DEFENSE POW/MIA ACCOUNTING AGENCY The Ploiești Unknowns Project

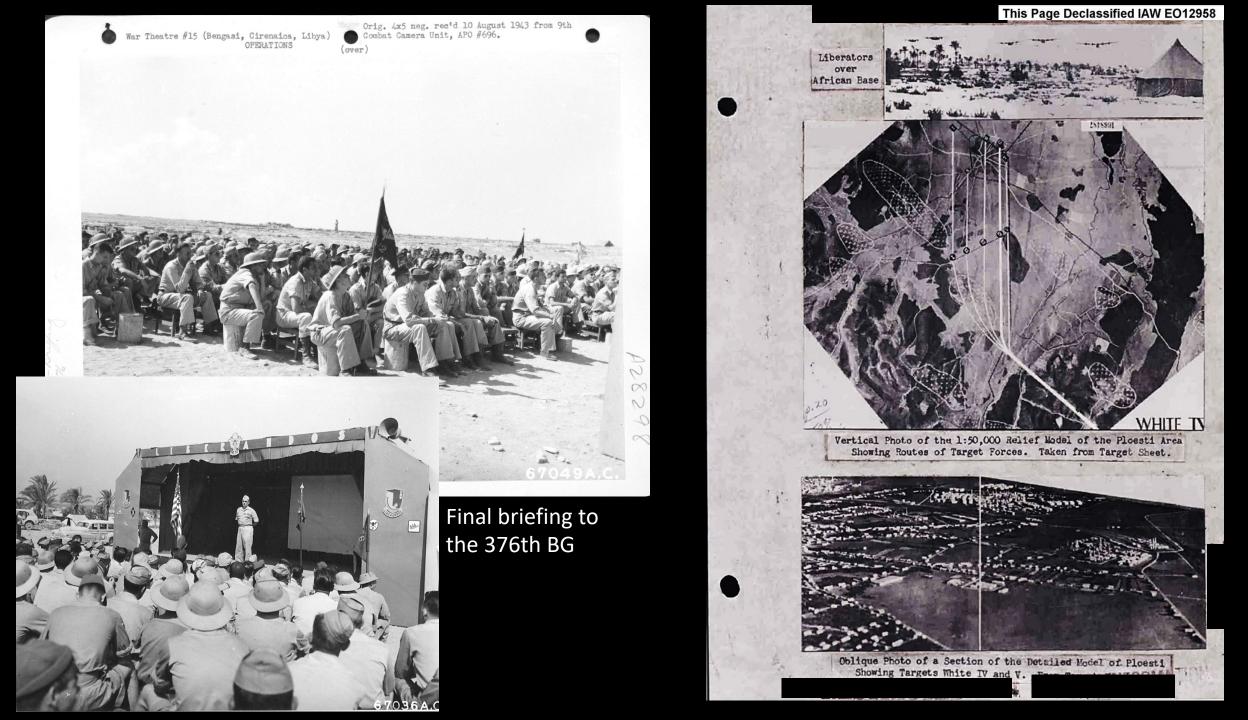


Fulfilling Our Nation's Promise

Operation TIDAL WAVE

- August 1 1943
- Initially code-named Operation SOAPSUDS
- Attacked oil refineries in Ploiești, Romania
- Intended to deprive German forces of 1/3 of oil supply
- First large-scale, low-altitude attack by U.S. heavy bomber aircraft
- 225 U.S. Airmen killed during Operation TIDAL WAVE

Five Bombardment Groups 44th 93d 98th 376th 389th Saarbrücken Stuttgart Danube UKRAIN SLOVAKIA Vienna Bratislava Dnipropetro Munich * *Bern SWITZ Ljubljana MOLD: Budapest WITZ. HUNGARY Ljubljana. Zagreb Chişinaŭ ROMAND Ploiesti, Romania yon • 4807 m BOSN. & Belgrade • Torino Bucharest SAN MARINO SERBIA ITALY Black Sea Marseille MONT Prishtina Sofia Podgorica Skopje BULGARIA ALBANIA MACED. Istanbul KUZEY AN ABOLU DA Sea of Marmara Bursa Ankara Thessaloniki Tyrrhenian Izmir TURKEY GREECE Palermo Konya. TOURUS MOUNTAINS Tonian Athens Gaziant Sea Tunis Antalya Adana MALTA Mediterranean Sea Lefkosia (Nicosia, Lefkoșa) CYPRUS TUNISIA Beirut Damascu Tripol Benghazi, Libya ISRAEL Tel Aviv-Yafo W.B. Amman Banghazi Alexandria 0 120 240 Cairo Kilometers ElGiza 1:14,006,499





This Page Declassified IAW EO12958

TABLE I.

TARGETS AND TARGET FORCES PLANS*

Target	Refinery	No. of Key Instls.	Order of Import.	A/c Alltd.	Place in Form.	Flight Plan over Target	Group Assgd.	Commander and Leader
White I	Romana Americana	6	3	24,	1	4 waves of 6 a/c	376th	Col. Compton Lt. Flavelle
White II	Concordia Vega	6	2	21	2	3 waves of 6 a/c 1 wave of 3 a/c	934	Lt. Col. Baker Maj. Brown
White III	Standard Petrol Block Unirea Speranta	3	5	1.2	3	4 waves of 3 a/c	93d	Lt. Col. Baker Maj. Potts
White IV	Astra Romana Unirea Orion	1.0	1	40	14	4 waves of 10 a/c	98th	Col. Kane Capt. Young
White V	Colombia Aquila	6 (3)	7	15	5	5 waves of 3 a/c	44th	Col. Johnson Maj. Brandon
Blue	Creditul Minier (Brazi)	3	6	18	6	3 waves of 6 a/c	. 44th	Lt. Col. Posey Capt. Diehl
Red	Steaua Romana (Campina)	7	4	21,	7	8 waves of 3 a/c	389th	Col. Wood Capt. Caldwell

^{*} The Ploesti Mission was planned on the basis of 154 aircraft participating. Actually, 177 successfully took off. The 23 spares appear to have been distributed among the seven target forces, as follows: White I, 4; White II, 4; White III, 0; White IV, 6; White V, 2; Blue, 2; and Red, 5.

were received from the U.K. during the period and 1 from the Air Samulas Command. The medical reason for so many non operation were received from the U.K. during the period and I from the Air Service Command. The principal reason for so many non operation A/C was the lack of engines. Two days had been allotted for main tenance at the beginning and end of the maintenance period.

Engines were allow in arriving, but by D-2 sufficient engines tenance at the beginning and end of the maintenance period.

Engines were allow in arriving, but by D-2 sufficient engines
were on hand for all sircraft, but very little time to make the
installations. By late afternoon on D-1, 193 aircraft were in were on hand for all sircraft, but very little time to make the installations. By late afternoon on D-1, 193 aircraft were in commission for the mission out of a total of 202. Three A/2 had been reactive. commission for the mission out of a total or 202. Three AV to been badly damaged during practice. Engines had not been received

Observations on the Execution of the Attack Flan.

Aircraft taking off and reaching target.

On D-day 178 aircraft took off, one crashed and burned in trying to return to field after take- off, 1 crashed enroute to target, the target.

Let under the target of the target of the target of the target.

- (1) The assembly was accomplished on time by all but the 93rd Group a part of which was late in taking off due to dust on the airdrome. This Group was able to gain its position in the formation by the time Corfu Island was reached. on the airgrome. This Group was able to gain its position in the formation by the time Corfu Island was reached.
- Shortly after leaving the Greek coast towering cumulus clouds from 10,000 to 15,000 feet made it difficult to follow the leading Group which was firing on ton. The 3rd Group elected from 10,000 to 15,000 feet made it difficult to Ioliow the leading Group which was flying on top. The 3rd Group elected to go under the clouds at this point thereby destroying the formation and causing the last three Groups to arrive 30 to go under the clouds at this point thereby destroying the formation and causing the last three groups to arrive 30 formation and causing the last three Groups to arrive 30 minutes late at the target. Upon arrival at the Danube the weather cleared and the leader was aware for the first time weather cleared and the leader was aware for the first time that only two groups were together. He elected to continue with this force and carpy out the attack. No enemy constitution was anount and anount to the target. No enemy opposition The attack.

The leading Group flying at tree top level turned short of the IP passing west of Ploesti and did not realize the mistake P passing west of Ploesti and did not resulte the mistake ntil in the outskirts of Eugarest. The second Group had the plant of the plan atil in the outskirts of Bucarest. The second Group man allowed the first in accordance to plan. The leader then attack Howed the first in accordance to plan. The leader then ned to the north and gave instructions that the attack Id be made from the south instead of the northwest as inally planned. The aircraft were st tree top level during time and mavigation was very difficult. The results of time and navigation was very difficult. The results of tack were that Target White #1 was missed entirely, but II, III, IV and V and possibly Blue were hit. These turned west after leaving the target just as the last arcording to plan with excellent results hitting and Mite IV. White V and Blue.

J. BHITE FIVE ALREADY IN FLAMES BOMBED THROUGH SMOKE ON RE-COGNIZED STACKS ON TARGET BOTH DESTROYED. K. STRATO CUMULUS HIGH VISTBILITY GOOD EXCEPT FOR SMOKE SCREEN. L. INTENSE MACHINE GUN AND LIGHT FLAK MEAVY FLAK AT MINIMUM ELEVATION BETWEEN INITIAL POINT AND TARGET M. NUMEROUS CATEGORY A RE-TURNED SHIPS DAMAGE TO 14 UNREPORTED AIRCRAFT UNDETERMINED. N. 18-20 D. UNDETERMINED. P. 13 DESTROYED NO PROBABLES ONE DAMAGED. Q. 23 B 24 D'S LANDED BENINA MAIN 14 UNREPORTED 1800GUT S. 23 T. ONE B 24 BARRED W LANDED. SGT KEYS

CYPHER MESSAGE

A. 44 HOMB GROUP B. 37 B 24 D'S C. BENINA MAIN D. OASOGMT

E. POESTI BLUE AND WHITE FIVE. F. 37 IN AREA G. BLUE 1210

OUT WHITE FIVE 1213 OUT H. 120 TO 250 FEET. 1. 48 X 500

POUND GENERAL PURPOSE 139 X 1000 POUND GENERAL PURPOSE 22

BOXES INCENDIARIES TAXING NO ACCOUNT OF UNREPORTED PLANES

TO - IX SOUNDER COMMAND-NINTH USAF ALL GROUPS AND DATE AND AGE SQUADRONS.

REF1 D 6 AUGUST 1

DECLASSIFIED Authority AND 968133

R.A.F. Form 683

BECUSSIFIES

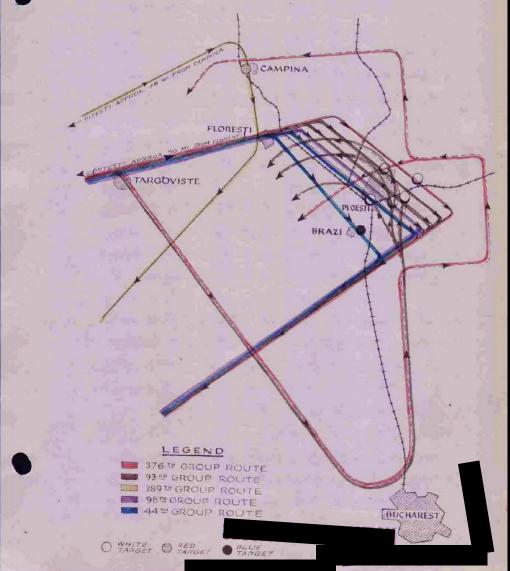
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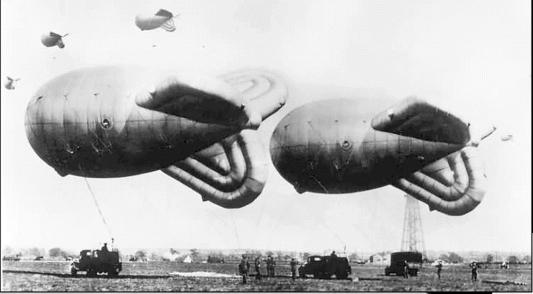
189

Serial No.

MONEY MAND SLEYS 3

THE ATTACK AS PLANNED AND AS EXECUTED





4x5 negs. rec'd 11/5/43 from "Air Force" Editorial Office, 101 Park Ave., N.Y. Used in Nov., 1943 issue of "Air Force" Mag.

176910



NO.5-CREWMEN SOON FOUND TARGETS IMPERCEPTIBLE OWING TO DENSE SMOKE NOTE SMOKE POTS ALONG ROAD IN LOWER PART OF PHOTO.

INDEXED

Attack on Ploesti, Rumania. Smoke pots fired by the enemy obscured some of

German anti-aircraft tactics

War Theatre #12 (Ploesti, Rumania) - CAPTURED MATERIAL

Print rec'd Dec 44 from Publications Sec., AC/ AS Intelligence. Used in Dec 44 issue of Imract Copied 12/14/44. Stamped: No Obj. to Pub., BPR 12/23/44 (1) W.D.



55240 AC

Sheet No.	Oprep. Ref. No.	Date Aug. 1,1943 Squadron 343rd			
Type of Aircraft B-24 Aircraft No. 896 Aircraft Letter		P-Lt. Col. Bleyer, Julian M., Captain CP-Lt. Watt, David S. Crew M-Lt. Parker, Charles M. B-Lt. Runsey, Jack H. AR-T/Sgt. Burton, Russell E. R-T/Sgt. HcCom, Bobby E. G-S/Sgt. Beauregard, Francois (h			
Time Up 4:10		G-S/Sgt. Kozak, Frank B. G-Sgt. Loeke, Rebert B.			
Time Down 18 s1	10				
Total Time 14:00		Photo-G-T/Sgt. Jeswick, Jerry Aerodrome or L.G.			
Total Table 14100		Lete			
Type of Cloud	Cumulus	Map or Chart			
Amount of Cloud	4/10ths	Reference			
Base of Cloud 6	- 7,000				
Visibility	10 miles plus				
General Weather	lood				

Rec'd 8/17/48 from Capt. H. Higgins, BPR, Copied 8/18/43

PP-Boiler house (also cracking house)

Narrative

B-24 down in water in flames.

Made run of 127° for 120 seconds, dropping 6 x 500 . bombs, fusing M124 with 1 hour delay in close toggle train. boxes of Mark III (120) incendiaries out over target. Aiming point-boiler and cracking house, Astra Romana refinery. Observed bombs to hit short and to dkip into target. Some bounced right thru target. Observed some bombs to go thru protective walls.

target.

On approaching the target very great amount of small calibre A/A was being thrown up. Large black bursts of A/A followed formation, bursting just above. Bursts were smaller than high Alt. A/A. The target area was surrounded on north by smoke pots, and dense black make covered target area from burning oil tanks. Oil train setting at about U-14 was burning, probably as a result of A/A fire. Observed total of 5 to 7 B-24's down in

Pursuit, Fighters attacked in three waves. 1st larg wave of Me 110's, 109's and Me202 attacked just after bombs were dropped. Our a/c at \$ 0 alt. and the enemy a/c had to break off attacks above our formation and pull up. Sgt. McCown, top tur-ret gunner shot down 1 Mell0, 1 Mel09 and 1 (Mel09 or Heinkel) Sgt. Beauregard shot down one Mel09.

2nd wave of fighters attacked at 38 20 N 19 40 E at about 15:40 G.M.T. Lt. Gunn in 364 "Y" was shot down at 13:40, saw about four men bail out, plane was on fire them it exploded and broke up. Lt. Darlington in 840 "P" was shot down at 13,50, two engines out on same side. Ten men bailed out. Th fighters came up from behind. Sgt. Kezak shot down 1 FW 190 and 2 unidentified a/c. Sgt. Beauregard shot down 1 Me 109. Sgt. Looke shot down one Me 109.

everse) to be completed according to relevant pro-forms in H.Q. R.A.F. M.E. Instruction 34.

_Jul-Sep1943,"Air Force Historical Research Agency, Maxwell Air Force Base, AL Page 243 of 624



UD 0 CH U4) (2-4-41) (PLOEST!)

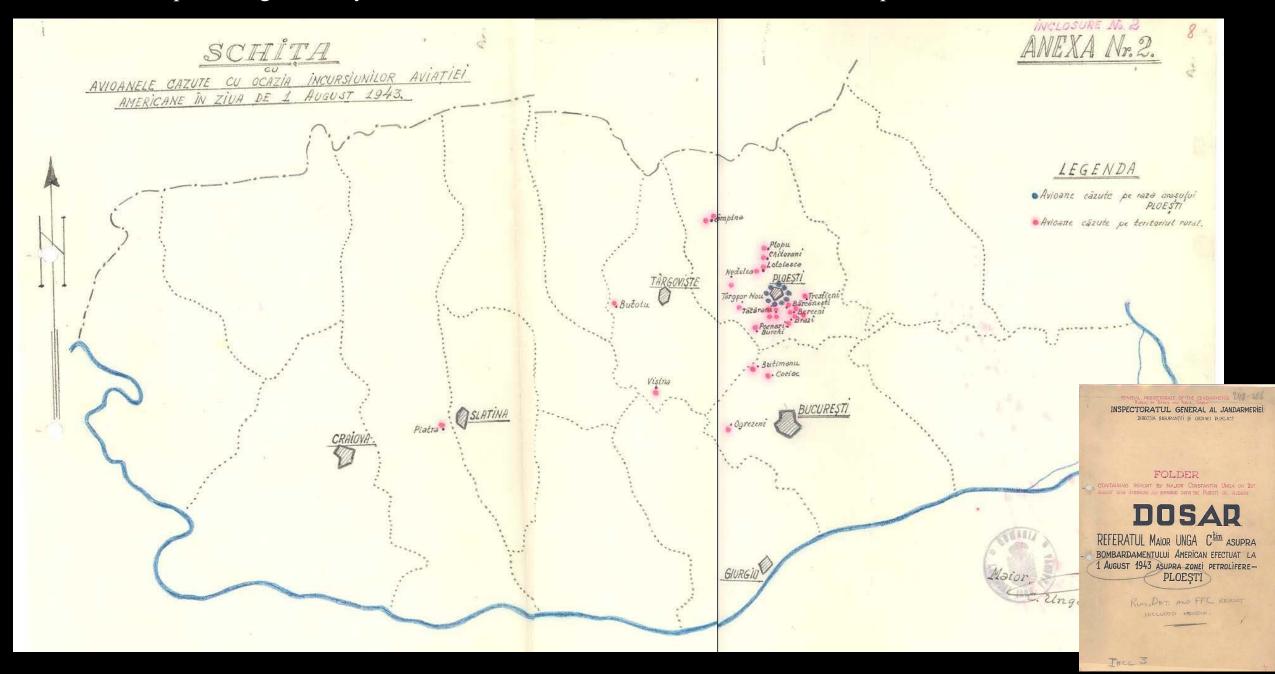
a Aquila Refinery- Oil storage tanks at the Columbia Aquila y in flames, with another wave of Consolidated B-24 eirplanes. Fourteen American planes are visible in this shot. The plants was an important target.

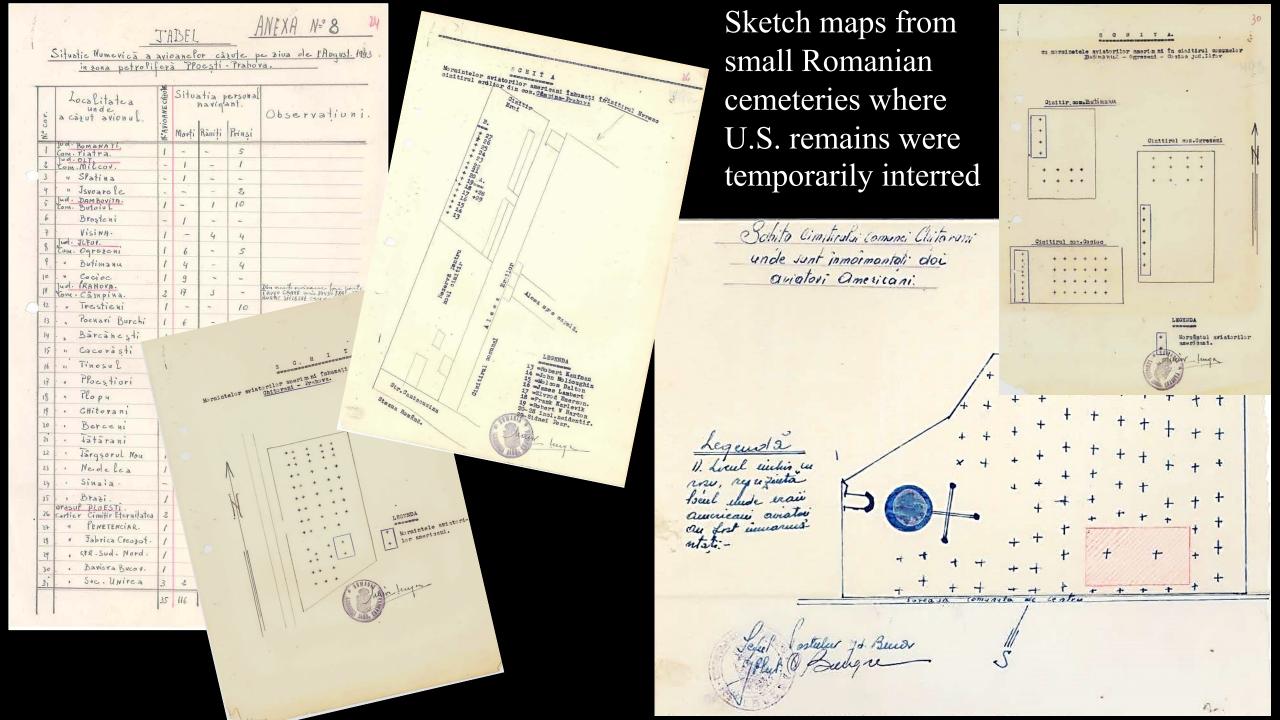
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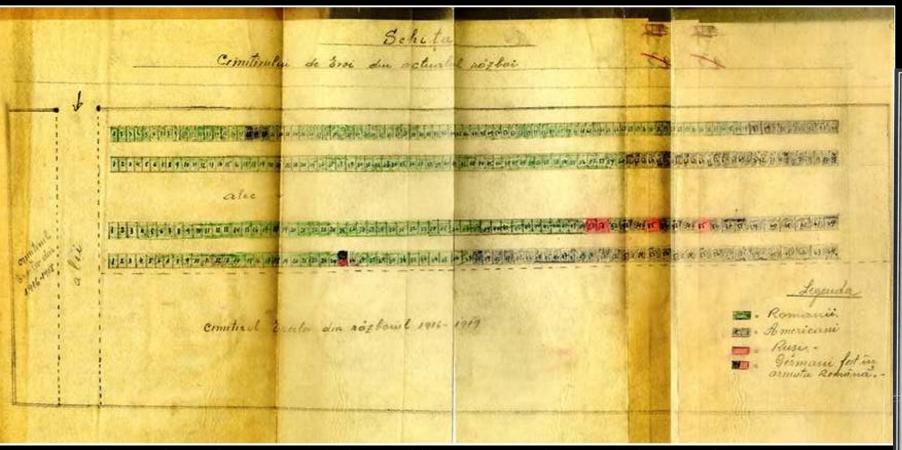
THEATRE #12- Ploesti, Rumania (Bomeins)

Observed three (3) barrage baloons after passing over

1947 sketch map marking the many cemeteries in Romania were U.S. Airmen killed in Operation TIDAL WAVE were interred.

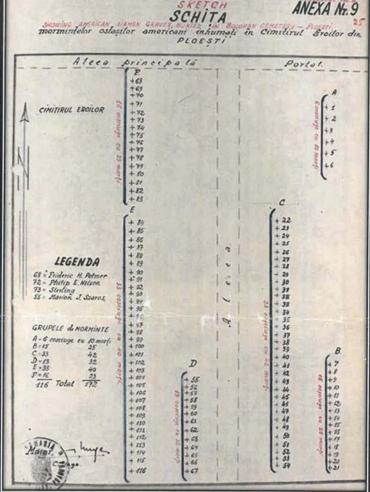




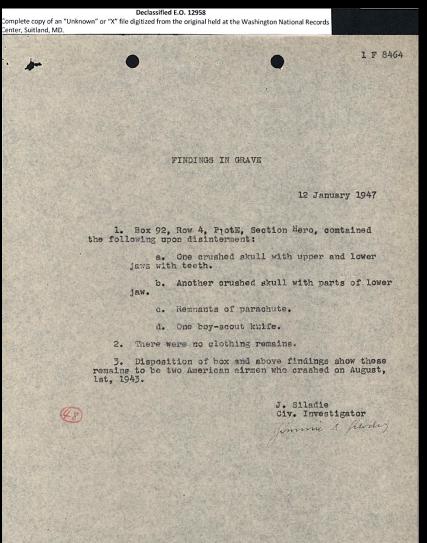


Romanian sketch map of the military section of the Bolovan Cemetery, Ploiești showing the graves of Americans, Romanians, Russians, and Germans.

Sketch map created from the exhumations of American graves at Bolovan Cemetery, Ploiești in 1946-1947.



Inventory of a casket upon exhumation by Romanian and American authorities in 1946-1947.



Declassified E.O. 12958

Complete copy of an "Unknown" or "X" file digitized from the original held at the Washington National Records
Center, Suitland, MD.

REPORT OF INVESTIGATION

1 F 8464 (A), B.

TION

AREA SEARCH

AGRC Form 10 (Revised)
1 January 1946.

NAME Unknown X-5141 RANK Unknown ASN_
ORGANIZATION Unknown A.A.F.

MEANS OF IDENTIFICATION None State of the None S

(All statements above this line will be completed, upon final at the unit processing point.)

SECTION A - GENERAL (To be completed by investigators in all c

1. Was positive identity acquired for the deceased through the si
If so, state the following information:

a. NAME_____RANK____

b. ORGANIZATION _

2. Was partial identification established? No If so believe the deceased to be: Common grave of :

a. NAME Unkns X-129 and X-130 RANK

b. ORGANIZATION Uncertain

3. NAMES OF OTHER DECEASED BURIED IN IMMEDIATE

Common grave of : X-131, X-132 and X-133; L

(Use reverse side for listing of crew members fro

a. Date of above burials 3 August 1943 Common Grave



-1-

Typical AGRC recovery report form

omplete copy of an "Unknown" or "X" file digitized from the original held at the Washington National Re enter, Suitland, MD.							
	YEA					RAM	

-	near Ploesti sX2649 Bucare
15.	Where was the place of death? Coords 1/250,000 Give basis Roumanian information
16.	Where were the remains found? near crashCoords
	a By Whom? Roumanians
	b. Is sketch attached?
17.	Was a casket used? Yes Who furnished the casket? Roumanians
	Type of casket How marked ?
18	Who made the burial Roumanians
	(Civillar, American Mil, or German Mil) Local Roum, authorities
	a. What are the names and addresses?
	Comments Comments
	b. Are certificates and statements attached? Yes TION B-AIR CORPS DECEASED (To be Completed only if Deceased is believed to be a memb of the AAF). Were remains found in the plane wreckage? Unkn
	TION B-AIR CORPS DECEASED (To be Completed only if Deceased is believed to be a memb of the AAF).
	TION B-AIR CORPS DECEASED (To be Completed only if Deceased is believed to be a memb of the AAF). Were remains found in the plane wreckage? Unkn a. Give location in plane from which the bodies were removed
SEC 19.	TION B-AIR CORPS DECEASED (To be Completed only if Deceased is believed to be a memb of the AAF). Were remains found in the plane wreckage? Unkn a. Give location in plane from which the bodies were removed (Tail gunner, pilot, radio, turret, ctc., or front, side, of plane)
19.	TION B-AIR CORPS DECEASED (To be Completed only if Deceased is believed to be a memb of the AAF). Were remains found in the plane wreckage?
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19.	TION B-AIR CORPS DECEASED (To be Completed only if Deceased is believed to be a memb of the AAF). Were remains found in the plane wreckage? Unkn a. Give location in plane from which the bodies were removed (Tail gunner, pilot, radio, turrer, ctc., or front, side, of plane) b. Near wreckage? Scene of crash must be investigated. Give complete results of Investigation (if removed, sta when and by whom). a. Type of Plane Unkn
19.	TION B-AIR CORPS DECEASED (To be Completed only if Deceased is believed to be a memb of the AAF). Were remains found in the plane wreckage?

American Graves Registration Command (AGRC) technicians preparing equipment to examine remains

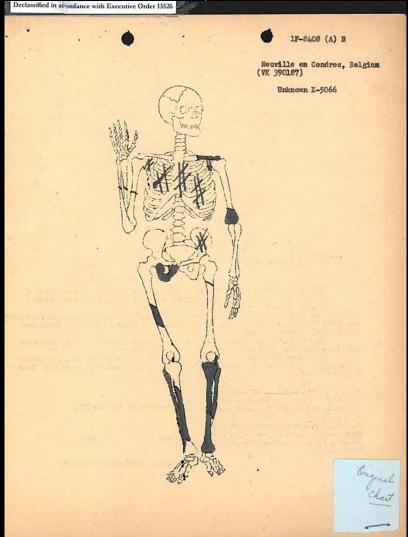


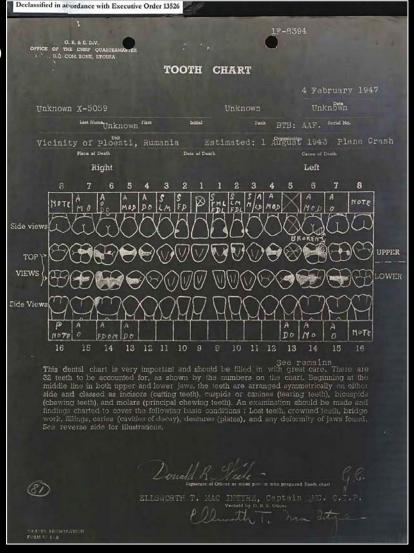
German POWs excavating graves at a temporary U.S. cemetery in Europe

Example of a skeletal chart for an unidentified

set of remains recovered from Bolovan

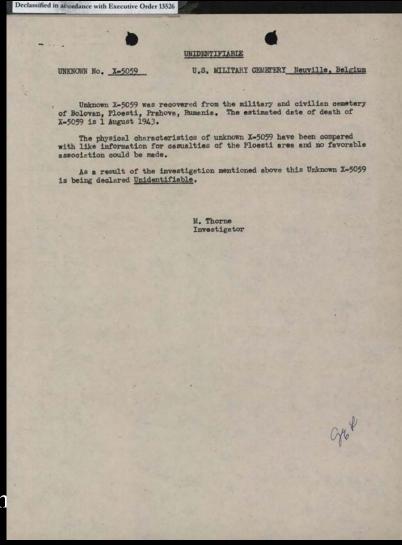
Cemetery, Ploiești (Portions in black are missing)





Example of a tooth chart for an unidentified set of remains recovered from Bolovan Cemetery, Ploiești

Example of a declaration that remains recovered from Bolovan Cemetery, Ploiești are determined Unidentifiable



Ardennes American Cemetery in Belgium

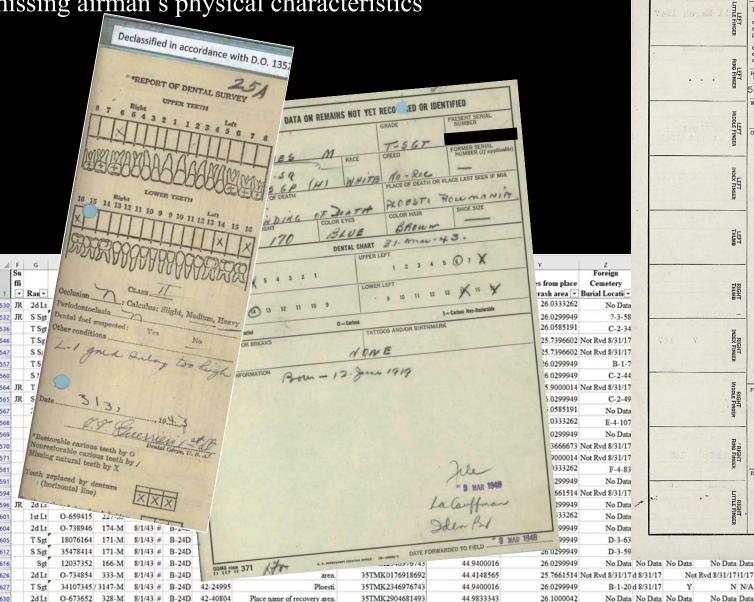




Cross Marker on the grave of an Unknown U.S. Service Member Killed in WWII Plot Area at Henri-Chapelle American Cemetery in Belgium



Example of a routine dental survey from the IDPF of a missing airman and an AGRC data collection chart of a missing airman's physical characteristics

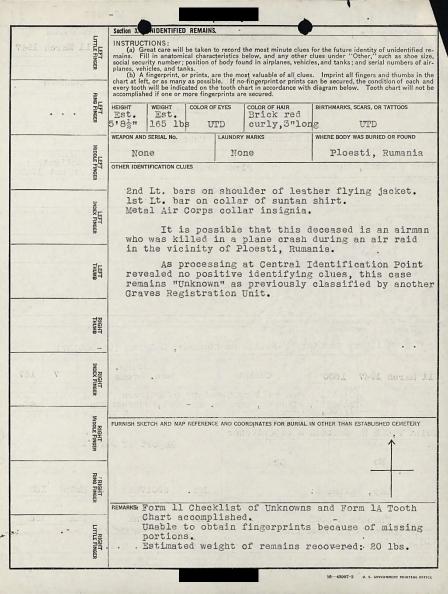


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N N/A

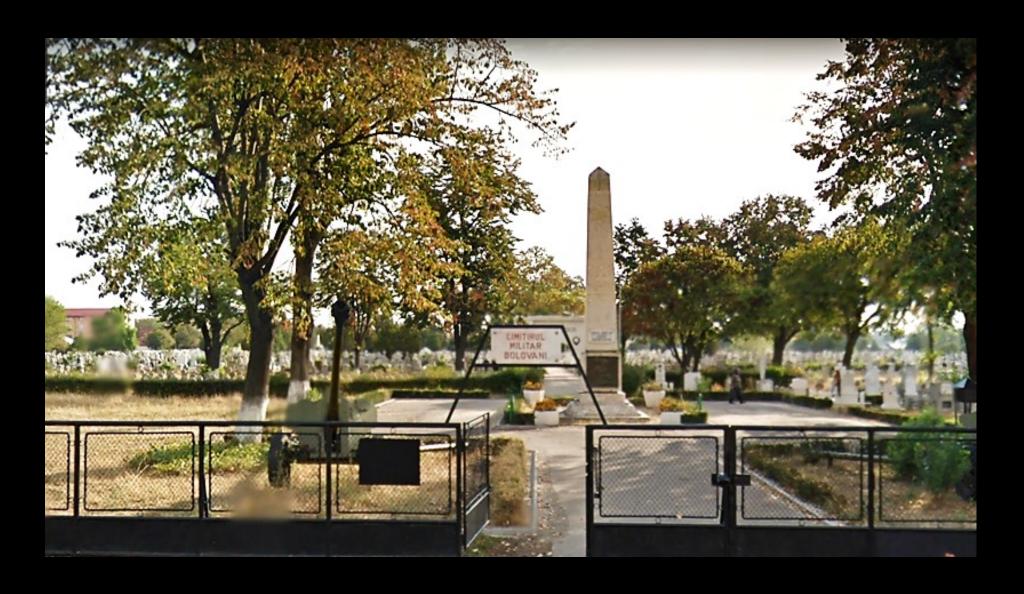
N N/A

No Data Data

Declassified E.O. 12958 omplete copy of an "Unknown" or "X" file digitized from the original held at the Washington National Records

> Example of an AGRC Report of Interment of an unknown





Entrance to Bolovan Cemetery



2d Lt Earl Ferguson



1st Lt Joseph Finneran



Sgt Howard Gotts



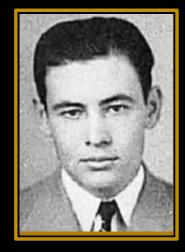
2d Lt William Harth, Jr



T Sgt Max Lower



S Sgt Charles McMackin



T Sgt Frank Norris



S Sgt Vincent Politte



T Sgt Alfred Turgeon