controversy which could be used to the detriment of the Air Force or ATIC.

E. RECOMMENDATIONS:

14. None. Return of the analysis and identity of the specimens will dictate the action necessary.

OLIVER D. HILL
M/Sgt USAF
Air Sciences Division

UNCLASSIFIED

~~CONFIDENTIAL~~