

BIOGRAPHICAL INFORMATION SHEET

SECRET

CASE NO. 1027390

1. NAME: ENGEL, Rolf (Dipl.-Ing.)

2. VARIANTS:

3. POSITIONS: *Member, Working Group 3, EUROSPACE, Jul 62;*
 Boelkow Entwicklungen KG, Ottobrunn, West Germany, Oct 62;
 Member, Deutsche Gesellschaft f. Raketentechnik u. Raumfahrt (DGRR),
 Stuttgart, West Germany, 1950-59;
 Member, Wissenschaftliche Gesellschaft f. Luftfahrt (WGL), Braunschweig,
 W. Ger., 1958;

Formerly:

Consultant, Societa' Italiana Sviluppo Propulsione e Reazione (SISPRE),
 Rome, Italy, 1957-62;
 Consultant, Bombrini Parodi Delfino, Rome, 1958-62;
 Director, Compagnie des Engins a Reaction pour Vel Accelere (CERVA), Cairo-
 Heliopolis, Egypt, 1952-56;
 Chief, Research Group, Office Nationale d'Etudes et Recherches Aeronautique
 (ONERA), Paris, France, 1946-52;
 Waffen-Union, Skoda Werk, Brno & Prague, Czechoslovakia, 1942-45;
~~XXXXXXXX~~ Versuchsanstalt f. Strahltriebwerke, Grossendorf, Germany, 1939;

4. LOCATION:

©Ottobrunn, West Germany, Oct 62;
 Segni/Prov Rome, Italy, 1957-Oct 62;
 Cairo-Heliopolis, Egypt, 1952-56;
 Paris, France, 1946-52;
 Brno & Prague, Czechoslovakia, 1942-45;
 Grossendorf, Germany, 1939;

5. OCCUPATION: Aeronautical engineer

6. FIELDS: Solid-fuel rockets; satellites; space research; *chemical propulsion;*

7. BIRTHDATE: 10 Aug 1912

8. BIRTHPLACE: Mens, Germany

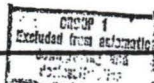
9. NATIONALITY: West German

10. EDUCATION: Ing., Bauhochschule, Berlin; Languages: English, French;

11. HONORS:

12. POLITICAL AFFILIATION: Former member, NSDAP, #4245853, 1 May 1937; SA, 1 Oct 33;
 SS, 1 May 1936, #290651;

SECRET



gak

IN 28631; 22 x 53
FRAN 0383

Born 10 Aug 1912 in Menz, Kreis Ruppin. Engineer. Resided Paris, (references IN 28601) Cairo since 1947. German passport number 3131/5, issued 29 Oct 51, Paris.

Was rocket expert for ss-Waffenamt. Married with wife in Cairo. Not member official German Military Mission, but wealthy private engineer. Said to be playing strong behind-scenes role NE and Egypt.

IN 31794; 4 xi 53
BONN 1220

fnu ENGEL

Described as among the most extreme Nazi elements of the German Advisory Group, and closely connected with W. BEISNER, (qv), who keeps him informed of the activities of German Fascist groups in Argentina and Spain.

NECA 915; 10 Sept 53
[]

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CENTRAL INTELLIGENCE AGENCY
SOURCE METHODS EXEMPTION 3B2B
NAZI WAR CRIMES DISCLOSURE ACT
DATE 2003 2006

FOR COORDINATION WITH ^{ed} US Army
USAF
DoD
State

ENGELS, ~~du~~ Roll

GER-30

EGYPT

FR-4

Info from German Embassy: German engineer ENGELS who has been in Egypt for 6 to 9 mos and set up private firm in Heliopolis to manufacture airplane rockets. According to Ger Embassy, subject believed subject has been working closely with Egyptian military authorities since his arrival. Query to Bonn turned up following info from a certain PITZGEN, a German working with Engles; -- Subject was captured by French in WW2 and worked on rockets for French and for NATO. Firm he has set up with private capital suspected to have come from one George MANTELLO (qv) and/or the French. Subject is reported to have 6 to 8 men working for him in Cairo. Subject is reported to be in contact with 1 of Fr Service Attaches Cairo and made at least one trip to France since coming to Cairo. [and in French connections see card on Compagnie des Ligues

St. Dept.
Disp 875
2 Oct 53

o Reaction pour Usb Accelere]

ENGELS, RoIf

②

GER- 30
FR- 4

EGYPT

Under direction of Engineer (fnu) ENGEL (carder assumes iden with subj) a prototype rocket is being constructed in the factory named SERVA, near Almaza Airport, Cairo.

NEA 189; 18 III 54
[]

OO B 72845; 17 II 54
info: August 1953

Summary biog info on subject:

Chief, Test Department for Rocketry, (Berlin) 1934-36

Tech Director, Research Plant for Reaction Motors, 1939-44

Chief, Development and Technical Advisor, Waffen Union Skoda-Bruenn-Prag, 1942-44

Member, German Min str of Armament, 1942-45

Member and advisor, "Reichsforschungstrat", 1943-45

Tech Director, Research Center Armament Trust "Waffen-Union", 1944-45

Chief, Research Group, ONERA (France); 1947-51

Chief Engineer and Technical Director, CERVA (Egypt), 1952 to date.

Personnaly attractive, suave, poished. Definite air of being opportunist. Does not enjoy good reputation among other German nationalas, partiularly older rocket men.

Founder of the original rocket society, VEREIN FUER RAUNSCHIFFAHRT. When dep France for Egypt took with him two excellent rocket engineers, fnu BOEWADT and P. GOERCKE.

RID/CE

ENGELS, ROLF (3)

GER-30

EGYPT

FR-4

Director of CERVA Rocket Factory at Almaza who is said to be having serious financial problems; unable begin production of 8 cm rockets because of lack of powder and propellants and foreign exchange with which to procure them. Attache conjectures that, now that much of the ~~technical work~~ ^{technical work} has been accomplished on copy of Swiss Oerlikon aircraft rocket, Egyptians ~~may~~ ^{may} be deliberately in posing foreign exchange difficulties on Subj.

US Air Cairo IR 123-
3 May 1954

Subject discussed possibility of establishing a Glenn L. Martin plant in Egypt with a Martin representative. Asst. Air Attache asks if reported Martin proposal is bona fide. (filed in 4.1.5.)

hmf
IR 169 54
US Air Attache
Cairo, 16 July

General manager of CERVA

USAIRA Cairo IR 68 54
22 March 1954

* * * * *

Stefan CZARNECKI (qv) has stated that subj was the person who stirred up trouble between CZARNECKI and the Egyptian Govt; this resulted in C's contract between terminated in December 1954. C also commented that E. SANGER, noted German astronaut in France had refused to work under contract for CERVA with Rolf ENGEL.

OO B 79778; Aug 54

- - - -hnp

6ER-30
ENGELS, Rolf (Dr)
Subj, German director of the CERVA Rocket Factory at Almaza
Airfield.

EGYPT.
IR-161-54
16 Jul 54

ENGEL, ~~(Mme)~~ Danielle (Rolf)

GER-30
FR-4

EGYPT

~~adverse error.~~

Listed as Pole being transported with group approximately 14 x 52 WFFA-13032; 7 x 52 to Cairo from Paris. Apparently he is ground force, to be followed by more important personnel who will be involved in building rocket sites for the Egyptians.

Secretary. German citizen born Munich October 13, 1925.
German passport 313051; Fr visa 167 issued 28 Aug 52.
French address: 47 Ave des Platanes, Brunoy S/O
Address at destination: 10 rue Qubbah, Heliopolis.

WFFA-13205; 20 x 52

In addition to the experts recruited by and under direction of VOSS, and referred to as "the Dr. VOSS Group", who are working as advisors at the Egyptian MinWar and Marine, there are smaller units, one of which is composed of approximately 40 engineers who are constructing a factory for manufacture of rockets. One Engineer ENGEL, fnu, is directing this group.

NEAA-76; 29 iv 53

(See over.....)

See also reverse ↓

Subject, Dr. Rolf Engel, is also engaged in work for the Egyptians (as well as other Germans like Dr. Voss and Gen. Fahrbacher). Subject, a rocket specialist, was Germany's No. 2 specialist in V-weapons. He left France with his assistants early last year. Subject seems to have had a great deal of difficulty in getting rocket production on a regular production basis. A factory is believed to have been built in 1952 at Heliopolis to make 80 and 100 mm AT and AA rockets. However, it did not get far beyond designs and the Eg. Govt. is reported to have abruptly canceled its rocket order. The Germans (have run) into enormous difficulties in Egypt... This went so far that Subject decided, early in 1953, to leave Egypt and set himself up in Spain, but when Engel

PM 5352 (NAF 54); B Category E) of 27 JL 53 Secret/Control (Source: French official with access to govt files.)

~~In report on construction of new rocket plant near Cairo, subj is stated to be among 18 scientists to be employed in plant. Order for 15,000 rockets, decided for stay in Egypt.~~

Hauptsturmführer in Waffen SS, who worked as scientist. 1944, headed joint research centre of SKODA and BRNO arms factories, Prague. More recently in Paris, from whence came as leader of team of German experts on rockets and rocket fuel development in order to establish a factory for this in Egypt.

CSDB-5925; 4 June 53
Info: 1 Jan-6 May 53
TOP SECRET CONTROL

(See reverse) ↓

ENGEL, Rolf

GER 30

EGYPT

Card # 4

FR. 4

Rolf ENGEL, chief of rocket section, included in list of German advisors currently under contract to Eg. Govt.

US MilAtt, Cairo
26 June 54
R 174 54

Subj reported to this office that one Mr. SONEVILLE (phonetic) Belgian industrialist, sent rep to Egypt to investigate feasibility of establishment of aluminum plant there.

USAIRA EGYPT IR 178 54
30 July 54

Subj attended International Conference of Rocket Experts, Innsbruck. Outlines plans for continuing missile development in Egypt. He stated to air attache that Germans are in excellent position to keep Bonn posted on developments in ME and can even influence political development; therefore, if Germany is not interested in such info, the USA should cultivate Germans in the area to obtain it.

IR 203 54 USAIRA EGYPT
18 August 54

- - - -hnfp

23 rue Bonaparte, PO Box 32, Heliopolis, Egypt.

OO B 79774; 15 Nov 54
CONTROL

Attende Fifth International Astronautical Congress with
brother-in-law fnu STIFBERGER (qv), who is subj's personal secretary.

Subj now married, though his wife remained in Cairo; she heads the documentation section
of CERVA.

Stated his relationship with Stefan CZARNECKI (qv) and his company would end with 1954,
as deterioration of their relationship had begun. GOE instigated break-up according to
subj, who said C. selling munitions to Israelis. Subj also said C had put up 45% of backin
for CERVA.

Subj has largest tech library on rocket, guided missile development in world. Apparently
maintains old German files as his personal possession.

1952, when he went to Cairo, source sure E. took complete files of French developments.

Zurich, 1953, subj said regularly received Sov publications on rocket technology.

Subj not sure wishes stay Cairo, trying to get into NATO.

Subj stated in discussion he had trained German agents to obtain teh intelligence in
rocket field during WW II; personality leads source to "believe" he is playing with
international intelligence collection.

Born 1911, Danzig, of extremely wealthy family which lost all during inflation. While
attending high school, subj worked 8 hours daily as machinist. Did well in studies.

1928 or 1929, worked for unspecified astronomical observatory.

Claims to have one U.T. BODEWADT (qv), working with him (in Egypt? not stated).

- - - -hnfp

ENGEL, Rolf

5
Card # 5

GER-30
FR-4

EGYPT

Source in recent discussion with Subject, Director of CERVA Factory, USAirA Egypt
Subj stated tha the French Government expends large sums in the Middle IR-137-55
East on acquiring intelligence information. Stated that Commandant 10 May 55:C-6
Henri Picq, French Assist. MILATT to Egypt, who has been in intelligence
work for 15 years, heads the French Intelligence Service for entire
ME, and spends large sums of money on acquisition of industrial infor-
mation. Subj claims that he personally knows French Intelligence
Headquarters personnel and stated he could furnish this office with
organizational and funct onal information of the Dexime Bureau. Subj
stated that lathough the French outwardly cooperate with the Western
powers, unofficially they are always working for themselves, and in
certain instances actually against the interest of the West. Subj stated
that while in France, thru other intelligence contacts, he was able to
see all French Intelligence reports on the CERVA Company. French have
complete information on production, employees, salaries, etc.

Subject recently discussed the problems he was having as Director of the CERVA Rocket Factory. Primary problem is that of low wage scale, poor morale and impending loss of topgrade people. Subj is very dissatisfied in Egypt. Fears nationalization of CERVA, Subj expects to make a move soon as he stated he has offer of jobs in Europe and plans to visit Germany within 6 months. Stated that Gerhardt Mertens and Carlhans Nuelle are conducting a market survey of entire ME area for several German concerns. ~~Engl~~ Subj stated that he could not furnish information desired by USAFE at this time, but at time of his departure from Egypt, he will make all documtnes available.

USAirA Egypt,
12 May 55
C-2

* * * - - - - -

In discussion 25 June with Subj, Subj, reported that there is a 3 way cleavage in the Ministries of War, Production and Commerce and Industry. Stated that although RAGAB, for all practical purposes, works under Hassan IBRAHIM, he has been attempting to influence Hassan MARIE, the Minister of Commerce and Industry with his (Ragab's) pro-Socialist and pro-communist ideas. Subj said Ragab was the proponent of much government interference in business. He pushed the new Directors Law, which unpopular with private enterprise in Egypt. Subj said this all stems from his Communistic viewpoints. Stated that a lot of "Red" rubbed off during Ragab's visit to the Russian countries last year. Ragab's objective is to get the Government involved in munitions and commercial trade with Russia and other satellite countries. Subj added that in addition, Wing Commander Jamal SALAM has a great voice in Go ernment owned or partially owned factories

IR-189-55
25 June 55
C-3

- - - - -

ENGEL, Rolf

(Card #6

GER-30
FR-4

EGYPT

Subj, anxious to secure employment with an American Co in U.S. working on rocket research projects. PO received Subj's normal prolonged delaying tactics in regard to info previously promised about contact in large French scientific library in Paris. Appears Subj is using his so-called "technical library" as tool in attempt to secure help from U.S. Army and/or Air Force Attaches in securing employment in U.S. COMMENT PO. Appears that no further info requested can be obtained at this time. Subj apparently will continue his delaying tactics until day of departure. Apparently using technical library as bargaining tool to secure assistance in search of employment.

IR-74-56
17 Feb 56
C-6

17 Feb 1956, Subj provided job descriptions of BOEDEWADT (ballistics experiment) and HANISCH. with request that copies of vital info about himself, BODEWADT, HANISCH and SZYNKIEWICZ be forwarded to a list of U.S. Aviation companies with hope that one of these companies would be interested in interviewing this group for hire as rocket specialists. Stated group would be available not later than 1 Jan 1957.

R 146 56, 23 Feb 56
B-3

ROUTING	
1	FI 6
2	FI 6
3	Callaway
4	
5	Clarke
6	EE/PI
7	
8	

CENTRAL INTELLIGENCE AGENCY

5 NOVEMBER 1953

SECRET
SECURITY INFORMATION

OUT 99815

TO: SR REP [] [] [] /eaf EE/PI/G 2846

FROM: DIRECTOR, CIA ROUTINE

NOV 10 1953

CONF: EE 6 1911Z 9 NOV 53

INFORMATION: COP, FI, FI/OPS, FI/STC, NE 2, FI/RI 2

DIR 26298

TO [] [] CITE DIR

RE DIR 26297 (OUT 99814)

ROLF ENGELS WEALTHY PRIVATE ROCKET ENGINEER UNDER CONTRACT EGYPTIAN GOVERNMENT. GERMAN PASSPORT NUMBER 3131/5 ISSUED PARIS 29 OCT 51. HAS LIVED PARIS AND CAIRO SINCE 47. WIFE IN CAIRO.

END OF MESSAGE

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CENTRAL INTELLIGENCE AGENCY
SOURCES METHODS EXEMPTION 3B2B
NAZI WAR CRIMES DISCLOSURE ACT
DATE 2003 2008

NOTE TO SIGNAL CENTER: Please cross reference these cables.

NE-2 [] [] [] []

NE/PI

SECRET
SECURITY INFORMATION

PETER SICHEL
COPY NO
EE/PI

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CLASSIFIED MESSAGE

ORIG : C
 UNIT : EE/FI/G
 EXT : 2846
 DATE : 24 NOVEMBER 1953

SECRET
 SECURITY INFORMATION

ROUTING			
1	FIG	4	
2	FIG	5	CGE
3	CHRONO	6	EX/FL

TO : SR REP FRANKFURT, BONN

FROM : DIRECTOR, CIA

DEC 2 1953

CONF: EE 6

INFO : COP, FI, FI/OPS, FI/STC, FI/RQM 3, FI/RI 2, WE 2, NE 2

DIR 29005 (OUT 54365)

1844Z 1 DEC 53

ROUTINE
 PRECEDENCE
 CITE DIR

TO SFRAN, SBONN

RE: DIR 29006 (OUT 54366) ✓*

1. SUBJECT FRAN 0383 (IN 25631) ACTIVELY CONCERNED ROCKET DEVELOPMENT SINCE EARLY 30'S. WAS MEMBER "VEREIN FUR RAUMSCHIFFFAHRT" - GERMAN ROCKET SOCIETY. BEGAN WORK AT PEENEMUENDE 1937. ALLEGED GESTAPO CONNECTION LAST WAR. AFTER WAR WORKED FOR FRENCH "OFFICE NATIONAL DES ETUDES ET RECHERCHES AERONAUTIQUE" IN PARIS. ALLEGEDLY HAS EXTENSIVE FILES GERMAN WARTIME ROCKET PROJECTS. ALSO CLAIMS TO HAVE ACCESS TO SOVIET JOURNALS HIS FIELD. EGYPTIAN COMPANY OF WHICH HE TECHNICAL DIRECTOR PRODUCES SOLID PROPELLENT ROCKETS. SUBJECT IS ORGANIZING AN EGYPTIAN ROCKET SOCIETY.

2. GERMAN AMBASSADOR EGYPT INFORMED ODACID 1 OCT 53 THAT EGYPTIAN OFFICIAL HAD INQUIRED RE SUBJECT. ALSO STATED THAT SUBJECT ALLEGEDLY IN CONTACT FRENCH SERVICE ATTACHE CAIRO. GERMANS INVESTIGATING SUBJECT'S ACTIVITY IN FRANCE.

3. SEE JANUARY 53 [] REPORT MGF 953. DETAILED TRACES POUCHED.

END OF MESSAGE

* CABLE SECRETARIAT COMMENT: FRAN 0383 (OUT 28631)

Note to Signal Center: Please cross-reference these two cables.

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 NAZI WAR CRIMES DISCLOSURE ACT
 DATE 2003 2008

WE/FRANCE []

RQM/SS []

NE / as Approved - safe

COORDINATING OFFICERS []

SECRET
 SECURITY INFORMATION

EE/FI/G

DC/EE
 RELEASING OFFICER

AUTHENTICATING OFFICER

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FOR COORDINATION WITH ^{ed} US Army

CONFIDENTIAL

DA INTELLIGENCE REPORT

(Use this form only in accordance with instructions in SR 320-303-2)

CLASSIFICATION NUMBER FROM PAGE

R-354-37

CUS, LCA, GYM

ROLF ENGEL LEAVING EGYPT (U)

1. On a visit to CG, 10 May 57, Mr. ROLF ENGEL, Director of CMAV, stated that CGM had finally released him from his contract and that he and his wife were definitely leaving Egypt on 25 May 1957. During the conversation Mr. ENGEL provided the following information:

a. Although theoretically the CMAV Company has been nationalized, CGM has not yet paid off the stock holders. This corrects R-970-56.

b. Production of rockets has not started, and it is unlikely that it will for a number of years. During the past six months the Egyptians attempted to use the factory to manufacture bazooka rockets, but unsuccessfully.

c. As his departing recommendation Mr. ENGEL advised that instead of wasting large sums in trying to produce rockets that CGM set aside a small amount in the annual budget to keep the Egyptian technical personnel now partially trained on rocket research and development together as a team and permit them to continue their studies and familiarization on this subject. Mr. ENGEL presented the idea that although CGM could not now produce rockets, it might be able to do so several years hence, and it would be wise not to disperse and loose the technical personnel already partially trained. According to source, CINC Major Hakim AMAR approved of this suggestion.

d. Although the above suggestion was accepted two months ago, CGM has been unable to decide which of the two services, Air Force or Army, should be in charge of the continued operation of the plant. Mr. ENGEL states that the plant will be placed under the administrative control of the Chief of War Factories, Major General Abdel Wahab Seif al Islam (R-307-55) and his assistant Brigadier Amir Abdel Dabbas (R-82-54). However, the technical chief of the factory (Army or Air Force) has not yet been selected. Mr. ENGEL stated that he originally suggested that Colonel HINDAWI (Inu), the most knowledgeable officer on rocketry be chief, but HINDAWI refused to be considered for the position, since according to Mr. ENGEL his transfer would mean forced retirement; HINDAWI aspires to reach the grade of Brigadier (to be promoted to Major General upon retirement) before leaving the Army. Col HINDAWI is a Engineer officer (not to be confused with R-225-56).

e. As an alternate Mr. ENGEL suggested the appointment of Brigadier Amin Kamel (R-267-55), who he described as lacking the technical know-how but was a go-getter.

2. Asked if any of his German colleagues would remain at CMAV, source stated "No". All had been fired last March in spite of the fact that their contracts ran until June. They are currently waging a legal battle with CGM for back pay. The only one accompanying ENGEL will be Dr. BOMER.

3. Asked about Soviet participation in rocketry here, ENGEL stated that there are no Soviet types at the CMAV plant; however, to the best of his knowledge there are five Czech technicians with the Egyptian Army as advisors on operation and maintenance of artillery rockets.

4. Asked what he intended to do after he left Egypt, ENGEL stated that he had been offered and expected to accept a position of coordinator for a combined French-German research project in rocketry with headquarters in Italy. He stated that he had also been offered a position with the Japanese Government at a more attractive salary but that he preferred to stay closer to home.

5. ENGEL gave his home address in Germany as follows: Freiburg, Breisgau, Breisstrasse 25, Telephone 8455. This is apparently the address (residence) of his other.

REGARDING DATA NOT PRESENTED

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1 OCT 55

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6. asked whether or not he would have any difficulty in taking his personal possessions with him from Egypt, particularly his private library on rocketry. MUGEL stated that this subject had been a long struggle with Qas but with the assistance of Umar SAHAI, with whom he has been on friendly terms, the road had been paved. All of his possessions are now packed for export, and he expects no trouble.

Comment (of Preparing Officer) (CONFIDENTIAL)

1. MUGEL has been a controversial figure in Egypt. Among the German community known to FO, MUGEL is either described as a genius or a fool.

2. Although contacted periodically by FO, MUGEL has never been an excellent source. On subjects about which he should have personal knowledge, he appears to be reliable; on other subjects, however, he appears to talk free hearsay and has been proven inaccurate.

3. The information concerning the G.I.V. plant in this report and personalities involved is believed to be reliable. The accuracy of the rest of the information except for MUGEL's address is doubtful.

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DA INTELLIGENCE REPORT <small>(Use this form only in accordance with instructions in SR 389-505-3)</small>		CLASSIFICATION CONFIDENTIAL		REPORTED ON EGYPT	ID NUMBER 2047651
REPORT NUMBER A-354-57	FROM CNS. EGPT	PREPARED BY Col Alfred Ashman	SOURCE As indicated	DATE OF REPORT 11 May 57	
SUBJECT Rolf Engel Leaving Egypt (U)		REFERENCES A-970-56	EVALUATION As Indic.	DATE OF INFO. 10 May 57	
SUMMARY					
<p>1. Mr. Rolf ENGEL (A-970-56) states he is leaving Egypt and that the CERVA plant of which he has been director will be turned over to the administrative control of the Chief of War Factories under the Ministry of War. (NOTE: Plant was formerly under the control of EAF).</p> <p>2. According to source GOE has accepted his recommendation that attempts to produce rockets now be held in abeyance but that the plant continue to operate for the training of personnel in research and development. Question as to whether Air Force or Army will be in charge of operations still has not been decided.</p> <p>3. ENGEL personally plans to go to Italy where he will accept a position as coordinator for a new French-Italian-German research project in rocketry.</p>					
REGARDING DATA NOT DETERMINED					
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DA FORM 1048
OCT 53

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ENGEL, Rolf

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SOURCES METHODS EXEMPTION 3B2B
NAZI WAR CRIMES DISCLOSURE ACT
DATE 2003 2008

FOR COORDINATION WITH ed US Army

CONFIDENTIAL

Bally
4495

16 December 57

~~ROLF ENGEL WEST GERMAN ENGINEER AND GUIDED MISSILES RESEARCH SPECIALIST~~
~~JOINED THE SISPRE GROUP SUMMER OF 1957. (SISPRE ORGANIZATION IN ROME~~
~~IS SPONSORED BY ITALIAN MINISTRY OF DEFENSE; IS WORKING ON DEVELOPMENT~~
~~OF NEW WEAPONS, HEADED BY GENERAL ALDO URBANI, INCLUDES REPRESENTATIVES~~
~~OF FIAT COMPANY, FINMECCANICA, AND BOMBRINI-PARODI-DELFINO (LATER~~
~~IS LARGEST FIRM IN ITALY WORKING ON AMUNITION AND SOLID ROCKET FUELS.)~~
~~SINCE 1957 ENGEL HAS BEEN TRYING TO PERSUADE ITALIAN GOVERNMENT TO~~
~~ENTER THE EUROPEAN POOL FOR ROCKET DEVELOPMENT AND HAS MADE FREQUENT~~
~~TRIPS TO THE BREMEN ROCKET RESEARCH CENTER. HE WORKED AT PENNEMUENDE~~
~~AND WITH SKODA ^{with Skoda} DURING WORLD WAR II. AFTER THE WAR, HE WORKED ON FRENCH~~
~~ROCKET DEVELOPMENT PROJECTS, THEN AS A CONSULTANT AND "TECHNICAL DIRECTOR"~~
~~ON ROCKETS AND GUIDED MISSILES WITH THE EGYPTIAN GOVERNMENT UNTIL~~
~~GOING TO SISPRE.~~

24 February 1959 [] [EGF 4065]

IN AUGUST 1958, PROF. ROLF ENGEL REPRESENTATIVE OF SISPRE ORGANIZATION
OF ROME DISCUSSED POSSIBLE ITALIAN-GERMAN COLLABORATIVE RESEARCH
ON MISSILES WITH MEMBERS OF PROF. EUGEN SAENGER'S INSTITUTE FOR
RESEARCH ON THE PHYSICS OF JET PROPULSION STUTTGART. IN NOV. 58
ENGEL VISITED BOELKOW ENTWICKLUNGS-KOMMANDIT GESELLSCHAFT (BEKG)
HEADQUARTERS TO DISCUSS POSSIBLE BEKG EMPLOYMENT OF SOLID ROCKET FUELS
PRODUCED BY AN ITALIAN FIRM, BOMBRINI. IN DECEMBER 1959 BEKG
PROPULSION ENGINEERS HEINZ TOEPFER, R. FUCHS AND KUNO DREYER AND
SAENGER INSTITUTE SCIENTIST PROF. DR. ARMIN DADIEU MET IN ROME WITH
ENGEL AND WITH REPRESENTATIVE OF BOMBRINI STOCKHOLDERS, DIPL ING.
THE
ALVARO ORLEANS-BORBON. SUBJECT OF THIS DISCUSSION WAS AGAIN THE
POSSIBILITY THAT BEKG WOULD SWITCH ITS SOLID FUEL PROCUREMENT FROM THE
WEST GERMAN FIRM DYNAMIT A.G. TO BOMBRINI. BEKG PERSONNEL WILL HOLD
A FURTHER DISCUSSION WITH BOMBRINI REPRESENTATIVES IN ROME ON OR ABOUT
1 MARCH 1959

field comment: ENGEL MADE CONTACT WITH REPRESENTATIVES OF THE
SAENGER INSTITUTE IN AUG 58 AT 9th CONGRESS OF THE INTERNATIONAL
ASTRONAUTICAL FEDERATION (IAF) IN AMSTERDAM.

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CENTRAL INTELLIGENCE AGENCY
SOURCE METHODS EXEMPTION 3B2B
NAZI WAR CRIMES DISCLOSURE ACT
DATE 2003 2006

EGF 2684

31 January 1958

IN LATE DECEMBER 1957 ENG. ROLF ENGEL, A GERMAN ENGINEER IN THE
FIELD OF SPACE RESEARCH EMPLOYED BY THE ITALIAN GOVERNMENT SISPRE
ORGANIZATION, VISITED THE BOELKOW CORPORATION IN STUTTGART TO DISCUSS
POSSIBILITIES OF ACQUIRING A LICENSE FOR THE ITALIANS TO MANUFACTURE

~~THE BOELKOW COBRA ANTI-TANK ROCKET.~~

THE BOELKOW COBRA ANTI-TANK ROCKET.

PERSONALITY (201) FILE REQUEST

TO	RI/ANALYSIS SECTION	DATE	9/1/58	ACTION			
FROM	RI/AN/201	<input checked="" type="checkbox"/>	OPEN	<input type="checkbox"/>	AMEND	<input type="checkbox"/>	CLOSE
		ROOM NO.		TELEPHONE			

INSTRUCTIONS: Form must be typed or printed in block letters.

SECTION I: List 201 number, name and identifying data in the spaces provided. All known aliases and variants (including maiden name, if applicable) must be listed. If the identifying data varies with the alias used, a separate form must be used. Write UNKNOWN for items you are unable to complete.

SECTION II: List cryptonym or pseudonym, if assigned. If true name is sensitive, obtain 201 number from 201 Control Desk and complete Section I and Section III. On a separate form, enter the 201 number and complete Section II and Section III. Submit each form separately.

SECTION III: To be completed in all cases.

SECTION I

<input type="checkbox"/>	SENSITIVE		SOURCE DOCUMENT	
<input checked="" type="checkbox"/>	NONSENSITIVE	E	OCR/BR	
NAME	(Last)	(First)	(Middle)	(Title)
ENGEL, ROLF				(ING)
				SEX 3.
				<input checked="" type="checkbox"/> M <input type="checkbox"/> F

NAME VARIANT

TYPE NAME - 2.	(Last)	(First)	(Middle)	(Title)
----------------	--------	---------	----------	---------

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SOURCES METHODS EXEMPTION 3B2B
NAZI WAR CRIMES DISCLOSURE ACT
DATE 2003 2008

PHOTO 4.	BIRTH DATE 5.	COUNTRY OF BIRTH 6.	CITY OR TOWN OF BIRTH 7.	OTHER IDENTIFICATION 8.
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	10 08 '19	GERM	KREIS RUPPIN	1. 2. 3.
OCCUPATION/POSITION 9.	CHIEF ENGR + TECH. DIR. COMPAGNIE DES ENGIN'S			OCC/POS. CODE ENGR

SECTION II

CRYPTONYM	PSEUDONYM
-----------	-----------

SECTION III

COUNTRY OF RESIDENCE 10.	ACTION DESK 11.	SECOND COUNTRY INTEREST 12.	THIRD COUNTRY INTEREST 12a.
EGYP	NEA/2E	WGER	

COMMENTS: Subject a pioneer in the rocket and aviation field, and reportedly at one time one of the top three rocket scientists in the world.

PUNCHED

PERMANENT CHARGE	RESTRICTED FILE	SIGNATURE
YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	E

FIELD INFORMATION REPORT

EVALUATION OF SOURCE: A: Completely reliable. B: Usually reliable. C: Fairly reliable. D: Not usually reliable. E: Not reliable. (Applied to sources of doubtful honesty or loyalty, regardless of their competence). F: Reliability cannot be judged (Applied to untested or insufficiently tested sources).

APPRAISAL OF CONTENT: 1: Confirmed by other independent and reliable sources. 2: Probably true. 3: Possibly true. 4: Doubtful. 5: Probably false. 6: Cannot be judged. Documentary: Based on original document.

S-E-C-R-E-T
NOFORN

COUNTRY West Germany/Italy/France
REPORT NO. EGF-2685
SUBJECT Ing. Rolf Engel and His Connections
DATE OF REPORT 9 January 1958
NO. OF PAGES 2
REFERENCES /EGF-2684

DATE OF INFO. Late December 1957

PLACE ACQUIRED Germany, Frankfurt (5 January 1958)

SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE. NOTE FOREGOING EXPLANATION.

SOURCE: West German scientist in touch with Engel (P)

Appraisal of Content: 3

1. Ing. Rolf Engel, born in Metz on 10 August 1912, a German space and guided missile research specialist working for the Italian government organization Sispres, is much interested in a joint rocket development program to be undertaken by Germany, Italy, and France. He came to West Germany about ten days before the NATO Conference in December 1957, with an Italian general apparently to discuss with the West German Defense Ministry a program by which the three countries could cooperate on rocket developmental work to avoid duplication of research and eventually to develop standardized rockets for the use of the NATO countries. One of the Germans who participated in the conference was Dipl. Ing. Ludwig Boelkow, head of the Boelkow Corporation of Stuttgart, with whom Engel has been in touch on another joint program.² According to an associate of Boelkow, no joint work has yet been undertaken by the three countries, but plans to organize the developmental program are under consideration.³
2. During World War II, Engel headed a solid-fuel research and development center in the Danzig area under the German government. His team was later moved to a development center near Pribran, in the vicinity of Prague, and toward the end of the war to Munich, where it continued working until the American occupation of the area. At this point, Engel moved to the French Zone of Germany for a short time and in 1947 went to Paris to work for ONERA, a French government organization concerned with rocket development. He employed German technicians for some of his ballistic and trajectory work there.
3. In 1952, Engel accepted a job with the Egyptian government and moved to Cairo, where he remained until the summer of 1957. In Egypt, as in Paris, he employed a number of German engineers and technicians, some of whom came from Paris with him. Engel left Cairo in July 1957 to take a position with Sispres.

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NAZI WAR CRIMES DISCLOSURE ACT
DATE 2003 2006

S-E-C-R-E-T
NOFORN

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WASH	USAFE	OCA/Bavaria
STRAT	ROME	SCI
	PARIS	

CS COPY

4. Engel's reputation in West Germany is not very good, but he apparently wishes to return to Germany and reestablish himself there. He keeps his extensive library on rockets and missiles at Munich, where his wife has been living since she left Egypt with her husband in July 1957.

TDL-31339,077

1. Field Comment: A brief account of this firm and of Engel's connections was given in EGP-2618.
2. Field Comment: This concerns Italian manufacture of the COERA rocket; see EGP-2684.
3. Field Comment: Plans for a joint program along these lines were publicly announced on 8 January 1958.

S-E-C-R-E-T
NOFORN

PERSONALITY (201) FILE REQUEST

TO RI/ANALYSIS SECTION	DATE 21 Jun 58	ACTION	
FROM RI/AN/58	ROOM NO.	<input checked="" type="checkbox"/> OPEN	<input checked="" type="checkbox"/> AMEND
		<input type="checkbox"/> CLOSE	TELEPHONE

INSTRUCTIONS: Form must be typed or printed in block letters.

SECTION I: List 201 number, name and identifying data in the spaces provided. All known aliases and variants (including maiden name, if applicable) must be listed. If the identifying data varies with the alias used, a separate form must be used. Write UNKNOWN for items you are unable to complete.

SECTION II: List cryptonym or pseudonym, if assigned. If true name is sensitive, obtain 201 number from 201 Control Desk and complete Section I and Section III. On a separate form, enter the 201 number and complete Section II and Section III. Submit each form separately.

SECTION III: To be completed in all cases.

SECTION I

<input type="checkbox"/> SENSITIVE		<input type="checkbox"/> NONSENSITIVE	
NAME (Last)	(First)	(Middle)	(Title)
NAME VARIANT		(First)	(Middle)
TYPE NAME 2.	(Last)	(First)	(Middle)

RI/ANALYSIS COPY DESTROYED UPON RECEIPT OF MACHINE LISTING

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CENTRAL INTELLIGENCE AGENCY
SOURCE METHODS EXEMPTION 3B2B
NAZI WAR CRIMES DISCLOSURE ACT
DATE 2003 2006

PHOTO 4.	BIRTH DATE 5.	COUNTRY OF BIRTH 6.	CITY OR TOWN OF BIRTH 7.	OTHER IDENTIFICATION 8.
<input type="checkbox"/> YES <input type="checkbox"/> NO	D M Y		metz	1. 2. 3.
OCCUPATION/POSITION				OCC/POS. CODE 9.

SECTION II

CRYPTONYM	PSEUDONYM

SECTION III

COUNTRY OF RESIDENCE 10.	ACTION DESK 11.	SECOND COUNTRY INTEREST 12.	THIRD COUNTRY INTEREST 12a.
Italy			

COMMENTS:
 German space and guided missile research specialist working for the Italian Government organization SISPRE

PERMANENT CHARGE	RESTRICTED FILE	SIGNATURE
<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	

SECRET

(When Filled In)

PERSONALITY (201) FILE REQUEST

TO RI/ANALYSIS SECTION	DATE 23 Jan 1958	ACTION		
FROM RI/SC	ROOM NO. 1012 L	<input checked="" type="checkbox"/> OPEN	AMEND	CLOSE
		TELEPHONE 8077 - 4639		

INSTRUCTIONS: Form must be typed or printed in block letters.

SECTION I: List 201 number, name and identifying data in the spaces provided. All known aliases and variants (including maiden name, if applicable) must be listed. If the identifying data varies with the alias used, a separate form must be used. Write UNKNOWN for items you are unable to complete.

SECTION II: List cryptonym or pseudonym, if assigned. If true name is sensitive, obtain 201 number from 201 Control Desk and complete Section I and Section III. On a separate form, enter the 201 number and complete Section II and Section III. Submit each form separately.

SECTION III: To be completed in all cases.

SECTION I

SENSITIVE	<input type="checkbox"/>	1. SOURCE DOCUMENT	
<input checked="" type="checkbox"/> NONSENSITIVE	<input type="checkbox"/>	CSGI-3/748,194	
NAME (Last)	(First)	(Middle)	(Title)
ENGEL	Rolf		Dr.
NAME VARIANT			SEX 3.
			<input checked="" type="checkbox"/> M <input type="checkbox"/> F

TYPE NAME 2.	(Last)	(First)	(Middle)	(Title)

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SOURCES METHODS EXEMPTION 3B2E
NAZI WAR CRIMES DISCLOSURE ACT
DATE 2003 2008

PHOTO 4.	BIRTH DATE 5.	COUNTRY OF BIRTH 6.	CITY OR TOWN OF BIRTH 7.	OTHER IDENTIFICATION 8.
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	D 10 M 08 Y 12	GERM	Kreis Menz, Ruppin	1. 2. 3.
OCCUPATION/POSITION Rocket scientist				OCC/POS. CODE 9. SCIE

SECTION II

CRYPTONYM	PSEUDONYM

SECTION III

COUNTRY OF RESIDENCE 10.	ACTION DESK 11.	SECOND COUNTRY INTEREST 12.	THIRD COUNTRY INTEREST 12a.
	RI/SC	C/RI	

COMMENTS:

Allegedly, Subject has been engaged in international intelligence collection. Reported as the founder of the original rocket society, Verein Fuer Raumschiffahrt.

PUNCHED

PERMANENT CHARGE	RESTRICTED FILE	SIGNATURE
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

INFORMATION REPORT INFORMATION REPORT

S-E-C-R-E-T
NOFORN

TOPIC	West Germany/Italy/France	REPORT NO	CS-3/343,172
REF	Ing. Rolf Engel and His Colleagues' Work on the Rocket Development Program of West Germany, Italy, and France	DATE DISR	31 JAN 1958
		NO. PAGES	2
		REQUIREMENT NO.	RDC-6-6; RLA-1872 RMI-715; RDA-1032
DATE OF INFO	Late December 1957	REFERENCES	
DATE DISR	Germany, Frankfurt (5 January 1958)		

SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

SOURCE: West German businessman (F). Appraisal of Contents: 3.
Appraisal of Content: 3

1. Ing. Rolf Engel, born in Metz on 10 August 1912, a German space and guided missile research specialist working for the Italian government organization Sispres, is much interested in a joint rocket development program to be undertaken by Germany, Italy, and France. He came to West Germany about ten days before the NATO Conference in December 1957, with an Italian general apparently to discuss with the West German Defense Ministry a program by which the three countries could cooperate on rocket developmental work to avoid duplication of research and eventually to develop standardized rockets for the use of the NATO countries. One of the Germans who participated in the conference was Dipl. Ing. Ludwig Boelkow, head of the Boelkow Corporation of Stuttgart, with whom Engel has been in touch on another joint program.² According to an associate of Boelkow, no joint work has yet been undertaken by the three countries, but plans to organize the developmental program are under consideration.³
2. During World War II, Engel headed a solid-fuel research and development center in the Danzig area under the German government. His team was later moved to a development center near Pribran, in the vicinity of Prague, and toward the end of the war to Munich, where it continued working until the American occupation of the area. At this point, Engel moved to the French Zone of Germany for a short time and in 1947 went to Paris to work for ONERA, a French government organization concerned with rocket development. He employed German technicians for some of his ballistic and trajectory work there.
3. In 1952, Engel accepted a job with the Egyptian government and moved to Cairo, where he remained until the summer of 1957. In Egypt, as in Paris, he employed a number of German engineers and technicians, some of whom came from Paris with him. Engel left Cairo in July 1957 to take a position with Sispres.

previously known

arrived in

arrived in

S-E-C-R-E-T

CLASSIFIED BY	DATE	BY	DATE

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DATE 2003 2006

Engel's reputation in West Germany is not very good, but he apparently wishes to return to Germany and reestablish himself there. He keeps his extensive library on rockets and missiles at Munich, where his wife has been living since she left Egypt with her husband in July 1957.

1. Field Comment: A brief account of this firm and of Engel's connections was given in
2. Field Comment: This concerns Italian manufacture of the COBRA rocket;
3. Field Comment: Plans for a joint program along these lines were publicly announced on 8 January 1958.

USAFE, ATI Directorate, Italy, IR 115058, 25 February 1958

Visit to Bombrini by Walker, USAF Lt. Col. Among representatives of SISPRE (Italian Research Society on Reaction Propulsion) was Rolf Engel, an ex Peenemunde scientist living in Rome, who is a propulsion consultant to

EP-D.

OO B-3,102, 710, 18 April 58

Source civilian employee at Redstone Arsenal. (Knew Engel quite well when in Germany)

While still a high school student he became an assistant to Dr. Winkler who was doing some experimental works on rockets. Later he entered the U. of Berlin to study mechanical engineering, although he never managed to obtain a degree due to other commitments.

During 1933-1936 Engel, with backing from the SA, tried to organize his own research and development team, but he was unsuccessful.

In 1939 Engel became technical director of a small rocket test station in West Prussia (Versuchsanstalt Grossendorf). Here he carried on some development work on small rockets for the SS. This was his main assignment during World War II. (Schutzstaffel-Elite Guard)

From 1947 to July 1952, Engel, with a few of his former associates worked as a consultant for the French government in Paris.

In 1952 Engel went to Egypt and became technical director of the "Compagnie des Engins a Reaction pour Vol Accelere" (CERVA). This French-Egyptian enterprise was working on an Egyptian government contract to develop a small artillery rocket. The company was nationalized in 1956.

In the spring of 1957 Engel and his associates left Egypt. To best of my information Engel is currently living in Rome, where he is a consultant to a group of Italian companies engaged in the development of an anti-aircraft rocket of the Nike-Hercules type. I do not know whether any of Engel's work concerns unguided rockets, and no studies are known to me to be available relating to the warhead or fusing of Engel's projects.

Engel must be considered as one of the earliest rocket engineers with a good background in rocket history. He also has considerable management

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CO B-3, 102, 710 (continued)

experience, but unfortunately he was never affiliated with one of the larger successful rocket development programs. Somehow he ~~was~~ always managed to be in the wrong place in the development organization

CO-B 3,102,246, 18 April 1958

Source: US citizen, rocket engineer associated with a leading US research laboratory, maintains continuing contact with a number of foreign rocket and missile engineers. As had been reported previously Rolf Engel, the former chief of the rocket section of the SS in the Nazi German government was in close and continuing contact with Soviet delegates Dr. L. I. Sedov and Dr. Alla T Massevich during the Eighth Annual Congress of the International Astronautical Federation, Barcelona, 6-12 October 1957.

In subsequent correspondence with Engel, Source asked him for details of his conversations with Sedov and Massevich. He had just received a letter from Engel, dated 12 March 1958 in which is enclosed a complete report of his conversations with Sedov.

"Today I annex a confidential note about Professor S. I have had a few letters from him but the report about Sputnik results which he promised to send to me has not yet arrived. From Dr. Alla Massevich, I have received some greetings and some nice photographs from Barcelona.

I am preparing a paper about the history of the development of solid propellants for rocketry and I will appreciate any information you can send me. My best regards Yours truly, Rolf.

Note contained Sedov's comments about US Satellite program. He spoke very thoroughly about the history of the development of the US satellite project. He knows several technical details and is also well-informed about the administrative and personal difficulties involved. During our conversation on this, he said: "You know from your own German experience that a great scientific project will always turn out a failure when politicians or military people have too much to do with it. It seems to me that this is the case in America". When I replied that the Soviet govt. is using the Sputnik as a purely political weapon, he admitted that this was so, but he underlined the fact that politicians had never interfered in the development of it. Sedov said that the scientists ~~had~~ were able to obtain anything they needed to carry out their work and that they had been able to overcome very easily the initial opposition from the military authorities

Note: The author of this report (Engel) using the information obtained in conversation with Professor Sedov succeeded in calculating the performance of the carrier rocket of Sputnik I. He was able to obtain complete agreement with all other known information about the Soviet T-3 rocket, an IRBM, changing the third stage and maintaining the first and second stages, unchanged, it is possible to launch a 92 kilogram satellite into an elliptical orbit with an average altitude of 570 kilometers, the weight including the nose cone.

00-B-3,113,180, 25 Sept. 58

Source: US citizen, engineer with a US industrial research laboratory. Closely associated with the International Astronautical Federation since its inception. He attended the 9th annual Congress of the IAF, Amsterdam 25-30 Aug. 58.

Had two opportunities for private talks with Sedov and Ogorodnikov. First one in the company of Rolf Engel, The German rocket engineer, currently associated with SISPRE in Rome, when the four absented themselves from one of the meetings and took a drive through the Dutch countryside in Engel's car.

14 February 1958

FBIS

/ Rome, ANSA, Radioteletype in Italian to S.S. subscribers, Feb. 12, 58

Summary - Prof. Rolf Engel, a German scientist who once worked with von Braun and was assigned to the rocket and missile program in Germany until 1945, stated in an interview with an ANSA reporter that "among the European countries, Italy is perhaps the most advanced in the missile field.

00-B-3,095,995, 29 January 1958

Source: US citizen, rocket engineer employed by a large US research and development laboratory.

One of more curious aspects of the 1957 IAF congress was the coverage accorded to it by Der Stern, illustrated magazine published in Hamburg. Since Der Stern is not a scientific magazine, I have been most puzzled by the scope of its operations in relation to US and Soviet rocketry.

I was approached by Wolfgang Lohde, identified himself as a correspondent of Der Stern. Lohde worked very closely during the course of the conference with Rolf Engel, former Nazi intelligence officer in the rocket field, who is now working in Rome. Engel put Lohde in touch with Soviet delegates L.I. Sedov and A.G. Massevich and on one occasion arranged for Lohde to act as their chauffeur during a four hour sightseeing tour.

00-B-3,091,064, 5 November 1957

Soviet Delegates to the 8th Annual Congress of the IAF, in Barcelona, 6-12 October 1957

Source: US citizen, rocket engineer associated with a leading US research laboratory. He maintains continuing contact with a number of foreign rocket, missile and space flight engineers. In particular, he has been in contact with Sedov at past IAF congresses in Copenhagen and Rome as well as at conferences in the US.

I would like to call attention here to the high regard in which Sedov and Massevich obviously held German rocket engineer Rolf Engel. During the Congress Sedov probably spent more individual time with Engel than anyone else.

Engel is the former top SS man for rockets in the Nazi government. He has in his possession the largest personal technical file on rockets in the States also has a tremendously wide number of contacts in this field. Although I cannot vouch for him personally, I can say that I have always found his information reliable.

OD-B-3,099,825; 12 March 58

Source: US citizen, rocket engineer associated with leading US research laboratory, has wide international contacts.

Discussion with Lt. Col. Dr. Ing. Franco Fiorio, formerly Assistant Air Attache in the Italian Embassy in Washington, and now Washington representative of Centro Aeronautico e Atomico Italiano.

Because of my interest in Rolf Engel, the German rocket engineer now working in Italy, I asked Fiorio about the current work of SISPRE. Fiorio told me SISPRE is doing work on the only missile project now being given major support by the Italian Defense Ministry

According to Fiorio Engel's Italian associates regard him as a controversial and somewhat unreliable figure and that the remarks heard most often about Engel are that he goes wherever he can get the highest pay and that he has no real engineering talent of his own, but simply stole a lot of good drawings at the end of World War II. I should note here that Engel has been regarded as a highly controversial character in every job he has held since the end of World War II.

Check with Berlin Document Center 9 Sept. 1957

Rolf Engel born 10/8/1912 in Menn Kreis Ruppin/Meck.

EVALUATION OF REPORT
BY OSI
25 March 1958

*Probably true
of importance*
BOF 2685

Rolf Engel could not be considered as a space specialist. He is a specialist in solid propellants and small rockets. He probably has considerable background in small missiles, but is not believed technically qualified in large missiles and liquid rocket engines.

At the present time Engel is employed by the Bombrini Parodi Delfino a chemical firm. He is also employed on a consultant basis by SISPRE

Considering the positions of both Engel and Boelkow it is quite probable that they would engage in such meetings and be concerned with the Germany-France-Italy joint military development program. ~~XXXXXXXXXXXX~~

The French German and Italian Governments have been negotiating for some time to establish a joint military development program, which will include GUIDED MISSILES. AT A MEETING IN FEB. 1958, REPRESENTATIVES OF THE THREE COUNTRIES MET ON THIS PROBLEM, BUT NO FIRM COMMITMENTS WERE MADE OR A CTUAL WORK PLANNED.

IN LATE 1957 ENGEL ARRIVED IN ITALY AND BECAME ASSOCIATED WITH AN ELECTRONICS CONSULTANT NAMED SALZE. HE WAS EMPLOYED BY SISPRE AS A CONSULTANT AND LATER EMPLOYED BY BPD AS CHIEF ADVISOR ON ROCKETRY AND MISSILES.

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NAZI WAR CRIMES DISCLOSURE ACT
DATE 2003 2006

Rolf Engel

☐ ☐ File

EGMA 33793, 18 April 1958

Subject: UPSWING trace request on Ing. Rolf Engel and Family

Ing. Rolf Engel - born 10 August 1912 in Metz, Germany (France)
Addresses: Munich, Habsburgerstrasse 10 and Rome, Italy.

Wife: Daniela Engel nee Stippenberger, born circa 1922

Father-in-law: Dr. Georg Stippenberger, Munich

Mother-in-law: Edith Stippenberger

Brother-in-law: Emmanuel Stippenberger - employed by Montan Union

UPSWING's @MAURER in personal contact with Rolf Engel, a specialist in rocket and space engineering, who worked on rockets for the Wehrmacht in WWII and subsequently engaged in rocket research and production in France, Egypt and Italy. In both Egypt and Italy he worked in close cooperation with the armed forces.

UPSWING interest stems from derogatory information developed on Engel's family. Apparently, his mother-in-law and brother-in-law are both Communists and the mother-in-law allegedly accepted intelligence missions from the SED. Additionally his parents-in-law are divorced but continue to live together. The father-in-law is a free lance scientist and has been associated with Engel in various scientific projects in the past.

At the time ECLA 25209 was prepared, it is possible that UPSWING had not decided to reveal its operational interest in Engel.

COS no traces on Engel family.

☐ ☐ 15 May 1958. ☐ ☐ reply indicated that the only information of possible interest is an allegation (without further substantiating material) made to OBIEX in 1957 by a source of uncertain reliability that Engel was "in the pay of the French".

EGMA 33794, 21 April 1958

During recent meeting with @MAURER he noted he has been in touch with Engel on various occasions in the past, chiefly to obtain from him evaluations of overt type technical literature. MAURER also believes that Engel has operational potential in view of his close association with fnu Sedov, a prominent figure in the USSR guided missile field. MAURER added that Engel is presently employed by Bombrini - travels extensively through West Germany and Europe and maintains residences in Rome and Munich.

Ing. Rolf Engel, born 10 August 1912, in Metz, Germany (now France) residing in Rome and Munich. Employed during WWII in small German rocket factory. After the war, went to France, continuing in rocket work. In 1952 in Egypt for production of air to surface rockets for the Egyptian government.

In mid 1957 went to Italy. Is presently employed with Bombrini in Rome and working closely with the Italian General Staff. Bonn Defense Ministry refuses to employ him. Considers him unreliable and not trustworthy to handle confidential matters.

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NAZI WAR CRIMES DISCLOSURE ACT
DATE 2003 2006

INFORMATION REPORT

This material contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C. Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

PREPARED AND DISSEMINATED BY

CENTRAL INTELLIGENCE AGENCY

REPORT NO.

00- B-3,102,710

COUNTRY

Germany/France/Egypt/Italy

DATE DISTRIBUTED

18 Apr 58

SUBJECT

An Evaluation of the Activities and Professional Competence and Capabilities of Rolf Engel, German Rocket Engineer

NO. OF PAGES

2

NO. OF ENCLS.

SUPPLEMENT TO REPORT #

00-K-2149

DATE OF INFORMATION (Date or dates, on or between which, events or conditions described in report occurred)

Oct 57 and earlier

RESPONSIVE TO

PLACE AND DATE ACQUIRED (By source)

Germany and Barcelona, Spain, Oct 57 and earlier

OO/C- 26279

TTC 7860

G 56

(RDZ-705)

CD-7592

THIS IS UNEVALUATED INFORMATION

SOURCE US citizen, former German national and "paperclip" scientist.

Source is a civilian employee in the Preliminary Design Section of the Army Ballistic Missile Agency, Redstone Arsenal, Alabama.

The source of this information is normally available for further interrogation, should this report generate additional requirements.

1. I used to know Rolf Engel quite well back in Germany, and I have had a recent opportunity to visit with him during the Eighth Congress of the International Astronautical Federation held in Barcelona, Spain, in October 1957.
2. Rolf Engel was born around 1915 in Berlin, Germany. During 1930-1932 his mother was manager of the cafeteria at the Rocket Test Center Reinickendorf near Berlin and it was then that young Engel had his first contact with rockets. While still a high school student he became an assistant to Dr Winkler who was doing some experimental work on rockets. Later he entered the University of Berlin to study mechanical engineering, although he never managed to obtain a degree due to other commitments. During 1933-1936 Engel, with backing from the SA (Sturmabteilung - Storm Troopers), tried to organize his own research and development team, but he was unsuccessful.
3. In 1939 Engel became technical director of a small rocket test station in West Prussia (Versuchsanstalt Grossendorf). Here he carried on some development work on small rockets for the SS (Schutzstaffel - Elite Guard). This was his main assignment during World War II. Details of this operation never became known and it is doubtful if any developments were successful enough to reach the operational stage.
4. From 1947 to July 1952, Engel, with a few of his former associates, worked as a consultant for the French government in Paris.
5. In 1952 Engel went to Egypt and became technical director of the "Compagnie des Engins a Reaction pour Vol Accelere" (CERVA). This French-Egyptian enterprise was working on an Egyptian government contract to develop a small artillery rocket. It is not known whether the development was successfully completed, but it was not employed during the Suez crisis. The company was nationalized in 1956.
6. In the spring of 1957 Engel and his associates left Egypt. To the best of my information he is currently living in Rome, Italy, where he is a consultant to a group of Italian companies engaged in the development of an anti-aircraft rocket of the Nike-Hercules type. I do not know whether any of Engel's work concerns unguided rockets, and no studies are known to me to be available relating to the warhead or fusing of Engel's projects. Engel probably has contacts with French and German companies but the effect of these contacts on his work in Italy is not known by me.
7. Engel must be considered as one of the earliest rocket engineers with a good background in rocket history. He also has considerable management experience,

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- 2 -

but unfortunately he was never affiliated with one of the larger successful rocket development programs. Somehow he always managed to be in the wrong place in the development organization.

- end -

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AIR

(25-7-0)

MAY 15 1958

: Chief of Base, Munich

: Chief []

INFO: Chief of Station, Germany

- Operational/UPSWING

Chief, NEA

- Ing. Rolf * ENGEL

Chief, EE

REF: ~~ECMA-33793~~, dated 18 April 1958

ACTION REQUESTED: None; for information and files.

1. Ing. Rolf * ENGEL, a well-known rocket expert (c. mention of his name on page 12 of the 17 February 1958 international edition of "Time"), was Technical Director of the GERVA Rocket Company in Cairo from 1952 until May 1957. In 1957 he took up employment of a similar nature in Italy. Full details on his activities in Egypt should be obtainable from ~~OSWIFT~~ Tech Intelligence in Wiesbaden.

2. The only information of possible interest to Munich is an allegation (without further substantiating material) made to ~~OSWIFT~~ in 1957 by a source of uncertain reliability that ENGEL was "in the pay of the French".

10 May 1958

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COURIER

SECRET

EGMA-33920

Chief, CLS

18 July 1958

Chief of Base, Munich

INFO: COS
EE

UFSWING/Operations

Ing. Rolf *ENGEL and Family

REFERENCE: EGMA-33793, 18 Apr 58 CC - *alpha Rolf Engel*

ACTION REQUIRED: See Para 2.

1. Referenced dispatch requested traces on Subject and family who are involved in an UFSWING operation. CIC supplied traces on Subject and family, a portion of which is derogatory in nature. However, these derogatory traces were marked as not releasable to UFSWING.

2. It would be appreciated if you would discuss this matter with the appropriate CIC official and request approval for passing the derogatory information pertaining to communist affiliations to UFSWING since it directly affects the security of one of their operations. If all of this information can not be released please indicate which portions can be passed.

3. In your discussions with CIC you may assure them that every precaution will be taken to see that this information will not get back to Subject and that the information released will not be attributable to CIC.

Approved by:

Distribution:

2 - CLS
2 - COS
2 - EE

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PERTINENT INFORMATION

14. ENGEL, ROLF
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COUNTRY	United Arab Republic/Germany	REPORT NO.	CS
SUBJECT	Rolf Engel, German Engineer Formerly Employed in Cairo	DATE DISTR.	
		NO. PAGES	
		REFERENCES	RD
DATE OF INFO.	1961 - 1962		
PLACE & DATE ACQ.	Austria, Vienna (3 April 1963)	FIELD REPORT NO.	

THIS IS UNEVALUATED INFORMATION. SOURCE GRADINGS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

SOURCE: German technician (F) friendly with Engel. Appraisal of Content: 3.

1. Graduate engineer (Dipl. Ing.) Rolf Engel worked in the field of rockets and guided missiles at Peenemünde during World War II. After the war he worked with other German rocket specialists for the French S.N.E.C.M.A. organization. Subsequently he went to Egypt to work with other Germans on the development of rockets of the "Veronica" type. In mid-1961, during a visit to Germany, Engel was approached by unidentified Israeli agents and advised to discontinue his work in Egypt because the continued rocket production in the UAR would result in an armed conflict with Israel. Engel thereupon cabled his wife in Cairo to join him in West Germany immediately. The Engels did not return to Egypt, and left all their possessions there.
2. As of early 1963 Engel was engaged in development work on the "Cobra" anti-tank rocket, a joint project of Ludwig Bölkow K.G., Munich, and Contraves A.G., Zurich.

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 OCC SCIENTIST
 Δ ITALY, ROME, 2A VIA M MALPIGHI
 ONE OF THE ORIGINAL FOUNDERS OF THE GERMAN
 ROCKET SOCIETY AND AN EARLY COLLABORATOR OF
 WERNER VON BRAUN. MOTIVATING FORCE BEHIND THE
 FORMATION OF THE EGYPTIAN ASTRONAUTICAL SOCIETY.
 ENGAGED IN CONSULTATIVE WORK IN AVIATION AND
 ROCKETRY. ADDITIONAL INFO.

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