Dallas inventory there 3) 62-109066-3659 4) 11 11 - Puntun 7/7/44 5) 11 (aur 8/12/44) 6) Conduced to Belmont 12/4/63 7 62-108060-2845 8) 105-82555-12/2/68 9)62-109060 - 466 10)100-10411 - 6597 10)89-43 - 905? 11)89-43 - 905? 12)100-10461-4034 12) 100 - 10461 - 40/34 13) 100 - 10461 - 7467 13) 100 - 10461 - 7467 14) 100 - 10461 - 6537 15)89-43-8569 15)89-43-2592 16)89-43-2592

FB1 Date: 1/7/77 unamit the following in (Type in plaintext or code. TELETYPE FM DALLAS (89-43) (P) TO DIRECTOR (62-117290) PRIORITY BT EFTO ATTN: GENERAL INVESTIGATIVE DIVISION, CIVIL RIGHTS SECTION, CONGRESSIONAL INQUIRY UNIT. HOUSE SELECT COMMITTEE ON ASSASSINATIONS. RE BUREAU TELETYPE TO ALL SACS, JANUARY 6, 1977. RESULTS OF FILE INVENTORY, DALLAS DIVISION, AS FOLLOWS: 1. ASSASSINATION OF PRESIDENT JOHN FITZGERALD KENNEDY, DALLAS, TEXAS, NOVEMBER 22, 1963, MISCELLANEOUS - INFORMATION CONCERNING. OO: DALLAS, BUREAU FILE 62-109060. DALLAS FILE 89-43. THE DALLAS OFFICE IS OFFICE OF ORIGIN IN CAPTIONED CASE. THIS FILE CONSISTS OF 122 VOLUMES, INCLUDING NINE VOLUMES. OF NEWSPAPER CLIPPINGS. THE 122 VOLUMES CONTAIN 9930 SERIALS, WITH MANY INDIVIDUAL SERIALS CONTAINING NUMEROUS PAGES. THE Dallas -43-99.58 hurge

in diase	FB1 Date:
Tean	
6.6.0040	amit the following in (Type in plaintext or code)
ـ ⊷.	(Precodence)
	DL 89-43 PAGE TWO
	ABOVE VOLUMES ARE APPROXIMATELY 13 LINEAR FEET IN SIZE.
	THIS FILE ALSO CONTAINS 301 EXHIBITS WITH MANY INDIVIDUAL
	EXHIBITS CONTAINING NUMEROUS PHOTOGRAPHS AND OTHER DOCUMENTS.
· ·	THE EXHIBITS ARE APPROXIMATELY TWO LINEAR FEET IN SIZE.
	2. LEE HARVEY OSWALD, AKA; INTERNAL SECURITY - RUSSIA -
	CUBA. OO: DALLAS. BUREAU FILE 105-82555, DALLAS FILE 100-
	10461.
	THE DALLAS OFFICE IS OFFICE OF ORIGIN IN CAPTIONED CASE.
	THIS FILE CONSISTS OF 105 VOLUMES, INCLUDING SIX VOLUMES
2	OF TRANSLATIONS, THREE VOLUMES OF INVENTORY WORKSHEETS, AND ONE
	VOLUME OF OSWALD WRITINGS. THE 105 VOLUMES CONTAIN 9360
	SERIALS, WITH MANY INDIVIDUAL SERIALS CONTAINING NUMEROUS
	PAGES. THE ABOVE VOLUMES ARE APPROXIMATELY 13 LINEAR FEET IN
1	SIZE. THIS FILE ALSO CONTAINS 498 EXHIBITS, MANY INDIVIDUAL
	EXHIBITS CONTAINING NUMEROUS PHOTOGRAPHS AND OTHER DOCUMENTS.
	THESE EXHIBITS ARE APPROXIMATELY 24 LINEAR FEET IN SIZE.
	IN ADDITION TO THE ABOVE EXHIBITS, ADDITIONAL BULKY EXHIBITS
	CONTAINING NUMEROUS PHOTOGRAPHS AND OTHER DOCUMENTS AS WELL AS
	COPIES OF WARREN COMMISSION EXHIBITS ARE LOCATED IN A SECURE
	METAL CABINET WITH THE TOTAL VOLUME OF THESE EXHIBITS BEING

eren (2000) A Marine (2000) A Marine (2000)

GPO : 1015 O - 600-003

.

FBI Data:

(Type in plaintext or code)

(Precedence)

DL 89-43 PAGE THREE

CD-36 (Rev. 2-14-74)

Transmit the following in ...

Via

444

1. 124

Auprovod: _

Sata Man Wester and

Special Agent in Charge

APPROXIMATELY 15 CUBIC FEET.

3. MARINA NIKOLAEVNA PORTER, AKA, MARINA OSWALD, IS-R, OO: DALLAS, BUREAU FILE 105-126032, DALLAS FILE 105-1435.

THE DALLAS OFFICE IS OFFICE OF ORIGIN IN THIS CASE. THIS FILE CONSISTS OF ONE VOLUME CONTAINING 182 SERIALS. THIS FILE CONTAINS FOUR EXHIBITS IN THE SUB A SECTION.

4. JACK L. RUBY, AKA; LEE HARVEY OSWALD (DECEASED) -VICTIM. CR. BUREAU FILE 44-24016, DALLAS FILE 44-1639.

THE DALLAS OFFICE CONDUCTED THE PRIMARY SUBSTANTIVE INVESTIGATION IN CAPTIONED CASE. THIS FILE CONSISTS OF 94 VOLUMES, INCLUDING SEVEN VOLUMES OF NEWSPAPER CLIPPINGS. THESE 94 VOLUMES CONTAIN 6455 SERIALS, WITH MANY INDIVIDUAL SERIALS CONTAINING NUMEROUS PAGES. THE ABOVE VOLUMES ARE APPROXIMATELY 11 LINEAR FEET IN SIZE. THIS FILE ALSO CONTAINS 186 EXHIBITS, WITH MANY INDIVIDUAL EXHIBITS CONTAINING NUMEROUS PHOTOGRAPHS AND OTHER DOCUMENTS. THE EXHIBITS ARE APPROXIMATELY FIVE LINEAR FEET IN SIZE.

5. THE PRESIDENTS COMMISSION ON THE ASSASSINATION OF

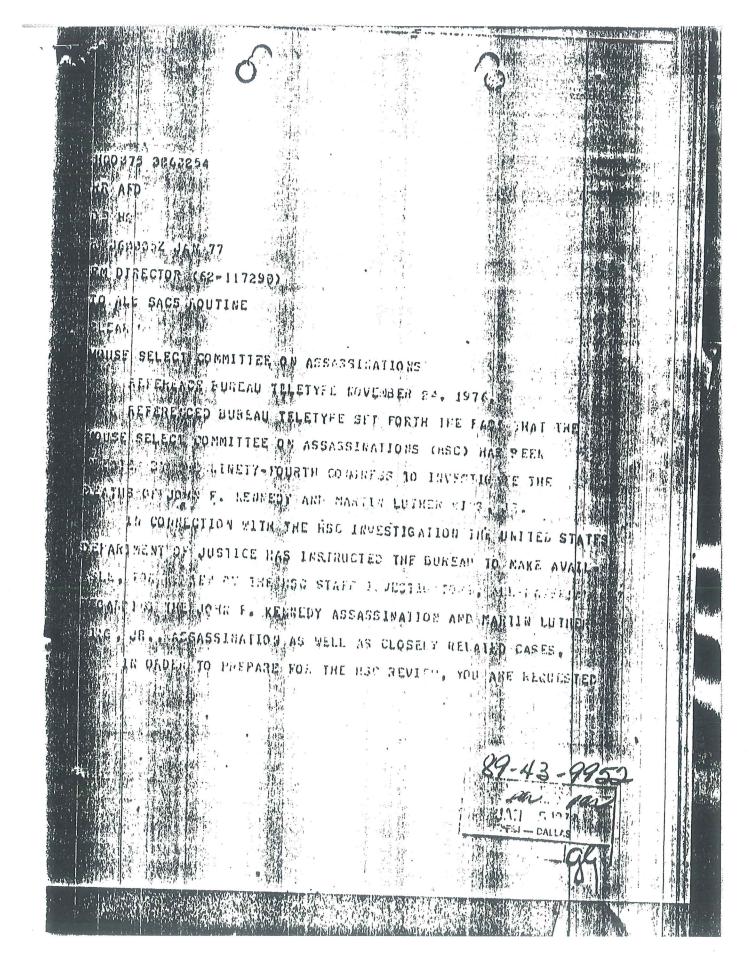
hant

.1.

GPO : 1075 0 - 600-003

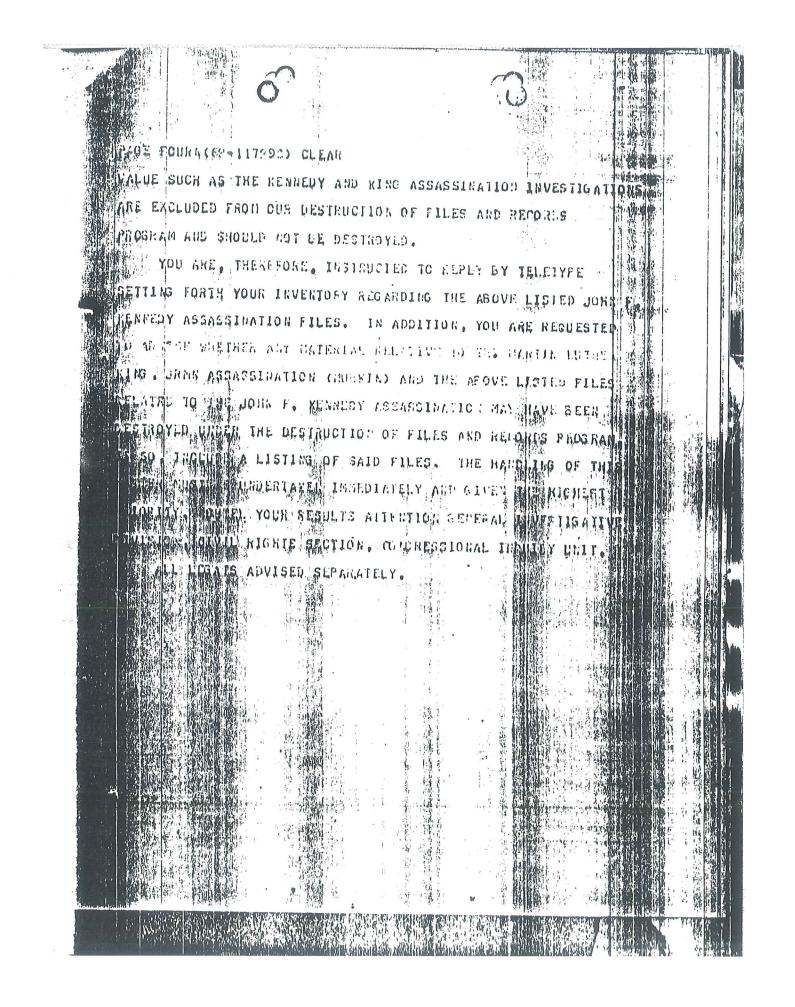
1-36	(Hev. 2-14-74)	
≈ .¥	F B. (
Tranag	Date:	
	ait the following in (Type in plaintext or code)	
Via	(Precedence)	
	DL 89-43 PAGE FOUR	-
	PRESIDENT KENNEDY. BUREAU FILE 62-109090. DALLAS FILE	
	62-3588.	
	THE DALLAS OFFICE SUBMITTED ROUTINE COMMUNICATIONS.	
	A REVIEW OF THE 26 VOLUMES CONTAINING THE RESULTS OF HEARINGS	
."	BEFORE THE PRESIDENTS COMMISSION IS SET FORTH IN THIS FILE.	
· .	THIS REVIEW WAS CONDUCTED BY SAS OF THE DALLAS OFFICE.	
	THIS FILE CONSISTS OF TWO VOLUMES CONTAINING 189 SERIALS.	
е. 	THE ONLY EXHIBITS IN CONNECTION WITH THIS FILE ARE BOOKS	
	DEALING WITH THE PRESIDENTS COMMISSION AND TWO AFFIDAVITS	
1.5	FROM SAS OF THE FBI.	
5	. Sector and provide the sector of a sector of the	
		r
		10
		ηĿ
		r
		10
		,
	and the second of the first state and the second of the state of the state of the second of the seco	TE
:		
٨٥	provod:	
	Special Agent in Charge	
Mane	CPO : 1075. 0 - 606-601	

	(Rev. 2-14-74)
() 例	FBI
	Date,
Тгылып	It the following in
	(Type in plaintext or code)
V M	(Pracadunca)
	DL 89-43 PAGE FIVE
14 A.	atorial and a first a first a first a first a standard and an and the rest of the rest and a first and
	and the production of all statements of the second and the
	a re-sumption of the second strategy and the se
	an an and the product of the state and the state of the
	FOR THE ADDITIONAL INFORMATION OF THE BUREAU, THE DALLAS
	OFFICE HAS ESTABLISHED A SPECIAL JOHN F. KENNEDY ASSASSINATION
	FILES INDICES CONSISTING OF APPROXIMATELY 40 LINEAR FEET OF
	3" BY 5" INDEX CARDS. THESE INDEX CARDS ARE MAINTAINED SEPARATE
3	FROM THE GENERAL INDICES. ALSO ESTABLISHED WAS A SPECIAL
	COMMUNICATIONS INDEX IN THE EARLY MONTHS OF THE JFK ASSASSINATION
	INVESTIGATION CONSISTING OF APPROXIMATELY 21 LINEAR FEET OF
	5" BY 8" INDEX CARDS WHICH ARE ALSO MAINTAINED SEPARATE FROM
н —	THE GENERAL INDICES.
3	NO KNOWN MATERIAL RELATIVED TO THE MARTIN LUTHER KING,
	JR. ASSASSINATION (MURKIN) AND THE ABOVE LISTED FILES
	RELATED TO THE JOHN F. KENNEDY ASSASSINATION HAVE BEEN
	DESTROYED UNDER THE DESTRUCTION OF FILES AND RECORDS PROGRAM.
	BT
	₩
	Approved:M PerM PerM
	GPO : 1815 O - 600-993



117250) GLEAR E IT.IO X ALL INVENTORY OF ALL MATERIALS AVAILADLE IN GE REMARDING THE CARES SET FORTH BELOW. IT IS HOTED UREAU TERETARE DATED ARCENSES 9, 1973, TITLED PHARTIN LUT GA JE WENNEAU FILE 190-135670. YOU WERE RECUESTED TO THVENTORY ALL PERTINENT MATERIAL RELATIVE TO THE MARTIN LUT JR ASBASSINATION. IT 15, THEREFORE, NOR HECESSARY AND LUGATE TO FEIGUEITORY THAT STREAM AL AT ILES TO BE INCLUDED IN YOUR CURRENT INVENTARY ARE: THE ASSAGESTNATION OF PRESIDENT JOHN F. MUNEDY NOVENBER 22, 196 BUREAU FILE 62-110 DALLAS LETTARVEY OSHALD IS A IT CUSA DOALAS 3) NABLA'N, OSWALD SUREAU FILL 190-189555 BUREAU FILE LOPTIONESSE RUEY LEE MANVEY DEWALD - VICTIM RIGHTS AND BUP CAU 1 11 0 : 44-24916

GE THREE (69-117290) CLEAR (5) PRESIDENT'S CONMISSION ON THE ASSASSINATION OF PRESIDENT KENNEDY (WARREN COMMISSION) A Bar BUNGAU FILE 62-149493 IN PREPARING FIELD OFFICE INVENTORIES FOR ALMAMAIN TLES RELATING TO ABOVE, THE FOLLOWING SPECIFIC ITEMS MUST E INCLUDED: (A) FIELD OFFICE FILE NUMBER, INCLUDING OFFIC 観台にすった。(D) ※するため、マロ)(CUMED C1 22、つけ、ショアモモ、くこ)、Aには対極の1.Eに DESCRIPTION OF FILE CONTENTS, INCLUDING WHETHER LE CONTAINS MY THEFT, ELECTRONIC SURVEILLANCE LOCS AND JOR TRANSCRIPTS . RHOTOGRAPHS, BULKY EXHIBITS AND ANY OTHER SIMILAS MATERIAL MALON IN TH AUDITION TO DOUTINE CONRESPONDENCE. THE ANY OF ME WEITE (TAPES, ETG.) IS KOIED. VERY BRIEFLY DISCHIEL. ELUGE STATEDENT DESCRIPTION ALL SUPFILED PELATINE TO THE ACCOUNT FOR SIVE /SCOPE OF FILE AND AFLATED ITERS. FOR EXAMPLE, INDICATE NUMBERS OF SECTIONS AND 職員A44の148月度また。vol. AL OF LOGS/TASt20Pist ARABITS ; ETC. AT IS FURTHER WOTED THAT IN REFERENCED BUILDAY, TELETYPE 编剧外部局局的名称。 1976, YOU WERE BEMINDED OF THE FACT THAT OSPER EVIDERTIARY, ISIGLIG: SOE OF HISTORICAL 11



IN TATES DEPARTS JUST

Report of ROBERT P. GEMBERLING Dates 8/5/64

۰.

DALLAS

Bureau File No.s 105-82555

Officer

Field Office File No.s DL 100-10461

The LEE HARVEY OSWALD

Chanden INTERNAL SECURITY - RUSSIA - CUBA

Synopeles

CLOTILE WILLIAMS heard assassination shots while standing on northwest corner of Houston and Elm Streets, Dallas, Texas, but did not see anything that aroused her suspicion and did not know from where the shots came. Supplemental listing of exhibits by item number and description prepared. Additional . investigation conducted concerning mark on curb on south side of Main Street near triple underpass, which it is alleged was possibly caused by bullet fired during assassination. No evidence of mark or nick on curb now visible. Photographs taken of location where mark once appeared, together with other photographs reflecting angle of such location in relation to the sixth floor window of the Texas School Book Depository (TSBD) from which assassination shots fired. Photographs also taken from inside sixth floor of TSBD southeast corner window from which assassination shots fired, showing distance between floor and window sill and height of opening in the window when window half open. Photographs . taken of person approximate height of OSWALD showing relative position of window ledge and window to such person. Photographs taken at Methodist Hospital of Dallas of bone specimen allegedly from skull of President KENNEDY obtained. Additional investigation conducted with negative results concerning claim by Mrs. EDITH WHITWORTH that she directed OSWALD family to Irving Sports Shop, Irving, Texas, in early November 1963, which investigation consisted of interviews of certain parents of female babies born 10/20/63, in the Irving and Dallas, Texas, area to determine if they were the individuals tions nor conclusions of the FBL. It is the property of the FBI and is loaned to your agen

195-62555

United States Department of Jusi

UNITED STATES ATTORNEY Nonthern District of These Dallas 1, TEKAS

75221

June 9, 1964 .

AIR MAIL - REGISTERED - RETURN RECEIPT REQUESTED

Mr. J. Lee Rankin 'General Counsel President's Commission on the Assassination of President Kennedy 200 Maryland Avenue N.E. Washington, D. C. 20002

Dear Mr. Rankin:

ALL BIALL .

UNITED STATES ATTOMNEY

I am enclosing a photograph made by Tom Dillard of the Dallas Morning News.

It is a shot of the curb which was taken shortly after the assassination on November 22, 1963.

When I talked with Mr. Dillard yesterday he indicated that he didn't know whether or not the photograph was material. He did say, however, that he examined the curb when the photo was taken and that it looked like a piece of load had struck it.

2 8 A. 12 mg

Winter States and States Marked and

Sincerely yours

Barcfoot Sunders United States Actorney 'nα·. SC Martha Joe Stroud, Assistant United States Attorney

7 44 8 4

170 8100

. . . . *

.W1.U. ...

1.2

Enclosure

c.c. Mr. Howard Willens

RESIDENT'S COMMISSION ON THE ASSASSINATION OF PRESIDENT K 200 Maryland Ave. N.E. Washington, D.C. 20002 Telephone \$4)-1400

MICIM

in Parts

al Buri

Secure Manual Street Con

where the second of the second of the second s

EARL WARREN. Clepter AICHARD B. RUBELL JOHN BHERMAN CLIOPER MALE BOCOB GERALD R. FORD JOHN J. McCLOY ALLEN W. BULLES

> Mr. J. Edgar Hoover Director, Federal Bureau of Investigation Department of Justice Wachington, D. C.

Dear Mr. Hoover:

On June 30, 1964, you forwarded to the Commission two photographs obtained by your Dallas office from James inderwood, a newsman with KRLD-TV in Dallas. Enclosed herewith is a photograph forwarded to the Commission from Martha Joe Stroud, Assistant United States Attorney in Dallas. We are also enclosing a copy of a letter from Miss Stroud indicating the conditions under which this photograph was obtained.

Since the photographs taken by Underwood purport to indicate the exact point on the curb where this niche is located, we request that your Bureau perform the following investigatory steps:

(1) Using either the model of the assassination scene or a diagram, please trace the path which a missile would have taken if it traveled from the sixth floor southeast corner window to the point on the curb indicated in these photographs, and then advise us of the approximate frame in the Zapruder film which would correspond to the point at which this missile would have passed over the President's car.

(2) We would like an analysis made of this mark on the curb to determine whether there are any lead deposits there or any other evidence upon which a conclusion can be reached as to whether this mark was caused by the striking of a bullet.

5 1.64

12 2

3 15 legter

A State of the sta

1.1

Nº Kar Parker

(3) Please determine whether the photograph forwarded to us by Miss Stroud is a photograph of the same curb mark represented in the Underwood photograph. We suggest that Tom Dillard of the Dallas Morning News be shown the spot on the curb Trom which the Underwood photograph was taken in order to determine whether the two men had photographed the same mark. Sincerely, 8-0:-0 J. Lee Rankin General Counsel Enclosures (2) 13 • .1 ., 11 316:13 and the second second Second Carterian . Loval of the conserver they what he was shown and 1. 14 MAY

- Mr. Belmu 1 - Mr. Coni 1 ~ Mr. Roson (Mr. Malley) 1 - Mr. Griffith 1 1 - Mr. Sullivan (Mr. Loniban) 1 - Mr. Shaneyfelt 1 - Mr. Rogge

REC- 15 arrish by 1011060-3659

: BAC, Dallas (100-10461)

From: Director, FBI (105-82555)

LEE HARVEY OSWALD, aka IS - R - CUBA

XEROY

lam

The Prevident's Commission has requested further investigation regarding the nick in the curb along the south curb of Main Street as shown in the photographs you submitted with airtel 6/16/64. Copies of the Commission lettor and the photographs you submitted are attached for your guidance. There is also attached a copy of a lettor to the Commission from Assistant United States Attornoy, Martha Joe Stroud, Dallas, Texas, and an accompanying photograph of a nick in the curb taken by Tom Dillard of the Dallas Morning News on 11/22/63.

July 13, 1964

a de la companya de l La companya de la comp

You should first attempt to locate the nick in the curb 51 and sutol the Bureau whether or not you can locate it. Since the nick area, if located, will be analyzed spectrographically in this Laboratory, you are cautioned not to clean the curb area or othorwise make any alterations that would effect such a Laboratofy examination. If the nick is located, you will be furnished dotailed instructions regarding photographs to be made before removal of this portion of the curbing as well as instructions for removal after the pictures are made. You should detormine through contact with appropriate Dallas officials whether or not there is any objection to the removal of a portion of the curbing. For the spectrographic examination, it will be necessary to have the nick and the curbing approximately four to six inches around it intact. The amount of curbing removed beyond this will be dotermined by the mothod of removal that is used in order to retain the portinent area indact.

To locate the nick in the curb on the south side of Nain Streat, you should use the photograph made by Wr. Underwood teken from the nick toward the sixth filter window of the Texas School

Enclosures (5) the nr WALLED allahas Med 1.000 LLS; kw JUL 131964 1 (10) COMM-FRI live . 1000 ottes alo. Ro a î m MAIL ROOM (SA) TELETYPE UNIT

Airtel to Dallas LEE HARVEY OSWALD, a 18 - R - CUBA

١.

Book Depository Building (TSBDB). If you move along the south curb of Main Street until all objects in view are aligned as they are in the picture, that point should be within inches of the nick in the curb providing Mr. Underwood actually made the picture from the nick as he stated. The best guide to use initially is the lamp post between the two buildings on the right side of the photograph. After that is aligned, other objects can be checked such as the sign on the left and its relation to the steps and the TSBDB as well as the lamp posts on the north side of Elm Street and their relation to specific areas of the TSBDB. Sutel results of efforts to locate the nick on the curb.

The photographers, James Underwood and Tom Dillard, may be of assistance to you in locating the nick in the curb. In this regard, you should interview both photographers and submit letterhead memoranda in compliance with Item 3 of the attached letter from the Commission. For your further information, Item 1 of the Commission's letter is being handled by the Laboratory. Item 2 will be handled by the Laboratory depending upon whether or not the nick in the curb can be located after which you will be furnished further instructions relative to submission of the piece of curbing. The Laboratory will also make a comparison of photographs to be made after the nick is located, with photographs made by Underwood and Dillard as requested in Item 3.

and the second s

1 - Mr. Frazier Mr. Belmont - Mr. Sullivan (Mr. Lenihan) Mr. Rosen (Mr. Malley) 1 - Mr. Heilman Mr. Rogge 1 - Mr. Griffith Mr. Conrad August 12, 1964 Mr. Shaneyfelt 1 Mr. Jevons By Courier Honorable J. Lee Rankin General Counsel The President's Commission 200 Maryland Avenue, N. E. Washington, D. C. Dear Mr. Rankin: Reference is made to your letter dated July 7, 1964, requesting additional examination of the mark appearing on the T curbing on the south side of Main Street near the triple underpass at the assassination site in Dallas, Texas. This mark was located and was found to be 23 feet, 4 inches from the abutment of the triple underpass. The Laboratory comparison of the mark as It now appears with the photographs made by James Underwood, newsman for KRLD-TV in Dallas, and Tom Dillard, a photographer for the Dallas Morning News, establishes they are photographs of this same mark. Four copies of the results of the intorviews with 1 AUG 1 8 Soly Mr. Underwood and Mr. Dillard are attached. In response to your inquiry, accuming that a bull shot 3 DIFIECORDED from the sixth floor window of the Texas School Book Depositivy Building struck the curb on the south side of Main Street at the location of the mark described above and assuming it passed directly over the President, the bullet would have passed over the President .. at approximatoly frame 410 on the Zapruder film. This is 97 frames alter the shot that struck the President in the head which is frame'313. At 18.3 frames per second, this represents a lapse of time of 5.3 seconds between frame 313 and frame 410. Baced on a direct shot from the sixth floor window to the curb on Main Street, this bullet would have passed over the centor of Elm Street at an elevation of about 18 feet 30 from the street level. It is noted that in frame 410 of the Zapruder 2 12 ALLARG UN: AIM Kinc 11 -109060 (100 - 10461)A(13) 3:emh TELETYPE UNIT

Honorable J. Lee Rankin

12

•

1

film, Mrs. Kennody has returned to the seat beside the President and Secret Service Agent Hill is about midway from the back bumper to the President crawling across the trunk lid.

The piece of curbing containing the mark was removed on August 5, 1964, and examined in the FBI Laboratory. This curbing has been designated as Item C321 by the Laboratory. Small foreign metal smears were found althering to the curbing section within the area of the mark. These metal smears were spectrographically determined to be essentially lead with a trace of antimony. No copper was found. The lead could have originated from the lead core of a mutilated metaljacketed bullet such as the type of bullet loaded into 6.5 millimeter Mannlicher-Carcano cartridges or from some other source having the same composition.

The absence of copper procludes the possibility that the mark on the curbing section was made by an unmutilated military-type full metal-jacketed bullet such as the bullet from Governor Connally's stretcher, Cl, or the bullet or bullets represented by the jacket fragments, C2 and CS, found in the Presidential lineousine. Further, the damage to the curbing would have been much more extensive if a rifle bullet had struck the curbing without first having struck some other object. Therefore, this mark could not have been made by the first impact of a high velocity rifle bullet.

It was also determined from a microscopic study that the lead object that struck the curbing causing the mark was moving in a general direction away from the Texas School Book Depository Building. Assuming this mark was made by a fragment of a built

· · · · · · · ·

Honorable J. Lee Rankin

from the assassin's rifle, the evidence present is insufficient to establish whether it was caused by a fragment of a bullet striking the occupants of the Presidential limousine, such as the bullet that struck the President's head, or whether it is a fragment of a shot that may have missed the Presidential limousine,

This completes the request in your letter dated July 7, 1964. The piece of curbing is available in the FEI Laboratory. A photograph of the mark on the curbing before removal and a photograph of the curbing after removal are attached.

Sincerely yours,

I. Edgar Hoover

-1-02:10

Enclosures (8)

	halta NC in Ne Ya
UNITED STATES OOVERNA T	
Memorandum	
2º Courd I Beland	
TO MR. A. H. BELMONT DATE: 12/4/63	,
FROM MR. I. W. CONRATE	2
PROM MR. I. W. CONRADU	
SUBJECT, ASSASSINATION OF PRESIDENT JOHN F. KENNEDY	l
	-
In connection with the above-entitled matter, I discussed the following	
two items with Inspector Malley:	
(1) With respect to the 8 m.m. color movie taken by Abraham Zapruder	•
in Dallas of the actual shooting, the Bureau, of course, has copies of this film and from it a rough approximation can be made	
as to the elapsed time between the three shots which were fired.	
However, since this estimate of time depends upon the speed at which the camera was running, it is considered desirable that we obtain from	
Mr. Zapruder information as to the speed at which his camera	
was set during the shooting of this film and, in addition, that the camera itself be forwarded to the Laboratory in order that we may determine	•
the actual speed of the camera at the reported setting.	
(2) With respect to the bullet reportedly recovered from the shooting	
into the home of General Walker, I pointed out to Mr. Malley that	
because of the distorted nature of the bullet and the fact that we had no E known specimens taken sometime near April 1963, it had not been possible	
to make a determination as to whether the Walker slug had been fired from the assassination rifle. I requested Malley to consider possible	·
sources of bullets which might have been fired by Oswald during the	
sources of bullets which might have been fired by Oswald during the early part of the year in order that we might further attempt to resolve the question of identity. In this respect I suggested that Mrs. Oswald	
be interviewed for possible leads as to where Oswald might have the second	in an
conducted target practice.	
Mr. Malley advised that both of these items would be checked into and we would be further advised.	
1-Mr. Belmont	
1-Mr. Rosen 1-Mr. Bullivan IWC:DrG (6) TEPOX INC:	
IWC:DrG (6) REG-38 62-109060, 1132	
(6) Isport Chain and The So Company of The South	5
DE 6 800 0 U 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P
59 DEC 0 100	: P
We have been a second the second s	1 1
	स्ट्राल स्ट्राहा स्ट्राल स्ट्राहा

			and an analysis of the second	
0	NITED STATES OF NMENT	-	Relnoni	:
то :	Mr. Conrad Swith	DATE:	3/27/6	i
FROM :	R. H. Jevons		Ary Area Honos	
SUDJECT:	ASSASSINATION OF PRESIDENT JOHN F. KENNEDY, 11/22/63, DALLAS, TEXAS		Republic	
	In accordance with the		• -	6

In accordance with the verbal request of Mr. Melvin Eisenberg of The President's Commission and with prior approval, SAs Henry B. Heiberger and John F. Gallagher met with Mr. Eisenberg on 3/26/64, to discuss spectro-: graphic examinations conducted on materials relating to the assassination of President Kennedy.

BA Heiberger discussed the spectrographic comparison examinations which he conducted in the Laboratory. SA Heiberger advised that the lead alloy of the bullet recovered from the attempted shooting of General Walker was different from the lead alloy of a large bullet fragment recovered from the car in which President Kennedy was shot. SA Gallagher advised Mr. Eisenberg the spectrographic examinations of the bullet fragments recovered from the wound in President Kennedy's head and from the vehicle in which President Kennedy was riding at the time of his assassination were composed of the same chemical elements.

As reported in my memorandum of March 17, 1964 (Jevons to Conrad, LEE HARVEY OSWALD, IS - R), SA Gallagher discussed with Mr. Eisenberg the neutron activation analyses of the paraffin casts from Oswald. This technique you will recall revealed deposits on the casts characteristic of powder residues. However, it was not possible to distinguish the powder residues of the rifle cartridges from the powder residues of the revolver cartridges. It was in connection with this examination that Mr. Eisenberg then discussed with SA Gallagher a letter of Dr. Paul C. Aebersold, Director, Division of Isotopes Development, Atomic Energy Commission, to Assistant Attorney General Herbert J. Miller, which was dated December 11, 1963, and subsequently forwarded to The Commission. He read from this

REC 7 62-109060 - 2845 EX-103 25 APR 7 12.4

32-109060

1 - Mr. Belmont 1 - Mr. Rosen 1 - Mr. Sullivan 1 - Mr. Malley

JFG:gl (11) (8 1964

Memorandum to Mr. Conrad Be: ASSASSINATION OF PRESIDENT JOHN F. KENNEDY, 11/22/63, DALJAS, TEXAS 62-109060

> "We would hope soon to have more details on whether the method (neutron activation analyses) will give useful information to distinguish between smoke deposits from revolvers and those from rifles----by mems of their distribution on the body of the person firing them and by the levels of antimony and barium (and perhaps other elements) deposited."

Mr. Eisenberg then asked if more detailed background was available at this date. It was pointed out by SA Gallagher that Dr. Aebersold's letter was written prior to the actual activation analyses examinations of Oswald's casts. No elements were found during these tests to distinguish between rifle and revolver deposits. Mr. Gallagher further pointed out that the data in the present instance were further complicated by Oswald's firing of the revolver subsequent to the firing of the rifle and by the fact that the casts have been chemically treated and washed prior to receipt for neutron activation analyses. Nothing has come to our attention and to our knowledge nothing has been done subsequent to these examinations which would assist further in the interpretation of the data obtained from the activation analyses of the paraffin casts from Oswald.

ACTION: None, for information.

Itelmont UNITED STATES GO RNMENT Mah Caspel Callah emorandum Conrad DeLo Evan DATE: 12/2/63 Co Tavel Holter H. ASSASSINATION OF PRESIDENT JOHN F. KENNEDY SU'BIECT : My memorandum of 11/23/63, set out additional information relating to the sale and distribution of the Western manufactured 6.5 mm Mannlicher-Carcano ammunition used in the assassination. That memorandum was written in response to Mr. Belmont's instructions that every effort be made to trace the ammunition on the possibility that some of it may be traced into Oswald's hands. in the property of the second second The Springfield Office has advised that they have obtained, through contact at the Western Cartridge Corporation, East Alton, Illinois, copies of that Corporation's records relating to the manufacture of this ammunition. Western manufactured four million rounds of this ammunition for the United States Marine Corps during 1954. Attached is a two-page copy of the records of Western relating to the complete manufacture of this order of ammunition which vas authorized under Government contract DA-23-196-ORD-27. The interesting thing about this order is that it is for ammunition which does not fit and cannot be fired in any of the USMC weapons. This gives rise to the obvious speculation that it is a contract for ammunition placed by CIA with Western under a USMC cover. ALL SHELL for concealment purposes. Stre Golf ACTION: South: This information is being furnished Divisions 5 and 6 for they. whatever further investigative activity is deemed warranted. 1 - Mr. Tolson (Enclosures 2) 1 - Mr. Belmont (Enclosures 2) ECORDED 1 - 2r, Hohr (enclosures 2) 9 1000 1 Mr. DeLoach (enclosures 2) 1 - Mr. Rosen (Enclosures 2) 1 - Mr. Sullivan (Enclosures 2) - Mr. Thompson, Room 5718 (enclosures 2) 1 25 DEC 1963 Enclosures 2 elto PLACE 12-2-63 C: 35m (12)

ROUTE IN ENVELOPE

SECREL

July 19, 1965

TO: Inspector J. R. Malley

RE: 'COMMISSION DOCUMENTS ORIGINATING IN THE BUREAU 'PRESIDENT'S COMMISSION ON THE ASSASSINATION OF PRESIDENT KENNEDY

In connection with the pending review of documents originating in the Bureau that were submitted in connection with this matter looking toward public disclosure, the Laboratory has completed a review of the copies maintained of various Laboratory reports and other documents prepared in the Laboratory. In addition, the Laboratory has carefully scrutinized the 202-page listing of documents submitted for our review. Based upon these reviews two items were noted that should be withheld from public disclosure as follows:

REU 45 62 -109.090 -466 (3) inclosures (2) Mr. Sullivan (Mr. Stoles, Radon Eff RB) (and -) AUG 23 1865 Mr. Raupach, Room 5716 Mr. Griffith Chishing by 2040 Exempt from GDS, Category 1, 2, 3 Date of massification Indefinite Exempt from GDS, Category 1, 2, 3 Date of massification Indefinite Exempt from GDS, Category 1, 2, 3 Date of massification Indefinite Exempt from GDS, Category 1, 2, 3 Date of massification Indefinite Exempt from GDS, Category 1, 2, 3 Date of massification Indefinite Exempt from GDS, Category 1, 2, 3 Date of massification Indefinite

5 Copies of the two sensitive Laboratory reports are enclosed for General Investigative Division and Domestic Intelligence Division. N No other patently objectionable documents were noted; however, for possible assistance and guidance of the other divisions conducting reviews, the following three items of possible significance were noted: 1 Laboratory report dated 7/8/64, CR-12614 KA. The result of 3. this examination is the decryption of two personal letters in Braille. The letters are answers to communications sent by an apparently mentally deranged blind person and do not deal directly with the Oswald matter. There is no question of cryptanalytic sensitivity, it is rather a question of personal aspects of the source of this material, which we are not in a position to evaluate. Conrad

UNITED STATES GOMERNMENT Memorandum

SAC J. GORDON SHANKLIN (100-10461)

SA PAUL E. WULFF

SUBJECT:

FROM

....

Benet

· • •

125 10

LEE HARVEY OSWALD, aka. IS - R - CUBA

Re Bureau airtel to Dallas, 5/22/64, and the enclosed President's Commission letter, 5/20/64, pertaining to the tracing of evidence, copies of which will be furnished to Agents conducting investigation.

DATE: 6/10/64

- UAL::

. 6/0157

The following information, obtained from a file review and examination of original evidence, should be of benefit in obtaining the desired data: -

> (1) THREE RIFLE CARTRIDGE CASES, C6, C7, C38

C6 and C7 were furnished to SA VINCENT E. J. DRAIN on November 22, 1963, and probably contain the initials of Lieutenant J. C. DAY, Dallas Police Department.

C38 was furnished to SA DRAIN on November 27, 1963, and may also contain the initials of Lieutenant DAY.

> RIFLE BULLET, C1 (2)

DARRELL C. TOMLINSON, employee, Parkland Hospital, residence 11514 Broadmoor, found this item on a stretcher at Parkland Hospital and gave it to O. P. WRIGHT, Fersonnel Manager and Chief Security Officer, Parkland Hospital, immediately after finding same. WRIGHT gave the bullet to Special Agent RICHARD JOHNSON, Secret Service, November 22, 1963, and was given a receipt by JOHNSON. On November 22, 1963, JAMES ROWLEY, Chief, Secret Service, Washington, D. C., gave this bullet to SA ELMER LEE TODD, FBI. TODD took it to the FBI Laboratory and gave to SA ROBERT A. FRAZIER, FBI, 'and both latter individuals identified by initial.

 $(1, q_{1}) \approx 0$

PEW/ds 100-10461-6 SEARTH SERIALIZEDIN STALL 73. JUN 1 0 1924

A CARLES AND A CAR

DL 100-10461

. .

the line of

-0

ation are .

Sector (* 1975) Sector (* 1975) - g.

7

(20) SELECTIVE SERVICE SYSTEM NOTICE OF -CLASSIFICATION IN THE NAME OF HIDELL, D207

Other data same as (18) above.

(21) UNITED STATES MARINE CORPS CERTIFICATE OF SERVICE IN THE NAME OF HIDELL, D206

Other data same as (18) above.

(22) FAIR PLAY FOR CUBA COMMITTEE CARD DATED JUNE 15, 1963, B1 (8)

Other data same as (18) above.

(23) VACCINATION CERTIFICATE SIGNED DR. HIDEEL, 444 (D47)

This item was found in a search by the Dallas Police Department November 22, 1963, at 1026 North Beckley, Dallas. The search was made by W. E. POTTS, F. M. TURNER, H. M. MOORE and BILL SENKEL, Homicide Bureau. This item bears the initials "H.M.M." and the date November 22, 1963.

(24) NEGATIVES, B3

The only information pertaining to this item is a listing on the evidence inventory list, at which time the negatives are described as follows: Envelope containing 28 35 mm. negatives, six $2\frac{1}{4}X2\frac{1}{4}$ negatives, one positive of building, one negative of OSWALD's wife. This property was among that turned over to SA's KENNETH C. HOWE, JAMES P. HOSTY and WARREN C. DE BRUEYS November 26, 1963, by the Dallas Police Department. It is suggested the Dallas Police Department property clerk be contacted to determine if this item is listed on Police Invoice Number 114136.

Autor .

6 -

SAC, DALLAS (100-10461) (C)

SA ROBERT P. GEMBERLING

LEE HARVEY OSWALD, eka. IS -R - CUBADL file 100-10461 (C)

ASSASSINATION OF PRESIDENT JOHN FITZGERALD KENNEDY, 11/22/63, DALLAS, TEXAS MISCELLANEOUS - INFORMATION CONCERNING DL file 89-43 (P*)

In view of continued correspondence and inquiries from time to time necessitating acknowledgement and also in view of Public Luw 89-318 relating to items of evidence obtained in captioned investigations to be designated by the Attorney General for preservation by U. S., all bulky exhibits and evidence in these cases should be indefinitely retained.

1 = 100-10461 1 = 89-43RPG: (2)

SLAAC IED INDEXE SLAIALIZED PILED 1. .. 1 1069 FBI - DALLAS



GAAT USE SEPTIMA ALAT USE SEPTIMA ALAT PRODE (A SPR) SEVELA 59.85 UNITED STATES GOVERNMENT 'emorandum E BAC, J. CORDON BRANKLIN (100-10461)DATE: 1/31/7 SA BOBERT P. GENBERLING TROM 3:0 LEE HARVEY OSWALD, aka SUBJECT: 18 - R - CUBA S. . . . and the DO: DALLAS There is still being retained in the Dallas Office considerable material gathered in this investigation and $\Delta t = 0$ maintained in the Bulky Exhibits of the Dallas Office. The inventory of Bulky Exhibits reflects such evidence. All such material should continue to be retained in the Dallas Office due to the magnitude and importance ... of this matter and because we still receive frequent inquiries both from the Bureau and from private citizens pecessitating much research in this case. 1.2. . . Route to Clerk management a connection ACTION: with the semi-annual inventory of Bulky Exhibits. 11244 W PHK 241" 200 5212 (1)- Dallas RPG: 11 SEARCHED HNDEX 10344 SERIALIZED_ L'ENIAL' · · · DALLAS -1-a adverter Bay U.S. Savings Bonds Regularly on she Payroll Savings Plan 1.1.1.5° 571527 The Phase of the state UG176

Memorandum

: SAC, DALLAS (100-10461)

OSA GEN RIG NO D

TO

DATE: 8/4/64

2

FROM : KYLE G. CLARK, ASAC

SUBJECT: LEE HARVEY OSWALD, aka IS - R - CUBA

Supv. LYNDAL L. SHANEYFELT telephonically advised at 9:10 AM, this date, that he would be arriving in Dallas on the evening of $8/4/\dot{\upsilon}4$, and desired that reservations be obtained for him at the Adolphus Hotel for the nights of 8/4 and 8/5/64.

He advised that his trip is in connection with obtaining portions of the curb and requested that necessary arrangements be made with the Street Dept. and City Commissioners to obtain the portion of the curb which is involved in this case. He further stated that he is certain he can identify the exact location of the curb containing the chip marks in question. He further advised that for his purposes, he would only need a section of the curb approximately 4-5" long and 1" square. To obtain the desired portion of curb, it would be necessary for Dallas to have available a carbide saw or pneumatic drill. The type of tool used will govern the portion of curb to be obtained.

SA GEMBERLING and SA BARRETT advised.

Restions live been made at adol

KGC:ej (2)

MILL IN CURP

MINN STORA

A Manual Manual and States and the second second second second

100-10461-7 GILLINED Schindled (2) HILLD AUG -1 1964 F 91

001.63

	OPTI-WAL FORM NO. 10 MAY 1002 EDITION 884 960. REG. NO. 87 UNITED STATES GO .RNMENT	<i>(</i> ,)	
	Memorandum		-11 - 1 - 11 - 1
: OT	FILE (100-10461)	DATE: 6/5/64	with the state
FROM :	SAC SHANKLIN		N
SUBJECT:	LEE HARVEY OSWALD, aka IS - R - CUBA		
	Inspector J. R. MALLEY and quoted the following UPI news - Dallas"	called at 4:00 PM today release captioned "Ass	assination
	A Dallas auto salesman Herald today that one of the three assassination of President KENNED a curb and apparently hit him. Li a copyright story that the third station quoted a source close to the first bullet apparently struct Texas Governor JOHN CONNALLY, and in the head.	e bullets fired during Y went wild, crashed in ast week, KRLD /TV said shot went wild. The te the Warren Commission a k both President KEWNED	to in levision s saying tak
	The 27 year old salesmann not be used, said either the bulk his facd. In the interview, he shabutment on the east side of the the motorcade as it turned on Elm shot then the second and the the it was with the second, a bullet hit the curb in front of me and I the confusion that followed, I did until a policeman told me him his to where I was standing and saw th on the curb. Apparently what hit off the curb, or possibly even a p doubt it. He said he was almost School Book Depository Bldg. on a KENNEDY car. He said he told his detective and was interviewed by He said the FBI talked to him about concerned "about whether I knew J Commission has not contacted him. (2) Dallas (100-10461) I - Dallas (44-1639) JGS:mfr (3)	et or concrete chip gra aid he was by a concret triple underpass watchi at Houston. It was th hird, he said sometimes - I am sure it was a b felt a sting on my che d not think any more ab face was bloody. I we he crease mark, obvious me was the bullet rico part of the concrete, t in a direct line from t downward angle in fron story that day to a Da FBI Agents in mid Decem at 15 minutes and seeme ACK RUBY." He said the	zed e ng at first I think ullet ek. In out it nt back ly fresh cheting ho I he Texas t of the llas ber. d more Warren
		Martin Martin and Antonio An	161.56

UNITED STATE GOVERNMENT ~...(SAC, (DALLAS, (89-43) DATE: 10 2/15 FRUM. SA ALFRED C - ELLINGTON g D Wyere 10505 Cale Pio SUBJECT: ASSASSINATION OF PHESIDENT 1-1-1-1 JOHN FITZGERALD KENNEDY, NOVEMBER WAYXE 22, 1903, Dallas, Texas A. C. L. S. M. . P. P. C. Ar MISCELLANEOUS INFORMATION - CONCERNING A On this date, IGX M_OLIVER_ 5810 Phoenix Drive, telephone EM 8-2130, contacted the Dallas Office by telephone, and advised he is employed by the Texus Alighway Department, and was so employed 42. during October and November, 1908. During this peridd, (October or November, 1968) while he was working in the vicinity of Commerce Street and Stemmons Foreway, "at the Commerce Street entrances in the have ricocheted off of something". The bullet and put it in his pocket ... and has had it in his possession since that time. He said the bullet was "somewhat corroded, as if it had been in the weather" for a long time". He said he mentioned his finding of the bullet to his engineer, who suggested it may be the "third bullet" which he had heard about in connection with the assassination, of we President KENNEDY, since he found.it "11, just about the right spot" GARRISON, in New Orleans" for about the last 2 or 3 weeks butahas been unsuccessful, and desires to furnish this bullet to 'the FBI "if you want it". 12 High dia. He said shx he is currently working on Highway 114, near ". Highway 183, and can be reached through the Texas Highway,". Department field office in that area, BL 4-3556. 'Mr. OLIVER said he does not know what caliber this min "bullet'is, but that the final arxikaxa "front" of the bullet is the only damaged portion, and he feels the caliber can be main easily determined by some who knows something about it" · het SLAKCHLD_ INDEXED. SERIALIZED CHIER HLED 1 44. 1. 1. 17 . FEB 15 1969 FUI - DALLAS 2- 89-ACE: 2) Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan W. W. and so on an analy 1 1 X X. 1.0 - 4. 10. 14 12 4 1 1 1 1 a at

CIDA BURN BURN . MAN. MI A Tamara cher. UNITED STATES GOVI Star & Star Billion 人名格兰斯斯卡尔人的资源和国家的的名称和 IMENT 3. 了一点的小台,你曾有这些事情。""这个人,你不会不可能。" AVIA TATA To show a good a survey land a got proper as the a first all a the state of the sta morandum 1 . 51 1. htm 54. L dupor in an an antipage distant an · ... DATE: 12/4/63 BAC (89-43) A Carl Sun Silling 2 S. 1 21 1 \$ dout in (c) (c) we have been as a set of the set , in state with the FROM .: SA JOSEPH J. LOEFFLER and trademarks that a contribution of the state of YA Same & To in the first former of the state of the stat set. or particular a SUBJECT: LEE HARVEY OSWALD, Aka: ·: } ASSASSINATION OF PRESIDENT JOHN FITZGERALD KENNEDY. arren in meres in a second 11/22/63, DALLAS, TEXAS; The physical devices with the provide the physical physic 17 11:5 AFO Poor iss ten month i Section Chief Max fild Takeshangh and in ., On the afternoon of 12/3/63, No. 1 Mand JIM HANLEY, 1 1. 19 1 Special Investigative Division, requested Inspector JAMES R. 12 (1994) MALLEY to obtain the answer to the following question: Can Dallas Police Department tell who picked up empty shells and in working and where they were found with respect to the shooting of Officer and where TIPPIT. ALA FINDER Special Agent ROBERT P. GEMBERLING obtained this · .40 .1 inform: :ion from captioned file and same was relayed to Supervisor PAT DERY on the afjernoon of 12/3/63: 17.00% 5 live .38 shells found by Detective ELMER BOYD in OSWALD's left front pants pocket at time of search after his arrest. 6 live .38 shells found by Sergeunt JERRY HILL, Dallas PD, at time of arrest in his .38 weapon. We got four and two "went to Secret Service." 4 " 94, Mg. · . f. f. i 4 empty hulls - 2 found by unidentified witness at the scene of the shooting of TIPPIT at 400 E. 10th Street and given to Officer J. M. POE. He has no recollection of who gave them to him. 1 found by BARBARA JEANETTE DAVIS, 400 East 10th Street, and she gave to Captain GEORGE DOUHTY, Dallas PD. VIRGINIA DAVIS, a sister-in-law of BARBARA, also found one empty .38 shell which 🛴 · she turned over to Detective C. N. NOHERTY, Dallas PD Homicide Bureau at 400 East 10th Street. Last two found were found by man Bertelet and . these women in front yard at 400 East 10th Street. 1. 1 11 2592 the form for an en of the present of the or a (K.o. 4 3) Ling the pro-SLRIALIZE STATES anian any the service of SLARCHEL ·pullin ato is pipeled; the star and week with pit a care ч. 6 i 1963 m \$14/\$ 91/\$ 92 *** DEC Property P. F9: - 1.4LLAS JJL:BMI C. 11 ... (2) to arrain a service and the 00750 Still Land and a state of the s 1 Mape Stra St 1.1. 41, 1. W. M. 1. Will the with the Altren of March & March