INDEX COPY





92 (Hev. 6-9-82)		
	SECRETI	Date
Title and Character of Case		01/08/87
UNSUBS; UNAUTHORIZED USE OF GOV	ernment Computer System	b3
IN LAWRENCE BERKELEY LA		b6 per FBI, DOE
		Ь7С Ь7Е
00: AX		5,5
	From Which Property Acquired	
	lifford STOLL, Computer Syst ley Laboratory, Berkeley, CA	
Location of Property or Bulky Exhibit	Reason for Retention of Property an	
		a morte made to propose of came
	Original Evidence	
7-45 to 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	signed Case
X Yes No SA	v, Oakland RA TY AX Div	delen MO Giber
☐'Yes ☑ No Grand Jury Material - [Disseminate Only Pursuant to Rule 6(e), Feder	ision, HO City Tal Bules of Criminal Procedure
	,	1.0.00 0. 0
Description of Property or Exhibit	•	
traffic from UNSUB w to 01/04/87, 14:05:5 2. Eight continuous pag FTW \$2" and containi UNSUB while on LBL c 01/07/87, unknown ti AND HOTHING ELSE For Valuable and/or Narcotics Evidence	es of 11% x 15" computer pap ng original printout of all omputer during the period, 01 me. se Only Signature of Two	period 01/04/87, 12:52, er marked "JAN 08, 1987 terminal traffic from /07/87, 15:52:18.24 to SEARCHED NOEXED SERIALIZED JILED JAN 29 1987 EBT - ALEXAND
Evidence Bag Seal #		b6
	Verifying and Sealing	ъ7
	Bag Contents	b7
Field File #	ERTIFICATION TO JUSTIFY RETENTION OF	PROPERTY (Initial and Date) 1914-999-180 SEARCHE STA IMPEX FILED JAN 1 2 1987
00: <u>AX</u>		

CG 264B-2

on 8/11/87, by GREG CHARTRAND, Manager of NETWORKING SYSTEMS, FERMI NATIONAL ACCELERATOR LABORATORY (FNAL), Batavia, Illinois, regarding a VAX computer system located at FNAL which was accessed and modified by intruders during July and early August, 1987. It is believed that the intrusion or "hacking" was perpetrated by captioned subjects, who are located in Hannover and Hamberg, West Germany. The LHM sets forth lead requests for Legats Bonn and Rome in an attempt to identify the intruders. The Bureau is requested to forward appropriate copies of this communication and the LHM to Legats Bonn and Rome as indicated.

The Alexandria Division is requested to furnish the Chicago Division with any and all pertinent information in its files concerning the CCC, including background information on the organization and descriptive data on known members.

ዀFD-36˚(Rev. 8-29 • • • • • • • • • • • • • • • • • • •	9-85)	FBI	\Diamond	,
	TRANSMIT VIA: ☐ Teletype ☐ Facsimile ☐	PRECEDENCE: Immediate Priority Routine	CLASSIFICATION: TOP SECRET SECRET CONFIDENTIAL UNCLAS E F T O UNCLAS Date 12/22/86	#4160
1	EM ALEVANDETA (1	OÉA MINT	•	1
2	FM ALEXANDRIA (19	•		
3	TO DIRECTOR IMMEI	•		-
4	BT BT	FIT	•	,
5	UNCLAS		•	-
6	ATTENTION:	WHITE COLL	*AR CRIME SECTION, CRIMI	IMAT. b
7	INVESTIGATION DIV		HIL OUTUB DEOUTON, OUTIN	rnal P.
8		• •	ENT COMPUTER SYSTEMLIN	
9		/	ORY, BERKLEY, CALIFORNI	TA:
10	FBW; (00:AX)		-	
11		ORMATTON OF THE BUR	EAU, ALEXANDRIA INVESTI	IGATTON .
12]'	er	COMPUTER SYSTEMS, ORIG	
13		·	LEY LABORATORIES, BERKI	
14			ING NUMEROUS ENTRIES OF	,
15	•		TEMS LOCATED AT BERKLEY	
16		•	ONGOING AND IDENTIFIED	
17			UNKNOWN AS TO WHETHER	
18	-		 	
19	1 Alexandria	1	196H-99	9
20			SEMNCHED DEPENED	
21				
	Approved: _	Transmitted (Num	Per (Time)	b3 b6 b7

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TRANSMIT VIA:

☐ Teletype

FBI

PRECÈDENCE:

☐ Immediate

CLASSIFICATION:

☐ TOP SECRET

☐ Facsimile	☐ Priority ☐ Routine	☐ SECRET ☐ CONFIDENTIAL ☐ UNCLAS E F T O ☐ UNCLAS Date	
PAGE TWO AX 196A-	-NEW UNCLAS	-	
NOT A SINGLE PERS	SÓN IS INVOLVED.	THE PERSON IS USING A CO	OMPUTER
ON A REGULAR BASI	S TO ENTER DIFFER	ENT COMPUTER SYSTEMS OF	ERATED
BY THE LABORATORI	IES FOR THE DEPARTI	MENT OF ENERGY. INVEST	IGATION
BY LAWRENCE BERKI	LEY LABS AND TELEPI	HONE AUTHORITIES IN	_
CALIFORNIA HAVE 3	DENTIFIED CALLS O	RIGINATING FROM MITRE	
CORPORATION, MCLE	EAN, VIRGINIA. ON	TWO OCCASIONS WHEN NET	WORKS
AT MITRE WERE CLO	DSED, THE PERSON W.	AS IDENTIFĮED AS ORIGIN	ATING
THE COMPUTER CON	VECTION FROM WEST	GERMANY, UTILIZING ANOT	HER
SWITCHING NETWORK	WHICH IS EQUIVAL	ENT OF THE TYMNET DATA	· -
NETWORK IN WEST	BERMANY. BASED UP	ON A MEETING WITH MITRE	
CORPORATION OFFI	CIALS, IT WAS DETE	RMINED THAT UNAUTHORIZE	D
PERSONS WERE USIN	NG MODEMS LOCATED	INSIDE MÎTRE FACILIȚIES	;
IN MCLEAN, VIRGI	NIA, TO DIAL COMPU	TERS AT LAWRENCE BERKLE	Ÿ
LABORATORIES. I	r was determined t	HAT OTHER GOVERNMENT AN	D
DEFENSE DEPARTMEN	NT COMPUTERS WERE	ALSO BEING DIALED BY TH	ESE
MEANS ALL OF TH	HESE CONNECTIONS T	HROUGH MITRE CORP ARE	
BELIEVED TO ORIG	INATE FROM THE WES	T GERMAN COMPUTER SWITC	HINĠ
SYSTEM.		NORTHERN VIRGINIA,	ь6 b7С
TELEPHONE	HAS BEEN	WORKING WITH	□ b ⁷ D
то т	TRANTEY THE SOURCE	OF THE COMPUTER PENETR	AMTON

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TRANSMIT VIA:



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PRECEDENCE:

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★CLASSIFICATION:

Teletype Facsimile.	☐ Immediate ☐ Priority ☐ Routine	☐ TOP SECRET ☐ SECRET ☐ CONFIDENTIAL ☐ UNCLAS E F T O ☐ UNCLAS Date
PAGE THREE AX 19	66A-NEW UNCLAS	•
HE IS THE POINT	OF CONTACT FOR THE	LONG DISTANCE TRACING USING
THE TYMNET NETWO	ORK IN THE UNITED ST	ATES. IT IS THOUGHT THAT
	. •	WAS MAKING THE CALLS TO
MITRE CORPORATIO	ON AND FINALLY TO LB	L LABORATORY.
NEEI	O TO BE ADVISED OF T	HE HIGH SENSITIVITY OF
THE DATA CONTAIN	NED ON THESE GOVERNM	ENT COMPUTER SYSTEMS. AS
OF YET NO CLASS	FIED DATA HAS BEEN	OBTAINED BUT, INTERFERENCE
OF THE OPERATION	OF GOVERNMENT COMP	UTERS HAS OCCURED. THIS
IS A VIOLATION (DF USC 18, SECTION 1	030, AND IS A FELONY OFFENSE.
LEADS: BOI	NN: AT BONN, WEST G	ERMANY: LEGAT BONN
-	TACT THE FOLLOWING	·
		NY TELEPHONE CONNECTION.
	•	ON SO ALEXANDRIA CAN GIVE
TO HEROED.	TO THOUTHE HTHTP	ON DO WHEWMINDLTH OWN ATAR
	a in the same and	
		BREMEN PUBLIC PROSECUTOR;
STAATSANWALT SCA	AFT, BI. HIS NAME I	S, [
TELEPHONE	NUMBER	HIS DOCIT NUMBER
IS	a	·
pproved:	Transmitted (Nu	Permber) (Time)

FD:3	6 (Rev. 8-29	85)
·	" Per	TRANSMIT VIA: PRECEDENCE: CLASSIFICATION:
74		☐ Teletype ☐ Immediate ☐ TOP SECRET ☐ Facsimile ☐ Priority ☐ SECRET ☐ Routine ☐ CONFIDENTIAL
e -		☐ UNCLAS E F T O ☐ UNCLAS ☐ UNCLAS ☐ Date
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FEDERAL BUREAU OF INVESTIGATION

-	Date of transcription 5/7/87
Berkeley, California, telephonical.	RENCE BERKELEY, Laboratory, ly contacted Special is home, and provided
STOLL advised that his of for information concering SDINET. the request was received by his see the letter and gave it to him. The 21. 1987, and was addressed to the and is signed by letter bears the letterhead of TRIA and shows the address as 6512 Venture.	cretary and she opened e inquiry was dated April attention of The original AM INTERNATIONAL, INCORPORATED, b6
The letter from numerous documents related to SDI that the documents requested by that the descriptions listed in his to a set of descriptions he placed his computer in Berkeley, Californ he had created a series of document California, and that on January 16 were read by a person who had far capabilities of his computer system these documents in order to trap as originating from antunauthorized whis computer systems are owned and of Energy.	do not exist and sletter are nearly identical in a form letter on ia. STOLL stated that ts on his computer in , 1987, the documents exceeded normal user m. STOLL had created nd trace phone calls seriofchisucomputeresystems.
The documents concerning system were not available to be via the computer system. All of the deareas and only available to the perentire computer system known as the advised that the computer intruder read all of his fictious network can form letter on how to receive SD	ocuments were in private rson controlling the e system operator. STOLL on January 16, 1987, communications including
STOLL advised that he a documents up until January 16, 198	
Investigation on 4/27/87 Alexandr	Alexandria 196A-999-20
bySA	4/29/87

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

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Continuation of ED-302 of __

AX 196A-199

Dr. CLIFFORD STOLL

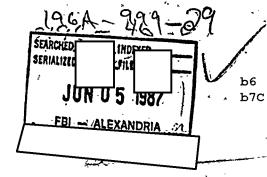
4/27/87

е.....

have been made for information concerning this network project due to the fact that STOLL has kept it a closely guarded secret. He advised that no one other than himself has readdthis mailland that tonly his direct supervisor acknowledged that it existed on the computer.

STOLL advised that the inquiry he received from BALOUGH shows that the original intruder on January 16, 1987, must have kept a perminent record of the information he viewed on the LBL computer system. The request he received was nearly identical in content to the letter that had been viewed on January 16, 1987, up to the point of including the numeric notations and exact dates of the documents. STOLL advised that he would forward a copy of the documents to Alexandria, FEDERAL BUREAU OF INVESTIGATION (FBI), and that he would include a photocopy of the information that the original intruder on January 16, 1987, had viewed on his LBL computer system.

FΒ	CLASSIFICATION AUTHORITY DERIVED FROM: I AUTOMATIC DECLASSIFICATION GUIDE TE 02-26-2024 BY:	· 6		
	FEAD IMEOX.1 TEXT EAFMS.TEXT HAS 1 DOCUMENT		•	
	INBOx.1 (#493)	•		
 	TEXT:		3 1	b3 b6 b7C
	3F 0011 15/2321Z			b7E
	RR HQ AX PG		*	•
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	R 052000Z JUN 87	· ·		
	FM SF (RUC) (ORA-3)		ĺ	
	TO DIRECTOR FBI (ROUTINE)			,
	FBI ALEXANDRIA (ROUTINE)			
	FBI PITTSBURGH (ROUTINE)	* *		
	BT		. ·	
	SECRET		, , ,	•.
	OO: PITTSBURG			e e
į	THIS COMMUNICATION IS CLASSIFIED "SECRET" IN	N ITS ENTIRETY.	h K.	
	P1 AUTHORIZED 4/30/87 TO EXPIRE 8/27/87.		إساء	
i ·	RE BUTEL TO ALEXANDRIA DATED 5/7/87, AND PHO	ONE CALLS BETWEEN		b3
•	SAN FRANCISCO AND SSA FBIHQ,	DIV.5, CI-2C .		ь6 ь7с
	AND SA ALEXANDRIA.			b7E
	CONTACT HAS BEEN MAINTAINED WITH (X)DR. CLI	FFORD STOHL(X),		•
	LAWRENCE BERKELEY LABORATORY, RELATIVE TO THE UNA	AUTHORIZED	• 4	*
	ACCESS TO GOVERNMENT COMPUTERS AT HIS FACILITY.	THE LAST		
	SUCH ACCESS OCCURRED ON 5/30/87. TRACE PROCEDURE	ES ARE BEING		•
{			<u>.</u>	1
{	·	1964-9	129-6	79
{	r _i	SEARCHED IND		1.



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PAGE TWO

S E CHET

INITIATED AFTER EACH UNAUTHORIZED ACCESS BUT, TO DATE, HAVE NOT BEEN ABLE TO GET BEYOND THE PUBLIC ACCESS PORT OF THE DATEX-P DATA NETWORK IN THE ENVIRONS OF HANOVER, GERMANY. THERE IS STILL NO UNAUTHORIZED ENTRY INTO CLASSIFIED SYSTEMS, DAMAGE TO ANY FILES, OR OTHER SIGNIFICANT EVENTS RESULTING FROM THE ACTIVITIES OF THE COMPUTER HACKER.

b3 b7E

ADDITIONAL DETAILS OF THE CONTACT WITH DR. STOHL WILL BE REPORTED UNDER AX FILE 196A-999, SF FILE 196A-2587, CAPTIONED "UNSUBS; UNAUTHORIZED USE OF GOVERNMENT COMPUTER SYSTEM IN LAWRENCE BERKELEY LABORATORY, BERKELEY, CA: (OO: AX)", AS PARALLEL LEADS HAVE BEEN RECEIVED IN THAT CASE. IN ABSENCE OF ADDITIONAL INVESTIGATION SPECIFICALLY RELATED TO WITHIN THE SAN FRANCISCO DIVISION,"

THIS MATTER IS BEING CONSIDERED RUC'D.

C & E BY: G-3, ORD: CADR

BT

1964 - 999 - 39 b3 b6 b7C b7E

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THANSMIT VIA: ☐ Teletype ☐ Facsimile ☐	PRECEDENCE: ☐ Immediate ☐ Priority ☐ Routine	□ TOP SECRET □ SECRET □ CONFIDENTIAL □ UNCLAS E F T O UNCLAS □ Date 6/25/87	#6005	, And
FM ALEXANDRIA (196A	999) (P),			
TO ACTING DIRECTOR,	FBI IMMEDIATE			
PITTSBURGH IMMEDIAT	E			
LEGAT BONN IMMEDIAT	E			
BT				
UNCLAS				
ATTN: SSA	WHITE COLLAR	CRIME SECTION,		
ATTN: SSA	DIVIS	ION 5, CI1C, FBIHQ		
UNSUBS; UNAUTHORIZE	D USE OF GOVERNME	NT COMPUTER SYSTEM IN	LAWRENCE	
BERKELEY LABORATORY	, BERKELEY, CALIF	ORNIA; FBW; (OO:AX)		b 6
LEGAT BONN ADV	ISED THAT	ARE BELIEVED TO HA	VE SEARCH	b7С b7D
WARRANTS ON JUNE 23	3, 1987, AT THE RE	SIDENCE OF A SUSPECT W	HO IS	
BELIEVED TO BE CAP	TIONED UNSUB. THE	RESULTS OF THE SEARCH	ES WILL BE	
MADE AVAILABLE AFT	ER	HAVE TIME TO REVIEW TH	E RESULTS	
OF THE SEARCHES.				
AN INTERVIEW	IN PITTSBURGH WAS	CONDUCTED SIMULTANEOUS	HTIW	
THE SEARCH WARRANT	EXECUTIONS IN THE	FRG. SA	OF	
P-Alexandria		196-99	9-33	
		SEARCHEDNDEX		b6 b7С
Approved:	Transmitted(Nu	003 330 mber) (Time)		

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FD-36 (Rev. 8-26-82)

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TRANSMIT VIA: ☐ Teletype ☐ Facsimile ☐	PRECEDENCE: Immediate Priority Routine	CLASSIFICATION: TOP SECRET SECRET CONFIDENTIAL UNCLAS E F T O UNCLAS Date		
DAGE MILO AST 3.06A 00	o that as	•		
PAGE TWO AX 196A-99	D	TO ASSIST IN THE INTERV	TEM OF	
1 0,	ED 10 PITTSBURGH.	TO MODICI IN INE INTERV		b6
		DAME DAY ADDIT		b7C
	-	ENT BY IN APRIL		
), WHICH REQUESTED VARI		
		. THIS INFORMATION ABO		
NETWORK WAS OBTAIN	ED IN JANUARY, 198	7, BY AN INTRUDER TO TH	IE LBL	
COMPUTER SYSTEM.				
THE FD-302 RE	SULTS OF THE INTER	VIEW ARE BEING PREPAREI	D BY	
PITTSBURGH. AN IN	COMPLETE SUMMARY F	OLLOWS.		
DURING THE, IN	rerview, A	DVISED THAT HE DID REQU	JEST THE	b6 b70
INFORMATION FROM L	3L IN THE FORM OF	A LETTER. A COPY WAS	SHOWN TO	
HIM AND HE ADVISED	THAT HE OBTAINED	THE INFORMATION FROM PO	JBLIC	
SOURCE MATERIAL IN	THE CARNEGIE LIBR	RARY IN PITTSBURGH, ABOU	JT A	
YEAR AGO. HE DENI	ED ANY CONNECTION	WITH THE INFORMATION CO	ONTAINED	
IN THE LETTER AND	THE FRG. HE ALSO	ADVISED THAT HE PERSON.	ALLY	
OBTAINED THE INFOR	MATION AND THAT NO	O OTHER PERSON HAD GIVE	N HIM THIS	
INFORMATION. HE W	AS ADVISED THAT IT	T WAS NOT POSSIBLE THAT	THIS	
INFORMATION WAS FO	UND IN THE PUBLIC	SOURCE MATERIAL, BUT H	E REFUSED	
TO CHANGE HIS VERS	ION OF HOW HE OBT!	AINED THE INFORMATION.		
FURTHER INVES	TIGATION IS CONTI	NUING AND THE RESULTS O	F THE	
FURTHER INVES	Transmitted		F THE	

FD-36 (Rev. 8-26-82)

9v. 8·26·82)	FBI	\sim	
TRANSMIT VIA: ☐ Teletype ☐ Facsimile ☐	PRECEDENCE: Immediate Priority Routine	CLASSIFICATION: TOP SECRET SECRET CONFIDENTIAL UNCLAS E F T O UNCLAS Date	
PAGE THREE AX 196A-9	999 UNCLAS		
SEARCHES IN THE FRG	WILL WEIGH HEAVI	LY IN FUTURE INVESTIGAT	TIVE
STRATEGY.			
REQUEST OF THE BURE.	AU:		
FBIHQ IS REQUE	STED TO MAINTAIN	LIAISON WITH THE LEGAT	BONN AND
PROVIDE RESULTS OF	SEARCH	HES AS SOON AS THEY BECO	OME
AVAILABLE. ALSO PL	EASE ADVISE IF	NEED ANY 1	DOCUMENTS
FOR COMPARISON PURP	OSES.		
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6005			
Approved:	Transmitted	Per umber) (Time)	

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FD-36 (Rev. 8-26-82)

FEDERAL BUREAU OF INVESTIGATION

$\frac{1}{1}$ 6/29/87	
Date of transcription 29/87	-
Marketic	
was interviewed at the Pittsburgh FBI Office and he provided the following information:	b6 b7C
	D/C
was shown a copy of a letter dated April 21, / 1987, on TRIAM International, Inc., letterhead addressed to SDI	
Network Project, LBL, Mail Shop 50-351. 1 Cyclotrov Road	
Berkley, California, 94720, and signed by	
stated that he, in fact, sent the letter and that he had obtained the address from an issue of IEEE Magazine.	
stated that he was working on a project to "sterilize" the	
Pakistani Embassy in Tehran, Iran, about a year ago and was doing	
research in the Carnegie Library in Pittsburgh, Pennsylvania. stated that he came across a listing for available	
information and one of the listings was the SDI Network Project.	
stated that the items he listed in the requesting letter	
were listed in the magazine as a footnote to the SDI Network Project. advised that he took notes at the library and	
then composed the letter on a typewriter.	
advised that he was at the U.S. Embassy in Germany during the fall of 1986. He had gone to the embassy to	
speak with personnel and offer some information he thought might	
be of interest. advised that he has no affiliation with a German firm named Focus nor has he ever heard of the firm.	
does have contacts with a West German firm called	b6
headquartered in Munich, Germany. They are a source of has found them useful in dealing	b7C
with other German business firms.	
ghahad bhah ha mamantad tha gam too a th	
stated that he requested the SDI information on his own and that there was no connection between his request and	
his contacts in Germany. ladvised that he never received	
any reply to the letter.	

Investigation or	6/23/87	Pittsburgh,	Pennsylvania	PG 1:	96A-1638	A-gag	<u>r</u> §	36
SZ SZ	Ą		Oate dictated_	6/	SERIALIZE 29/87	FILED		.b6 b7С
This document contains neither recommendations nor conclusions of the FBI, it is the property of the FBI and is it and its contents are not to be distributed outside your agency.						.1		

FD-36 (Re	ev. 8-26-82)	
	TRANSMIT WAS SECRETARY	
	TRANSMIT VIA: PRECEDENCE: CLASSIFICATION: Teletype Immediate I TOP SECRET	
	☐ Facsimile ☐ Priority ☐. SECRET	
- 1	☐ Airtel ☐ CONFIDENTIAL ☐ UNCLASEFTO	•
	Date 9/24/87	
<u>,</u> 		
,	TO: DIRECTOR, FBI	
	FROM: SAC, CHICAGO (264B-2) (P) (SQ 7C/15)	
	UNSUBS aka	
lu.	Carl Hagbard,	
,	Haggie, Hagbard C.,	
-	Haggie Karl;	
	MET RANGERS; (CHAOS COMPUTER CLUB (CCC);	
	Hannover, West Germany	
	COMPUTER FRAUD AND ABUSE	
- n _h _	7-07-1-12-1-12-1-12-1-12-1-12-1-12-1-12-	
	Re Chicago teletype to the Bureau, dated 9/11/87, and telephone call between SA Chicago, and	b 6
	SA Alexandria, on 9/14/87.	b70
	Enclosed for the Buréau are the original and eight	
	copies of a Letterhead Memorandum (LHM), two each of which	
E 4	are designated for Legats Bonn and Rome.	
•	Enclosed LHM sets forth details of information furnished	
* .		•
•	6 - Bureau (Enc. 9)	
	(2 - Legat, Bonn (Enc. 2) (196A-201) (2 - Legat, Rome (Enc. 2)	
	2 - Alexandria (Attention: SA	
	2 - Chicago	
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