ON 07-09-2012

(01/26/1998)



FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE Date: 02/10/1999
To: National Security Attn: SSA NIPC-CIU,
Room 11887 Qincinnati Attn: SA
Sq. 4
From: Philadelphia Ft. Washington RA
Contact: SA
Approved By:
Drafted By:
Case ID #:(U) 288-CI-68562 (Pending)
Title:(U) MOONLIGHT MAZE
Synopsis: (U) (X)
and are being forwarded to Cincinnati as
evidence.
Declassify On: X1
Reference:(U) (X) 288-CI-68562 Serial 45
Administrative: (U) (SX) Telephone call from
Engineering Research Facility, Quantico, Va., to SA Philadelphia Division, on 2/4/99 advising that
7d.
Package Copy: (U) S Being forwarded under separate cover to the
Cincinnati Division is
Details: (U) (X)
and trace Lead to the Philadelphia Division, Ft.
Washington RA,
SECRET
Khm min
RAW/WRH 288-C1-6562-57



To: National Security From: Philadelphia Re:(U) (5) 288-CI-68562, 02/10/1999

They are being forwarded via Federal Express to FBI, Cincinnati Division, Attention: SA Sq. 4, Room 9000, 550 Main St., Cincinnati, Ohio 45273-8501. SA can be reached at

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***** *

SECRET

FD-302 (Rev. 10-6-95)

- 1 -

FEDERAL BUREAU OF INVESTIGATION

			Date of transcription	
]			for Netwo	ork and
Systems,	Academic Comp	outing Center, Ha	verford College, 3	
fax	Avenue, Have	erford, PA 19041	-1392, telephone	rovided
copies of and log i	a letter to	SA	a security lands data cartridge co	og diary,
		SECRET		
		_		
				·
		SEPTET		
		Classified By Declassify On:	-3	
estigation on1/	13/99at _	Haverford, PA		
# <u>288-CI-68</u>	562 - 77	•	Date dictated	
SA	• •			

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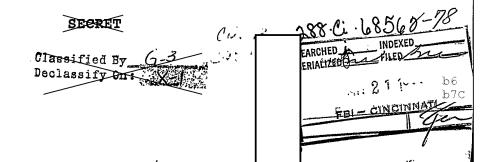
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SECRET

FEDERAL BUREAU OF INVESTIGATION

From: Philadelphia NSRA Contact: SA Approved By Drafted By: Case ID #:(U) (%) 288-CI-68562 (Pending) Title:(U) (%) MOONLIGHT MAZE Synopsis:(U) (%) Forward to Cincinnati information provided by Haverford College. (U) (%) Derived From (G-3 Declassify On: X1 Enclosures:(U) (%) Enclosed for Cincinnati are the original and one copy of an TD-302 of interview of and a letter, memo, computer logs and a computer data cartridge provided by Nocifore. Details:(U) (%) Investigation continuing at NSRA, pen register/trap and trace	Precedence: RO	UTINE	Date:	01/14/1999
Approved By: Case ID #:(U)	C: Cincinnati			
Case ID #:(U)	NSRA	/		
Case ID #:(U) S 288-CI-68562 (Pending) Title:(U) S MOONLIGHT MAZE Synopsis: (U) S Forward to Cincinnati information provided by Haverford College. (U) Derived From: G-3 Declassify On: X1 Enclosures: (U) S Enclosed for Cincinnati are the original and yone copy of an FD-302 of interview of and a letter, memo, computer logs and a computer data cartridge provided by Nocifore. Details:(U) (S) Investigation continuing at NSRA,				_
Synopsis: (U) (N) Forward to Cincinnati information provided by Haverford College. (U) Derived From: G-3 Declassify On: X1 Enclosures: (U) (N) Enclosed for Cincinnati are the original and one copy of an FD-302 of interview of and a letter, memo, computer logs and a computer data cartridge provided by Nocifore. Details: (U) (N) (N) Investigation continuing at NSRA,		288-CI-68562 (Pending)		•
Haverford College. (U) Derived From: G-3 Declassify On: X1 Enclosures: (U) (S) Enclosed for Cincinnati are the original and one copy of an FD-302 of interview of and a letter, memo, computer logs and a computer data cartridge provided by Nocifore. Details: (U) (S) Investigation continuing at NSRA,	Title:(U) (M)	OONLIGHT MAZE		
Enclosures: (II) (S) Enclosed for Cincinnati are the original and one copy of an FD-302 of interview of and a letter, memo, computer logs and a computer data cartridge provided by Nocifore. Details: (II) (S) Investigation continuing at NSRA,	Synopsis: (U) (S) Haverford Colle	Forward to Cincinnati info	ormation prov	rided by
none copy of an FD-302 of interview of and a letter, memo, computer logs and a computer data cartridge provided by Nocifore. Details: (III) (SX) Investigation continuing at NSRA,	(U) (X) Derived Declass	From: G-3 ify On: X1		
Investigation continuing at NSRA,	one copy of and letter, memo, c	FD-302 of interview of omputer logs and a compute:		and a
Investigation continuing at NSRA, pen register/trap and trace	Details:(U) (SX)			
	Investigation c	ontinuing at NSRA, pen register/trap and '	trace	



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FD-302 (Rev. 10-6-95)

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FEDERAL BUREAU OF INVESTIGATION

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		Pennsvlvania of the iden	was con	itacted at h	is offic	e.
	ature of the		cicy of c	ne mivescry	acing Ag	EIIC
-					Iwas	_
		e requested				d, he
	ntact the in	e requested nvestigating			compile	d, he
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Investigation on	12/15/1998	_at _Pit	tsburgh,	PA		
File # <u>288-CI</u>	-68562/1/				_ Date dictated	12/16/1998
by SA	///14//					

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ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 07-10-2012 BY 60324/UC/baw/sab/aio

FD-302 (Rev. 10-6-95)

- 1 -

FEDERAL BUREAU OF INVESTIGATION

6 7C THER Se	ealed Cour	t Documents		Date of transcripti	on <u>02/16/99</u>
L	Informa contact	ation Servi ted at his	of the Universit	e data was compiled Ly of Pittsburgh Co sburgh PA.	l by omputing and can be
ER Sea	led Court	Documents			
Inve	stigation on	02/11/99	at Hamarville,		/12/99
by	SA		dld	•	

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288-C1-68562-81

FD-302a (Rev. 10-6-95) 288-CI-68562 _{,On} 02/11/99 _, Page ____2 Continuation of FD-302 of was advised to maintain a copy of this data and that he may be contacted for additional assistance in the furtherance of this investigation. A hard copy printout of this information was not furnished at this time due to its voluminous nature.

(01/26/1998)

SECRET

FEDERAL BUREAU OF INVESTIGATION

	Precedence: ROUTINE Date	: 02/22/1999	
	To: National Security Attn: NIPC-CIU, Roc	om 11887	
	SSA ✓ Cincinnati Attn: ✓ SA		
	From: Pittsburgh Squad 5 Contact: SA		b6 b70
	Approved By:		
	Drafted By:		
	Case ID #: (U) 288-CI-68562		
	Title:(U) MOONLIGHT MAZE		
	Synopsis: (U) (S) Reporting of lead coverage at Universe Pittsburgh, Pittsburgh, PA.	sity of	
	Derived From: G-3 Declassify On: X1		
	Reference: (U) 288-CI-68562 Serial 40		
[Enclosures (U) Enclosed for FBIHO-NIPC is a copy of reflecting the interview of University of Pittsburgh Harmarville, PA on 2/11/99.	1	b6 b7C
b3 b6 b7C			
OTHER Sea	aled Court Documents	vestigation	
	on 2/11/99 at Harmarville, PA reflecting interview of		
	SECRET		

288-C1-68562-82 ROW/WED



To: NSD, CI From: Pittsburgh Re:(U) (28) 288-CI-68562, 02/22/1999

3	University of Pittsburgh
56 57C	
OTHER Seal	ed Court Documents
	Details (U) The above described enclosures represent investigation conducted by Pittsburgh in connection with captioned matter. at the University of Pittsburgh is the main point of contact and he has been advised to retain a copy of the information provided for possible future reference in the course of this investigation.

Pittsburgh considers this lead covered.

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FEDERAL BUREAU OF INVESTIGATION

Precedence: IMMEDIATE Date: 03/05/1999	
To: Moscow Criminal Investigative Baltimore Cincinnati Attn: Legat IRU 1	
From: National Security NIPC/CIOS/CIU/Rm 11719 Contact: UC	b6 b7C
Approved By:	
Drafted By:	
Case ID #: (U) 288A-HQ-1266830 (Pending) (U) 288A-BA-95348 (Pending) (U) 288A-CI-68562 ~ (Pending)	
Title: (U) "Moonlight Maze"	
Synopsis:	
	b7D
(U) (NF) Derived From: G-3 Declassify On: X1	
Administrative: (U) RE fax from the National Infrastructure Protection Center (NIPC) to Legat Moscow on 3/5/1999; teletypes from the NIPC dated 3/5/99; and telcall from Acting UC NIPC, to ALAT on 3/5/99.	b6 b7C
Details:	
Decaras. I	b7D
The FBI and other United States Federal Investigators are currently investigating several intrusions into government computer systems which appear to be coming	
カル	

288A-CI-68562-83



To: Moscow From: National Security Re: (U) 288A-HQ-1266830, 03/05/1999

	•
	b7E
Refe	rral/Consult
(U) For information of Legat Moscow, Unit Chief, Computer Investigation Unit, NIPC, will be contacting one of the following	1
be contacting one of the following on Saturday, March 6, 1999, Moscow time, and advise them of the s information provided above:	ame
Informacion provided above:	Ъ6
	b7C
(II) The above listed individuals are listed as	
are	b7D
(U) It is requested that the Legat advise the NIPC	
after contact has been made, the name of the person contacted the reaction to the information provided.	
(U) The NIPC has coordinated this matter with Special Agent, Baltimore Division.	.b6 .b7c

SECRET NOFORN



To: Moscow From: National Security Re: (U) 288A-HQ-1266830, 03/05/1999

LEAD(s):

Set Lead 1:

BALTIMORE

AT BALTIMORE, MARYLAND

(U) For information only

Set Lead 2:

CINCINNATI

AT CINCINNATI, OHIO

(U) For information only

Set Lead 3:

CRIMINAL INVESTIGATIVE

AT WASHINGTON, DC

(U) For information only

Set Lead 4:

b7D

SECRET NOFORN

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HEREIN IS UNCLASSIFIED
DATE 07-10-2012 BY 60324/UC/baw/sab/aio

FD-302 (Rev. 10-6-95)

-<u>1</u>FEDERAL BUREAU OF INVESTIGATION

Date of transcription 3/2/99	
At on	
pen register	ď

Investigation on	2/24/99	at Hav	verford,	PA		
File # <u>288-CI</u>	-68562				Date dictated	2/25/99
by SA						

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ACCI - 685-62 84

b6 b7C (01/26/1998)

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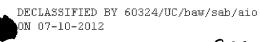
SECRET

FEDERAL BUREAU OF INVESTIGATION

	Precedence:	ROUTINE		Date:	03/02/1999	
	To: \Cincinna	ati	Attn:	Squad 4; Evidence Contr	rol Center	
	Nev	delphia wtown Squar <u>e RA</u> ntact: SA				b6 b70
	Approved By:	4				
	Drafted By:			Track	ing Number	
	Case ID #:(U)	(%) 288-CI-6856	2 (Pending	1) 241-3	5937-764	,
	Title: (U) (S)	MOONLIGHT MAZE				
[Svnopsis:(U)	* Forwarding p	en register	:		
		rived from : G- classify On: X1				
Г	Package Copy	·(U) (BX)		l+ho no	en register	
t				che pe	in legister	b3
d	Enclosures(U)	(x)			pen	
	register					
	Details (U) (X	Philadelphia	<u>is forwardi</u>	<u>na pen reaister</u>	-	
	•					

perial 85 288-CI-68561-85

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MAR 1 2 1999 DCC

FEDERAL BUREAU OF INVESTIGATION

Precedence: PRIORITY			Date:	02/08/1999	
To: Cincinnati National Security	Attn: Attn:	SA NIPC-CII SSA	J. Room	11887	
From: San Antonio Squad 11/Austin Reside: Contact: IA Approved By	nt Agen	Cy			b6 b70
Drafted By:					
Case ID # (U) (8) 288-CI-68562	(Pending	g) ~8 ¶			
Title:(U) (SX MOONLIGHT MAZE					
Synopsis (U) (S) Lead covered.					
Derived From: G-3 Declassify On: X1	1				
Reference:(U) 288-CI-68562 Se	rial 40	g d	3 THER Seal	led Court Document	ts
Package Copy: (U) Being forward					
Details (U) For information o	f Cinci	nnati,			

SECRET

288- CI-68562-87

SECRET

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE			Date:	03/17/1999	
To: Cincinnati	Attn:	SOD 4			
National Security	Attn:	NIPC-CT SSA	II Room	<u>11</u> 887,	
From: Philadelphia Squad 9 Contact:				_]	b6 b7C
Approved By:					
Drafted By:					
Case ID # (U) 288-CI-68562-	(Pendin	ig <i>V8</i>			
Title:(U) (SX MOONLIGHT MAZE					
Synopsis:(U) (X) Lead 3 to Phila	ıdelphia	covered.			
Derived From: G-3 Declassify On: X1					b3
Reference (U) 288-CI-68562 S	Serial 45	;			
Package Copy (U) (X)					
Details: (U) On t	rap and	trace			
		Lead 3 t	o Phila	delphia	
Division covered.					

SECRET

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288 - CI - 68562-88

(01/26/1998)

SECRET

MAR 3 U 1999

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE	Date: 03/17/1999
To: Cincinnati	Attn: SA Squad 4
Vfrom: Mobile Squad 4 / Op <u>elika RA</u> Contact: SA	
Approved By:	·
Drafted By:	
Case ID #(U) 288-CI-68562.	(Pending)
Title (U) (S) MOONLIGHT MAZE	0 1
Synopsis: (U) (S) To report inves University by Mobile Division,	stigation conducted at Auburn Opelika RA.
Derived From: G-3 Declassify On: X1	
Reference (U) 288-CI-68562 S	Serial 40
Package Copy: (U) (S) Being forward (1) Sony 8mm data cartridge, in 3/15/99.	arded under separate cover is one nitialed by SA and dated
Details (U)	
During interview unable to identify the connecti Force Base (WPAFB), Dayton, Ohi corresponding the Internet Prot	ions from Wright-Patterson Air io, as he was unable to identify
b7E OTHER Sealed Court Documents	
'α	ecret
<u>,</u>	
	L88-CI-62562-89
	SSS-CZ-GS5G2-S9 POWLBB OHIGHEROZ. EC MBRA
	OHOKEKOZ. EC MORA

SECRET

To: Cincinnati From: Mobile Re: (U) 288-CI-68562, 03/17/1999

(U) In view of the fact that additional investigation may be required, Mobile Division, Opelika RA does not consider this lead covered.

***** *

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(12/31/1995)

FEDERAL BUREAU OF INVESTIGATION

Precedence: PRIORITY		Date:	03/31/1999	
To: Moscow Criminal Investigative San Francisco Baltimore Cincinnati	Attn: Attn: Attn: Attn: Attn:	ALAT DAD LS SA SA		
From: National Security NIPC/CIOS/CIU/Rm 11719 Contact:				ს 6 ს 7C
Approved By:				
Drafted By:				
Case ID #: 288A-BA-95348-168 (Pendi 288A-CI-68562-96) (Pendi 288A-HQ-1266830.34 (Pendi 288A-HQ-1	.ng)			
Title: MOONLIGHT MAZE				
Synopsis: To provide Legat Mosc deployment of the Moonlight Maze request that Legat Moscow assist the team's lodging while in Mosc	invest in obt	igative tea	am and to	
Administrative: Reference telca SSA on March 29 Legat and IRB, SSA Reference Electronic Communicati National Security Division regar Operational Plan.), 1999 Lon date	and telcal on Med March 16,	and between Mocsow March 31, 1999. 1999, to the Maze	b6 b7C
Details:				Ц
				ъ6 ъ7с ъ7р
	Ö	[J8 19 - CI - 6	68562-90	1 2 66 b7c b6 b7c b7c b6 b7c

To: Moscow From: National Security

Re: 288A-BA-95348, 03/31/1999

Airline travel arrangements have been completed with a scheduled departure on April 2, 1999, at 05:10 p.m. Eastern time from Dulles, VA, on Delta flight #2772 connecting in Zurich, Switzerland, on Delta flight #2850 which arrives in Moscow on April 3, 1999, at 3:05 p.m. If investigative coordination with the MVD has been completed, the team expects to depart Moscow the morning of April 10, 1999, with an arrival at Dulles, VA, at 3:30 p.m. Eastern time that same date.

	. *	_
	Refer	ral/Consult
▎┕		

Concurrance regarding the investigative teams travel have been obtained from the FBI International Relations Branch, FBI Legat Moscow and U.S. Ambassador

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The Moonlight Maze Coordination Team will maintain a schedule in the SIOC beginning at midnight on April 4, 1999, EST until the deployment team returns. The anticipated hours of operation will be from 11:00 p.m. until 6:00 p.m. EST.

LEAD(s):
Set Lead 1:

b6 b7C b7D

To: Moscow From: National Security Re: 288A-BA-95348, 03/31/1999

(01/26/1998)



Precedence: ROUTINE Date: 04/01/1999	
To: Criminal Investigative Attn: SSA	
From: NSD NIPC/CIOS/CEST/Rm 11719 Contact:	b6
Approved By:	b7C
Drafted By:	
Case ID #: 288A-HQ-1266830 (Pending) 288A-BA-95348 (Pending) 288A-CI-68562 (Pending)	
Title: "MOONLIGHT MAZE"	
Synopsis: To request identification of appropriate SIOC operations facilities for Moonlight Maze Coordination Group.	
Details: The Moonlight Maze Coordination Group (MMCG) has been verbally advised that the SIOC facility which it currently occupies, will be required for NATO operations on or about April 15, 1999.	b7E
The MMCG is deploying personnel to Moscow, Russia, on April 2, 1999, in support of the above captioned investigation. In order to maintain proper support for the deployed personnel and to assure continuity of operations, the MMCG requests that SIOC staff identify which SIOC operations room the MMCG will be assigned after vacating Rapid identification of this facility is requested, as considerable logistical challenges must be addressed, including movement of substantial quantities of computer hardware and communications gear and dissemination of new telephone and fax numbers.	
The MMCG anticipates occupying the newly-assigned facility until about May 15, 1999.	
**	

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FD-302 (Rev. 10-6-95)

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FEDERAL BUREAU OF INVESTIGATION

On July 29, 1998, at approximately 10:30 a.m., FA received a call from at South Carolina Research Authority, 5300 International Blvd., North Charleston. South Carolina, telephone number pager number This information is in relation to what is believed to be Foreign Computer Hackers Operating out of Russia. informed FA that he believes the Russians entered though South Carolina Research Authority (SCRA), computer system and then proceeded through the Wright Air force Base computer system. After copying a file onto the South Carolina Research Authority Computer Networking Company computer, the Russians then copied the file ever to their guster.
be Foreign Computer Hackers Operating out of Russia. informed FA that he believes the Russians entered though South Carolina Research Authority (SCRA), computer system and then proceeded through the Wright Air force Base computer system. After copying a file onto the South Carolina Research Authority Computer Networking Company computer, the Russians then copied
the file over to their system. Before the Russians copied the file over to their system, one of the SRA employees copied these files and saved the work for future reference.
The address used by the Russians was 25dot m9-3dot dial up dot Orc dot ru. The address used to get in the Wright Patterson Air force Base
stated there was an extensive amount of files transfer. He felt sure his employee copied all the information before the files left the system. This was attempted once before with out a breakthrough.
restigation on 7/29/98 at CHARLESTON, SC (telephonically)
972
<u>288-CI-68562</u> Date dictated <u>08/4/98</u>

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 07-10-2012 BY 60324/UC/baw/sab/aio
APR 1 2 1777

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTIN	IE	Date:	03/24/1999	•
To: Cincinnati	•			
From: Columbia Charlesto Contact:	on RA/Squad 6]	
Approved By:				b6 b7C
Drafted By:		,		
Case ID #: 288-CI-	68562 (Pending)—94			
Title: AIR FORCE I	NSTITUTE OF TECHNOLOGY	?		
Synopsis: To provi	de information to rece	eiving office.		
Details: The following to writer by Research Authority.	wing information was t		provided th Carolina	b6 b7C
Division, informati	is no active investiga on is provided to Cinc ay deem appropriate.			
\$				

288-CI-68562-94 RDW BB

b6 b7С (12/31/1995)

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE	Date: 04/07/1999
To: London Attn: Ottawa Attn: National Security Attn: Attn:	Legat
From: Baltimore Squad 14/MMOC Contact: SA	
Approved By:	·
Drafted By:	
Case ID #: 288A-BA-95348 (Pending) 288A-CI-68562 (Pending) 288A-HQ-1266830 (Pending)	
Title: UNSUB(S); ARMY RESEARCH LAB - VICTIM; INTRUSIONS - INFO SYSTEMS; OO:BA	
Synopsis: To provide an update and starepresentatives of the Moonlight Maze (to Moscow, Russia.	
Details: The primary objective of the operations plan is to provide attribut: subject(s) in captioned investigation, investigative assistance from the MMCG will travel to Moscow	ion for prosecution of
the identification and prosecution of tmatter.	the subject(s) in captioned
During the week of 3/21-26/1999	9. the MMCG hosted
in Washington, I five (5) intrusion incidents, related to and formally requested the assupport of this investigation. and pledged the aggressive investigative this matter.	ssistance of in b7C b7D departed on 3/26/1999
The MMCG team that will deploy two Special Agents and one language spe	to Moscow is comprised of ecialist from the FBI; one

JL-JSBA-CI-68562-95 To: London From: Baltimore Re: 288A-BA-95348, 04/07/1999

Special Agent and one technical specialist from the Department of Defense (DOD); and one Special Agent from the National Aeronautics and Space Administration (NASA). This team departed from Dulles International Airport on 4/2/1999, and arrived in Moscow on 4/3/1999. The MMCG will be staffed sixteen hours per day (2300-1800 EST) every day while the team is deployed to Moscow. The deployed team will communicate with the MMCG watch section to provide a daily update of developments and coordination with the section of the coordination of the coordinated that this team will return to Washington, D.C. on or about April 10, 1999.

b7D

To: London From: Baltimore Re: 288A-BA-95348, 04/07/1999

LEAD(s):

Set Lead 1:

ALL RECEIVING OFFICES

For information only.

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SECRET

APR 19 1999

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE	Date: 04/14/1999
To: Cincinnati Attn	Squad 4
From: Indianapolis SBRA Contact: SA Approved By:	. ზ6 . ზ7
Drafted By: 104w	wk01.ec
Case ID #: (U) (SECRET) 288-CI-68562	(Pending)
Title: (U) (SECRET) MOONLIGHT MAZE	
Synopsis: (U) (SECRET) The purpose of tresults of requested lead investigation	
Derived From: G-3 Declassify On: X1	
Reference (U) (SECRET) 288-CI-68562 Se	rial 40
Enclosures: (U) (SECRET) 1) Enclosed for with copy, documenting the interview Indiana University at South Indiana, on 12/16/1998, at which time cartridge tape entered into evidence cover sent to Cincinnati.	of Bend, at South Bend, he provided one 8mm data
(U) (SECRET) 2) One FD-302. wi interview of University at South Bend, South Bend,	Indiana
(U) (SECRET) 3) One insert, we certain investigation conducted at Sc 12/09/1998.	ith copy, documenting uth Bend, Indiana, on
Details: (U) (SECRET) Pursuant to refer documented investigation was conducted include obtaining certain requested efforwarded under separate cover previous conductions and the separate cover previous conductions and the separate cover previous conductions are conducted as a separate cover previous conductions are cover previous conductions.	d at South Bend, Indiana, to vidence. Said evidence was
$^{(U)}$ (SECRET) Lead covered at S	outh Bend, Indiana.
**	

388 - MI-68562-80W BB

FD-302 (Rev. 10-6-95)

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FEDERAL BUREAU OF INVESTIGATION

	Date of transcription	01/13/99
South Bend (IUSB), North Side Building, R Avenue, South Bend, Indiana 46634, teleph was contacted at IUSB. He was advised as interviewing Agent	one number	Misĥawaka
b3 b6 b7C OTHER Sealed Court Documents		

by SA

/ J:013wwk06.302

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FD-302 (Rev. 10-6-95)

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FEDERAL BUREAU OF INVESTIGATION

Date of transcription 01/13/99
Indiana
University at South Bend, Office of Information Technologies,
North Side Hall, 1700 Mishawaka Avenue, South Bend, Indiana
46634-7111, telephone number provided by facsimile
transmission an initial response to the court order delivered to
him on December 9, 1998. One copy of said facsimile transmission
is attached hereto.

Investigation on 12/10/98 at South Bend, Indiana (telephonically)

File # 288-CI-68562 Date dictated 12/10/98

by SA j:013wwk11.302

This document contains neither recommendations nor conclusions of the FBI. It is the property of the FBI and is loaned to your agency; it and its contents are not to be distributed outside your agency.

b6 b7C

b6 b7C

P.01

b6 b7C

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 07-10-2012 BY 60324/UC/baw/sab/aio

FACSIMILE

To:	Special Agent			
Of:	Federal Bureau of Investigation			
Fax:	219-233-4574			
Date:	December 10, 1998			
,				
From:				
Of:	Indiana University South Bend			
Fax:				
Phone:				
Total of pages including cover: 3				

INDIANA UNIVERSITY SOUTH BEND

December 10, 1998

Special Agent
Federal Bureau of Investigation
100 E. Wayne Street, Suite 415

South Bend. IN 46601

FAX: (219) 233-4574

b6 b70

OFFICE OF INFORMATION TECHNOLOGIES



Dear

VOICE:

It was a pleasure to meet you yesterday when you dropped off the "Application for" ensuing Court Order for the information indicated within the Appendix of the Order. indicated to you, I would expect that this request for information will require no Sea: Warrant at this time until you deem it necessary to go down to the level of the conter individual user files. I regard all system files you have requested, and that which w gather relevant to your needs, as to be available with no dispute. I will detail some complications relative to timeliness of production on some of that which you seek, be can expect our full cooperation. This will be cleared with Indiana University Legal Counsel, as well.

We can readily supply that information sought in Appendix A- items 1, 4, and the SS employees or the Student ID number (the latter is generally the SSN) This is becaus items comprise the relevant information we collect and retain relative to establishme: userid for our computer accounts on our locally administered host oit Liusb.edu. Th 2, 3, and the rest of 5 are part of employee/student databases which are officially kep housed in Bloomington, (Indiana University) and are not readily available to us in Sc Bend since we are a centrally administered University system. We do retain some to employee information regarding that sought under 2, 3 and 5, but that can not be reac practically joined with our account information within your three day timeline stated Court Order.

It may be an overkill of information gathering at this stage for us, given the nature of information directly available to us. I would offer that if the investigation identifies problems out of the approximately 11,000 accounts which may be represented in the you will receive, that it might be better if we supply you the additional information regarding specific targets. Once specific targets have been identified from a prelimin investigation, a specific information look-up can be done in very short order, at that t

Northside Hall 1700 Mishawaka Avenue Post Office Box 7111 South Bend, Indiana 46634-7111

This suggestion by no means challenges your authority to seek the information nor a indicate an unwillingness on our part to supply the requested information, and if our suggestion is not satisfactory, we will proceed with gathering that information which

219 237 4360 Fax: 219 237 4846

CC:

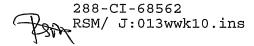
b6 b7C

require a few weeks or more of my staff time to construct the complete information set for all users.

We shall immediately begin to gather the first set of information, some of which may have to wait until Monday, December 14, 1998 for my security officer/system administrator to return from a national meeting. I will await your advisement on the above offer before we begin the more protracted information gathering work since it is not possible to comply within the three days for those items, anyway.

I believe we can readily supply Appendix B, items 1 and 2, but the detail in 3, 4 and 5 may not be collected. Our will know better about this. It	
not be collected. Our will know better about this. It occurs to me that the mail logs may be available for that period and may provide	
supplementary information about communication targets by the mail agent.	
I believe we can supply Appendix C insofar as we can supply the items under Appendix B.	b6 b7C
If I understand the request in Appendix D, that information will be contained in the information under Appendix A., insofar as information available to us.	Ē
Additionally, I will ask to offer other logs which may be relevant to the investigation you detailed for us in your "application for" and to offer any other suggestions we initially observed after the situation had been first brought to our attention.	s
We shall begin complying with this order immediately and will await your counsel on the suggestion I offered above, since I would think it in no way hinders your investigation and may well speed up our ability to get the more important logs for your initial inspection.	
Sincerely,	
	b6 b70
For Information Technologies	

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 07-10-2012 BY 60324/UC/baw/sab/aio



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and w	ill return	to the off			scarre 15	out or to

OTHER Sealed Court Documents

SECRET

MAY .. 1 0 1999

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE Date: 04/21/1999	
To: Cincinnati Attn: Evidence Control Center	
Squad 4	
From: Philadelphia Newtown Square Resident Agency Contact: SA	b6 b7C
Approved By:	
Drafted By:	
Case ID #(U) 288-CI-68562 (Pending)	
Title:(U) (S) MOONLIGHT MAZE	
Synopsis: (U) S Forwarding pen register	
Derived From: G-3 Declassify On: X1	
Package Copy: (U) (the pen register	
Tile pell legistel	Ъ3
Enclosures: (U) (X) Enclosed for Cincinnati are	
the pen register	
Details: (U) Philadelphia is forwarding pen register	1
	J

SECRET

Serval 91

ALL FBI INFORMATION CONTAINED



SECRET/NOFORN	
	Ъ7
(U provided the team with a memorandum, of which a transcribed copy is attached to this note, which explained that they would present the evidence to the Prosecutor's Office for a decision about opening a criminal case.	
(U) The MMCG returned from Moscow on 4/10/1999. On 4/15/1999, ALAT contacted to obtain an update on their investigation.	b6 • b70 b70
During the week of have advised the Legat that they will provide him with the intruder's identity after they brief replacement and obtain his approval.	
is scheduled to meet with the NIPC's Interagency Senior Coordinating Group on Monday 4/19/1999, to update them on the MMCG's activities and obtain information from the intelligence community about any recent intelligence collection concerning this matter.	

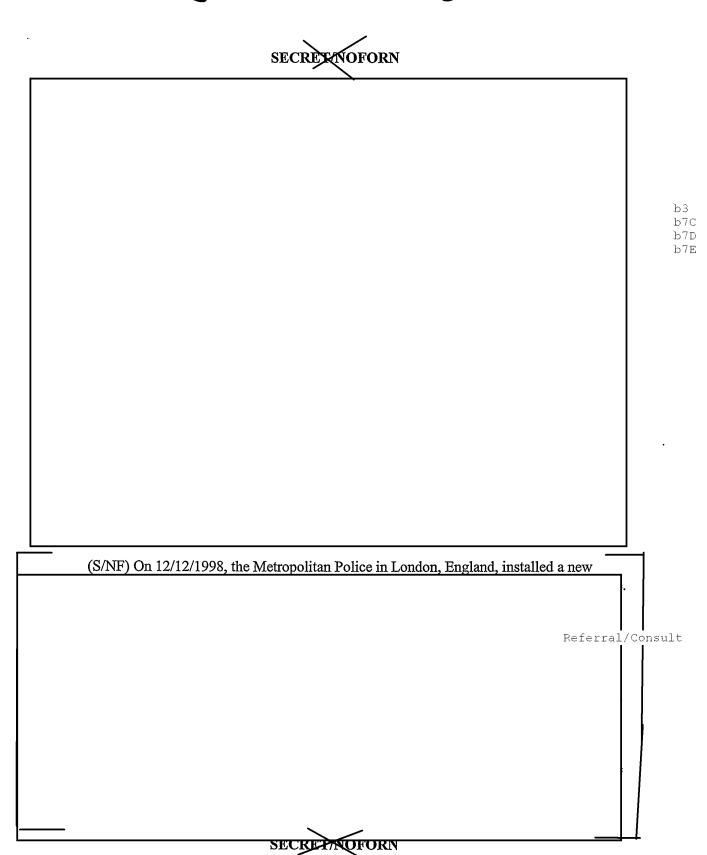
BACKGROUND

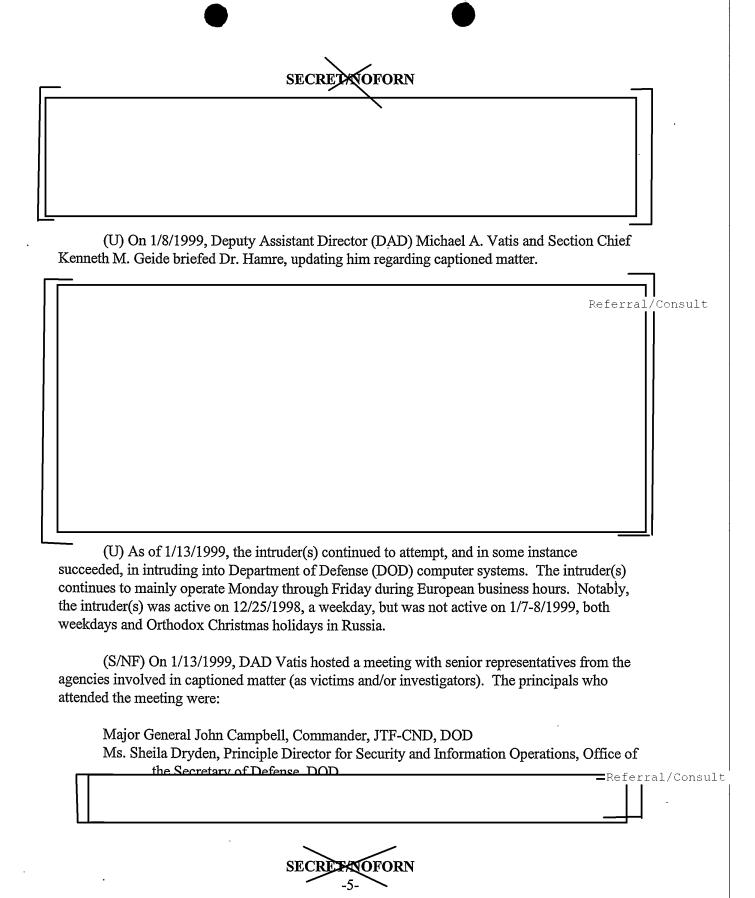
(U) "MOONLIGHT MAZE" is the code name for a number of investigations of intrusions into various military, governmental, educational and other computer systems in the United States, United Kingdom, Canada, Brazil and Germany. Field investigations are being conducted by the Albuquerque, Baltimore, Cincinnati, Jackson, New Orleans, and Springfield. Divisions as Offices of Origin and the Atlanta, Boston, Charlotte, Detroit, Indianapolis, Jacksonville, Knoxville, Mobile, New York, Pittsburgh, Salt Lake City, San Francisco, and Washington Field Divisions as Lead Offices. The National Infrastructure Protection Center

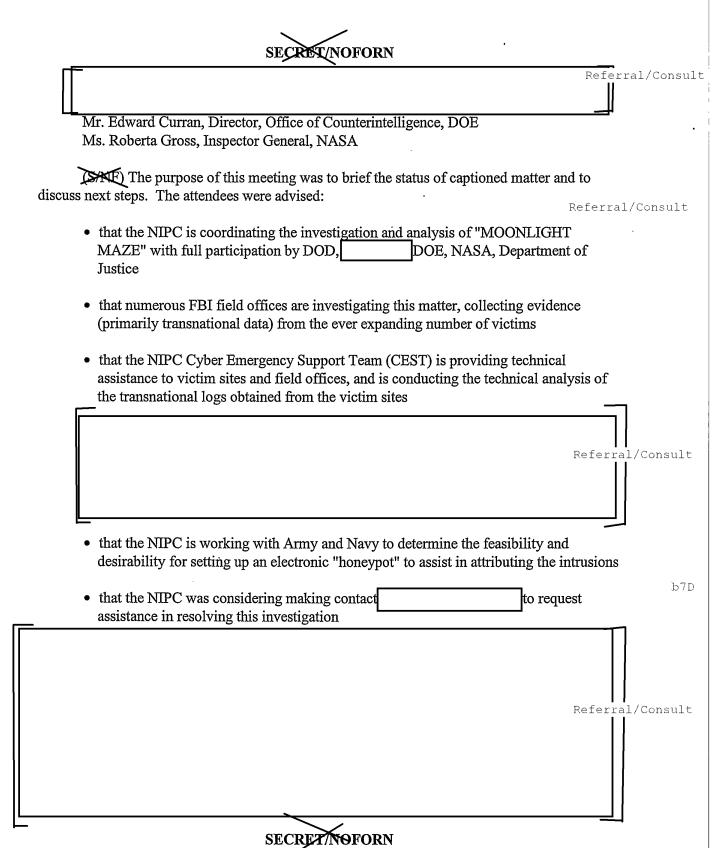




(NIPC) is coordinating these investigations with investigators from the Special Investigations, Army, Naval Criminal Investigative Service, De	
Investigative Service, National Aeronautics Space Administration, Dep	
well as the	The NIPC is also
coordinating internationally	.b7D
	The NIPC has
ensured that Legats London, Moscow and Ottawa are advised of the in	vestigation in their
respective territory.	
(U) These investigations were initiated when intrusions were di	scovered at Wright
Patterson Air Force Base (WPAFB), Ohio, and the Army Research Lab	•
and other unclassified military systems, as well as various governmenta	• • • • • • • • • • • • • • • • • • • •
educational computer systems in the United States.	
(U) The intruder(s) into WPAFB, went through the University of Ohio	of Cincinnati, Cincinnati,
A pen register and trap and trace	b3 b7E
(U) Intrusions into DOE systems include intrusion activity at Lo Laboratory (LANL), Sandia National Laboratory (SNL), Lawrence Liv Laboratory (LLNL), and Brookhaven National Laboratory. DOE's Cor Capability (CIAC) has been active in this incident. Activity on DOE sto unclassified networks.	ermore National nputer Incident Advisory
	b7D
	b7E
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SECRET/DOFORN	_
Referral/	/Consult
During an interview of by his supervisor, on 1/22/1999, he admitted to illicitly downloading files from using his wife's account on 1/15/1999. stated that he did not know that was being monitored when he signed onto the "it" account to obtain a copy of the hacker tools. only had the IP address of where the tools were located. Once signed onto the system followed the intruder's path, in an effort to locate the tools unable to locate the tools in a specific directory, subsequently began searching the intruder's directories for files and downloaded three files to his machine in Ellicott City, Maryland. FBI Baltimore executed a search warrant at residence, seizing five computers, two of which were owned by employer. The systems are being examined by the Computer Analysis and Response Team (CART), Laboratory Division.	b6 b7C b7E
(U) On 1/18/1999, the NIPC was notified from the victimized site in London regarding a compromise at the Brookhaven National Laboratory, located in Long Island, New York. Also compromised the same day was an Army network located in Vicksburg, Mississippi. The compromise was of a super computing center containing Cray and IBM supercomputers. The Army CID is determining the damage to the supercomputers.	b7I
SECRET/NOFORN	

-7-

ı	SECRETATOFORN	
	Referral/	Consult
	(U) On 2/25/1999, the FBI briefed captioned matter to key staff members of the House Permanent Select Committee for Intelligence and the Senate Select Committee for Intelligence. Representatives from and DOD's Joint Task Force - Computer Network Defense (JTF-CND) also participated in these briefings.	
	(U) requested to be told, "without compromising the investigation, what is going on?" asked "Is Weldon exaggerating? How do the recent attacks differ from what has happened so far (Weldon says the 'electronic Pearl Harbor' of which Hamre spoke last year has gone from if to when and the when is today)?" would like to speak to somebody at the Pentagon, "on the record about this." (U) On 2/25/1999, and again on 2/26/1999 attempted to telephonically contact	b6 b7C
	Douglas G. Perritt, Deputy Director, NIPC, in an effort to obtain comment regarding comments attributed to Representative Weldon. Perritt has not responded to telephone calls. (U) On 3/1/1999, Defense Week published an article "Hamre to Hill: 'We're in a Cyberwar'," a copy of which is attached, concerning Dr. Hamre's testimony. The article does not mention the Russian connection, but otherwise captures the gist of Dr. Hamre's testimony.	
	SECRET/NOFORN SECRET/NOFORN	Consult



Referral/Consult

(U) On 3/4/1999, ABC Nightly News and the ABCNEWS.com web site aired a story "Target Pentagon: Cyber-Attack Mounted Through Russia." This report apparently stems from the earlier report, on 3/1/1999, by Defense Week, concerning Deputy Secretary of Defense John Hamre's testimony on "MOONLIGHT MAZE" before the House National Security Committee and the Research and Development Sub-Committee. Other related articles which have also been posted on the web are: "US Currently Under Cyber Attack?" posted by AntiOnline on 3/4/1999; "Pentagon and Hackers in 'Cyberwar'," posted by MSNBC on 3/4/1999; "Pentagon hackers traced to Russia," posted by CNNInteractive on 3/5/1999; "Pentagon 'at war' with computer hackers," posted by CNNInteractive on 3/5/1999; and "Electronic Desert Storm," posted by AntiOnline on 3/5/1999. The New York Times and New York Times Online also posted two articles, "Computer Hackers are Stopped," and "Hacker 'Attacks' On Pentagon May Be More Like Espionage," posted 3/5/1999, and 3/8/1999, respectively, regarding this investigation. A copy of these articles are attached to this note. Reports of information attributed to interviews of Representative Curt Weldon, Chairman, House National Security Committee, and Deputy Secretary of Defense Hamre, have also been aired periodically on CNN Headline News since 3/5/1999. The ABC story reported that "the Pentagon's military computer systems are being subjected too ongoing, sophisticated and organized cyber-attacks. And unlike in past attacks by teenage hackers, officials believe the latest series of strikes at defense networks may be a concerted and coordinated effort coming from abroad." Until Friday, the Defense Department had not publicly acknowledged this latest cyber-war. But in an interview with ABCNEWS, Deputy Secretary of Defense Hamre, who oversees all Pentagon computer security matters, confirmed the attacks have occurred over the last several months and called them 'a major concern.' The ABCNEWS article noted that "this is an ongoing law enforcement and intelligence matter. Officials believe some of the most sophisticated attacks are coming from Russia. Federal investigators are detecting probes and attacks on U.S. military research and technology systems -- including the nuclear weapons laboratories run by the Department of Energy."

(U) The 3/8/1999, New York Times article stated that "In recent weeks, Government officials involved with defense have described a new kind of 'cyberwar' being fought on the



Internet, with unknown hackers unleashing relentless assaults on military computers." This article noted that "... some computer security experts stress that while the hacker activity that the House heard about is a potential threat, calling it an attack could be an overstatement." This article also noted that "The Pentagon has said that, as is the case with the vast majority of hacking attempts, the recent probes did not result in the penetration of any computers storing sensitive information." Representative Weldon is quoted as stating "We know of banks who've had their fire walls broken and money transferred out, and they're not going to talk about it." Representative Weldon noted that the private sector needs to cooperate more with the government "in this area."

	(U) In light of the press coverage, the consensus among the participating agencies was that we had no real choice but to go directly to with a request for assistance to investigate selected intrusion activity captured during this investigation. The NIPC, working with the Department of Justice and other Federal Investigative Agencies,	
		Ъ7D
	The MMCG, described below, prepared an operations	
· N	plan, which was subsequently approved.	
		al/Consult
	(U) In spite of the ABC story on 3/4/1999, intrusions continued. On 3/5/1999, between 0228 and 0906 Eastern Standard Time (EST), there were two intrusions into LLNL, one	
	intrusion into Lawrence Berkeley Laboratory (LBL), and one intrusion into Argonne National	b7E

SECRET/NOFORN

Laboratory passing through Jefferson County Library

SECRETATOFORN	
These intrusions are consistent with other intrusions associated with "MOONLIGHT MAZE." These intrusions are significant in that they occurred well after the national press releases regarding the "MOONLIGHT MAZE."	Ъ7Е
(U) On 3/1/1999, the MMCG was established to strengthen the focus and assessment of the intrusion activities related to this investigation. The MMCG is composed of forty personnel from the following law enforcement, intelligence and Computer Emergency Response Teams (CERT) organizations: JTF-CND, DISA, Department of Justice (DOJ), Department of Energy (DOE), National Aeronautical and Space Administration (NASA), Air Force Office of Special Investigations (AFOSI), Naval Criminal Investigative Service (NCIS), Defense Criminal Investigative Service (DCIS), US Army Criminal Investigative Division (USACID), US Army Military Intelligence (USAMI), Defense Intelligence Agency (DIA), Referral Air Force Information Warfare Center (AFIWC), Navy CERT, Army CERT,	1/Consult
FBI Baltimore, Eurasian Section, National Security Division and the NIPC.	
	b7D
(U) On 4/2/1999, a team from the MMCG deployed to Moscow, Russia to work this matter. The team returned to Washington, D.C. on 4/10/1999. Prior to departure,	. Ъ7D
Managers, Concurrence regarding the investigative teams travel have been obtained from the FBI International Relations Branch (IRB), Legat Moscow and U.S. Ambassador Collins.	l/Consult
(U) I will keep you apprised of significant developments regarding this matter.	
	b6 b7С

NOT APPROPRIATE FOR DISSEMINATION TO THE PUBLIC

FD-302 (Rev. 10-6-95)

- 1 -

FEDERAL BUREAU OF INVESTIGATION

		Date of transcription	3/22/99	_
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pen register				b3

SECRET

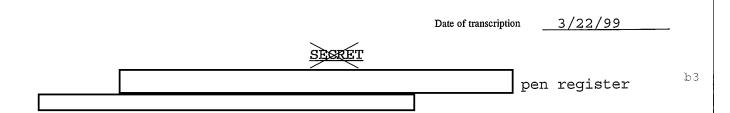
Investigation on 3	/12/99	at Bryn Mawr, PA			
File # 288-CI-6	8562 - 99		Date dictated	3/18/99	b6 .b7c
by SA		:bp			· · · · · · · · · · · · · · · · · · ·

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FD-302 (Rev. 10-6-95)

$\begin{array}{c} -\underline{1} -\\ \hline \end{array}$ FEDERAL BUREAU OF INVESTIGATION



SECRET

Investigation on	3/12/99	at Haverford, PA		
File # <u>288-CI</u>	-68562 > 99		Date dictated	3/18/99
by SA		gc		

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DATE: 07-10-2012

FBI INFO.

CLASSIFIED BY 60324/UC/baw/sab/aio

(01/26/1998)

REASON: 1.4 (b)

DECLASSIFY ON: 07-10-2037

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT

WHERE SHOWN OTHERWISE



FEDERAL BUREAU OF INVESTIGATION

Precedence:	PRIORITY		Date:	05/07/1999	
To: Nationa	al Security		NIPG-CIU, Room		
Moscow			Legat Alat		
Sq	nnati quad 4 ontact: SA				b6 b7C
Approved By:			ì		
Drafted By:		bb			
Case ID #:(U)	288-CI-68562 ÷	(Pending)	100		
Title:(U)-()%(MOONLIGHT MAZE				
Svnopsis:(U)	X				Ъ7D
Enclosures: (I) ×				
					(A)
				_	
pen register	rs		T		
	ived From : G-3 lassify On: X1		:		
brief backyn unauthorized educational United State Infrastructu coordinating pending Fiel	For the information round, captioned matter intrusions into sund and other computer news, United Kingdom, Capter Protection Center of these investigations, and ment Agencies.	er is a d dry milit etwork sy anada and (NIPC), s with FA	code name invo tary, governme ystems through d Europe. The located at FB BI Field Office nvestigators f	lving ntal, out the National IHQ, is es with	100



To National Security From: Cincinnati Re (U) 288-CI-68562, 05/07/1999

The unauthorized computer intrusions were initially discovered at Wright Patterson Air Force Base (WPAFB), Dayton, Ohio, and the Army Research Laboratory (ARL), Maryland.

With respect to the Cincinnati Division's investigation of captioned matter, the intrusions into WPAFB went through the University of Cincinnati (UC), Cincinnati, Ohio.	
A pen register and trap and trace	b3 b7E
(U)	b7E
Referral/C	onsul1
investigators were briefed on the details of the intrusions and were requested to assist in determining the origin of the intrusions.	b6 b7C b7D b7E
	b1 b3



b1 b3

To: National Security From: Cincinnati Re: (U) (S) 288-CI-68562, 05/07/1999

(S) Legat Moscow is requested

SECRET



To: National Security From: Cincinnati Re:(U) (S) 288-CI-68562, 05/07/1999

LEAD (s):

Set Lead 1:

MOSCOW

\mathtt{AT}	MO	SCOW	, RUSS	SIA

(U) (1) Cincinnati respectfully requests that Legat Moscow follow up on SA case summary presentation of captioned matter. Enclosed computer evidence logs are for the benefit of Legat Moscow to assist in their investigation	
log records Original evidence procured is to be sent to the Cincinnati Division for proper dissemination and storage.	b6 b7C b7D
(U) (3) Copies of all correspondence should be directed to the NIPC Unit and the Cincinnati Division. Cincinnati appreciates Legat Moscow's assistance in this matter.	

SECRET



Attn:

We request that we be provided with copies of the computer logs

File No. 288-CI-68562	Office of the Legal Attache United States Embassy Moscow, Russia	
,	10 June 1999	
	·	b6 b7с
Attn:		b7D
	RE: Attacks on U. S. Computer Networks	
Dear		
During the visit of our investigators briefed about additional intrusions into the	s to in April, 1999, your officers were computer network at Wright Paterson Air Force Base.	

Sincerely yours,

WPK/2400

Legal Attache

b6

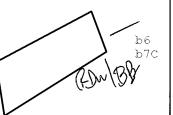
b7D b7E

Ву

Assistant Legal Attache

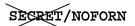
288-CI-6856Z-103





(01/26/1998)







FEDERAL BUREAU OF INVESTIGATION

Precedence: PRIORITY Date: 07/0	08/1999
To: Criminal Investigative Attn: IRU-1, SSA National Security Attn: NIPC, SSA Baltimore Cincinnati	
From: Moscow Contact:	b6 b7c
Approved By:	يد ا
Drafted By:	-t 7. n°
Approved By: Drafted By: (U) 288A-HQ-12668306 (Pending) (U) 288A-BA-95348-W (Pending) (U) 288A-CI-68562 (Pending)	puler for a
Title: (U) MOONLIGHT MAZE	
Synopsis (U) (NF) Use of information in referenced EC.	
Derived From: G-3 Declassify On: X1	
Reference: (U) 288A-HQ-1266830 Serial 56	
Details (NF) Referenced EC from Moscow dated 6/28/99 reported the results of interviews with personnel concerning captioned matter. On 7/8/99 Lega Moscow received a fax requesting how that information could used and reported.	at d be
(U) (X/NF) Referenced communication was classified SECRET/NOFORN in keeping with other communications received FBIHQ. Obviously, dissemination should be in accordance withat classification and the recipient's need to know.	l from ith .
	Ъ7D
SECRET/NOFORN	PET

- CI- 68562-105 ROW/WER

SECRET/NOFORN

Criminal Investigative From: Moscow (U) 288A-HQ-1266830, 07/08/1999 To:

Re:

b7D

LEAD (s):

Set Lead 1: (Adm)

ALL RECEIVING OFFICES

(U) Read and clear.

SECRET/NOFORN

(01/26/1998)

FEDERAL BUREAU OF INVESTIGATION COLUMN 1999

	Precedence:	PRIORITY		3	Date:	10/06/1999)
	To: All Fie	eld Offices	Attn:	•			
wonit	ell · Nationa	al Security	Attn:	SAC SSA NIPC/CIO	s/CIU	(Room 11719))
	From: Newar						
		RA-2			1		
	Approved By:			y wi con	ا سکلیہ	the	b6 b7C
	Drafted By:		9 100	d mi con	4 .	U	
	Case ID #:	288A-NK-99660 288A-HQ-1281779	(Pending) (Pending)				
	ET A MELI	B(S), AKA VICOD	OINES;				
	Synopsis: I	o request all fictims infected	ield offices	to gather ssa Macro	and r Virus.	report	
	Division is identifying Virus ("MMV" including fe respective tinvestigativ	r information o requesting the and reporting d) to corporatio deral, state an erritories. The activities an stigation of th	assistance of amages caused ns, organizat d local gover e following d development	f all field by the Marions and rnment, in is a summa	d offi Melissa agenci their	ces in Macro es,	
	Online ("AOL alt.sex news screen name names of all posting cont document cal MMV. The MM Microsoft Wo send an infe users email	3/26/99, the M ") network news group using a s eged "cracked" p ained a file cal led list.doc. " V infected those rd, Outlook and cted document to address book. "	server throutolen AOL according attachment to pornographic list.zip. The list.doc e using Microroutlook Exprothe first (The compounding)	igh a post count belo to the pos websites. which co document soft Wind ress. MMV (50) addre throughou	ing to nging c The ntaine contai ows, a was c sees i of MM t the	the to the ontained newsgroup d a ned the nd oded to n each V U.S. and	ъ6 ъ7с
	n TEDICIES	20 Julia 199	510 gg	188 M - [- 07.	68562 Je	-/06 - b6 b70
				88 A- W	<u> </u>		

To: All Field Offices From: Newark Re: 288A-NK-99660, 10/06/1999

rest of the world to crash. Systems administrators and Information Technology personnel scrambled to mitigate the effects of MMV on their systems.

On 4/1/99, the Newark Division and the New Jersey State Police (NISP) High Technology Crime Unit arrested pursuant to a state of New Jersey arrest warrant obtained from Monmouth County Superior Court Judge was charged with second degree offenses of interruption of public communication, conspiracy to commit the offense and attempt to commit the offense, third degree theft of computer service, and third degree damage or wrongful access to computer systems relating to the propagation of the computer macro virus known as "MELISSA". Earlier that evening, prior to the arrest of the Newark Division and the NJSP executed a state of New Jersey search warrant at residence	Ъ6 Ъ7С
The initial information leading to the arrest and execution of search warrants came from America Online, Inc., Dulles, VA, contacted the State of New Jersey Attorney General's Office with lead information with respect to MELISSA. The State Attorney General's Office enlisted the NJSP High Technology Crime Unit who in turn enlisted the assistance of the Newark FBI NIPC squad. Additionally. Newark and the NJSP have executed search warrants at	
On 4/16/99, Newark and the NJSP seized from AT&T (14) back-up cartridges and other computer evidence from The District of New Jersey U.S. Attorney's Office and the Attorney General's Office for the state of New Jersey anticipate returning simultaneous indictments on or about October 31, 1999. To aid the prosecution, it has been requested that Newark obtain detailed victim information relating to damages caused by the Melissa Macro Virus. This information is critical to the prosecution of captioned subject(s).	Ъ6 Ъ7С
Questions regarding this communication should be directed to SA Newark Division's NTPC Squad at Franklin Township RA, telephone	b6 b7C

To: All Field Offices From: Newark

Re: 288A-NK-99660, 10/06/1999

LEAD (s):

Set Lead 1:

· ALL RECEIVING OFFICES

Newark requests all field offices to identify victim corporations, organizations and agencies, including federal, state and local government, in their respective territories infected by the Melissa Macro Virus ("MMV"). Newark recognizes that this is an inherently difficult task and asks field offices to utilize liaison contacts, including those developed through the Key Asset and InfraGard Programs where applicable. Field divisions are also asked to identify and follow-up on any complaints previously received relating to MMV and report those instances to Newark. If necessary, Federal Grand Jury subpoenas will be made available when requested.

Victims should report, in dollars, their best calculation of the damages caused by MMV. Victims may be asked to verify their reported damages in federal court. Information requested should detail the nature and extent of damages caused by MMV including, but not limited to, the following areas: email servers, desktop computers and other computer hardware affected; computer system downtime; personnel time, including overtime, for corrective action; lost productivity; lost contracts and missed business opportunities; diminished profits; consulting expenses; infrastructure costs; lost customers; and sensitive data leakage.

Set Lead 2:

NATIONAL SECURITY

AT WASHINGTON, DC

NIPC/CIOS/CIU - Read and clear.

(Mount Cipping in Space Below)

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DATE 07-10-2012 BY 60324/UC/baw/sab/aio

(Indicate page, name of page 52 newspaper, city and state.) Page 52
NEWSWEEK MAGAZINE

Date: 9/20/99 Edition: Final:

THE: "MOONLIGHT MAZE"

Character. 288 A-C1-68562

Classification:

Submitting Office: Cincinnati

Indexing:

'we're in the middle of a cyberwar'

RUSSIAN HACKERS MAY HAVE PULLED OFF WHAT COULD BE THE MOST DAMAGING BREACH EVER OF U.S. COMPUTER SECURITY

BY GREGORY VISTICA

"Moonlight Maze," an appropriately cryptic name for one of the most potentially damaging breaches of American computer security ever—serious enough for the Department of Defense to order all of its civilian and military employees to change their computer passwords by last month, the first time this precaution has ever been taken en masse. The suspects: crack cyberspooks from the Russian

Academy of Sciences, a government-supported organization that interacts with Russia's top military labs. The targets: computer systems at the Departments of Defense and Energy, military contractors and leading civilian universities. The haul: vast quantities of data that, intelligence sources

familiar with the case tell NEWSWEEK, could include classified naval codes and information on missile-guidance systems. This was, Pentagon officials say flatly, "a state-sponsored Russian intelligence effort to get U.S. technology"-as far as is known, the first such attempt ever by Russia. Washington has not yet protested to Moscow. But Deputy Secretary of Defense John Hamre, who has briefed congressional committees on the investigation, has told col-



leagues: "We're in the middle of a cyberwar."

In a cyberwar, the offensive force picks the battlefield, and the other side may not even realize when it's under attack. Defense Department officials believe the intrusions, which they describe as "sophisticated, patient and persistent," began at a low level of access in January. Security sleuths spotted them almost immediately and "back-hacked" the source to computers in Russia. Soon, though, the attack-

ers developed new tools that allowed them to enter undetected (although they sometimes left electronic traces that could be reconstructed later). Intelligence sources say the perpetrators even gained "root level" access to some systems, a depth usually restricted to a few administrators.

After that, "we're not certain where they went," says GOP Rep. Curt Weldon, who has held classified hearings on Moonlight Maze.

As a federal interagency task force begins its damage assessment, a key question is whether the Russians managed to jump from the unclassified (although non-public) systems where they made their initial penetration into the classified Defense Department network that contains the most sensitive data. Administration officials insist the "firewalls" between the networks would have prevented any such intrusion, but other sources aren't so sure. Besides, one intelligence official admitted, classified data often lurk in unclassified databases. With enough time and computer power, the Russians could sift through their mountains of pilfered information and deduce those secrets they didn't directly steal. That's one more thing to worry about, although security officials admit that they have a more pressing concern. The intruders haven't been spotted on the network since May 14. Have they given up their efforts-or burrowed so deeply into the network that they can no longer even

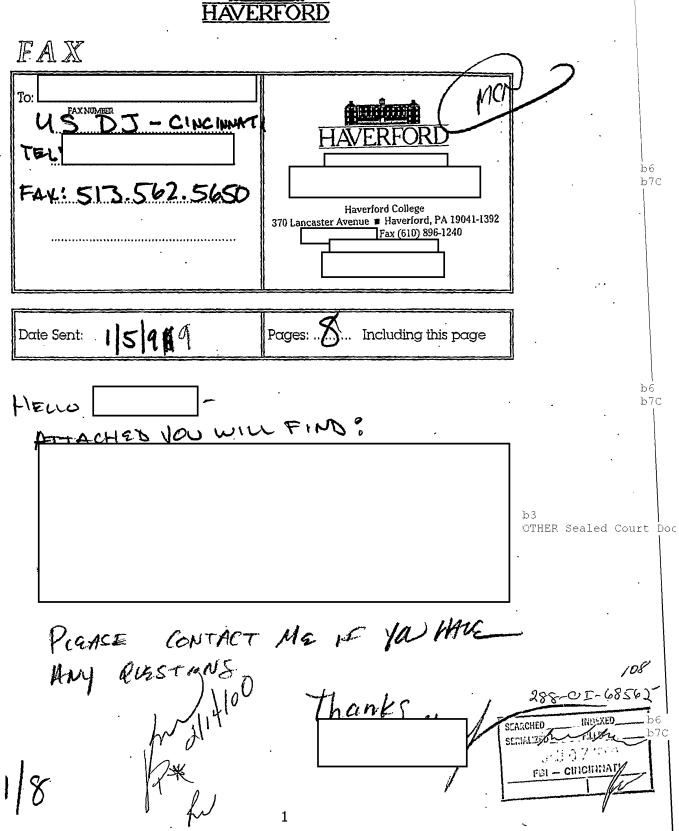
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288A-CI-68562-107

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PAGES 3 AND 4 OF DAILY REPORT ONLY

- DailyReport08

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Chinese hackers to enter the country's security systems. "We have set up a round-the-clock monitor system and installed various security programs and firewalls to keep the Chinese Communists from trying to disrupt our networks," said Chang Chia-sheng, the defense ministry's cyber information head. The military and security networks are independent with no links to the Internet, making it difficult for Chinese hackers to sabotage, Chang said. Taiwan's security authorities have discovered more than 7,000 recent attempts by Chinese hackers to enter the island's security and military systems through Internet Web sites, Chang said.

Military - NTR

U.S. SECTOR INFORMATION:

Banking and Finance - (U) (Newsbytes, 7 March) Although some reports seem to indicate that online banking is not having the acceptance once predicted for this online service, a recently released report to an Independent Community Bankers of America conference by Grant Thornton, LLP, a major accounting and management consulting firm, states that community banks recognize the need to use the Internet to serve and retain customers. In an interview with Newsbytes, Linda Garvelink, director of marketing for financial services at Grant Thornton, defined "community banks" as those which are focused on their local communities, are independent in attitude and direction, and generally have assets under \$10 billion. The banks participating in the survey have average assets for 1999 of \$195 million, and nearly two-thirds are privately held. The Grant Thornton survey found that, by the end of 2000, 78 percent of community banks will have a Web site - a substantial increase from the 55 percent that had Web sites at the end of 1999.

Telecommunications - NTR

Electric Power - NTR

Transportation - NTR

Gas & Oil Storage Distribution - NTR

Water Supply - NTR

Emergency Services - NTR

Government Service - NTR

SECTION B - INTRUSION INCIDENT REPORTING / LAW ENFORCEMENT

<u>SENSITIVE</u> (Information in this Section is for FBI use, controlled by the originator, and not to be disseminated without the written approval of the NIPC) - NTR

SECTION C - CLASSIFIED

(U) (NF) (JTF-CND, 7 March) JTF-CND J2 assesse	s that the series of intrusions investigated as
Moonlight Maze is more than likely a manifestation	

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288A + 1 - 6856 2 - 110 ROW/WEP

b7D

SECRET/NOFORN

b7D

Derived from Source Document
Declassify on: XI, X3, X5, X6, X7

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DATE 07-10-2012 BY 60324/UC/baw/sab/aio

ECFVA0M0

03/31/00 11:19:27

iew Document Attributes

Orig. Office : DG Responses: Document Type : EC Text . . : Document Date: 07/06/99 FIF . . :

To : NATIONAL SECURITY From . . . : NATIONAL SECURITY

Case ID . . . : 288A-CI-68562 * Serial: 111 Topic . . . : TO REQUEST SECTION CHIEFS APPROVAL OF THE OPERATIONS

Author . . . :____ b6 b7C Approver . . :

Ref. Case ID : Serial:

Class Level: SN Authority: Duration: Rule 6(e).: Caveats.: FD-501.: SCI :

Secure Doc. :

Command . . . > +

F1=Help F3=Exit F4=Prompt F6=Multv F12=Cancel F14=List F16=NextDoc

288A-CI- 68562-111

SECRET

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE	Date: 03/28/2000
To: Cincinnati	Attn: ECT
From: Cincinnati Squad 4 Contact: SA	ъ6 ъ7с
Approved By:	
Drafted By:	bb
Case ID #(U) (X) ,288A-CI-68562	(Pending Inactive)
Title (U) MOONLIGHT MAZE	
	for tardiness of evidence returned to corage room beyond the ten day rule.
(U) S Derived F Declassif	rom: G-3 y On: X1
of all pending CI Division ca communication addresses the r	on of the file, pursuant to a review ases with evidence collected, instant reason for collected evidence sevidence storage room beyond the
that the collected evidence w Force Office of Special Inves that the CI FBI Division did working copies of computer da result, the collected evidence	ne Chain of Custody, FD-192, reveals was returned to the United States Air stigations (AFOSI), upon learning not have the capability to duplicate at disks and cartridges. As a see was furnished to AFOSI and was in Washington D.C. for analysis FBI Field Office for proper
(U) (S) The aforementi the short delay in returning Division's storage room.	oned response unequivocally explains collected evidence to the CI
**	SECRET 1889-CI-68562-112

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PAGE 1 OF DAILY REPORT ONLY

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Electric Power -

Transportation -**Telecommunications** - NTR Banking and Finance - NTR Gas & Oil Storage Distribution - NTR Water Supply - NTR **Emergency Services** - NTR Government Service - NTR

SECTION B - INTRUSION INCIDENT REPORTING / LAW ENFORCEMENT SENSITIVE (Information in this Section is for FBI use, controlled by the originator, and not to be

disseminated without the written approval of the NIPC)

(U)	SECTION C- CLASSIFIED - (NF) (NCIS, 5 April)

SECRET/NOFORN

288A-C1-68562-1/3



FEDERAL BUREAU OF INVESTIGATION

Precedence:	ROUTINE	Date: 10/10/2000
To: eincinna	ti	
_	nati ad 4 tact: SA) b6
Approved By:		ље Ъ7
Drafted By:		
Case ID #:(U)	🕱 288A-CI-68562 (Pendir	ng Inactive)
Title(U)	MOONLIGHT MAZE	
Synopsis: (U) Some captioned mat	Claiming statistical acter.	ccomplishments concerning
(U) (X)	Derived From: G-3 Declassify On: X1	3
was initiated 1998 and exte several stati until the int accomplishmen	During the course of cape at the CI Division, commending up and through the stical accomplishments were croduction of the new FD-54 ts could be highlighted and the Statistical accomplished.	years 1999 and 2000, re earned. It was not 42 form that these nd claimed as statistical
(U) (X)	1.	
(U) (U) (V) (U) (V) (U) (U) (U) (U) (U) (U)	restigation (stat previous)	A Joint ly claimed, Serial 27). b3 b6 b7
(U)	5. Eleven (11) NIPCIP 2	2703(f) Orders obtained.
,	SECRET	This EC: Initials Date Is OK to Upload Of 10/16/00 Was Uploaded By 10/16/00

To: Cincinnati From: Cincinnati Re:(U)(X) 288A-CI-68562, 10/10/2000

wsu.	(U) (U)	6.	Two	(2)	NIPCIP	2703(f)	Orders	served	at	UC	and
	/III)							_			

Pen Register/Trap and Trace

b3

(U) (S) 8. One (1) NIPCIP Foreign Source IP Address Identified.

9. One (1) NIPCIP Subject Identified (Non-US Person).

(U) (x) 10. One (1) NIPCIP Subject Tool/Exploit/Malicious Code Identified.

(U) 11. Ten (10) or more Positive Intelligence Reported/Disseminated to U.S. Intelligence community.

SECRET



To: Cincinnati From: Cincinnati Re:(U) 288A-CI-68562, 10/10/2000

Accomplishment Information:

Number: 11
Type: ITU: LIAISON WITH OTHER AGENCY ITU: NIPCIP Claimed By: SSN:
Name: Squad: 4
Number: 2 Type: ITU: LIAISON WITH OTHER AGENCY ITU: NIPCIP Claimed By: SSN: Name: Squad: 4
Number: 11 Type: NIPCIP 2703(f) ORDER SERVED ITU: LIAISON WITH OTHER AGENCY ITU: NIPCIP Claimed By: SSN: Name: Squad: 4
Number: 2 Type: NIPCIP PEN REGISTER TRAP AND TRACE SERVED ITU: LIAISON WITH OTHER AGENCY ITU: NIPCIP Claimed By: SSN: Name: Squad: 4
Number: 1 Type: NIPCIP FOREIGN SOURCE IP ADDRESS IDENTIFIED ITU: LIAISON WITH OTHER AGENCY ITU: NIPCIP Claimed By: SSN: Name: Squad: 4
SECRET

3

b3 b6 b7C

b6 b7C



To: Cincinnati From: Cincinnati Re: (U) 288A-CI-68562, 10/10/2000

Number: 1 Type: NIPCIP SUBJECT IDENTIFIED ITU: LIAISON WITH OTHER AGENCY ITU: NIPCIP Claimed By: SSN: Name: Squad: 4 Number: 1 Type: NIPCIP SUBJECT TOOL/EXPLOIT/MALICIOUS CODE IDENTIFIED ITU: LIAISON WITH OTHER AGENCY ITU: NIPCIP Claimed By-SSN: Name: Squad:

Number: 10

Type: POSITIVE INTELLIGENCE (DISSEMINATED OUTSIDE FBI)

b6

b7C

ITU: LIAISON WITH OTHER AGENCY

ITU: NIPCIP

Claimed By:
SSN:
Name:
Squad: 4

**

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DATE 07-11-2012 BY 60324/UC/baw/sab/aio

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE	Date:	03/01/2001	
To: √Cincinnati			
From: Philadelphia Newtown Square Resident Agency Contact: SA			b6
Approved By:			b7I
Drafted By:			
Case ID #: 288A-CI-68562 (Pending) 288-PH-C85787 SUB E (Pending)			
Title: MOONLIGHT MAZE			
Synopsis: Report statistical accomplishment	ts.		
Details:			b3
		<u>a Pen</u>	b6
Register/Trap and Trace			b70

288A-CI- 68562-115 READ & CREAR VON 3/19/01 To: Cincinnati rrom: Philadelphia Re: 288A-CI-68562, 03/01/2001

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Accomplishment Information:

Number	<u>: 1 </u>		
Type: ITU:			
Claime	d By:		
	SSN:		
\mathbf{N}	Tame:		
5	Squad:	NSRA	

b3 b6 b7C

Number: 1

Type: NIPCIP PEN REGISTER TRAP AND TRACE SERVED

ITU: NIPCIP
Claimed By
SSN:
Name:
Squad: NSRA

Cincinnati Pom: Philadelphia 288A-CI-68562, 03/01/2001 To:

LEAD(s):

Set Lead 1: (Adm)

CINCINNATI

AT CINCINNATI

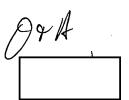
Read and clear.

cc: SSA sQ g b6 b7C

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FEDERAL BUREAU OF INVESTIGATION

Precedence:	ROUTINE	Date:	01/09/200)8	
To: Cincinn		ctn: ECT			
-	nnati uad 13 ntact:				b6 b7C
Approved By:	Visi	P			
Drafted By:		·			
Case ID #: 2	88A-CI-68562 (Pending	g Inactive) - 116			
	FORCE INSTITUTE OF TECH LIGHT MAZE	INOLOGY			
Synopsis: T	o reassign case.				
	r SSA this case purposes of disposing	se is being reas g of pending evi		011	b6 b7C



b6 b7C

Case reassigned 1/9/08

To: Cincinnati From: Cincinnati Re: 288A-CI-68562, 01/09/2008

LEAD(s):

Set Lead 1: (Action)

CINCINNATI

AT CINCINNATI, OH

Please coordinate with ECT to properly dispose of all pending 1B's.

b6

b7C

Set Lead 2: (Info)

CINCINNATI

AT CINCINNATI, OH

Read and Clear.

**

ORIGINAL

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DATE 07-11-2012 BY 60324/UC/baw/sab/aio

288A-CI-68562 /\\\

#JK:jk

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The following Agent on	g investigation wa January 10, 2008,	as conducted b at Cincinnat	y Special i, Ohio:	b6 b7C
	ating Agent spoke			
Task Force Officer	United	States Air Fo	rce	
Office of Special Inves	stigations, concer	rning the disp	osal of	
evidence associated wit				
reported that she would	d confer with her	evidence hand	ling	
personnel to determine	proper steps for	the dispositi	on of	
this evidence		~		

This footnote also confirms that this email message has been swept by MIMEsweeper for the presence of computer viruses.

DERIVED FROM: G-3 FBI Classification Guide G-3, dated 1/97, Foreign CounterIntelligence Investigations

DECLASSIFY ON: 20330115

the system manager.

SECRET

å	A . E	ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED	
ſ	•	DATE 07-11-2012 BY 60324/UC/baw/sab/aic)
	(CI) (FBI)		
•	From: Sent: To: Subject: Coldon Co		•
	SENSITIVE BUT UNCLASSIFIED NON-RECORD		
	CI-75935 - Do not Close - SA CI-75975 - Do Not Close - SA CI-71802 - Do Not Close - SA has 2 1B items remaining paper/CP has 22 items remaining in this case	naining in this case. PU	
	CI-75438- Do Not Close- SA has four 1B that contain CPU/CD/pa	aper items/index cards	
	CI-73956- Do Not Close- SA this case requires an EC to destroy 1B	3 3,4-cd, 5-cds, 8, 9, 10; 1B 1,2,4, 5-camera,6,7	
	CI-68562- Do Not Close- SA just had this case reassigned to him to o		
	CI-76878- Okay to Close- SA has taken care of all the	e evidence in this case.	
	If you have any other questions please email me.		b6
	Thanks for checking		b7C
	C-5	3008	
	From: (CI) (FBI) Sent: Monday January 28, 2008 10:07 AM To: (CI) (FBI) Subject: Evidence Checks		
	SENSITIVE BUT UNCLASSIFIED NON-RECORD		
	Can you please check the following cases for pending evidence:		
	196E-CI-75935 305B-CI-75975 288A-CI-71802 305C-CI-75438 305A-CI-73956 288A-CI-68562 305C-CI-76878		
,	Γhanks,		

288A-CI-6882-119 /1840

SST -	Cincinnati CYBE	R Squad 13
Desk		1
Fax -	513-562-5659	

b6 b7C

"Be more concerned with your character than with your reputation, because your character is what you really are, while your reputation is merely what others think you are." John Wooden

SENSITIVE BUT UNCLASSIFIED

SENSITIVE BUT UNCLASSIFIED

(Rev. 06-04-2007)

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE	Date: 02/05/2008
To: Cincinnati	Attn: Evidence Custodian ASAC
From: Cincinnati Squad 13 Contact: SA	
Approved By:	 *
(K. 5-leDrafted By:	
Case ID #: 288A-CI-68562 (Pend	ing) — 120
Title: MOONLIGHT MAZE;	
Synopsis: To order destruction	of stored evidence.
Details: Following discussions Special Investigations Special A no objections were lodged and co Counsel Michael Brooks, evidence inclusive are ordered destroyed. documentation and computer disks All have been in storage since b	gent in which nsultation with Chief Division items 1B1 through 1B16 These items consist of related to the instant case.



b6

b7C



To: Cincinnati From: Cincinnati Re: 288A-CI-68562, 02/05/2008

LEAD(s):

Set Lead 1: (Action)

CINCINNATI

AT CINCINNATI, OH

Evidence Custodian should destroy the evidence items described above.

b6

b7C

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE Date: 02/22/2008

To: Cincinnati

From: Cincinnati

Squad 13
Contact: SA

Approved By:
Drafted By:

Case ID #: 288A-CI-68562 . (Pending)

Title: MOONLIGHT MAZE;

Synopsis: To close case.

Reference: 288A-CI-68562 Serial 120

Details: Per the referenced Serial, all evidence collected

during this investigation has been destroyed. All

investigative activity is complete and this case should be

closed.

0-6

Case Closed 2/28/08

FEDERAL BUREAU OF INVESTIGATION FOIPA DELETED PAGE INFORMATION SHEET

No Duplication Fees are charged for Deleted Page Information Sheet(s).

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Total Deleted Page(s) ~ 102
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Page 9 ~ Duplicate
Page 10 ~ Duplicate
Page 11 ~ Duplicate
Page 12 ~ Duplicate
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Page 14 ~ Duplicate
Page 15 ~ Duplicate
Page 16 ~ Duplicate
Page 17 ~ Duplicate
Page 18 ~ Duplicate
Page 33 ~ b6, b7C, b7E
Page 34 ~ b7E
Page 35 ~ b7E
Page 36 ~ b7E
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Page 48 ~ b7E
Page 49 ~ b7E
Page 90 ~ b7D
Page 91 ~ b7D
Page 98 ~ b6, b7C, b7E
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- Page 151 ~ b7E
- Page 152 ~ b7E
- Page 153 ~ b7E
- Page 154 ~ b7E
- Page 155 ~ b7E
- Page 156 ~ b7E
- Page 158 ~ Duplicate
- Page 166 ~ b3

Sealed Court Documents

- Page 167~b3
- Sealed Court Documents

Page 168 ~ b3

Sealed Court Documents

Page 169 ~ b3

Sealed Court Documents

Page 170 ~ b3

Sealed Court Documents

Page 171 ~ b3

Sealed Court Documents

Page 172 ~ b3

Sealed Court Documents

Page 173 ~ Referral/Direct

Page 174 ~ Referral/Direct

Page 175 ~ Referral/Direct

Page 192 ~ Referral/Direct Page 193 ~ Referral/Direct