

# Disk Drive Investigation for John Brinkley Fake Driver's License Case

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## Abstract

A computer forensic investigation was completed on a disk drive seized from the home of John Brinkley with a valid search warrant. Access to the drive was accomplished using a tool called Hiren's BootCD PE, which allowed access into the Windows 7 disk while bypassing the password. In the investigation, several files were recovered containing personal information such as email addresses, home addresses, social security numbers, and dates of birth for various individuals. An HTML file was found which appears to have hosted a website for a company called "IDs 'R' Us". Additionally, several images were recovered, some of which contain fake driver's licenses (licenses marked with the words "Fake Driver's License"), and some of which are just pictures of various people. The files recovered during the investigation range in the time of their creation from 2001 to 2016. Also, several emails were recovered during the investigation, many of which specifically mention this "IDs 'R' Us" business. Most of these emails are either addressed to or sent from an individual by the name of Ira Aubrey Badun.

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## Affiant's Background

Kollin Labowski is a Computer Science student in the class of 2022 at West Virginia University. He has over 5 years of experience in computer programming, particularly with Java, C, Python, and PHP. He is currently pursuing an area of emphasis in Cybersecurity and has experience penetration testing with Kali Linux. Kollin has used a wide variety of computer forensic tools, including but not limited to, Nmap, Wireshark, Dirbuster, John the Ripper, and Ghidra. Additionally, Kollin is currently enrolled in CPE 435, Computer Incident Response, at West Virginia University. In this class, Kollin gained a solid understanding of the forensic investigation process, and the government policies relating to them. This class is also where Kollin was introduced to many of the forensic tools he had used, particularly as part of the National Cyber League competition, where he ranked within the top 98 percent of the country.

## Incident Material

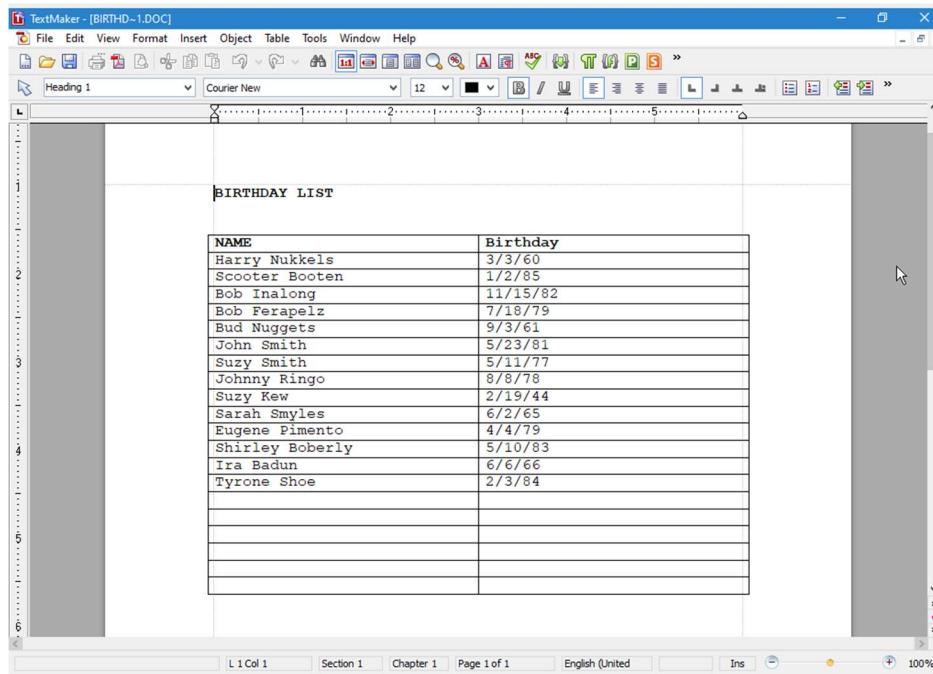
The following section contains images and documents recovered from the disk drive. All files are displayed here in chronological order, based on their “Modified” date. Each image or document displayed here is followed by a screenshot of its metadata. Each document also has its name listed, in addition to a time stamp of the time the file was modified (with accuracy of within a minute). Finally, the directory each of the files were found in can be found by viewing the nearest directory listed above the screenshot of the file (ex: the first file can be found in the directory *C:\Documents and Settings\rsn\My Documents\LOOT* as seen below).

## June 29, 2001

On this day, a list of 14 individuals and their birthdays were added to the system.

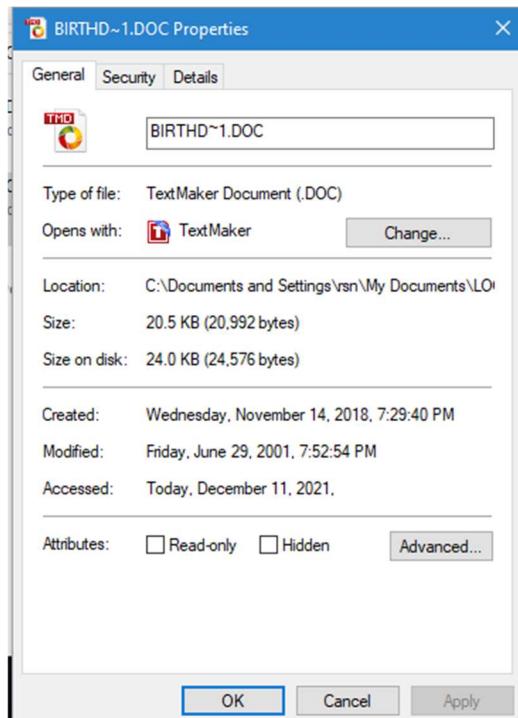
In directory *C:\Documents and Settings\rsn\My Documents\LOOT*

7:52 PM: *BirthD~1.DOC*



The screenshot shows a TextMaker document window titled "TextMaker - [BIRTHD~1.DOC]". The main content area contains a table titled "BIRTHDAY LIST". The table has two columns: "NAME" and "Birthday". The data is as follows:

NAME	Birthday
Harry Nukkels	3/3/60
Scooter Booten	1/2/85
Bob Inalong	11/15/82
Bob Ferapelz	7/18/79
Bud Nuggets	9/3/61
John Smith	5/23/81
Suzy Smith	5/11/77
Johnny Ringo	8/8/78
Suzy Kew	2/19/44
Sarah Smyles	6/2/65
Eugene Pimento	4/4/79
Shirley Boberly	5/10/83
Ira Badun	6/6/66
Tyrone Shoe	2/3/84

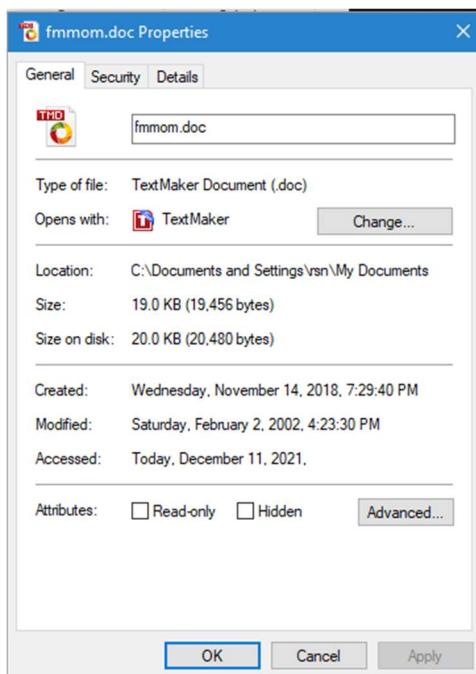
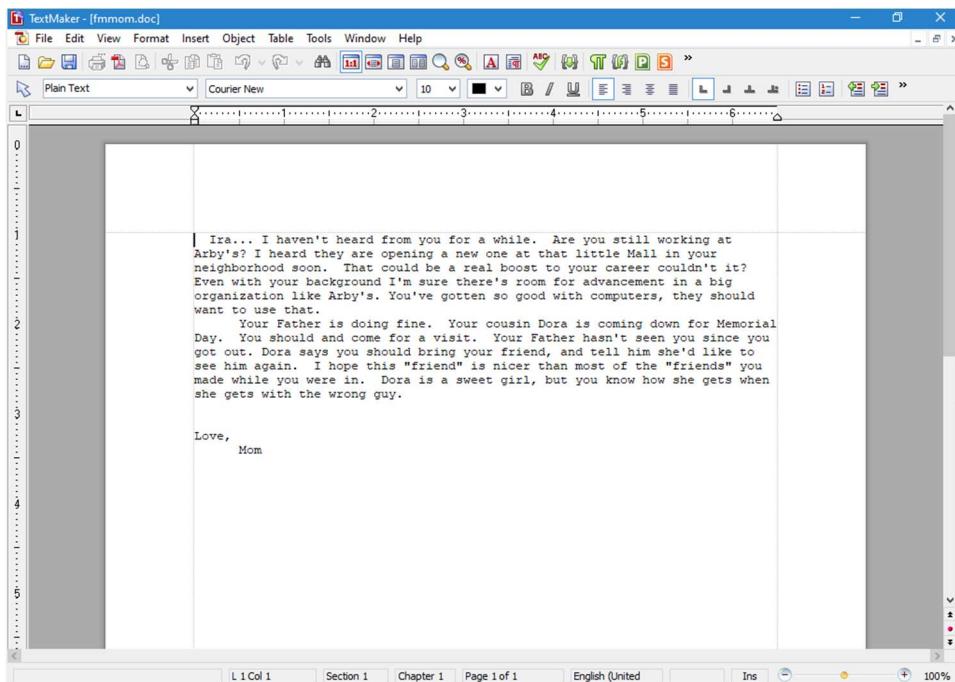


## February 2, 2002

On this day, an email was received addressed to an individual named Ira. The email appears to have been sent by this individual's mother.

In directory *C:\Documents and Settings\rsn\My Documents*

4:23 PM: *fmmom.doc*

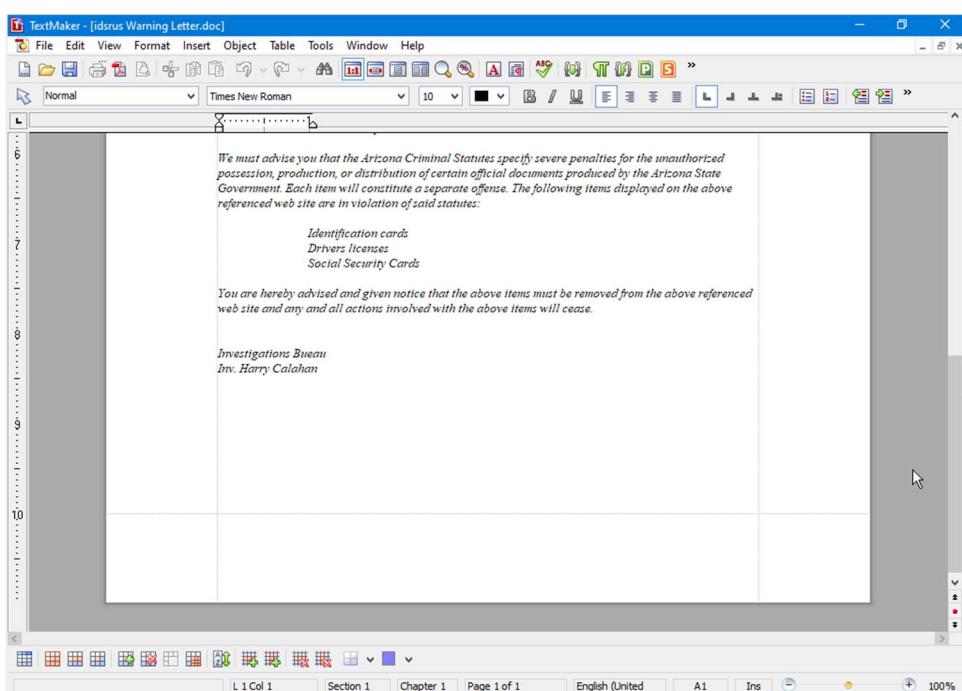
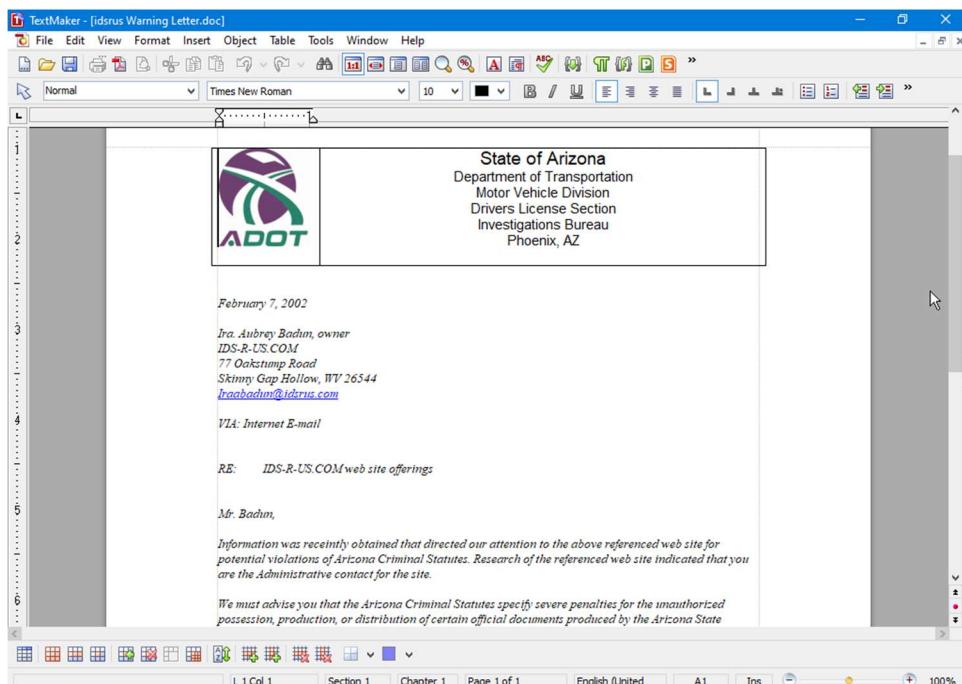


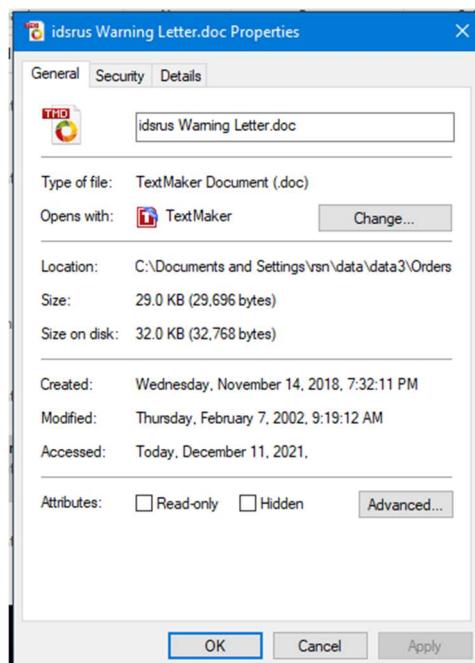
## February 7, 2002

On this day, the State of Arizona Department of Transportation sent a letter to an individual named Ira Aubrey Badun. The letter was regarding some alleged activities that the addressed individual was doing which violated their policies.

In directory *C:\Documents and Settings\rsn\data\data3\Orders and Records*

**9:19 AM:** *idsrus Warning Letter.doc*



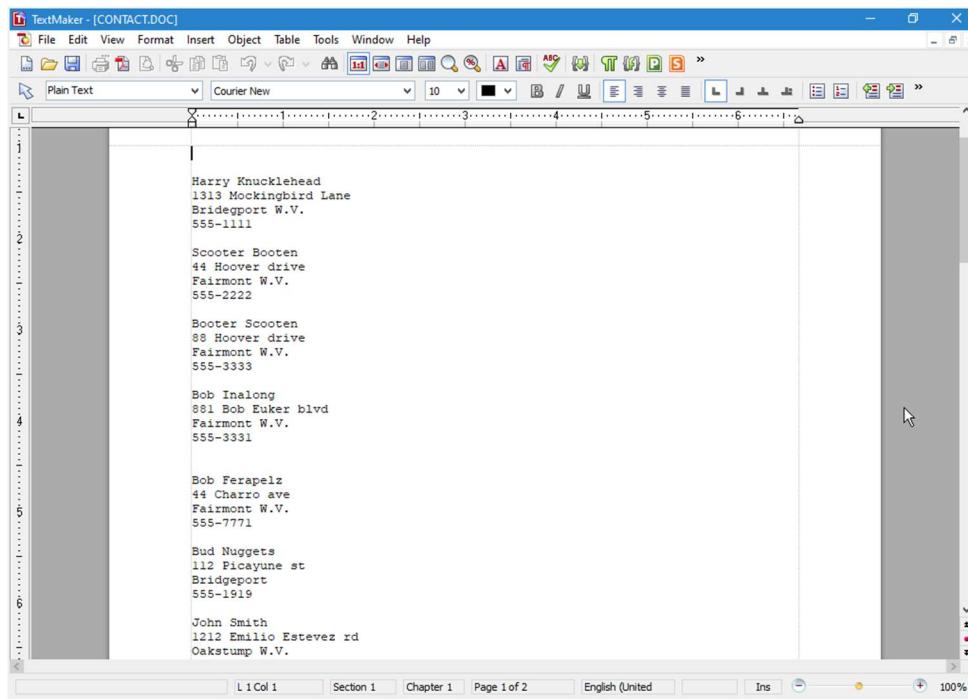


## February 11, 2002

On this day, a list of 16 individuals and what appear to be their home addresses were added to the system.

In directory *C:\Documents and Settings\rsn\My Documents\LOOT*

**8:01 PM: CONTACT.DOC**



TextMaker - [CONTACT.DOC]

File Edit View Format Insert Object Table Tools Window Help

Plain Text Courier New 10

1 Harry Knucklehead  
1313 Mockingbird Lane  
Bridgeport W.V.  
555-1111

2 Scooter Booten  
44 Hoover drive  
Fairmont W.V.  
555-2222

3 Booter Scooten  
88 Hoover drive  
Fairmont W.V.  
555-3333

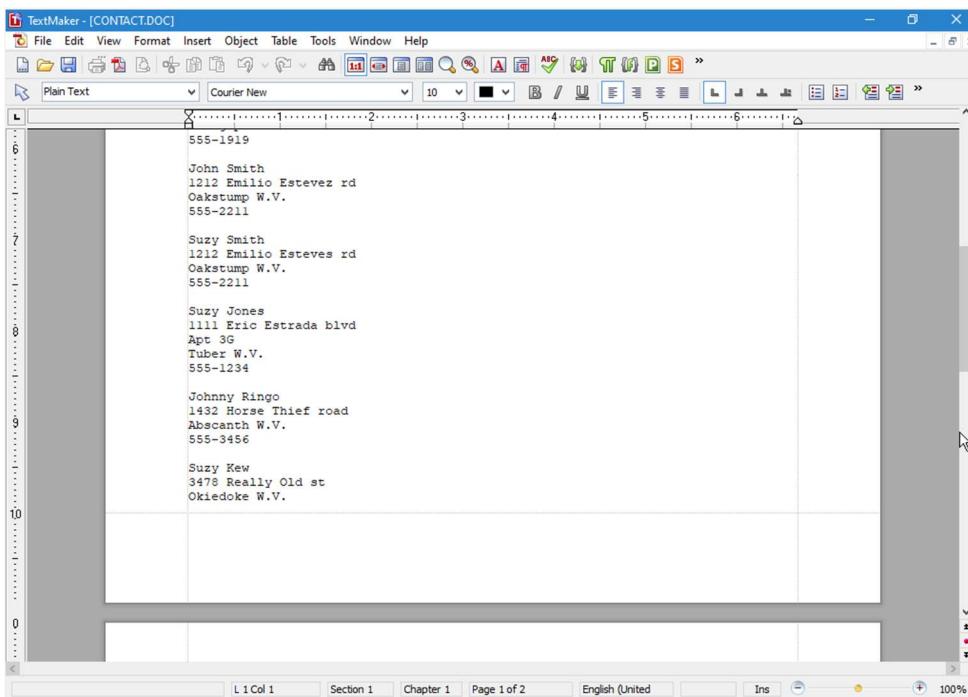
4 Bob Inalong  
881 Bob Euker blvd  
Fairmont W.V.  
555-3331

5 Bob Ferapetz  
44 Charro ave  
Fairmont W.V.  
555-7771

6 Bud Nuggets  
112 Picayune st  
Bridgeport  
555-1919

7 John Smith  
1212 Emilio Estevez rd  
Oakstump W.V.

L 1 Col 1 Section 1 Chapter 1 Page 1 of 2 English (United) Ins 100%



TextMaker - [CONTACT.DOC]

File Edit View Format Insert Object Table Tools Window Help

Plain Text Courier New 10

8 555-1919

9 John Smith  
1212 Emilio Estevez rd  
Oakstump W.V.  
555-2211

10 Suzy Smith  
1212 Emilio Esteves rd  
Oakstump W.V.  
555-2211

11 Suzy Jones  
1111 Eric Estrada blvd  
Apt 3G  
Tuber W.V.  
555-1234

12 Johnny Ringo  
1432 Horse Thief road  
Abscanth W.V.  
555-3456

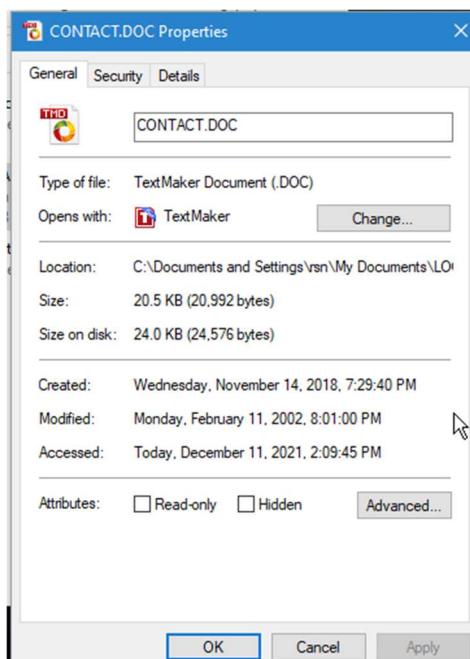
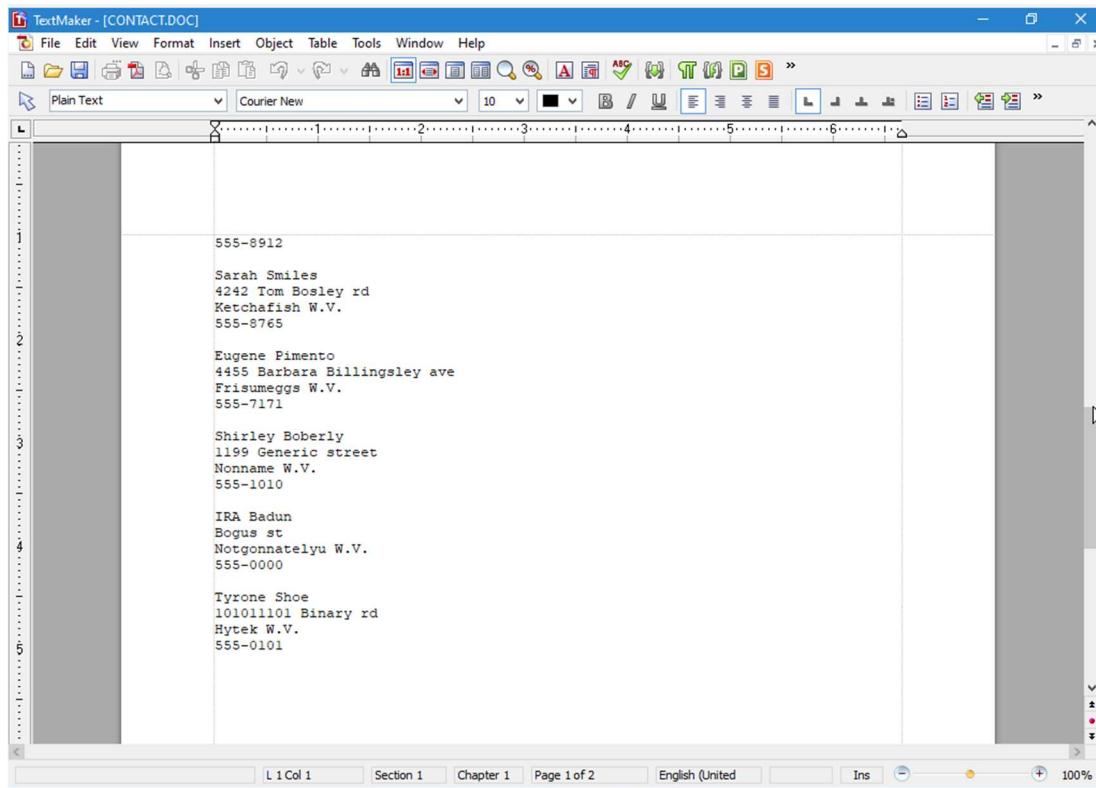
13 Suzy Kew  
3478 Really Old st  
Okiedoke W.V.

14

15

16

L 1 Col 1 Section 1 Chapter 1 Page 1 of 2 English (United) Ins 100%

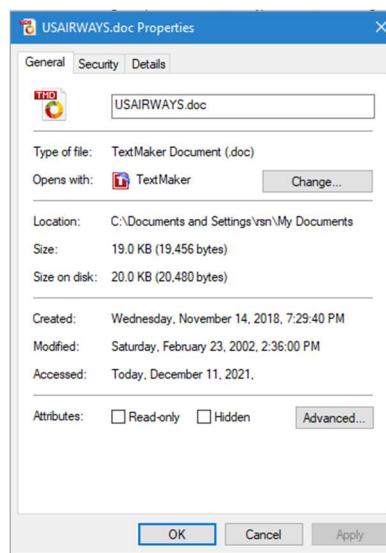
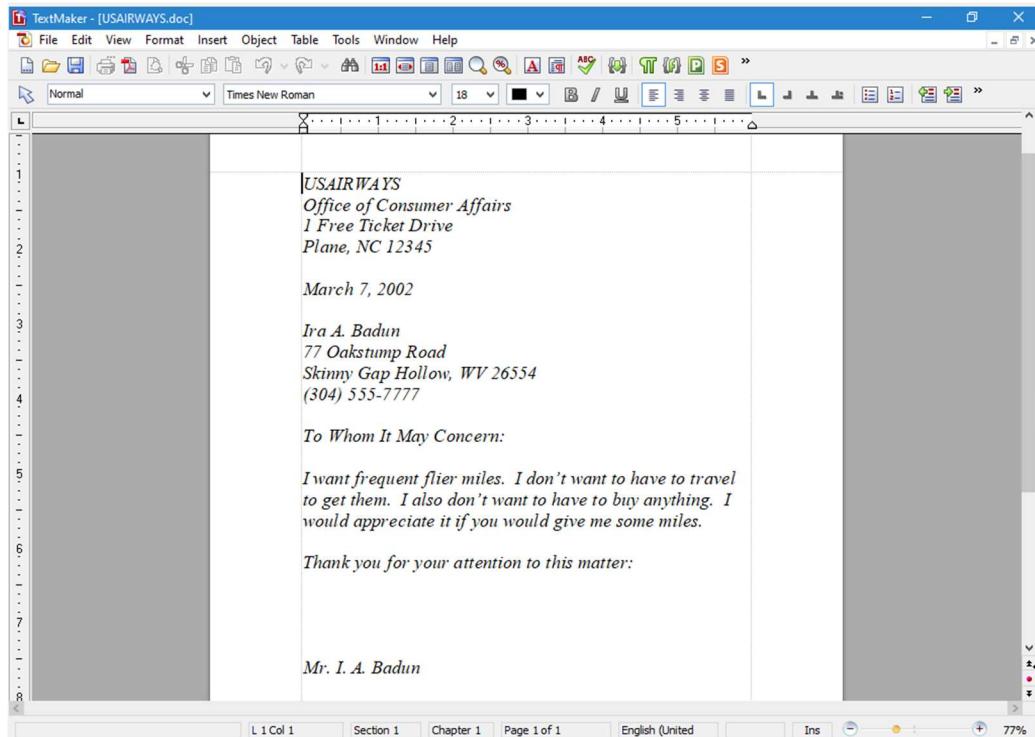


## February 23, 2002

On this day, an individual named Ira A. Badun (likely the same individual mentioned in previous documents) sent an email to USAIRWAYS to request frequent flier miles.

In directory *C:\Documents and Settings\rsn\My Documents*

**2:36 PM: USAIRWAYS.doc**

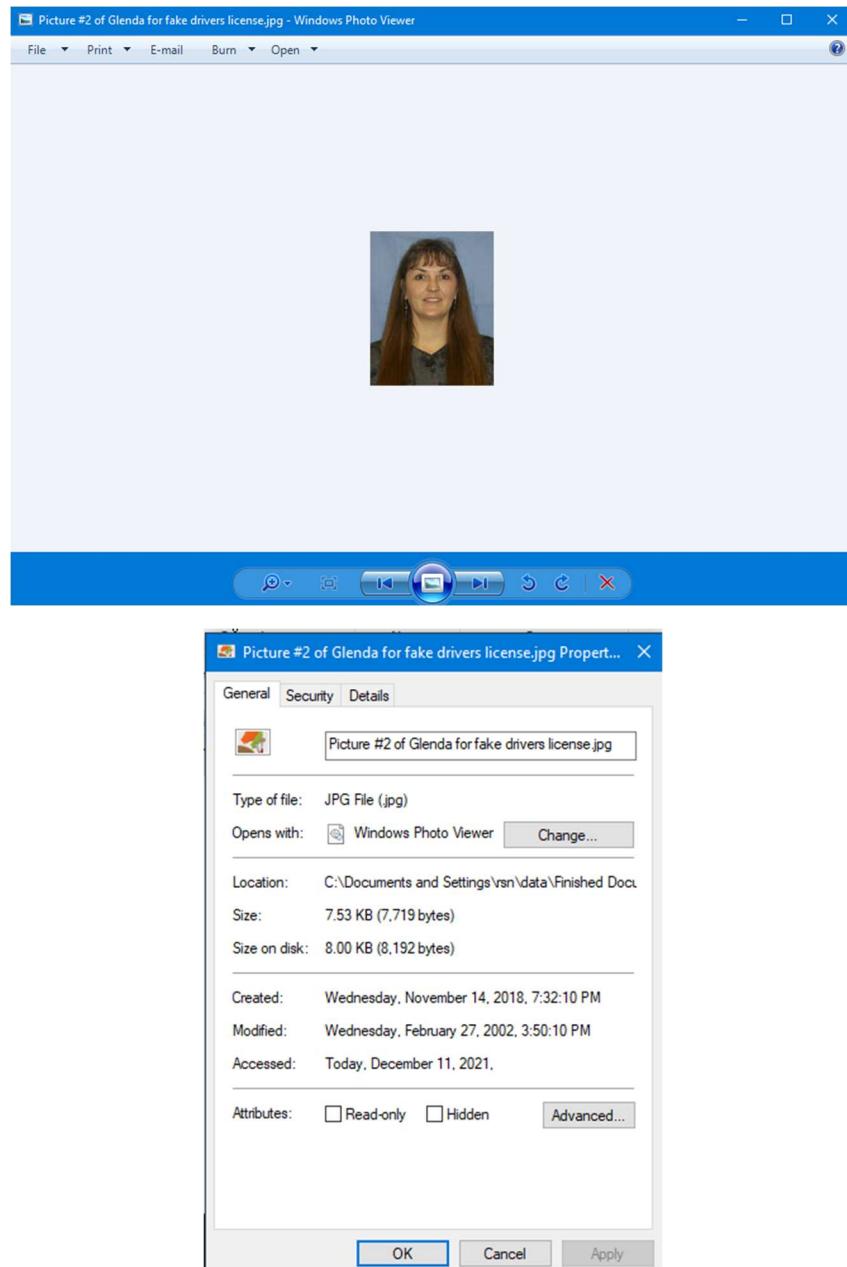


## February 27, 2002

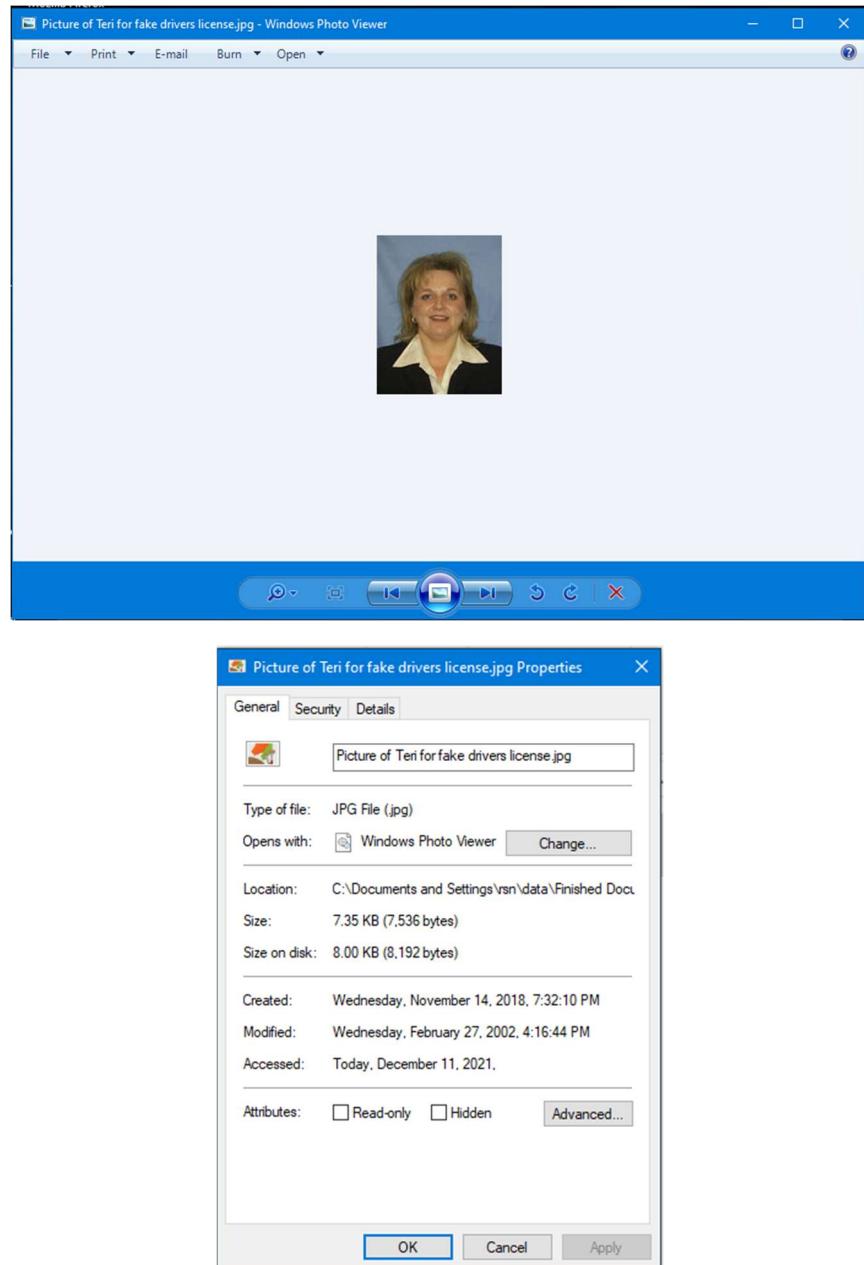
On this day, 2 images of different individuals were added onto the system. Both file names contain the term “fake drivers license”.

In directory *C:\Documents and Settings\rsn\data\Finished Documents\Stuff for Mikey*

**3:50 PM:** *Picture #2 of Glenda for fake drivers license.jpg*



**4:16 PM: Picture of Teri for fake drivers license.jpg**

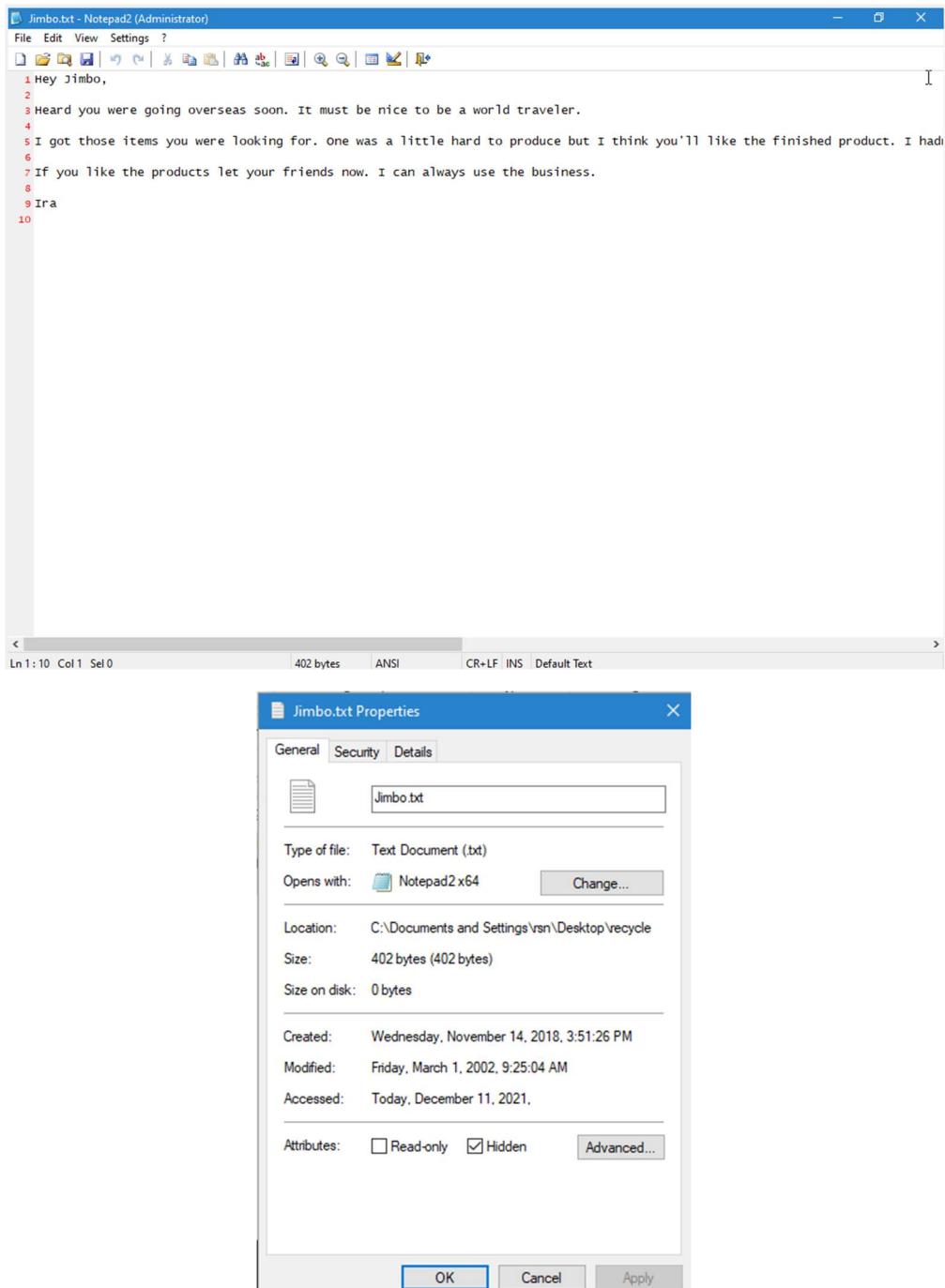


## March 1, 2002

On this day, a message appears to have been drafted by the individual named Ira, and the message was to be sent to someone who goes by “Jimbo”. The message mentions some “items”, however it is unclear what specifically this might be referring to.

In directory *C:\Documents and Settings\rsn\Desktop\recycle*

**9:25 AM: Jimbo.txt**

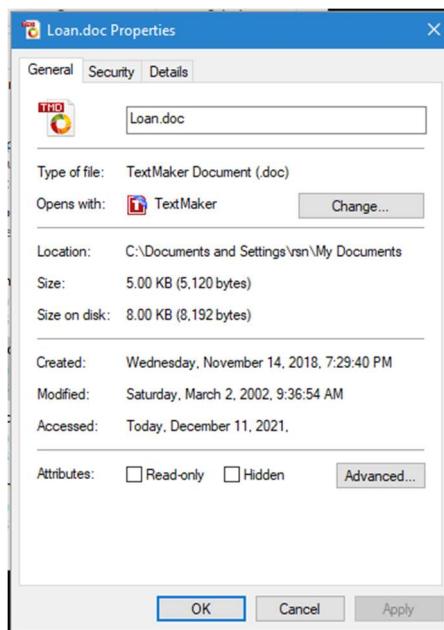
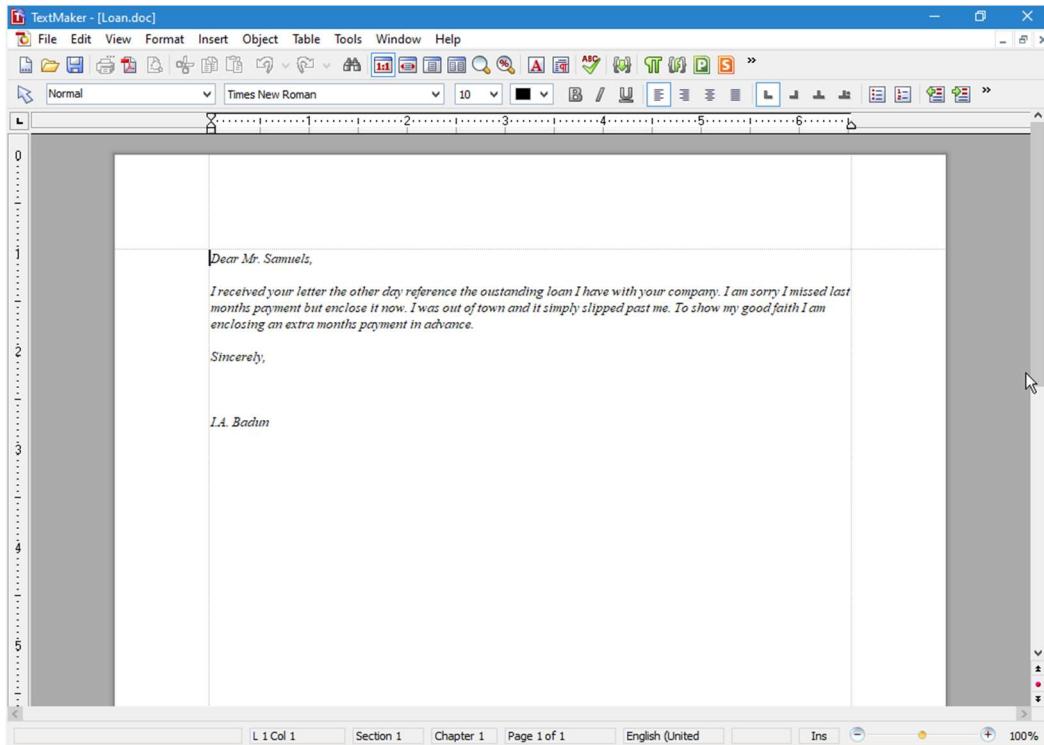


## March 2, 2002

On this day, it appears that the individual Ira Badun has sent a message to someone named Mr. Samuels regarding a loan.

In directory *C:\Documents and Settings\rsn\My Documents*

**9:36 AM: Loan.doc**

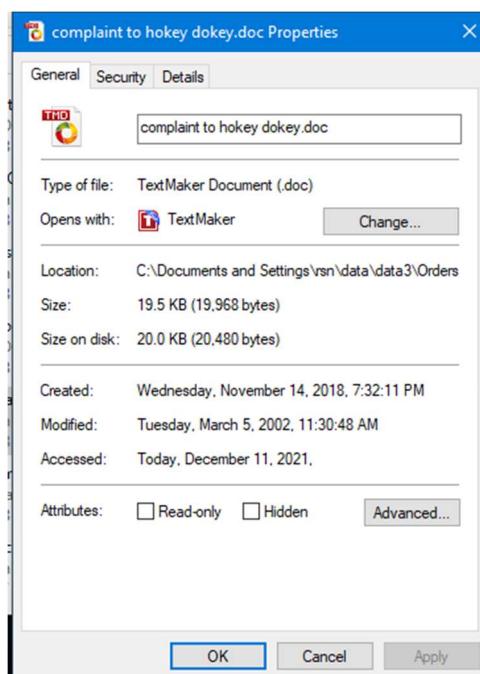
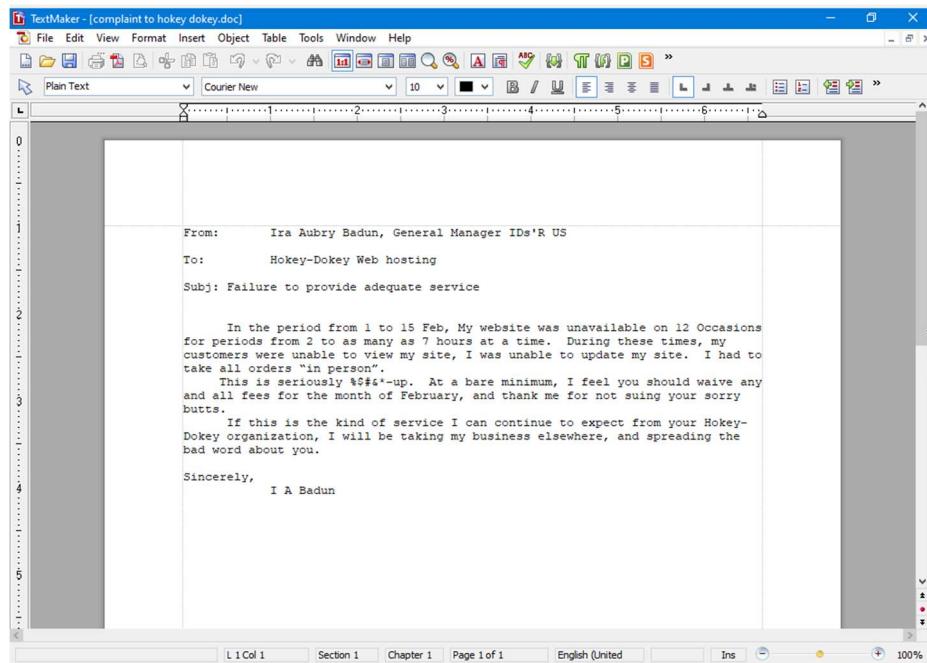


## March 5, 2002

On this day, the individual Ira Badun appears to have sent a message to a business called Hokey-Dokey Web Hosting. The message appears to be regarding a loss of availability for some website.

In directory *C:\Documents and Settings\rsn\data\data3\Orders and Records*

**11:30 AM:** *complaint to hokey dokey.doc*

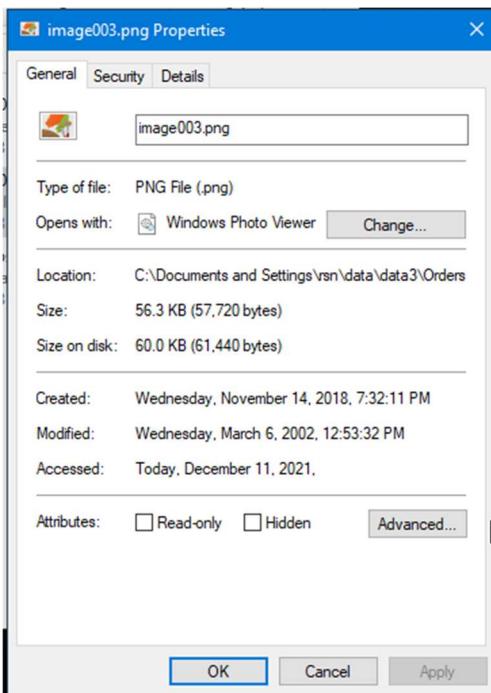
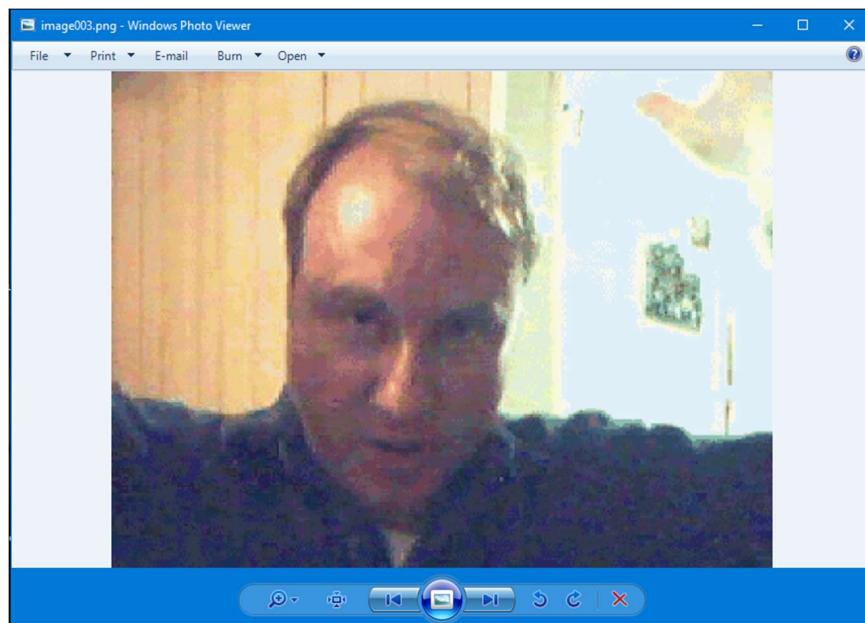


## March 6, 2002

On this day, images and HTML files were added for a website which appears to be titled “IDS ‘R’ US”. Additionally, an email addressed to “IDsRUs” from someone named Jack Morton was found on the server.

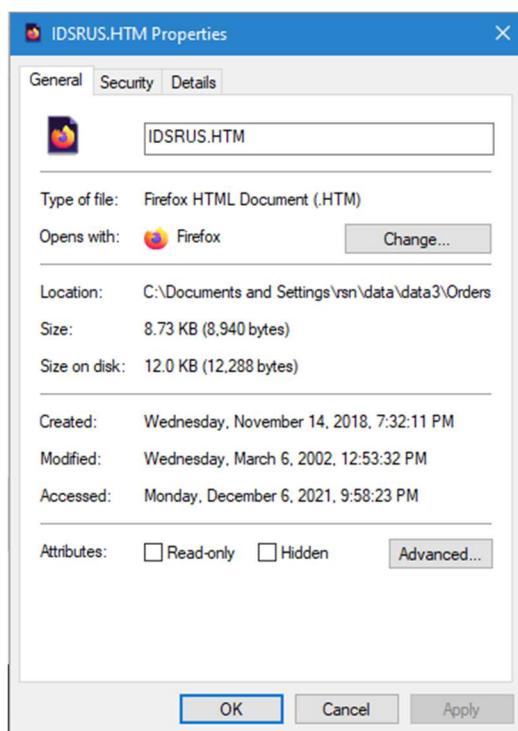
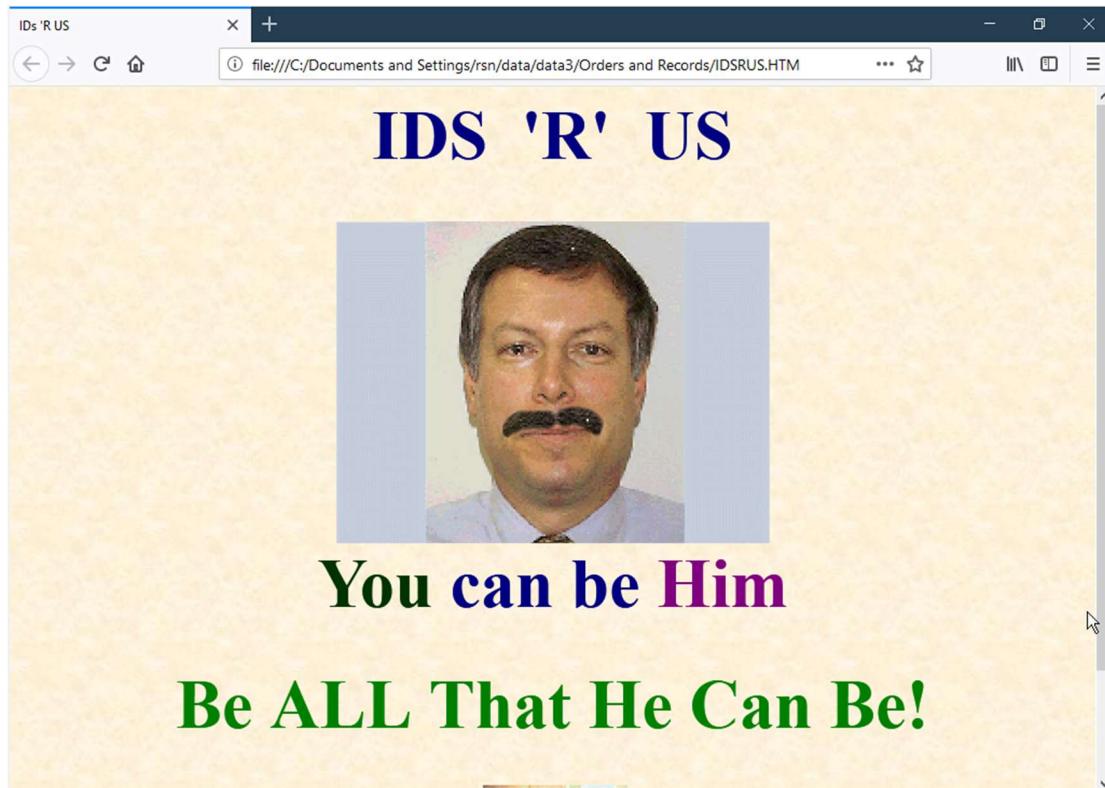
In directory *C:\Documents and Settings\rsn\data\data3\Orders and Records\IDsrus\_files*

**12:53 PM:** *image003.png*

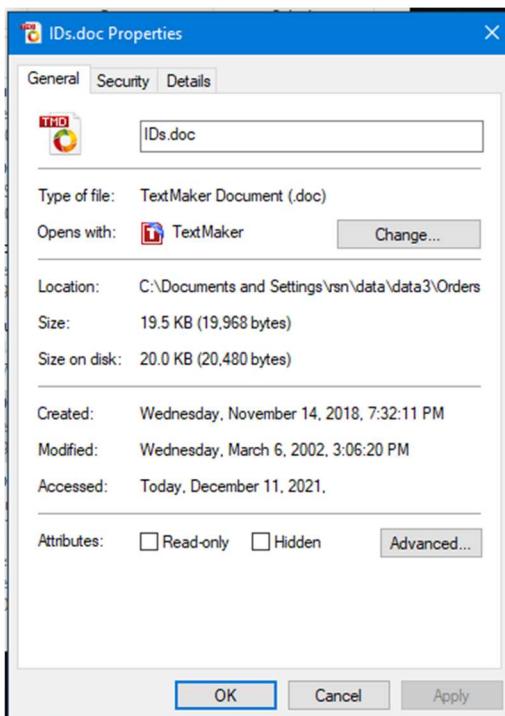
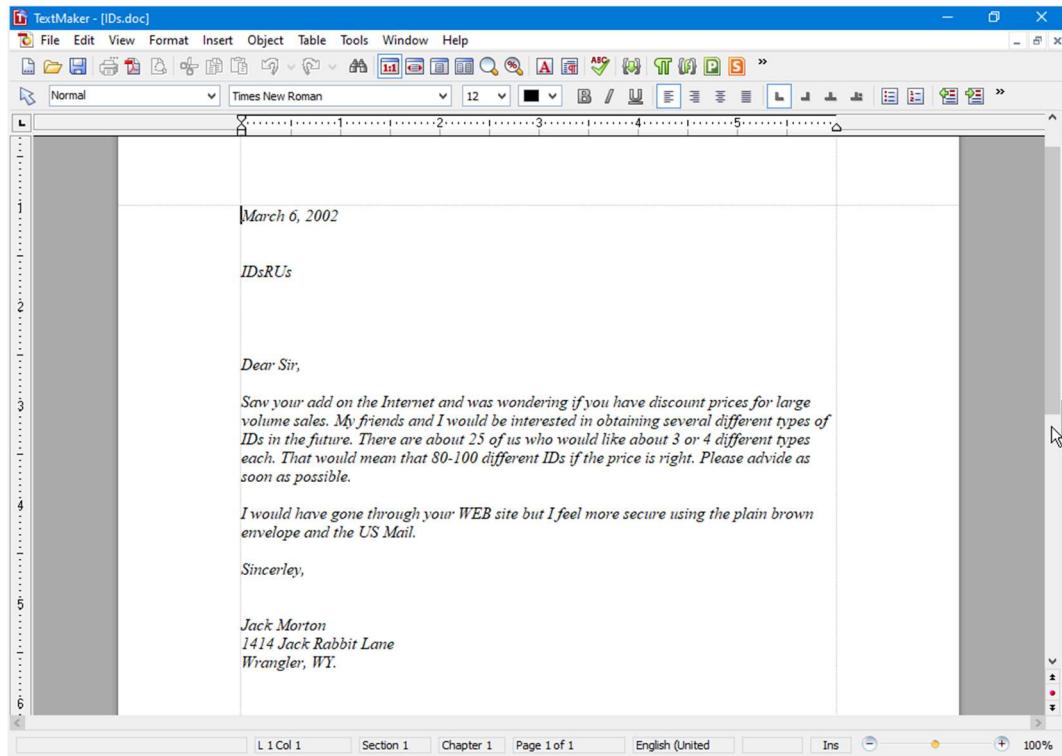


In directory C:\Documents and Settings\rsn\data\data3\Orders and Records

12:53 PM: IDSRUS.HTM



3:06 PM: *IDs.doc*

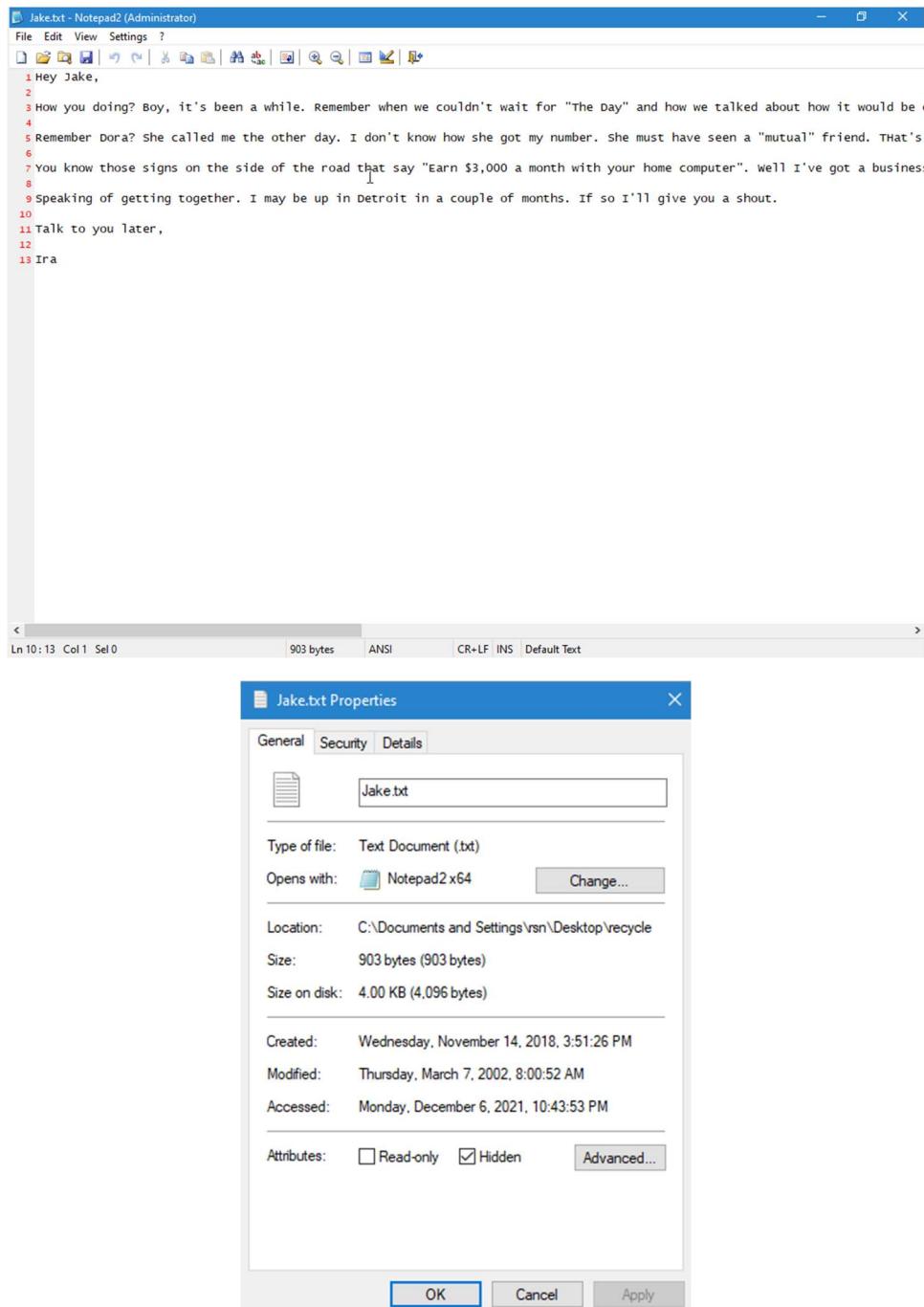


## March 7, 2002

On this day, several messages which appear to be coming either to or from the individual Ira Badun appear in the server discussing various topics.

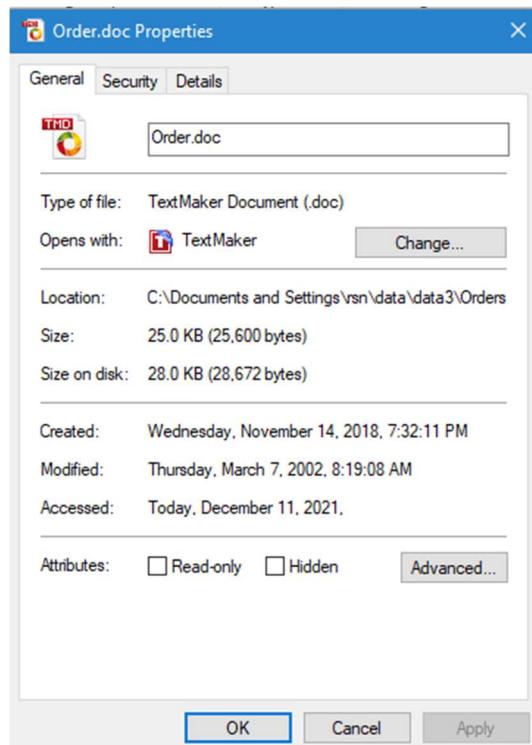
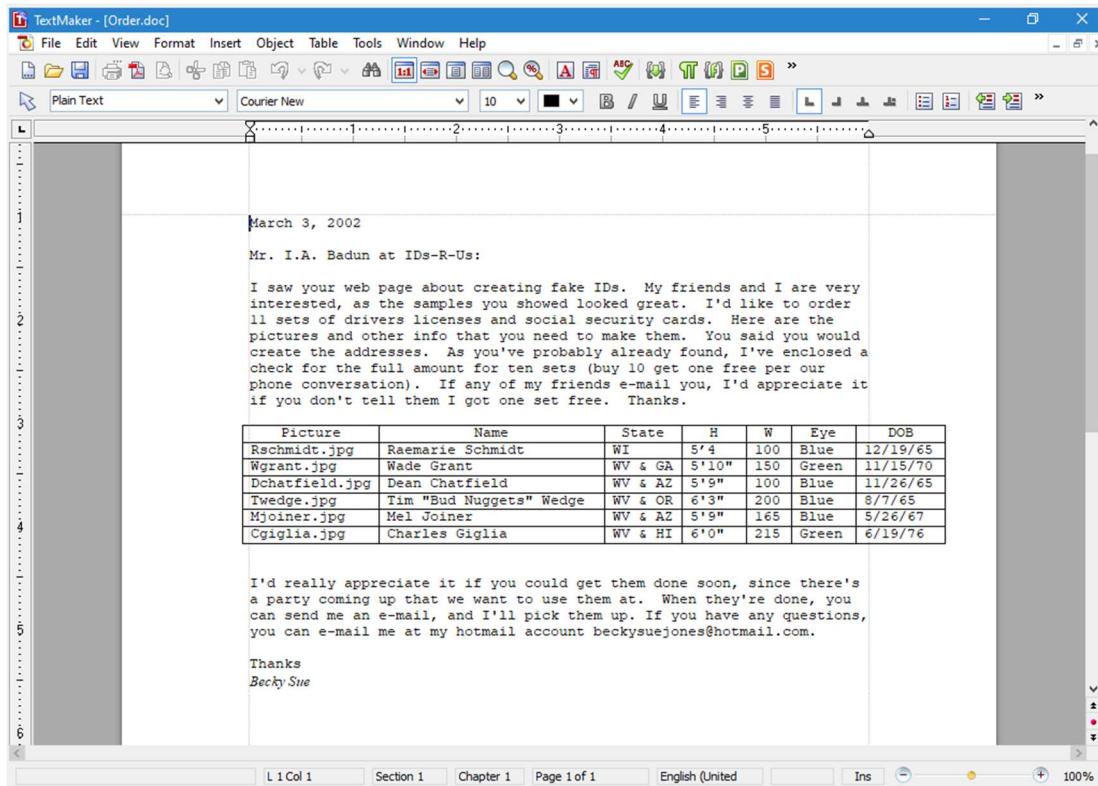
In directory *C:\Documents and Settings\rsn\Desktop\recycle*

**8:00 AM:** *Jake.txt*



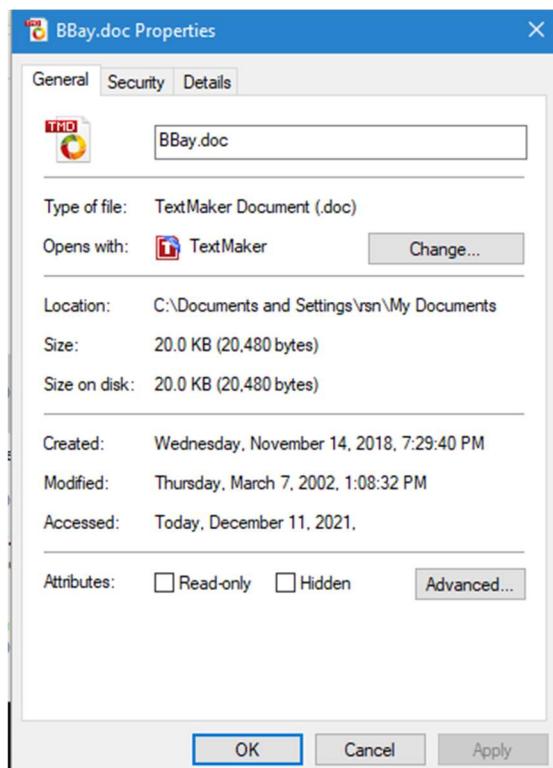
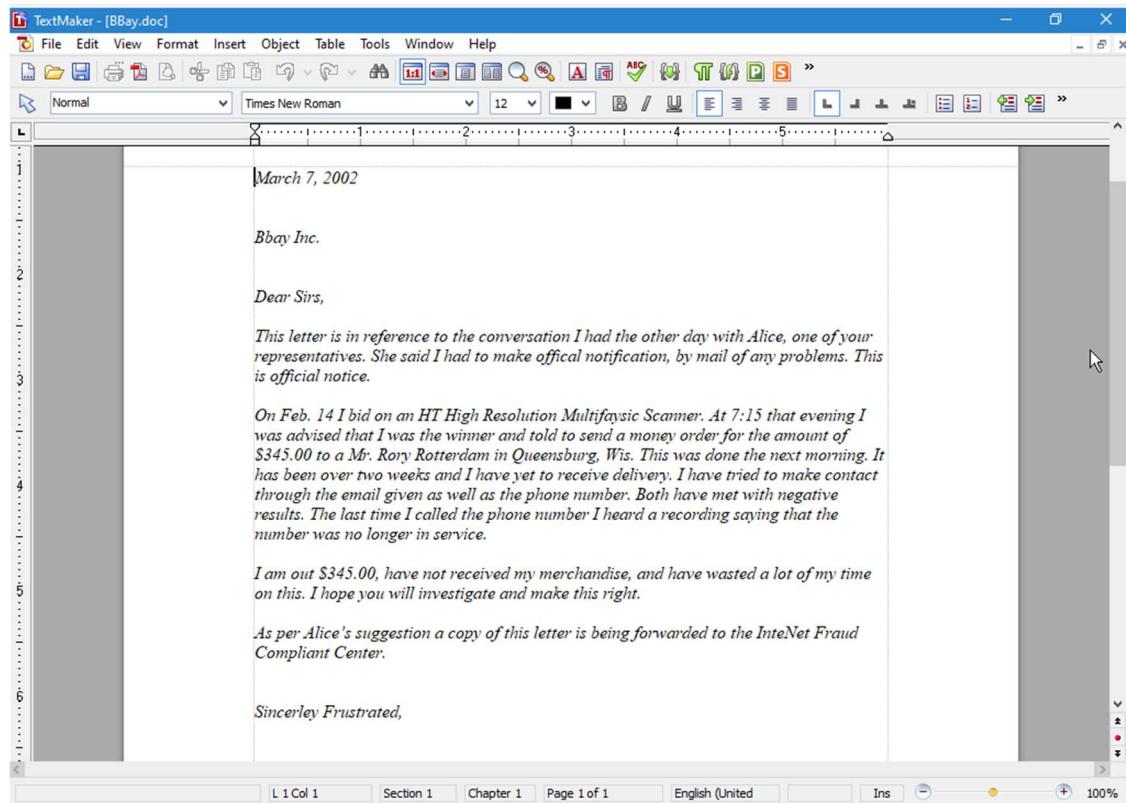
In directory C:\Documents and Settings\rsn\data\data3\Orders and Records

8:19 AM: Order.doc



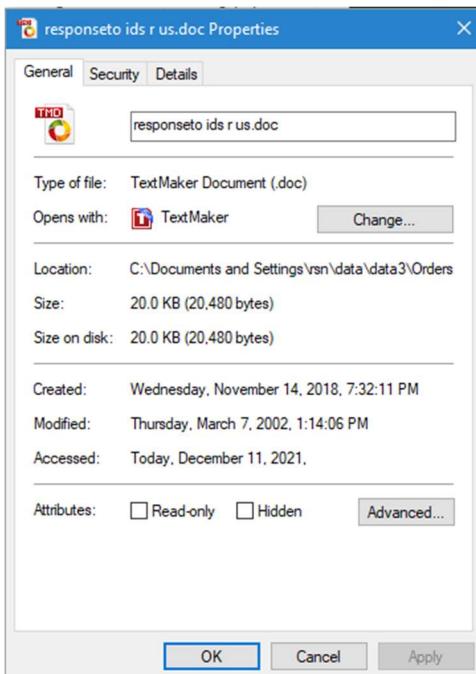
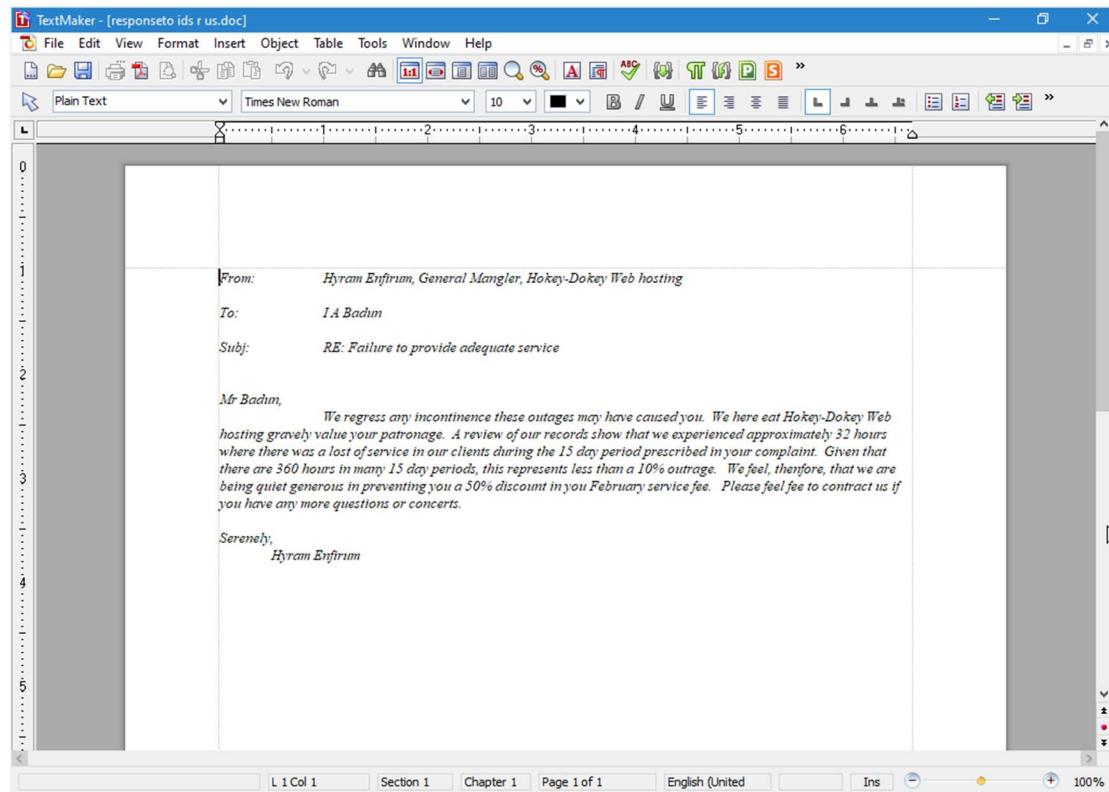
In directory C:\Documents and Settings\rsn\My Documents

1:08 PM: BBay.doc



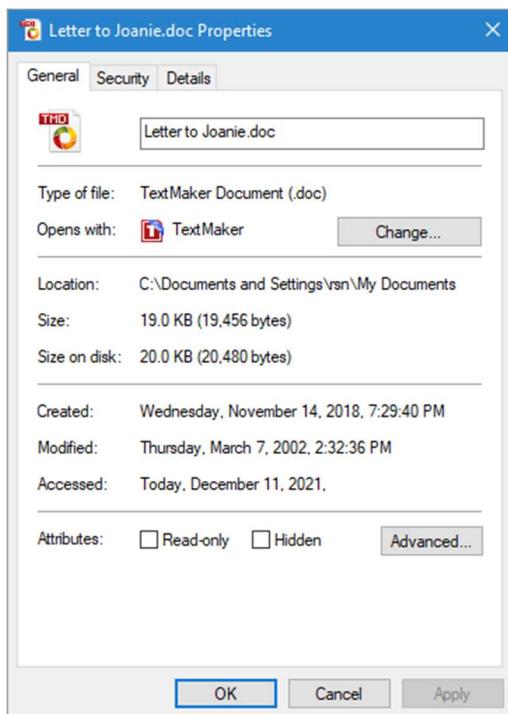
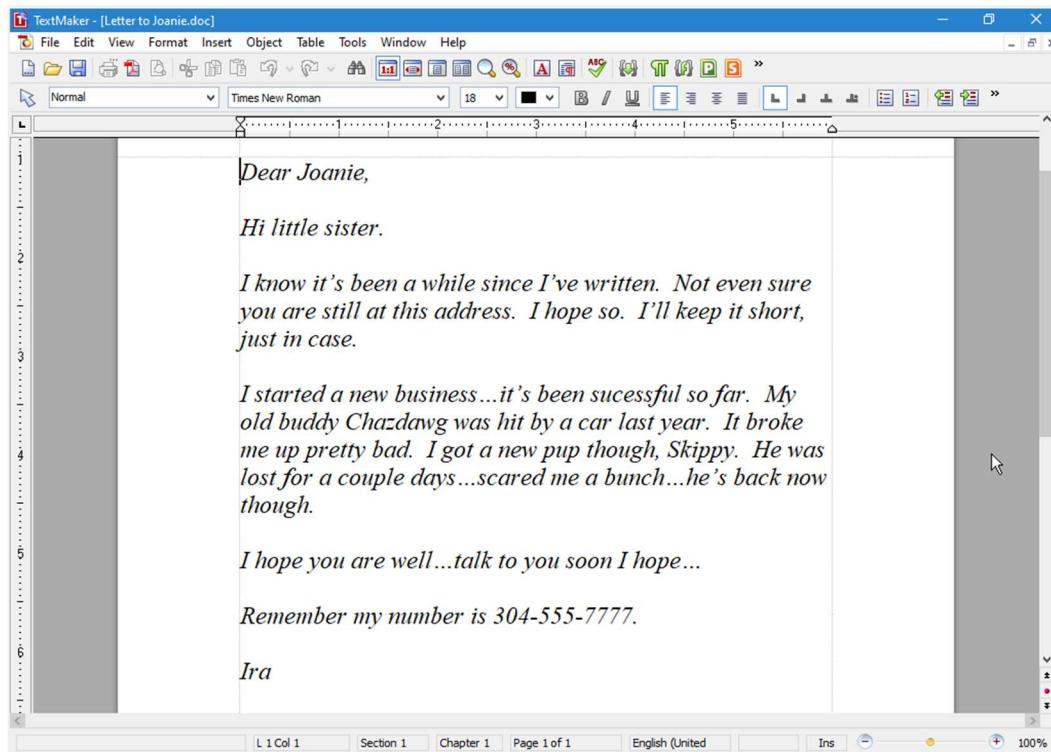
In directory C:\Documents and Settings\rsn\data\data3\Orders and Records

1:14 PM: response to ids r us.doc



In directory C:\Documents and Settings\rsn\My Documents

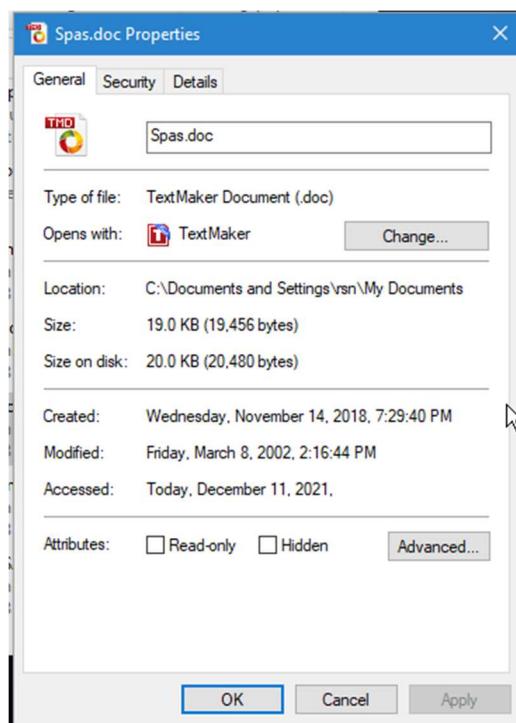
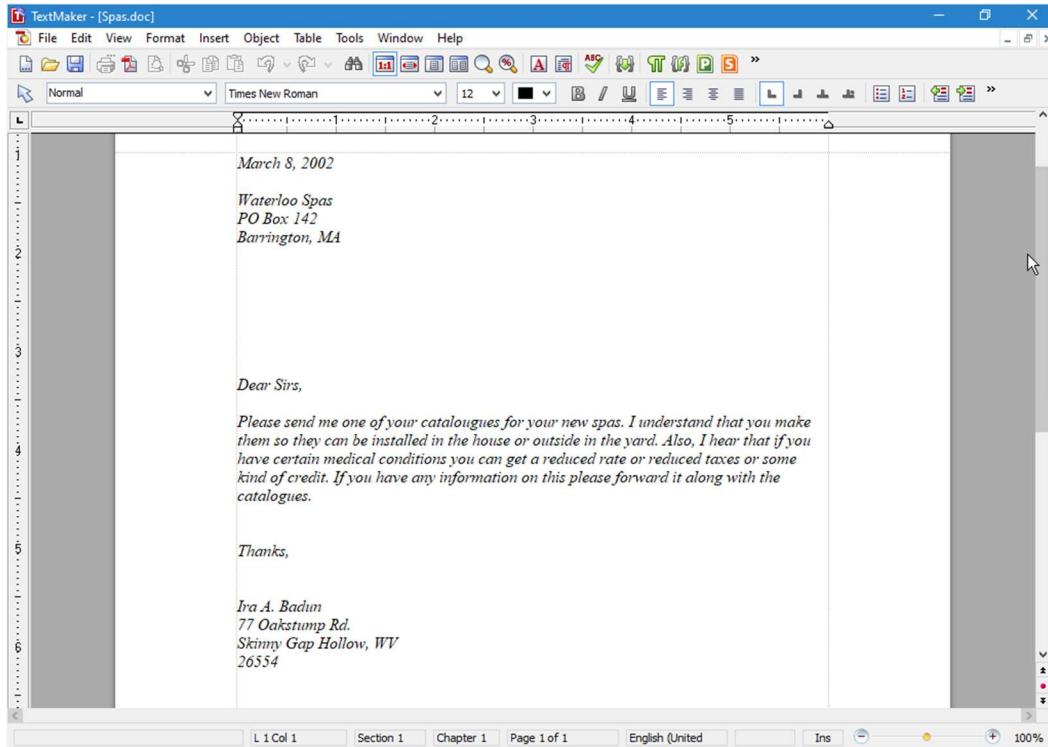
2:32 PM: Letter to Joanie.doc



## March 8, 2002

On this day, the individual Ira Badun sent an email to Waterloo Spas, inquiring about their spa catalogue.

In directory *C:\Documents and Settings\rsn\My Documents*

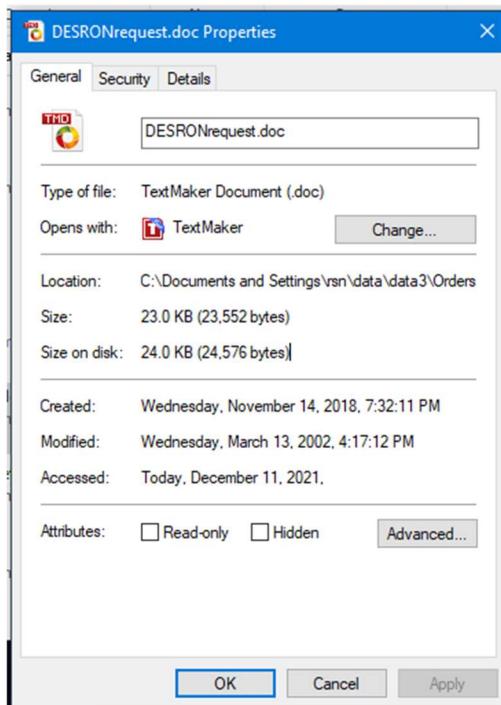
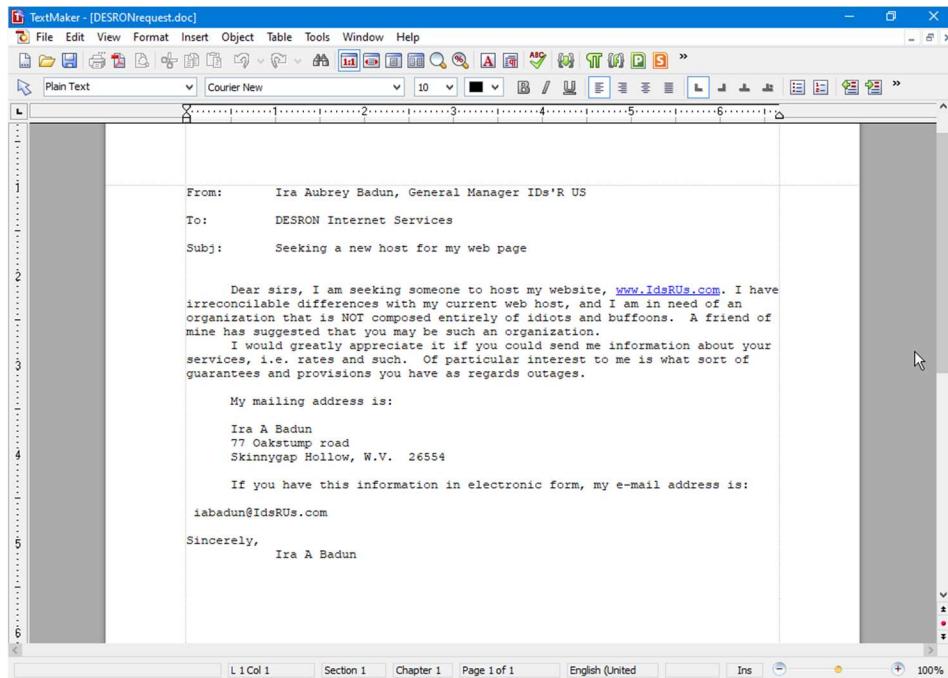


## March 13, 2002

On this day, it appears that an email was sent from the individual Ira Badun to DESRON Internet Services. The email is inquiring about hosting a website with the URL www.IdsRUs.com.

In directory *C:\Documents and Settings\rsn\data\data3\Orders and Records*

4:17 PM: *DESRONrequest.doc*

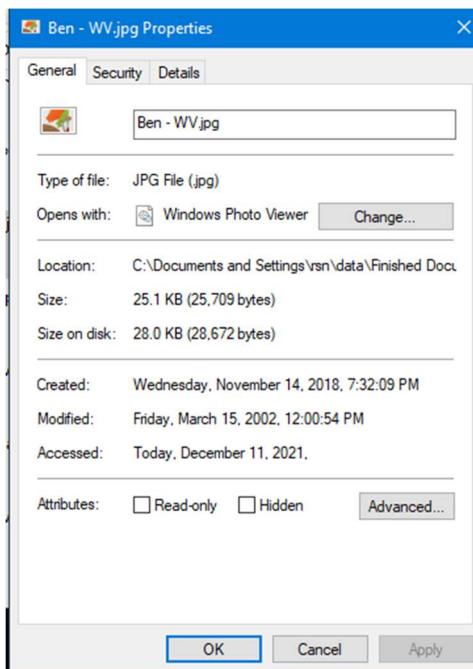
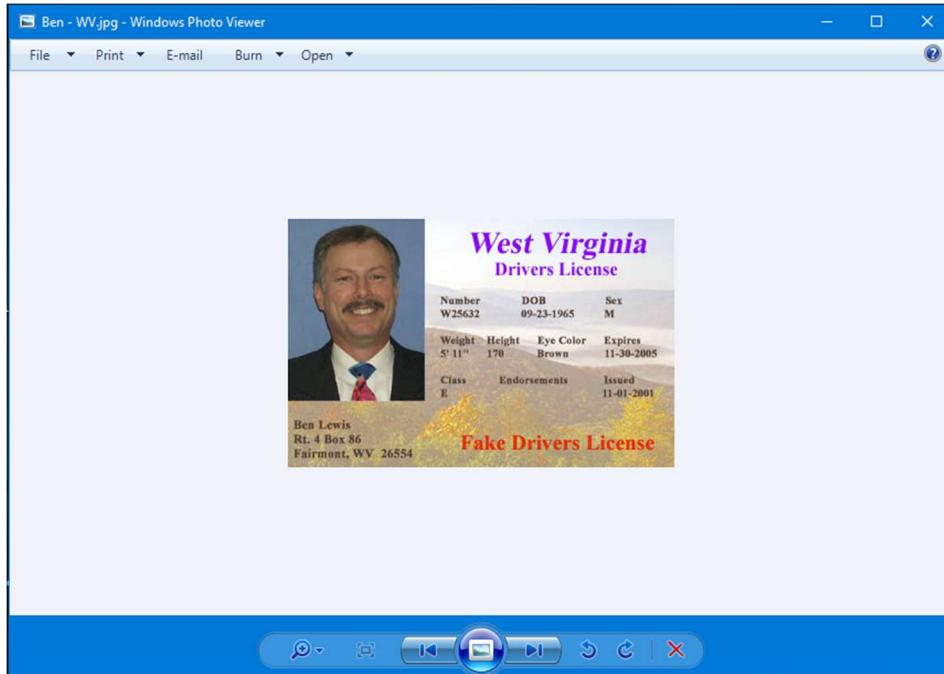


## March 15, 2002

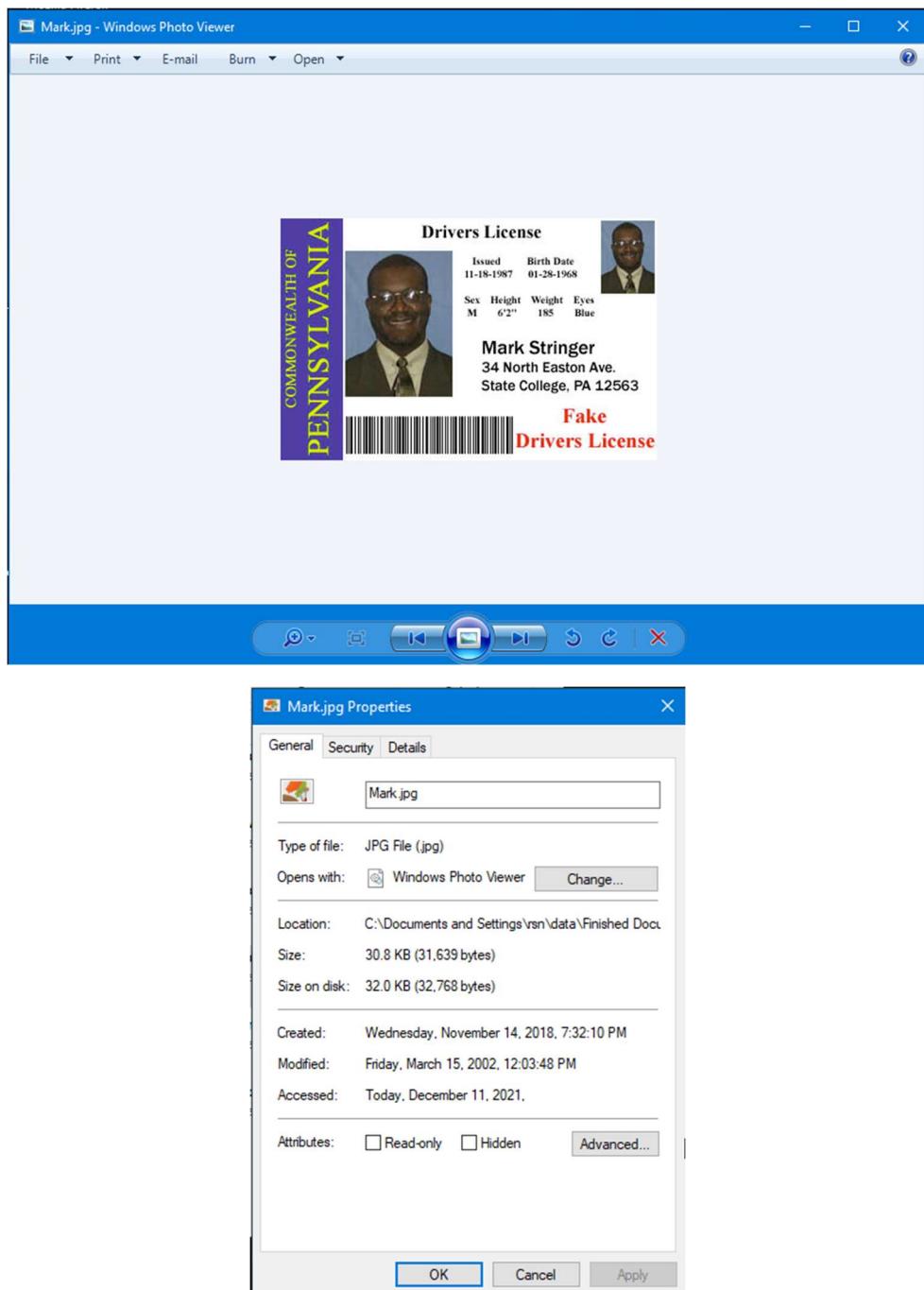
On this day, 11 images containing what appear to be driver's licenses were added to the system.

In directory *C:\Documents and Settings\rsn\data\Finished Documents*

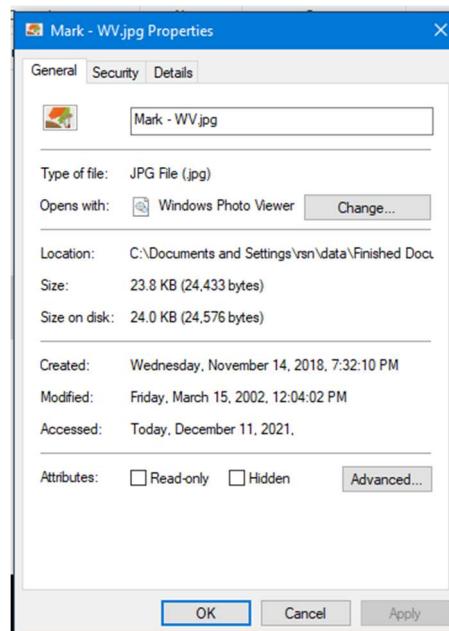
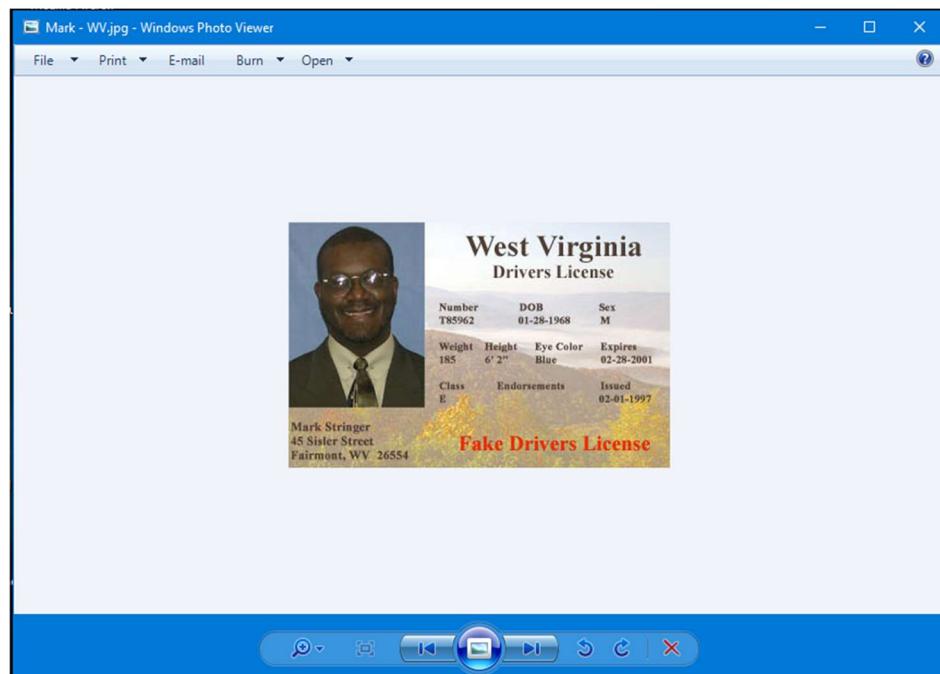
**12:00 PM:** Ben – WV.jpg



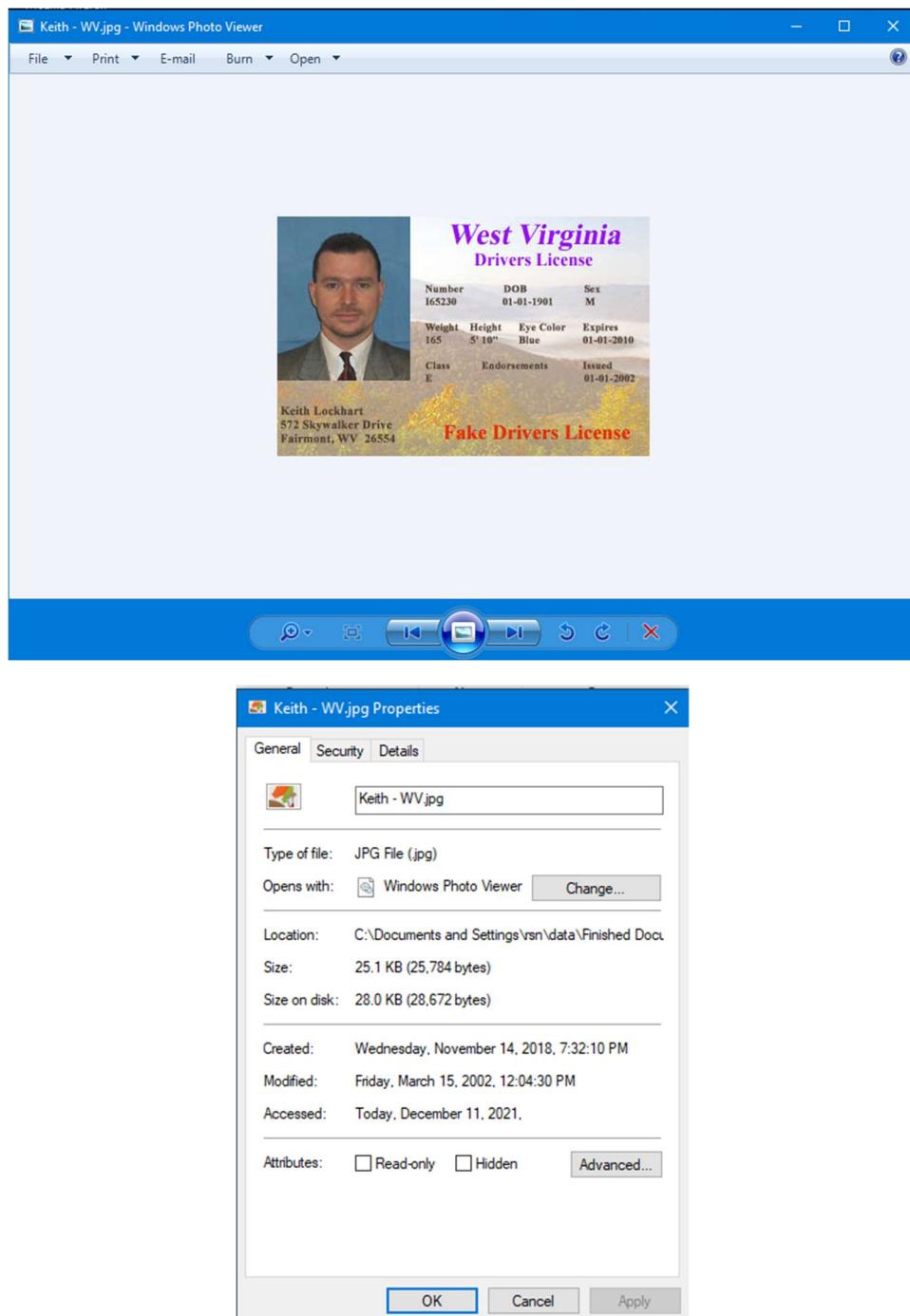
**12:03 PM:** *Mark.jpg*



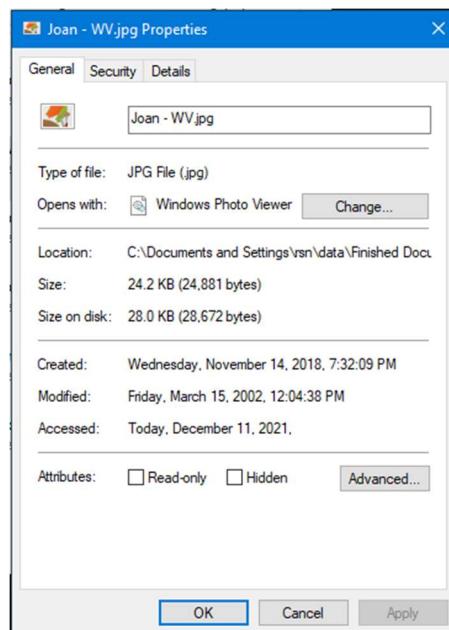
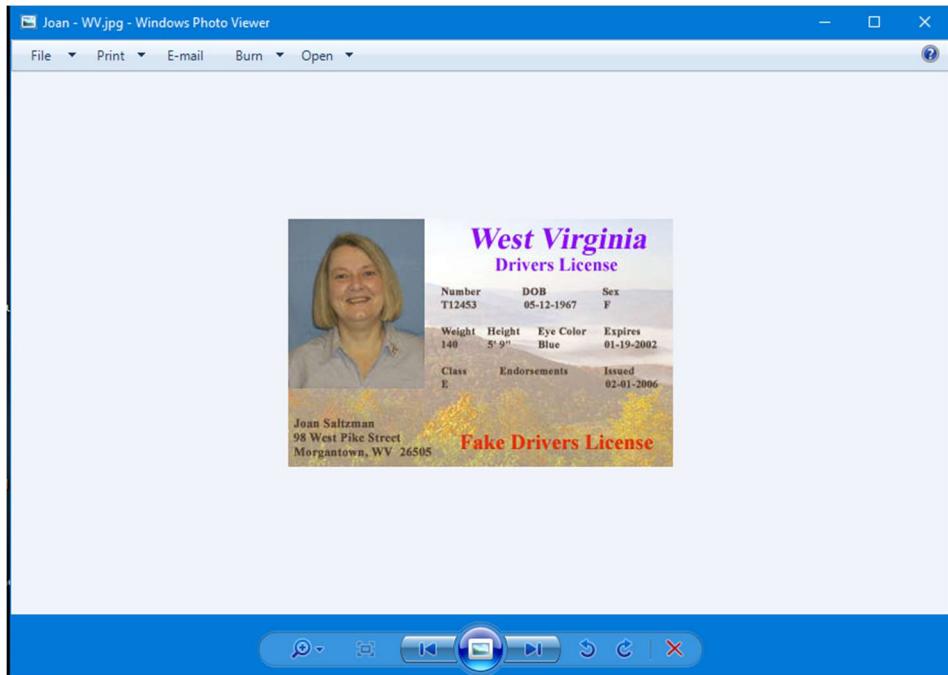
**12:04 PM:** *Mark – WV.jpg*



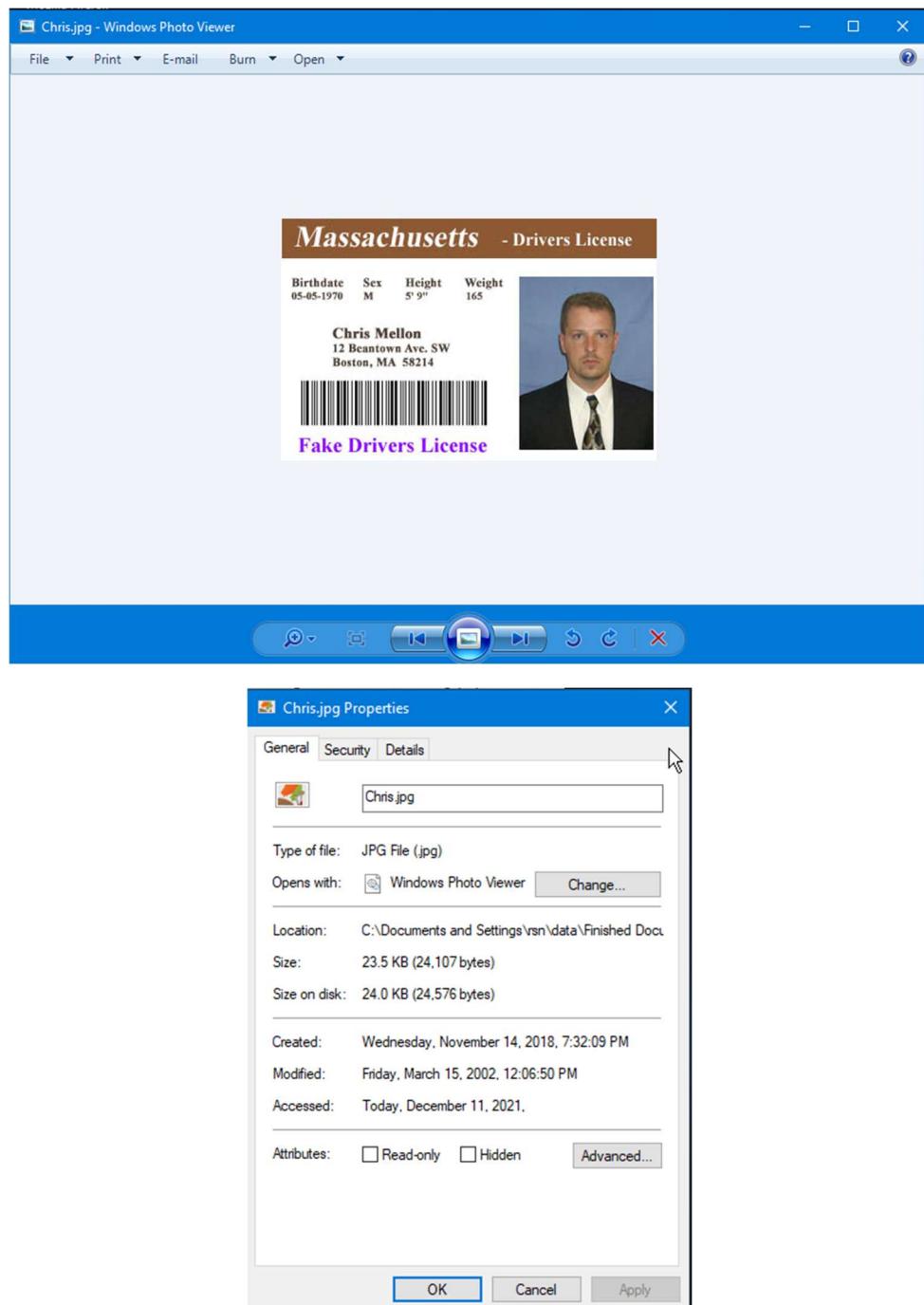
**12:04 PM:** *Keith – WV.jpg*



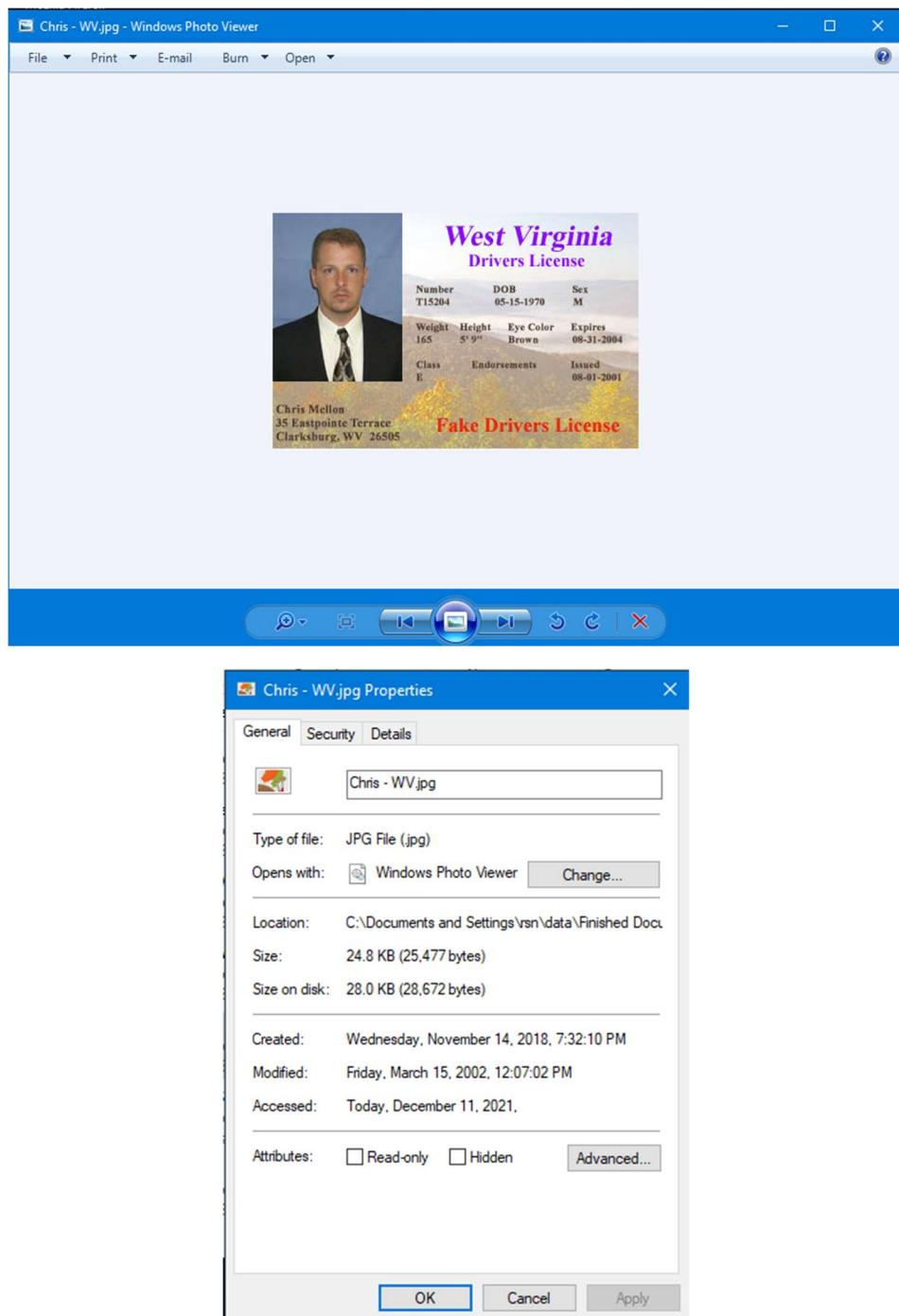
**12:04 PM:** *Joan – WV.jpg*



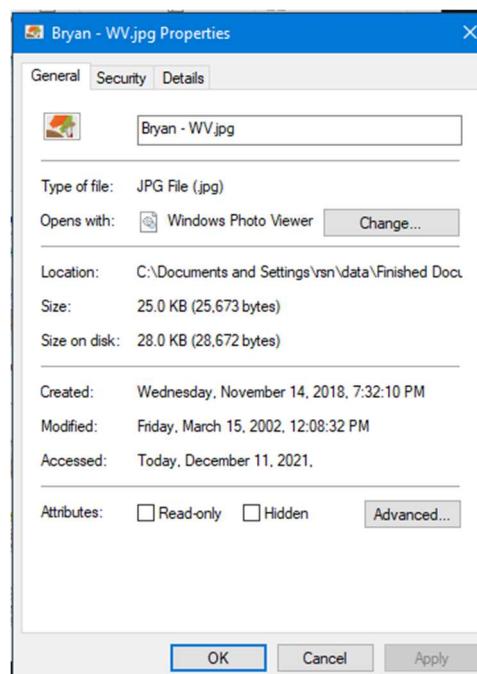
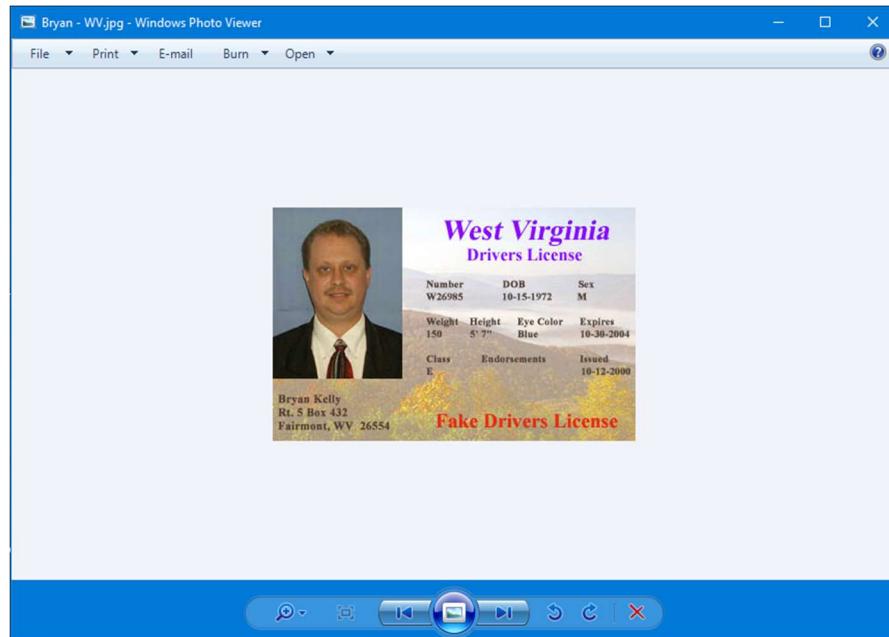
**12:06 PM:** *Chris.jpg*



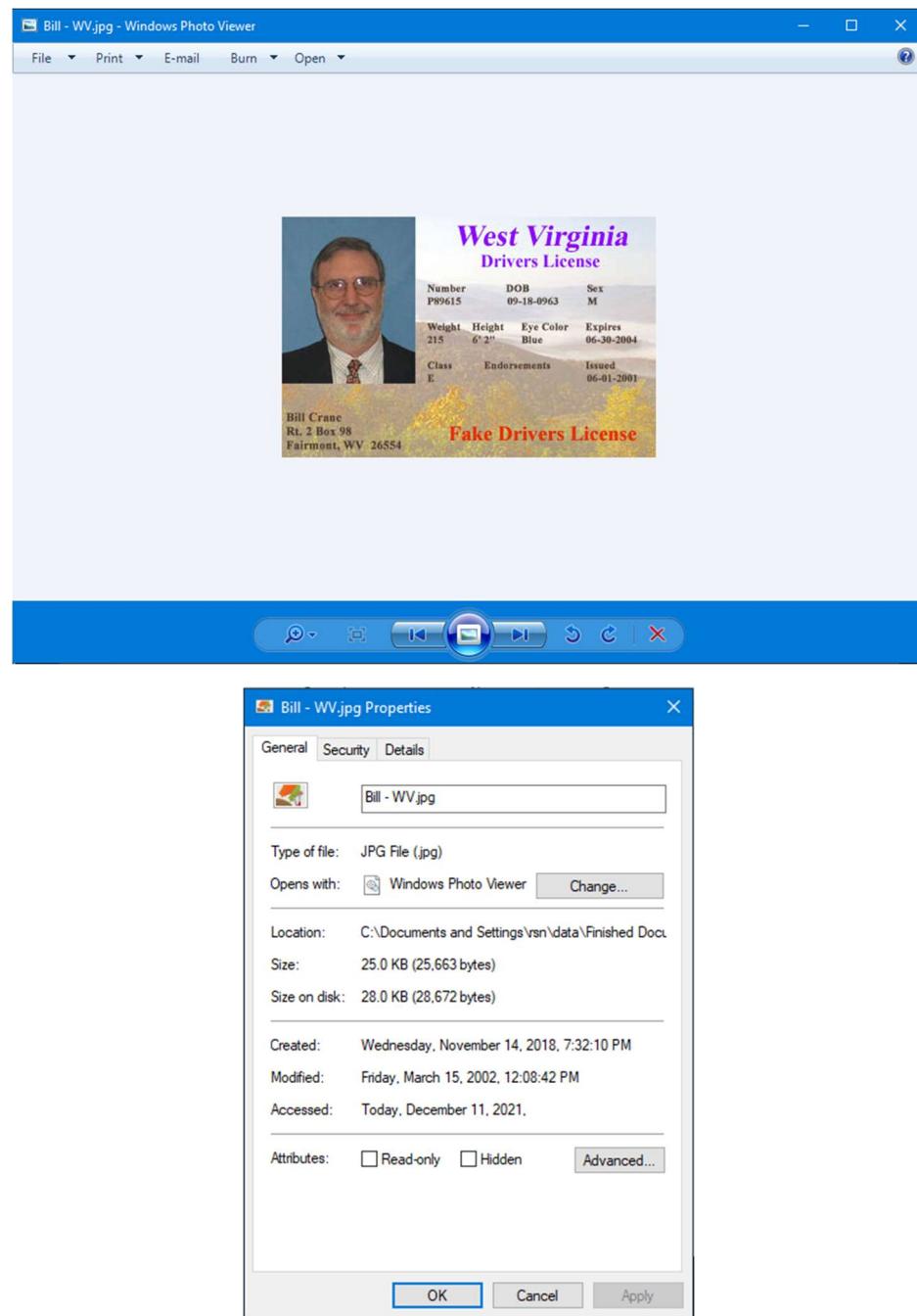
**12:07 PM:** Chris – WV.jpg



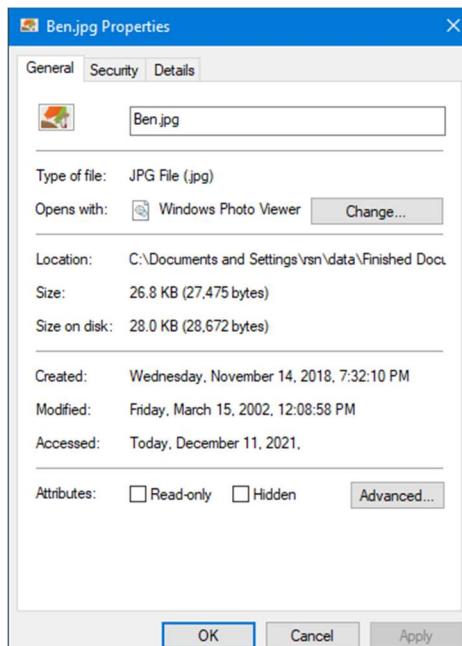
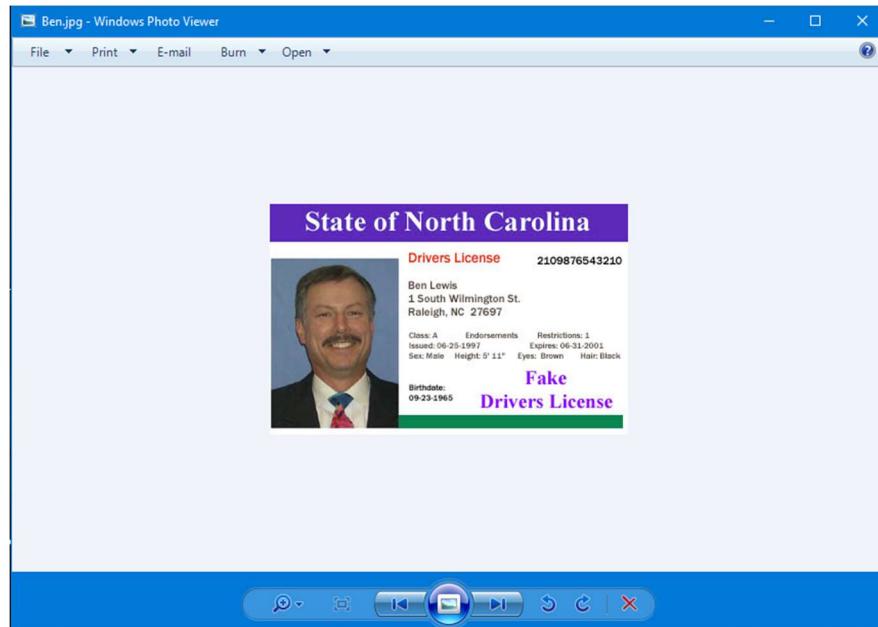
**12:08 PM: Bryan - WV.jpg**



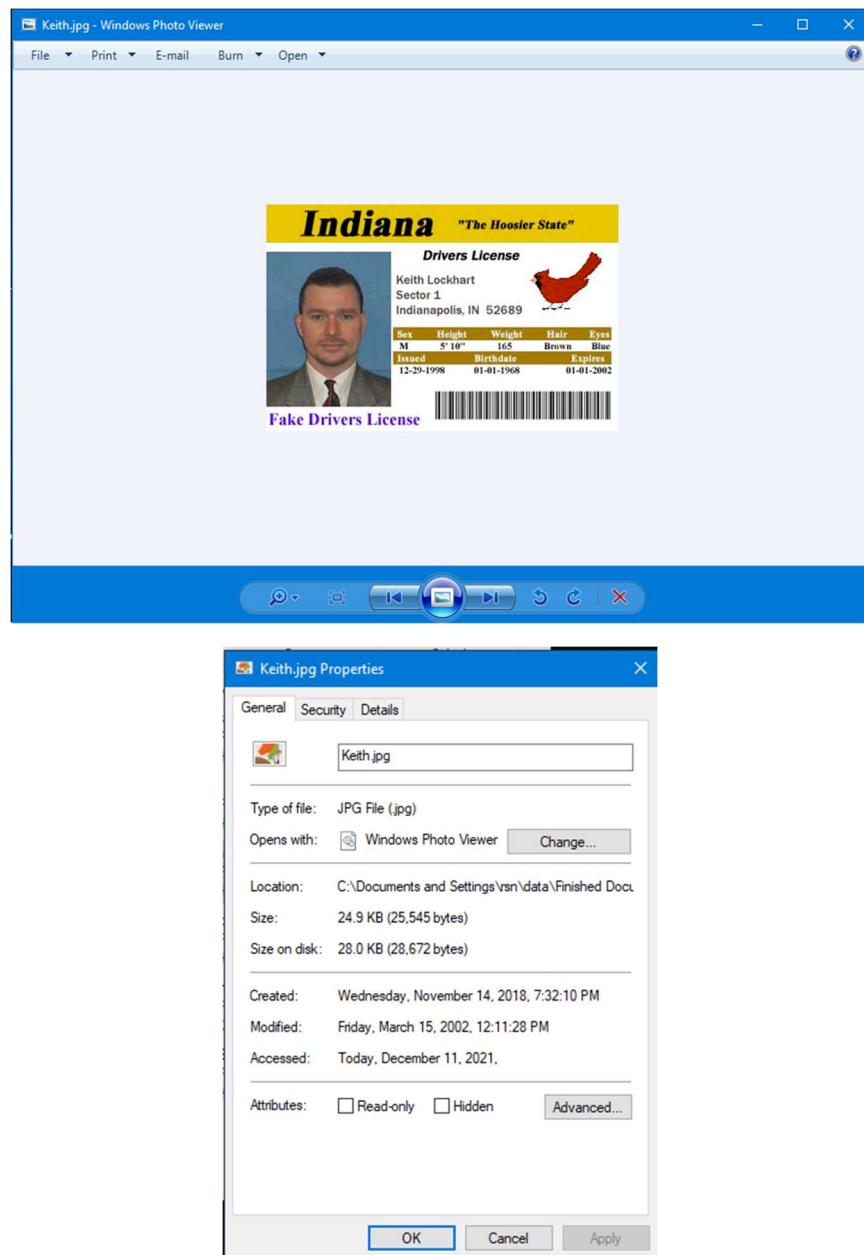
**12:08 PM:** Bill – WV.jpg



**12:08 PM:** Ben.jpg



**12:11 PM:** *Keith.jpg*

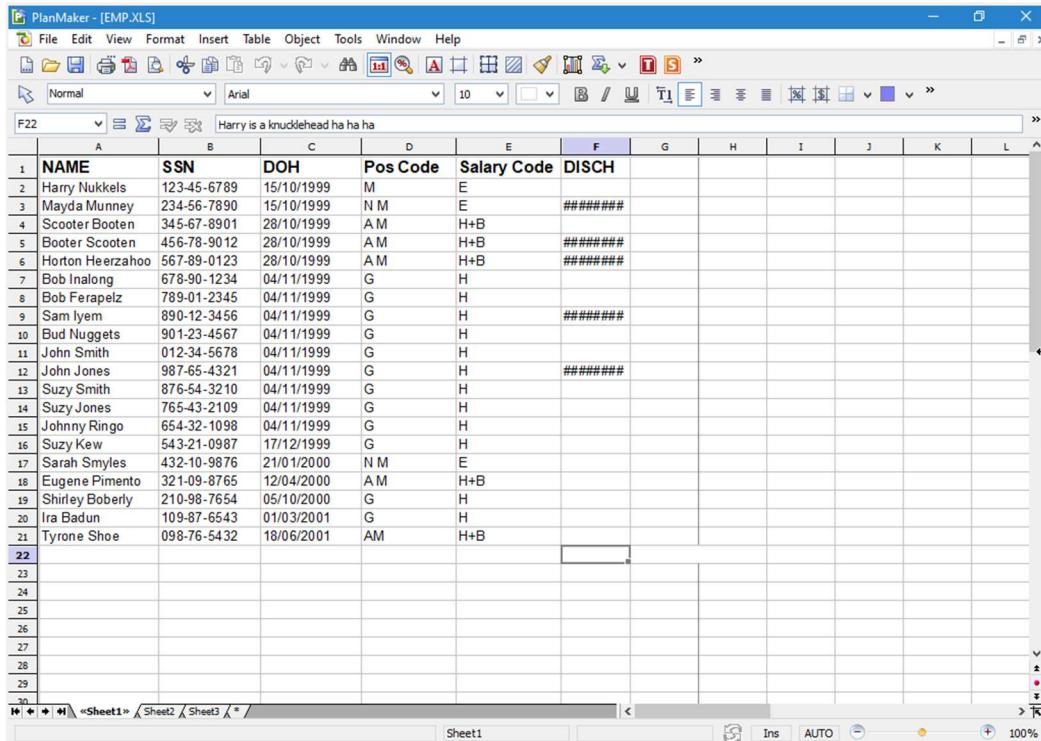


## March 16, 2002

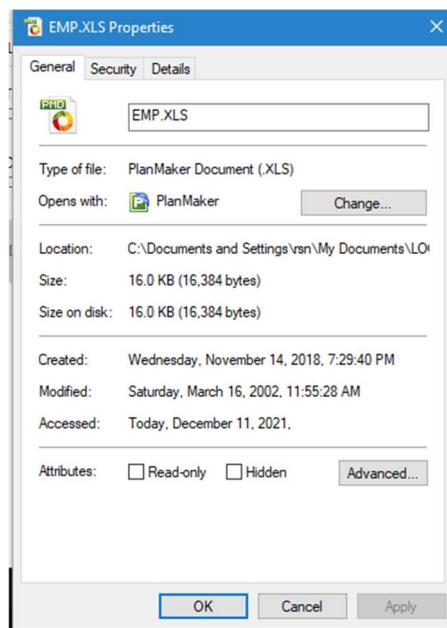
On this day, a new spreadsheet was added, containing 20 names, and what appears to be social security numbers along with some additional information.

In directory *C:\Documents and Settings\rsn\My Documents\LOOT*

**11:55 AM: EMP.XLS**



NAME	SSN	DOH	Pos Code	Salary Code	DISCH
Harry Nukkels	123-45-6789	15/10/1999	M	E	
Mayda Munney	234-56-7890	15/10/1999	N M	E	#####
Scooter Booten	345-67-8901	28/10/1999	A M	H+B	
Booter Scooten	456-78-9012	28/10/1999	A M	H+B	#####
Horton Herzahoo	567-89-0123	28/10/1999	A M	H+B	#####
Bob Inalong	678-90-1234	04/11/1999	G	H	
Bob Ferapelz	789-01-2345	04/11/1999	G	H	#####
Sam Iyem	890-12-3456	04/11/1999	G	H	#####
Bud Nuggets	901-23-4567	04/11/1999	G	H	
John Smith	012-34-5678	04/11/1999	G	H	
John Jones	987-65-4321	04/11/1999	G	H	#####
Suzy Smith	876-54-3210	04/11/1999	G	H	
Suzy Jones	765-43-2109	04/11/1999	G	H	
Johnny Ringo	654-32-1098	04/11/1999	G	H	
Suzy Kew	543-21-0987	17/12/1999	G	H	
Sarah Smyles	432-10-9876	21/01/2000	N M	E	
Eugene Pimento	321-09-8765	12/04/2000	A M	H+B	
Shirley Boberly	210-98-7654	05/10/2000	G	H	
Ira Badun	109-87-6543	01/03/2001	G	H	
Tyrone Shoe	098-76-5432	18/06/2001	AM	H+B	



**May 24, 2005**

On this day, a spreadsheet was added to the disk drive containing the names of several individuals, along with other information about them.

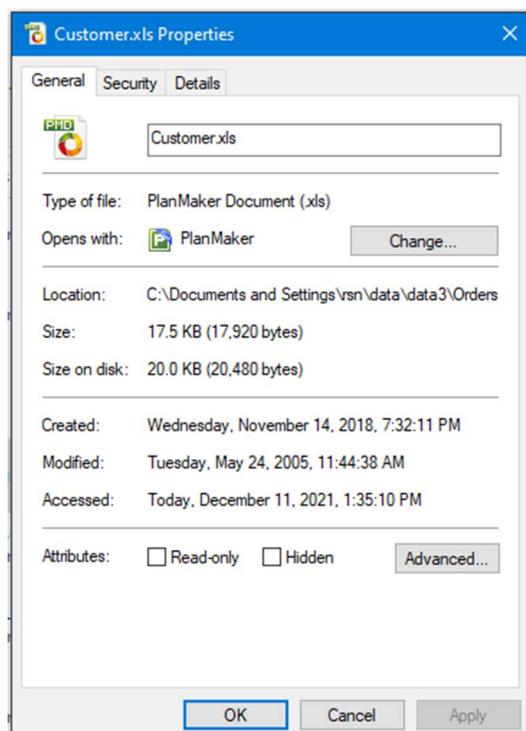
In directory *C:\Documents and Settings\rsn\data\data3\Orders and Records*

**11:44 AM: Customer.xls**

Customer	State Requested	SS Card YES/NO	Charge	Paid YES/NO
<b>ANGEL GROUP</b>				
Mike Smith	North Carolina	NO	\$700	YES
Mike Smith	West Virginia	NO		
Damita Pagan	West Virginia	NO		
Teri Campbell	West Virginia	NO		
Sierra Dakota	West Virginia	NO		
Sierra Humphrey	New Mexico	NO		
Carla Curran	West Virginia	NO		
<b>JONES GROUP</b>			\$1,500	YES
Charles Giglia	West Virginia	YES		
Charles Giglia	Hawaii			
Wade Grant	Georgia	YES		
Wade Grant	West Virginia			
Dean Chatfield	West Virginia	YES		
Dean Chatfield	Arizona			
Mel Joiner	Arizona	YES		
Mel Joiner	West Virginia			
Bud Nuggets	West Virginia	YES		
Bud Nuggets	Oregon			

Raemarie Schmidt	Wisconsin	YES		
<b>J. MASTER GROUP</b>			\$350	YES
Keith Lockhart	Indiana	NO		
Keith Lockhart	West Virginia			
Chris Mellon	Massachusetts	NO		
Chris Mellon	West Virginia			
<b>Kelly Bryant</b>			\$125	NO
Brian Kelly	West Virginia	NO		
<b>P. B. Steeler</b>			\$200	YES
Mark Stringer	Pennsylvania	NO		
Mark Stringer	West Virginia			
<b>Ben Jammin</b>			\$250	NO
Ben Lewis	North Carolina	YES		
Ben Lewis	West Virginia			
<b>Sodium Chloride</b>			\$125	NO
Joan Saltzman	West Virginia	NO		

	A	B	C	D	E	F
45	I. M. Bossman			\$150	NO	
46	Bill Crane	West Virginia	YES			
47						
48						
49						
50						
51						
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66						

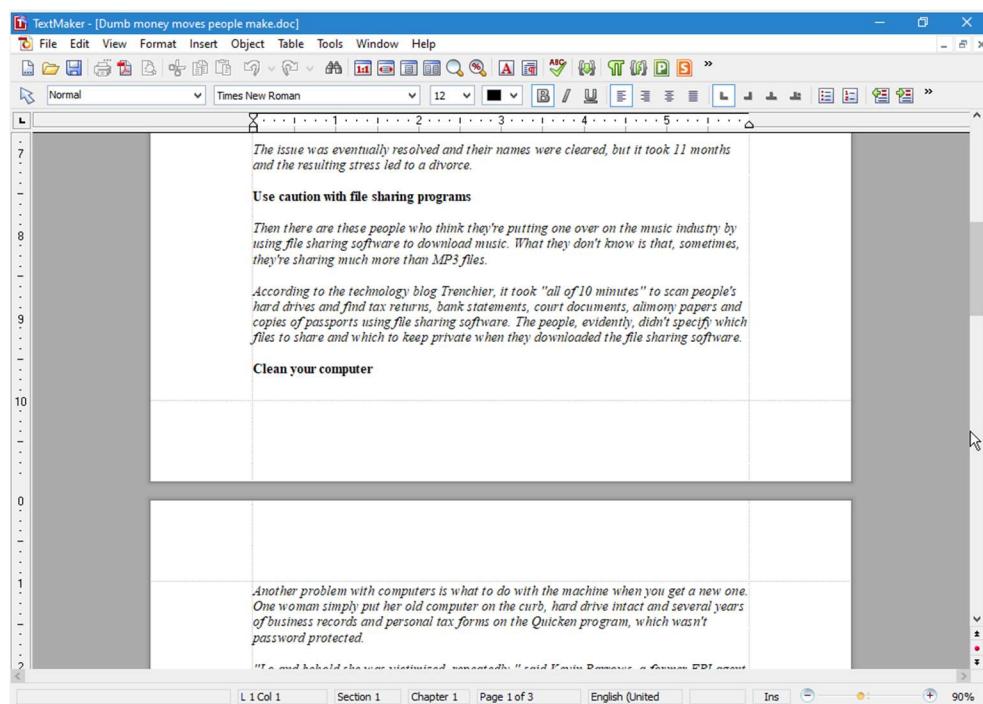
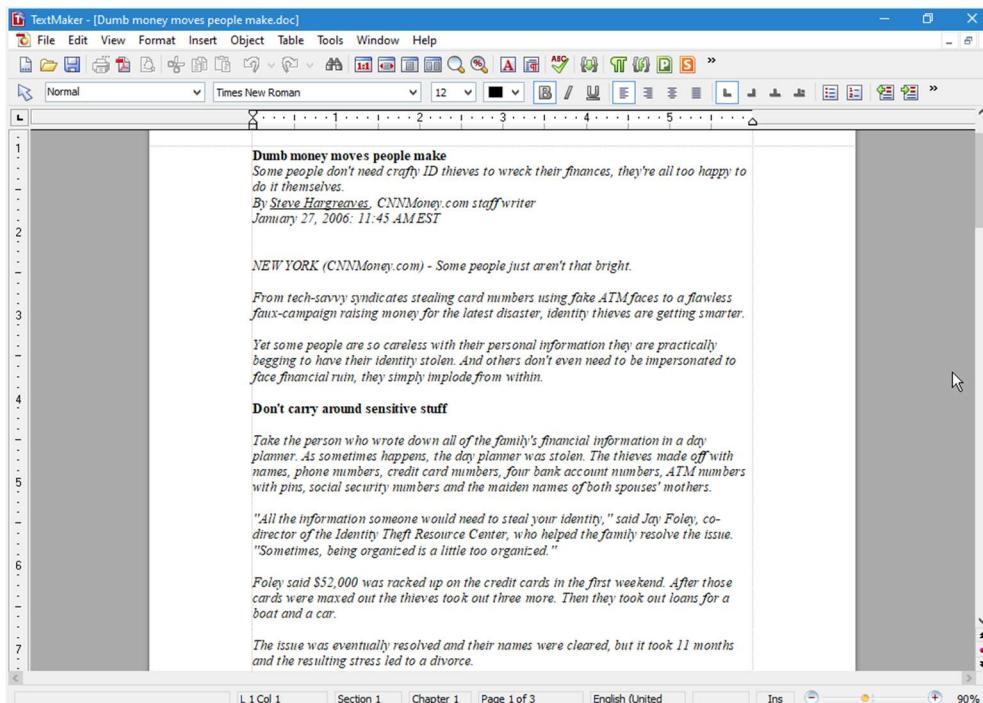


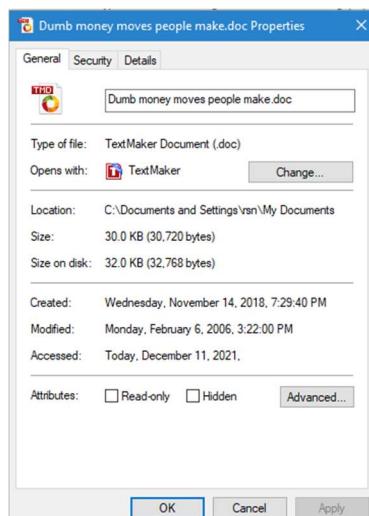
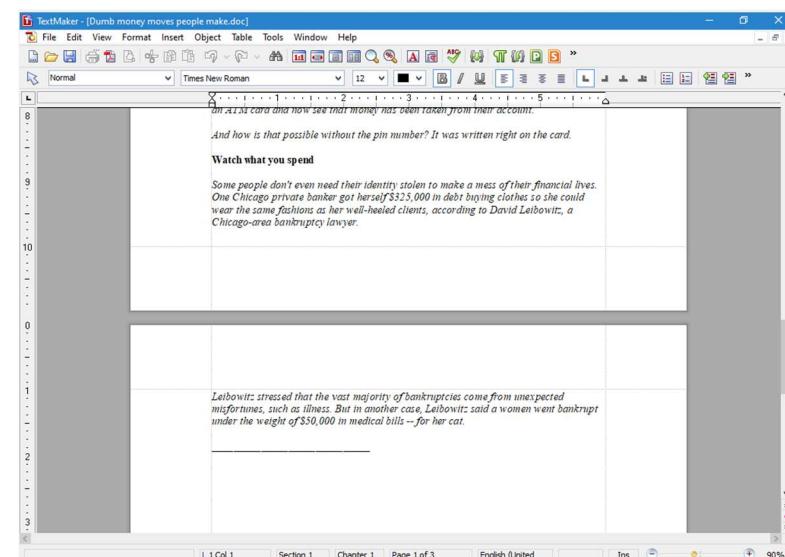
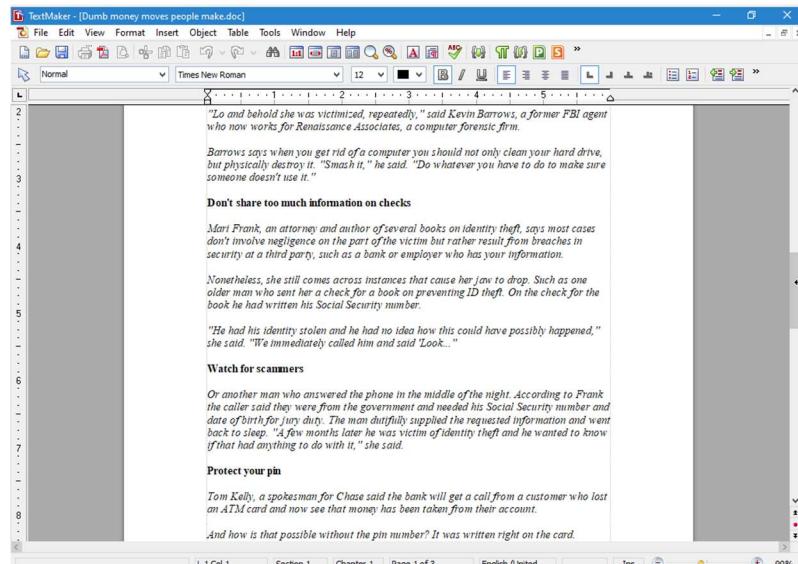
## February 6, 2006

On this day, an article from CNNMoney.com was saved to the system regarding money management.

In directory *C:\Documents and Settings\rsn\My Documents*

**3:22 PM:** *Dumb money moves people make.doc*



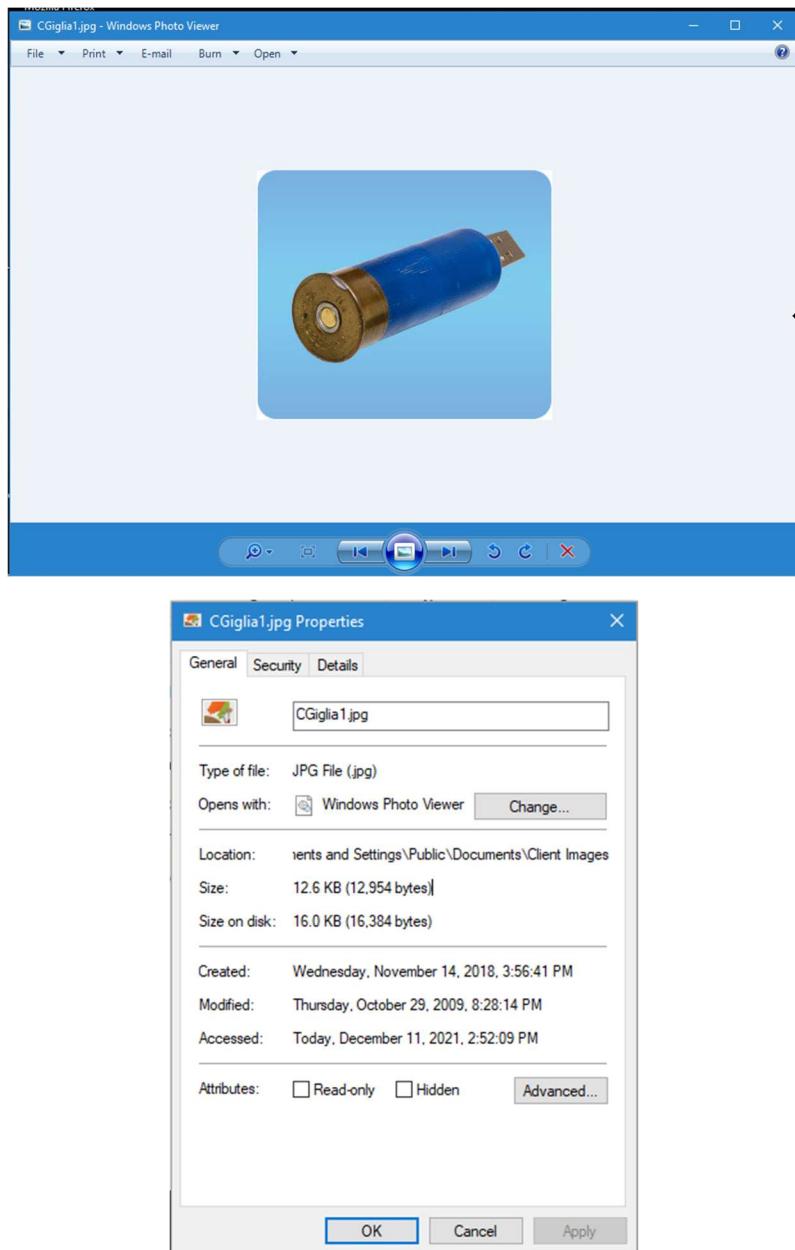


## October 29, 2009

On this day, an image appeared on the system that appears to picture some type of flash drive.

In directory *C:\Documents and Settings\Public\Documents\Client Images*

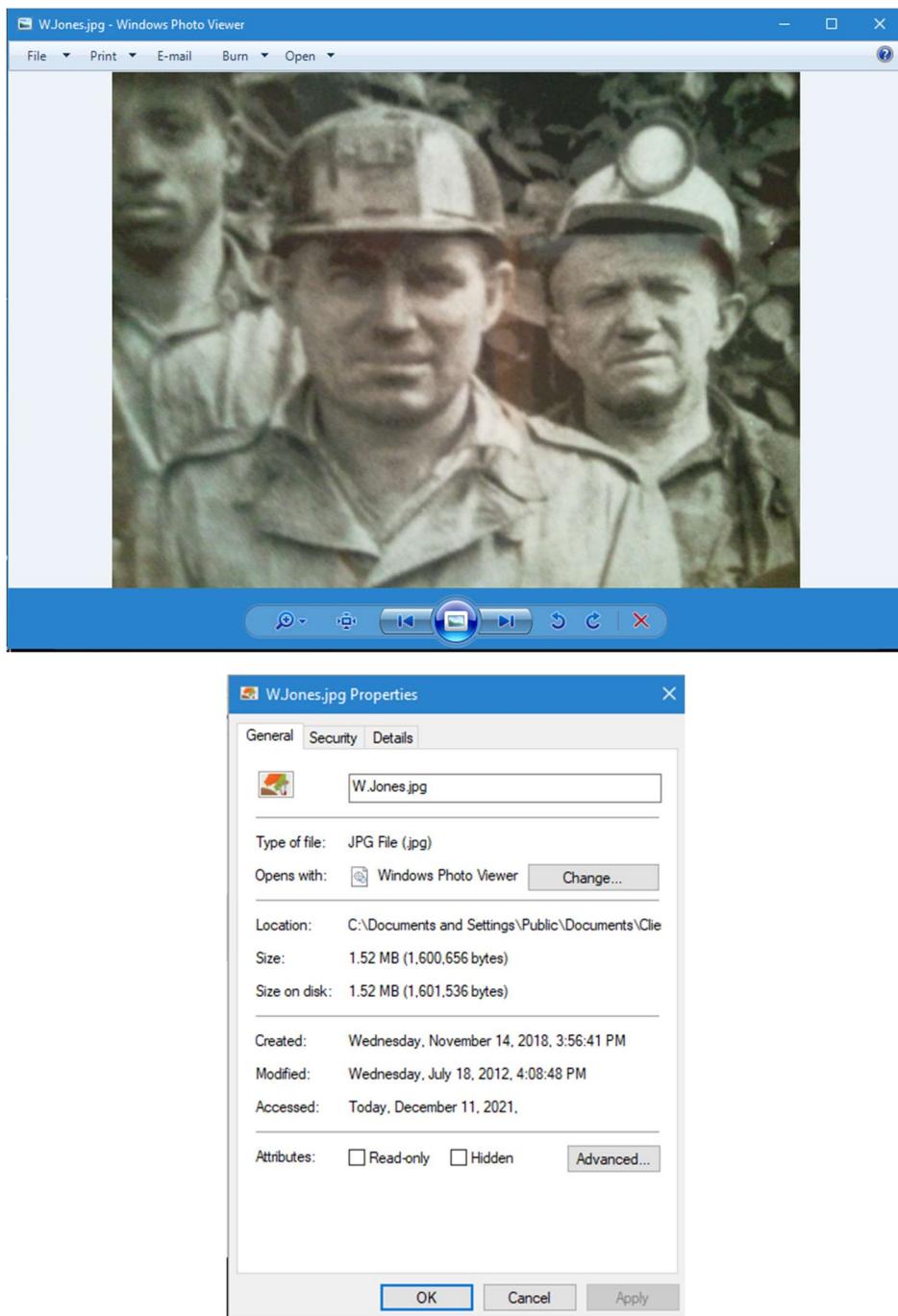
**8:28 PM:** CGiglia1.jpg



## July 18, 2012

On this day, an image appeared on the system of 3 individuals.

In directory *C:\Documents and Settings\Public\Documents\Client Images*

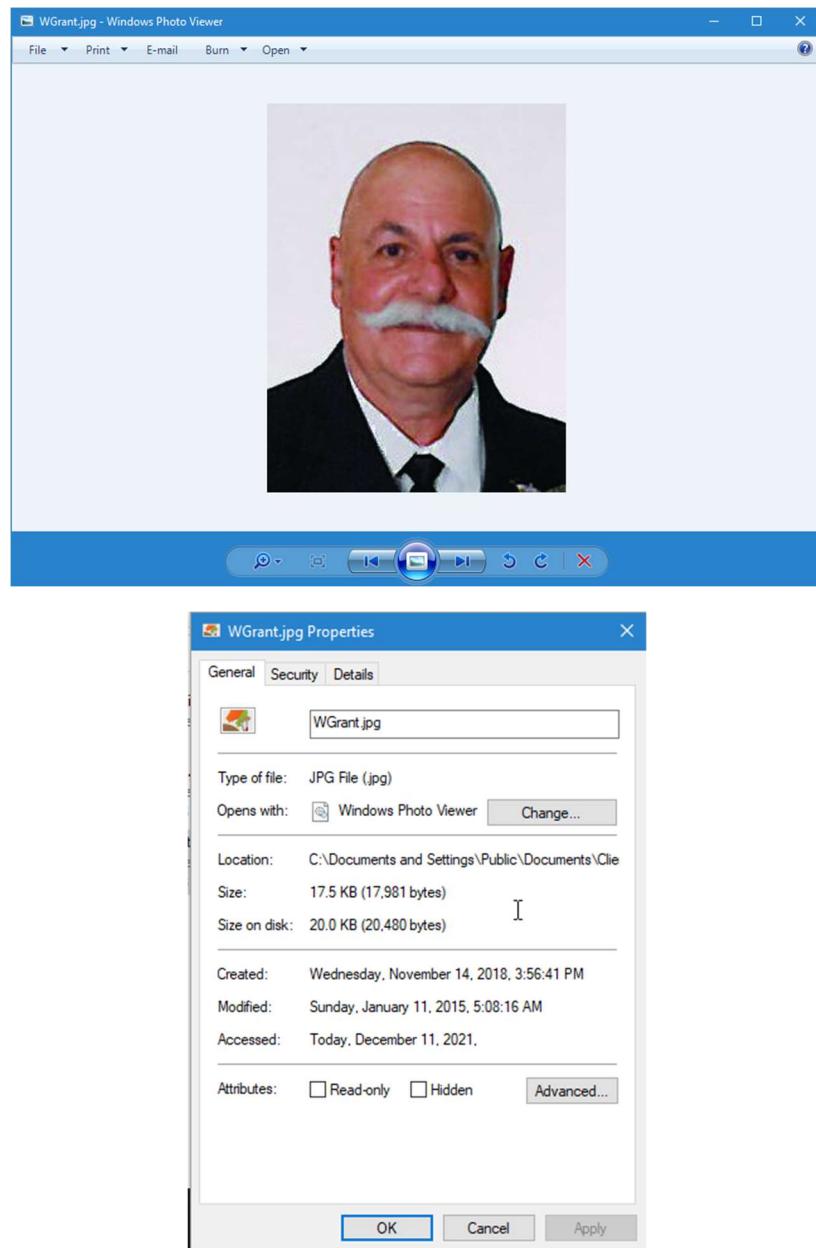


## January 11, 2015

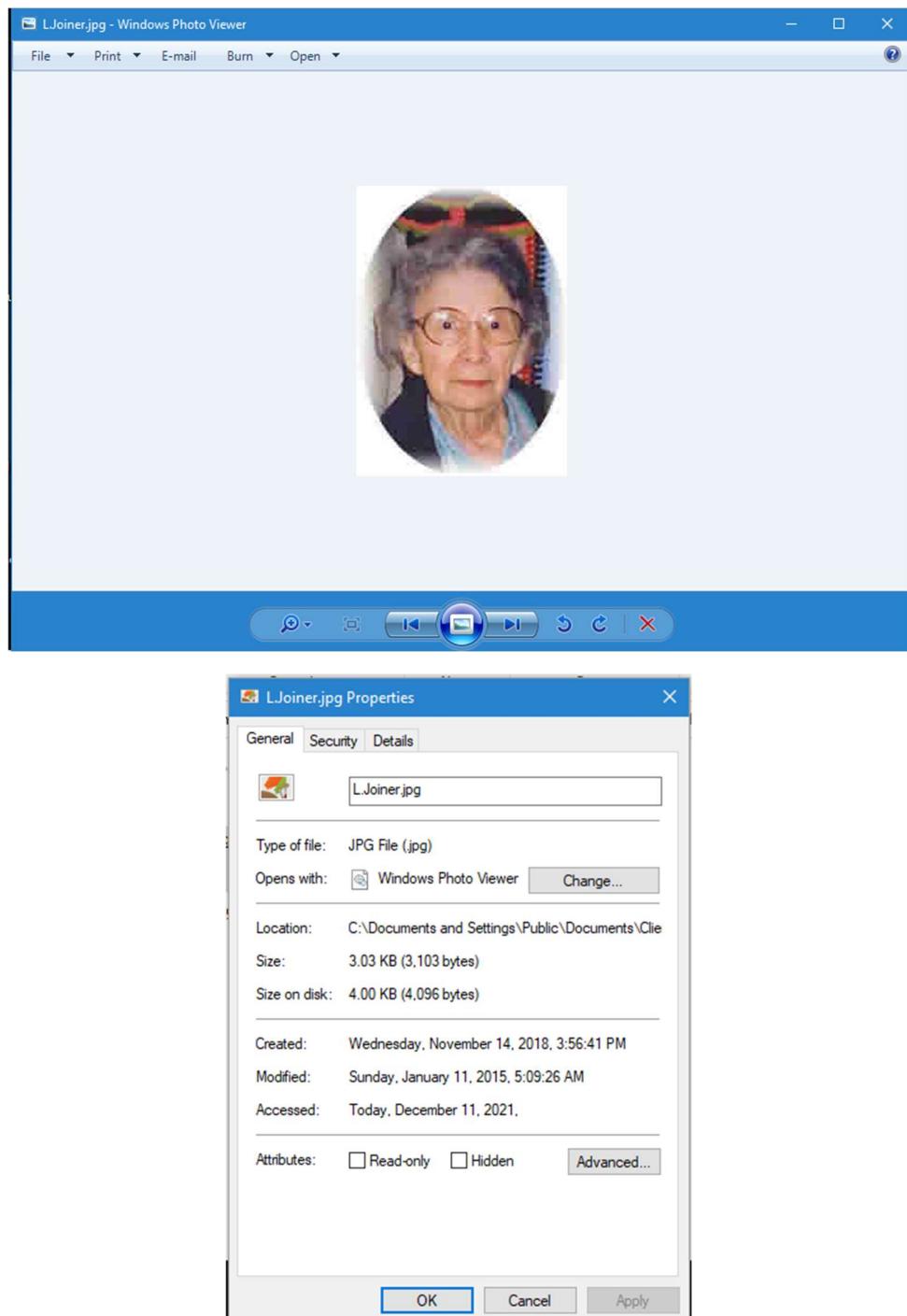
On this day, 4 images appeared on the system of various individuals.

In directory *C:\Documents and Settings\Public\Documents\Client Images*

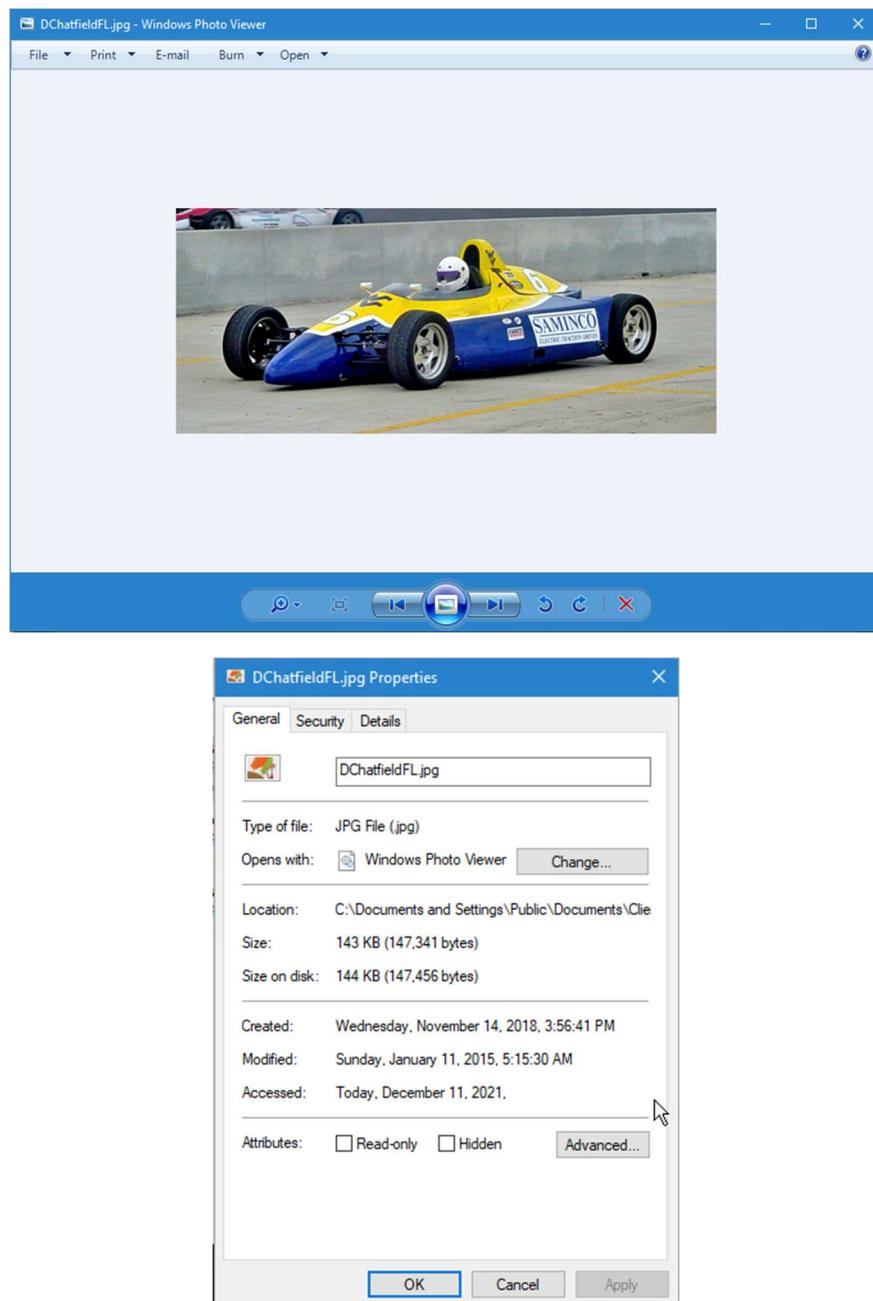
**5:08 AM:** *WGrant.jpg*



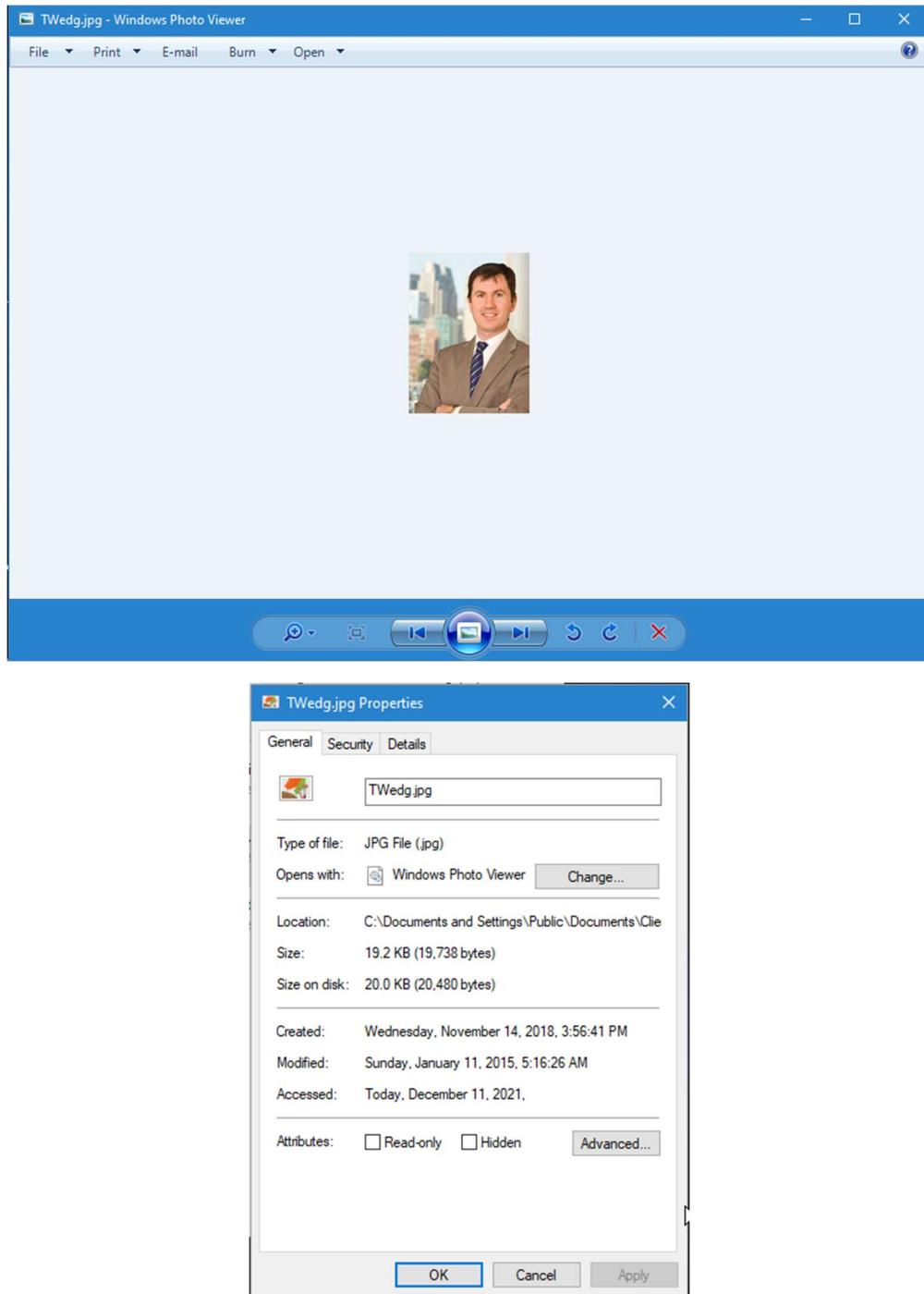
**5:09 AM: L.Joiner.jpg**



**5:15 AM:** DChatfieldFL.jpg



**5:16 AM: TWedg.jpg**

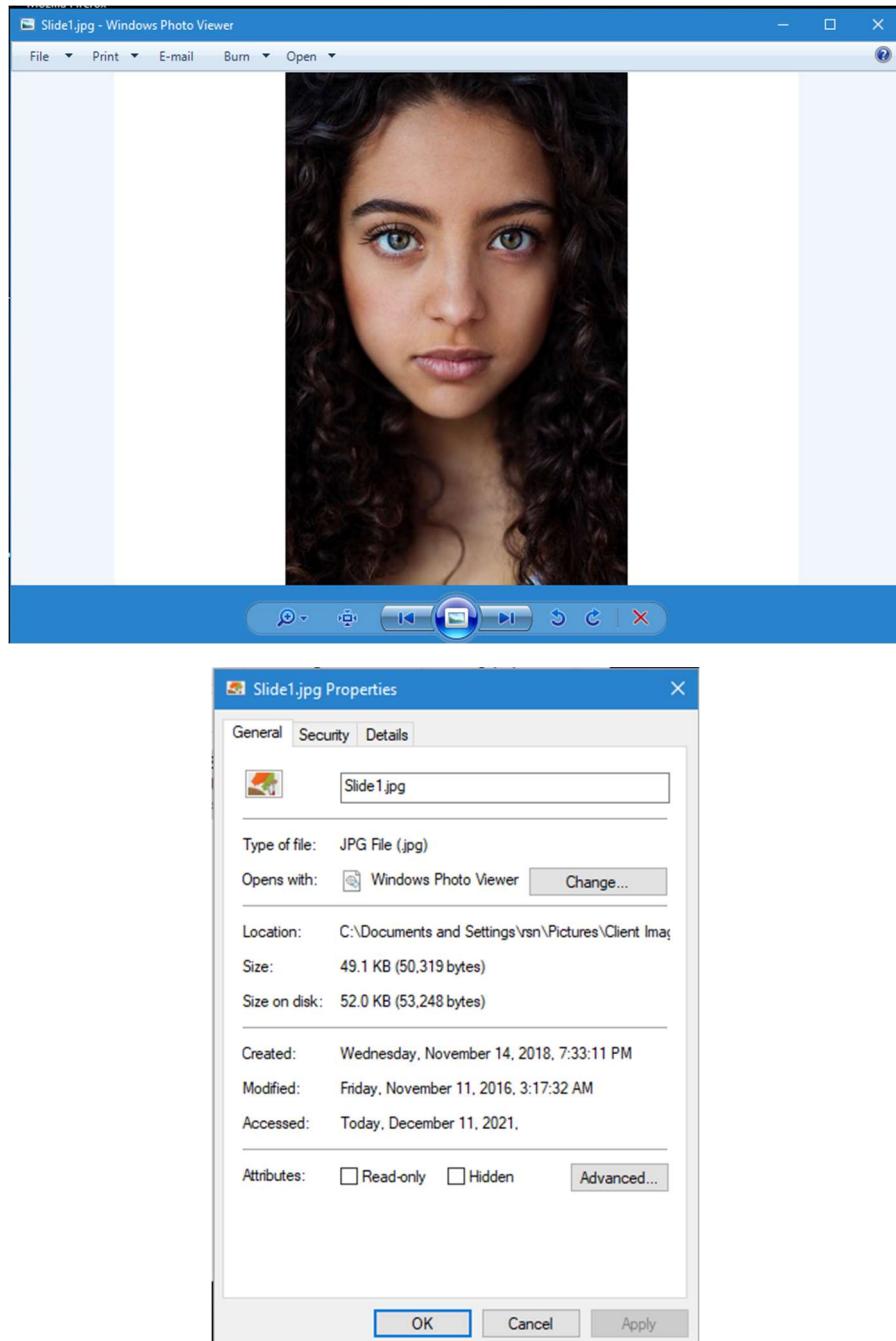


## November 11, 2016

On this day, 10 images of various people appeared on the system.

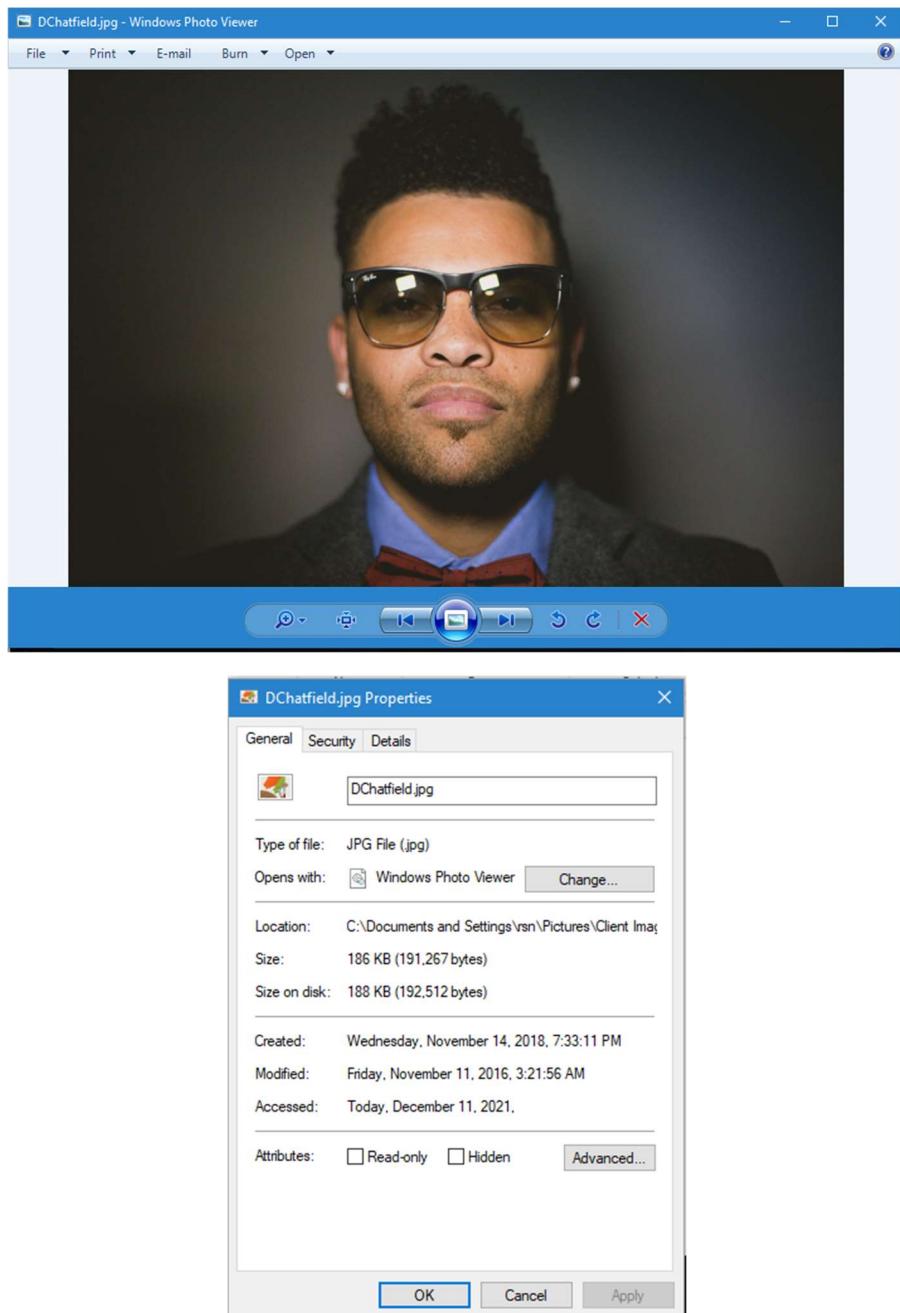
In directory *C:\Documents and Settings\vsn\Pictures\Client Images\CGiglia*

**3:17 AM:** *Slide1.jpg*

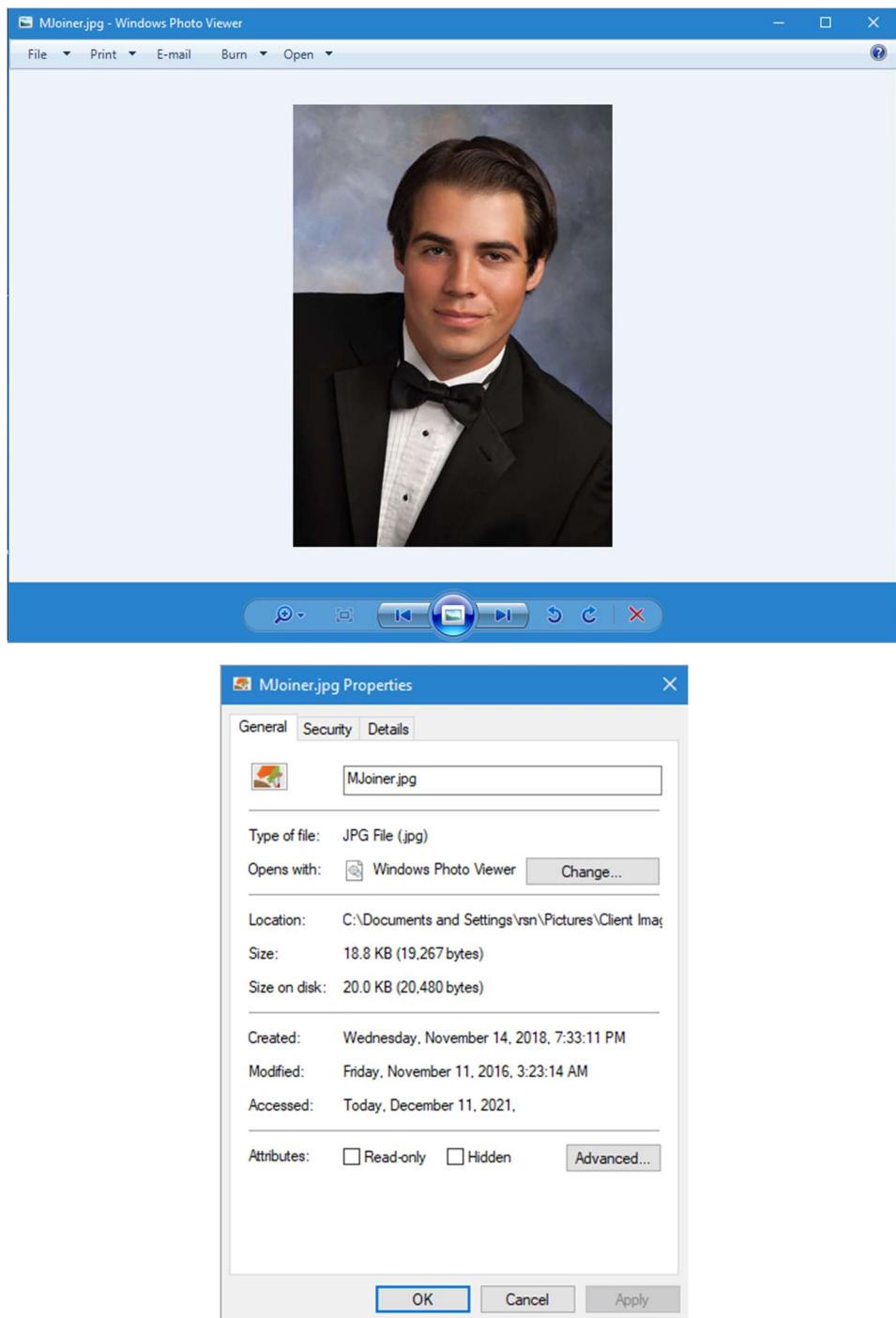


In directory *C:\Documents and Settings\rsn\Pictures\Client Images*

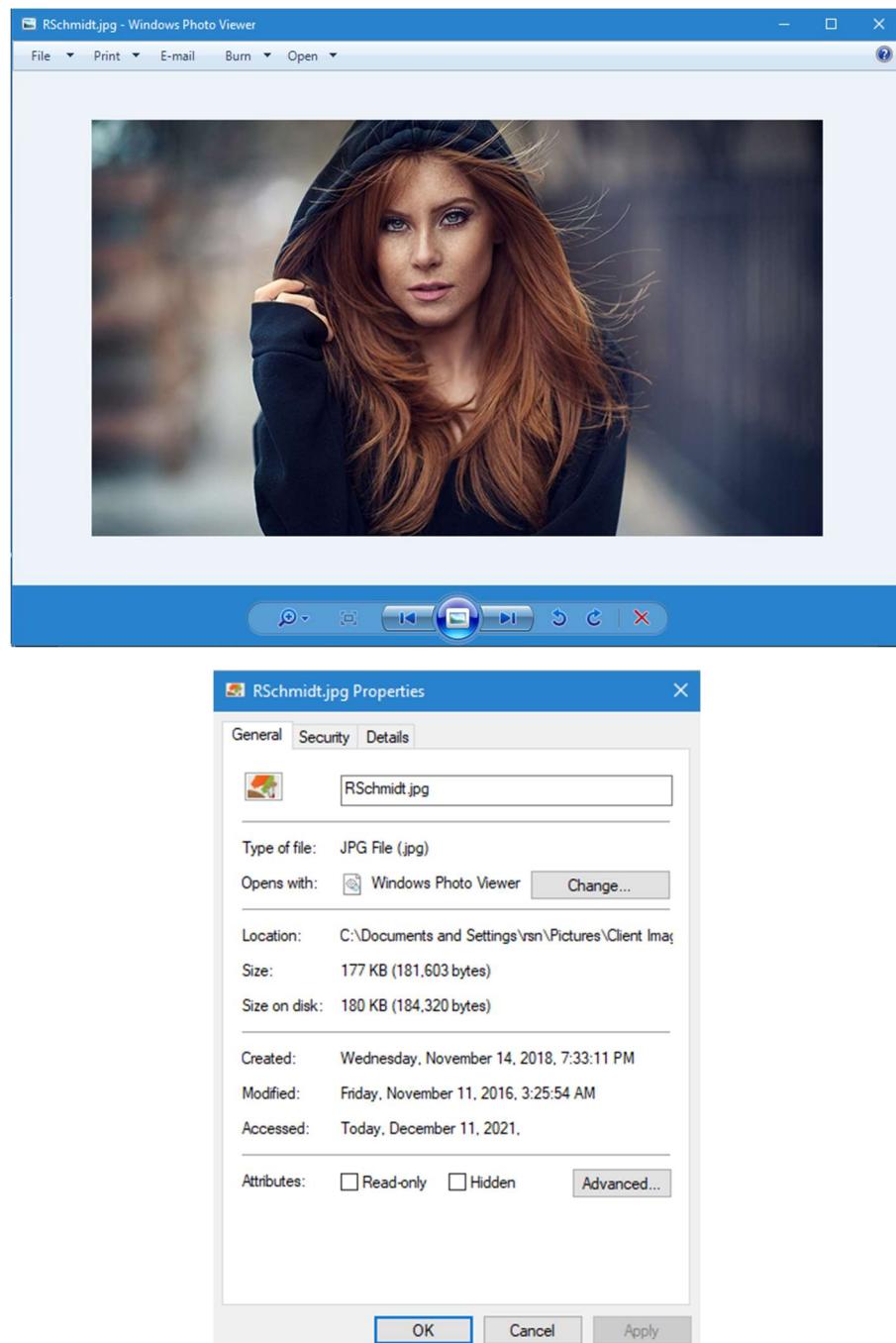
**3:21 AM:** *DChatfield.jpg*



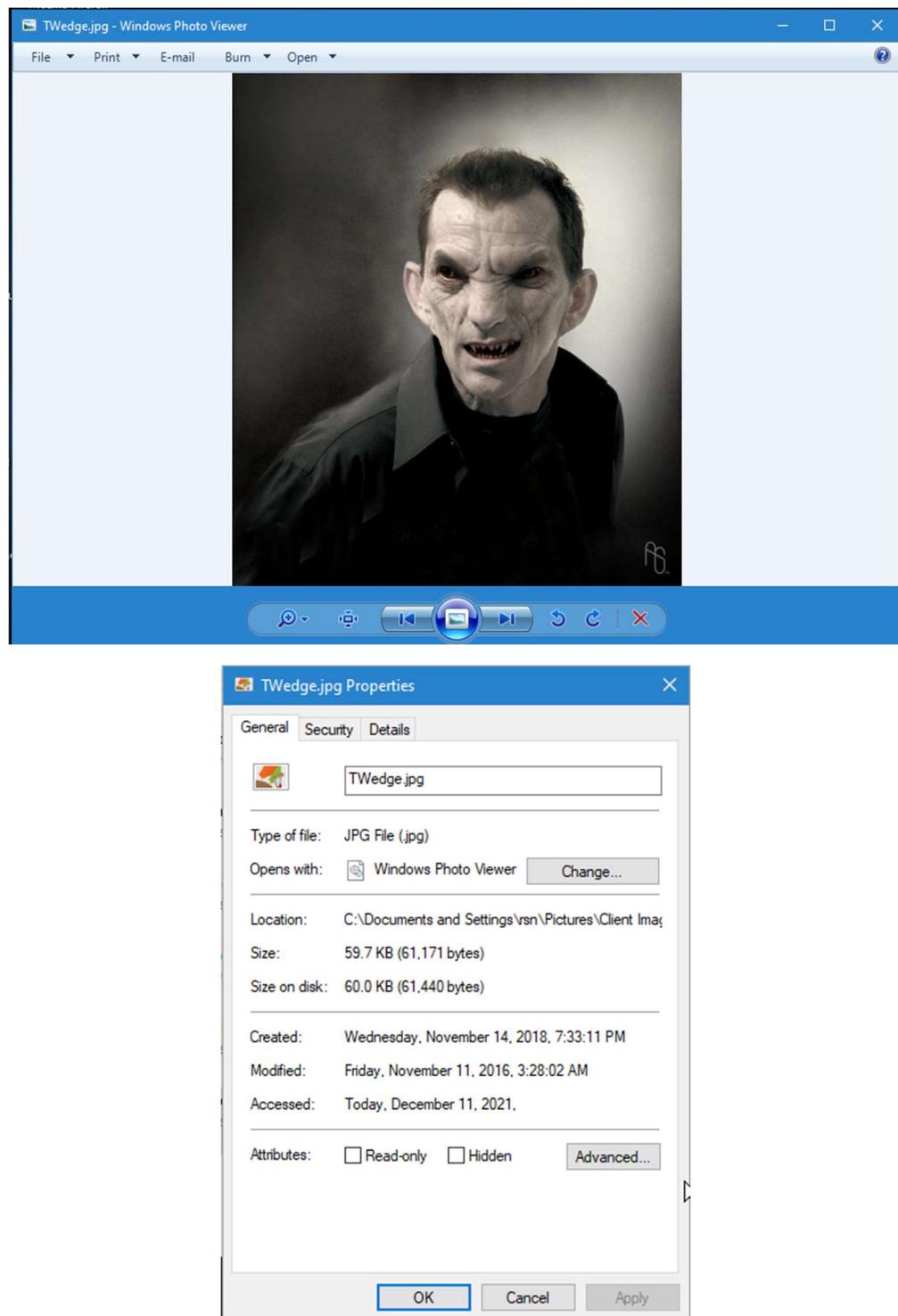
**3:23 AM: MJoiner.jpg**



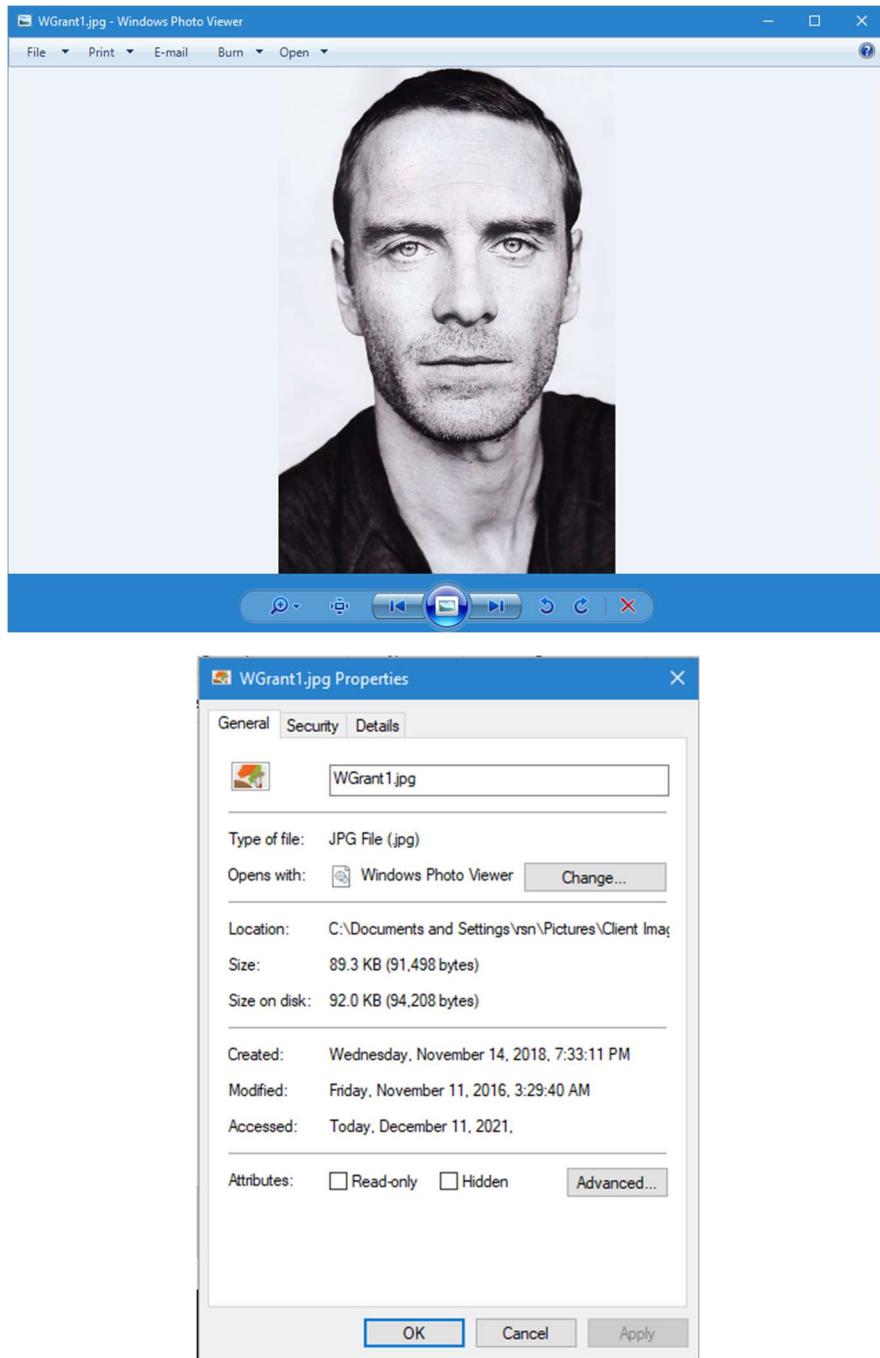
**3:25 AM: RSchmidt.jpg**



**3:28 AM: TWedge.jpg**

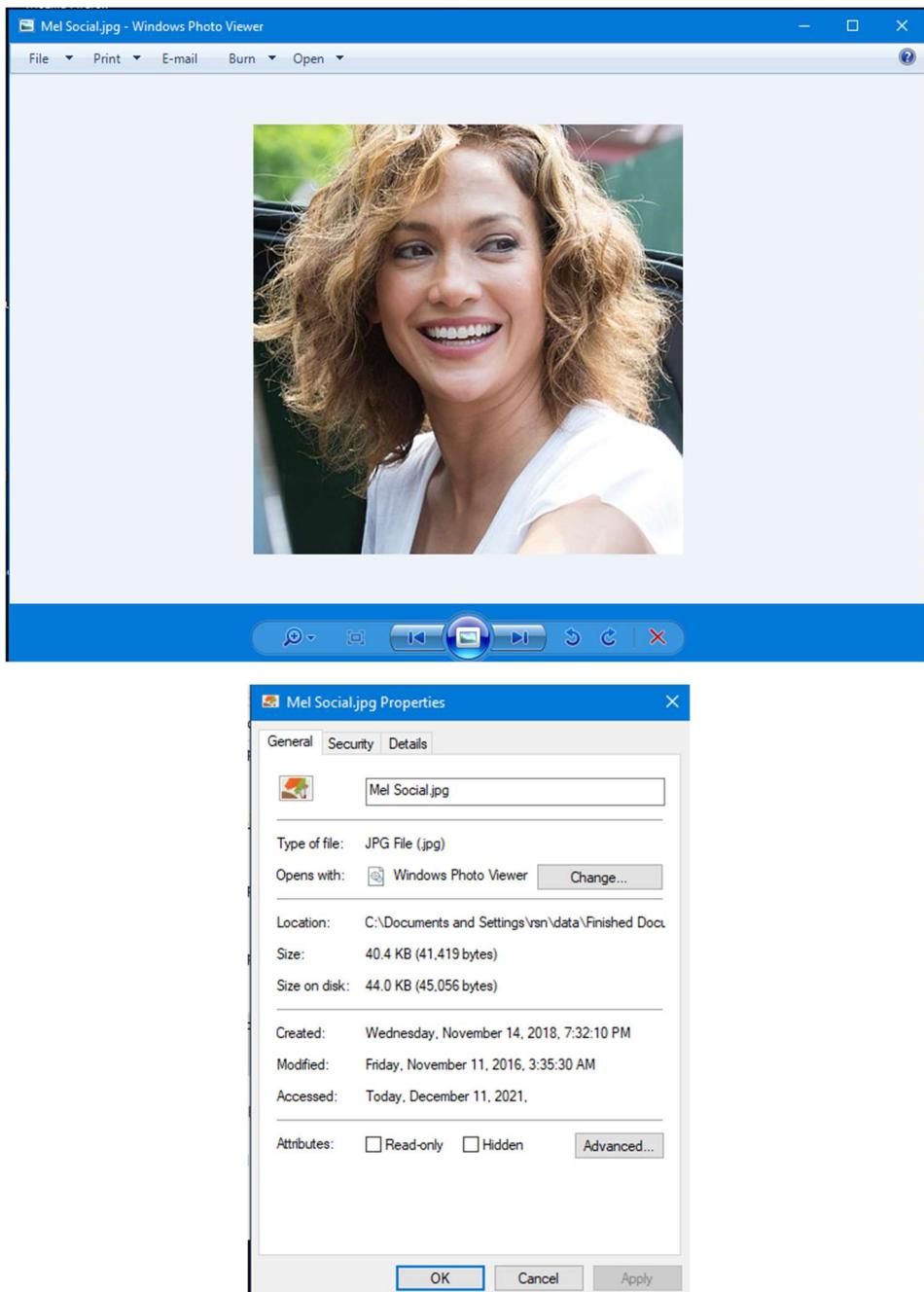


**3:29 AM: WGrant1.jpg**

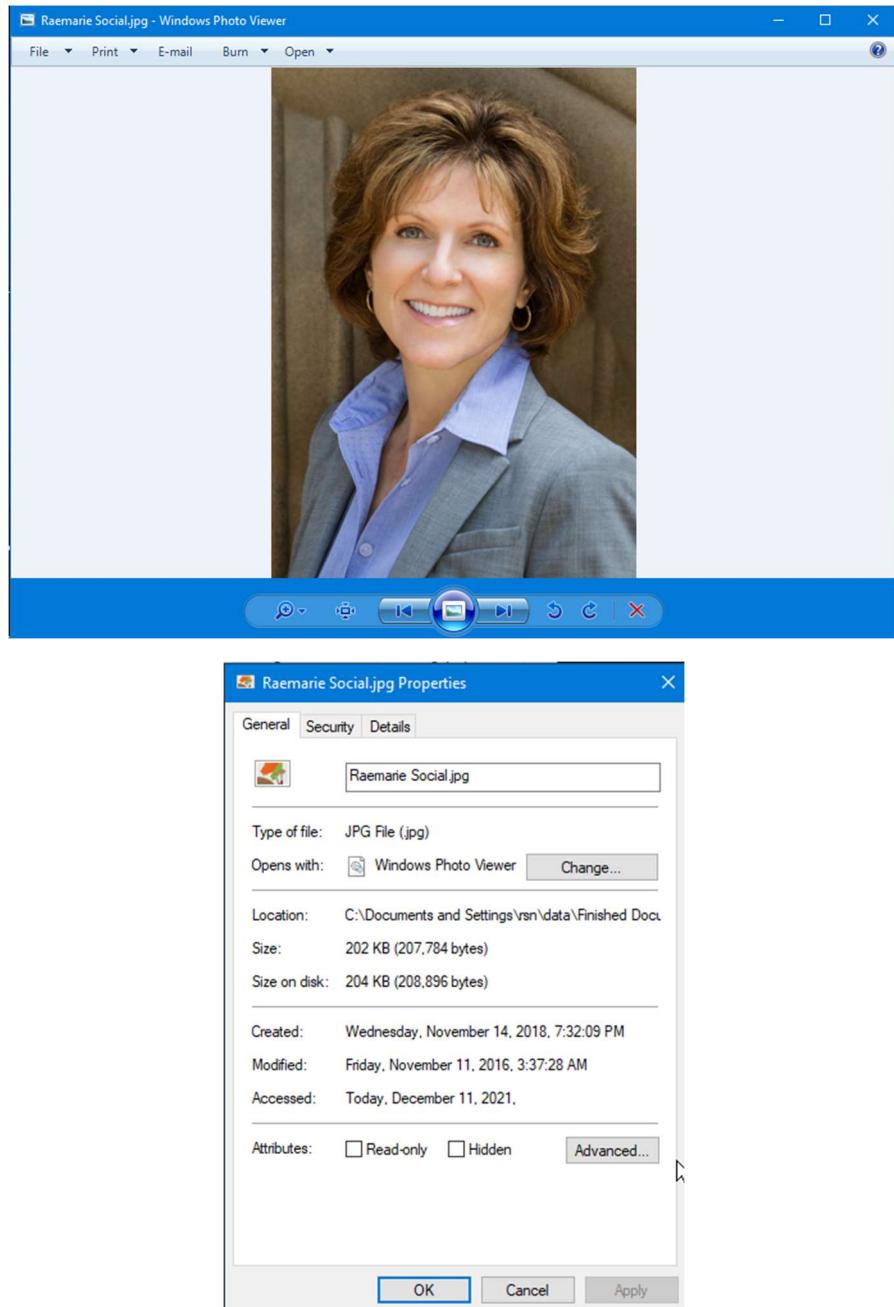


In directory *C:\Documents and Settings\rsn\data\Finished Documents*

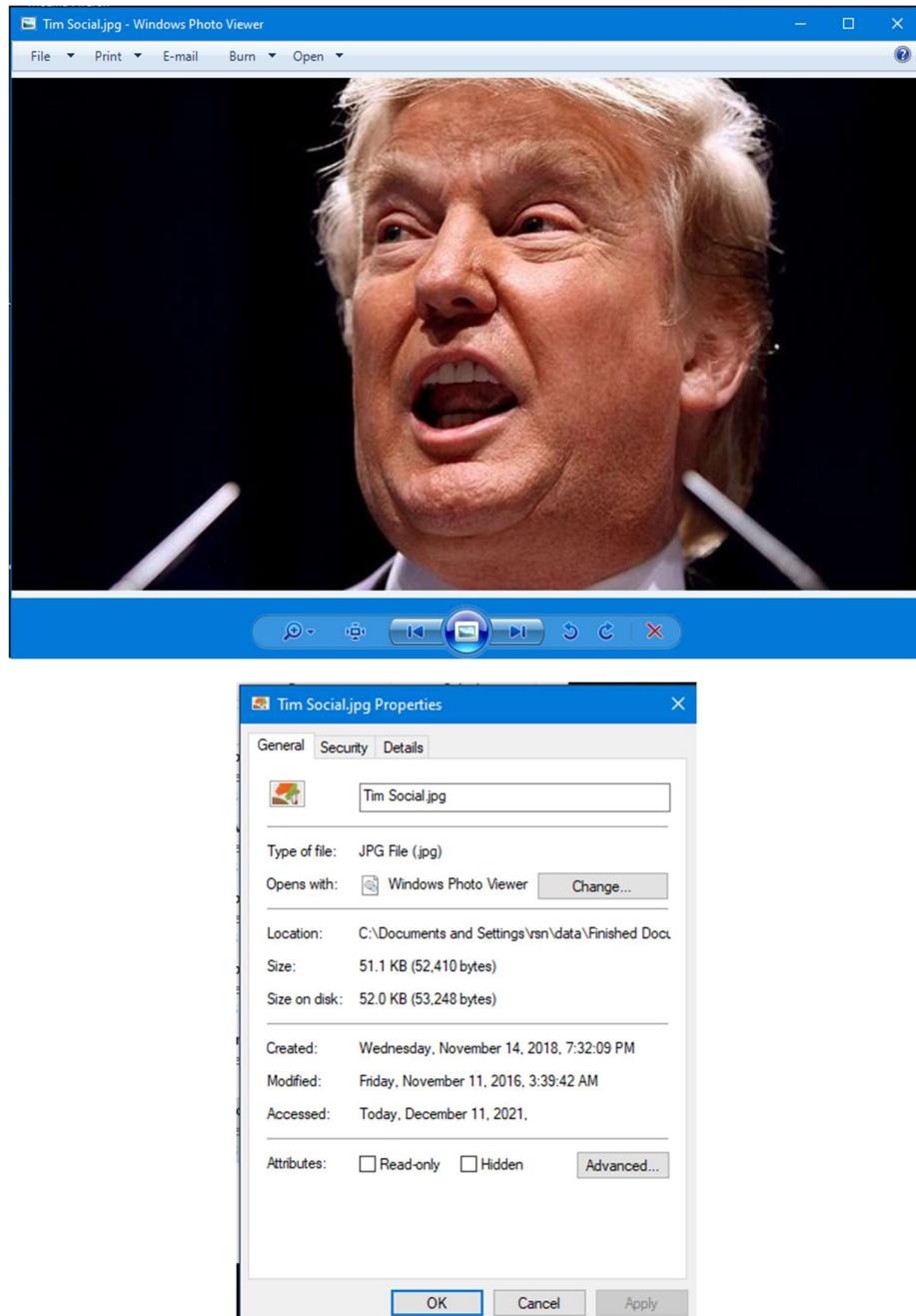
**3:35 AM:** *Mel Social.jpg*



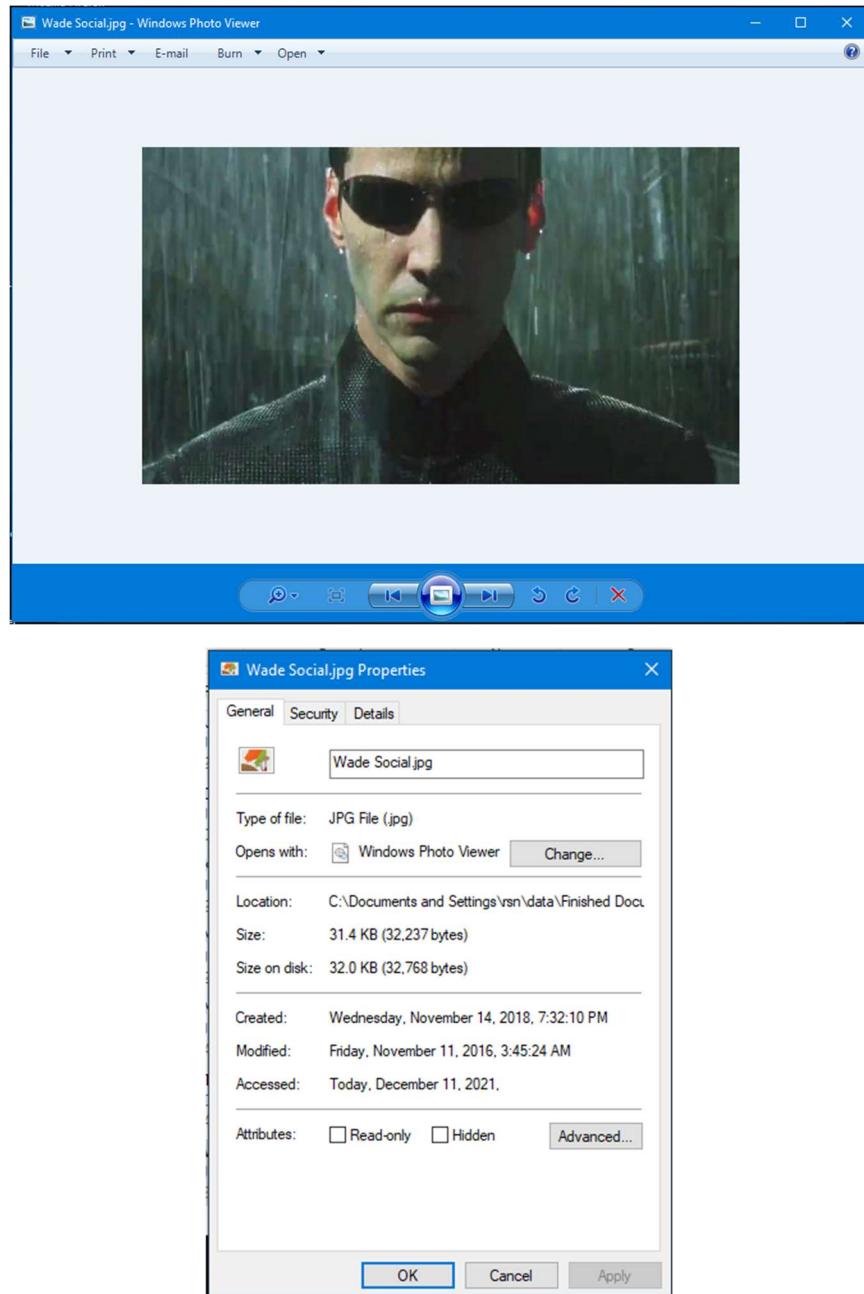
**3:37 AM:** Raemarie Social.jpg



**3:39 AM:** *Tim Social.jpg*



**3:45 AM:** Wade Social.jpg



## List of Documents

### **C:\Documents and Settings\rsn\Desktop\recycle**

- 1) Jake.txt
- 2) Jimbo.txt

### **C:\Documents and Settings\rsn\My Documents**

- 1) BBay.doc
- 2) Dumb money moves people make.doc
- 3) fmmom.doc
- 4) Letter to Joanie.doc
- 5) Loan.doc
- 6) Spas.doc
- 7) ToMom.doc
- 8) USAIRWAYS.doc

### **C:\Documents and Settings\rsn\My Documents\LOOT**

- 1) BIRTHD~1.DOC
- 2) CONTACT.DOC
- 3) EMP.XLS

### **C:\Documents and Settings\rsn\data\data3\Orders and Records**

- 1) complaint to hokey dokey.doc
- 2) Customer.xls
- 3) DESRONrequest.doc
- 4) IDs.doc
- 5) idsrus Warning Letter.doc
- 6) IDSRUS.HTM
- 7) Order.doc
- 8) responseto ids r us.doc

## List of Images

### **C:\Documents and Settings\Public\Public Documents\Client Images**

- 1) CGiglia1.jpg
- 2) DChatfieldFL.jpg
- 3) LJoiner.jpg
- 4) TWedg.jpg
- 5) WJones.jpg
- 6) WGrant.jpg

### **C:\Documents and Settings\rsn\Pictures\Client Images**

- 1) DChatfield.jpg
- 2) MJoiner.jpg
- 3) RSchmidt.jpg
- 4) TWedge.jpg
- 5) WGrant1.jpg

### **C:\Documents and Settings\rsn\Pictures\Client Images\CGiglia**

- 1) Slide1.jpg

### **C:\Documents and Settings\rsn\data\Finished Documents**

- 1) Ben – WV.jpg
- 2) Ben.jpg
- 3) Bill – WV.jpg
- 4) Bryan – WV.jpg
- 5) Chris – WV.jpg
- 6) Chris.jpg
- 7) Joan – WV.jpg
- 8) Keith – WV.jpg
- 9) Keith.jpg
- 10) Mark – WV.jpg
- 11) Mark.jpg
- 12) Mel Social.jpg
- 13) Raemarie Social.jpg
- 14) Tim Social.jpg
- 15) Wade Social.jpg

### **C:\Documents and Settings\rsn\data\Finished Documents\Stuff for Mikey**

- 1) Picture #2 of Glenda for fake drivers license.jpg
- 2) Pictures for Teri for fake drivers license.jpg

**C:\Documents and Settings\rsn\data\data3\Orders and Records\IDsrus\_files**

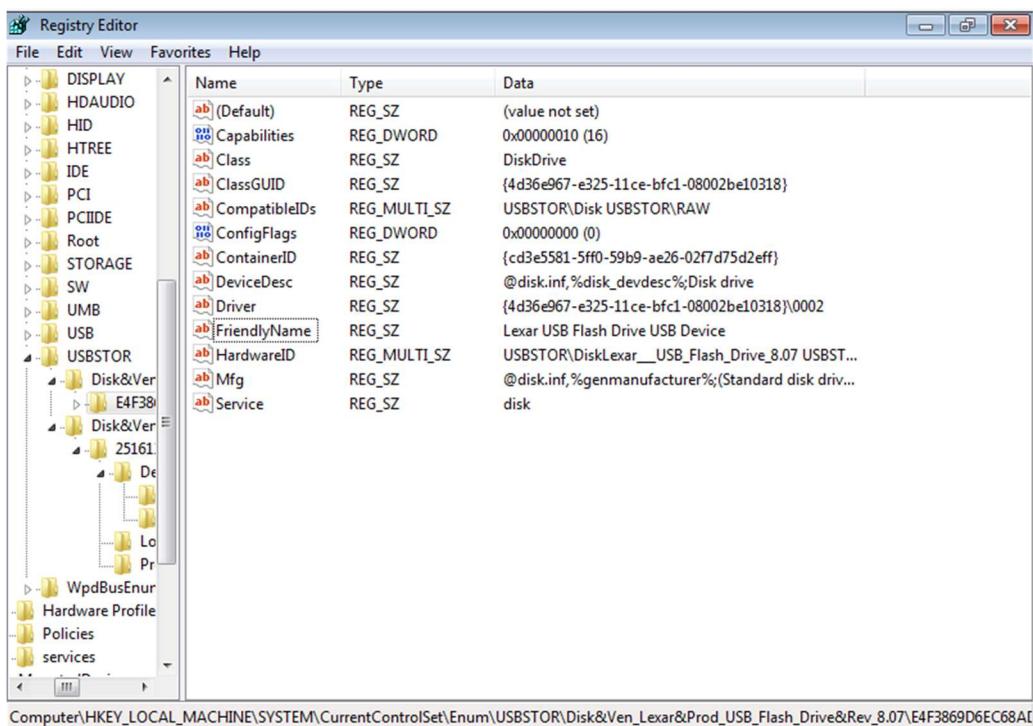
1) image003.png

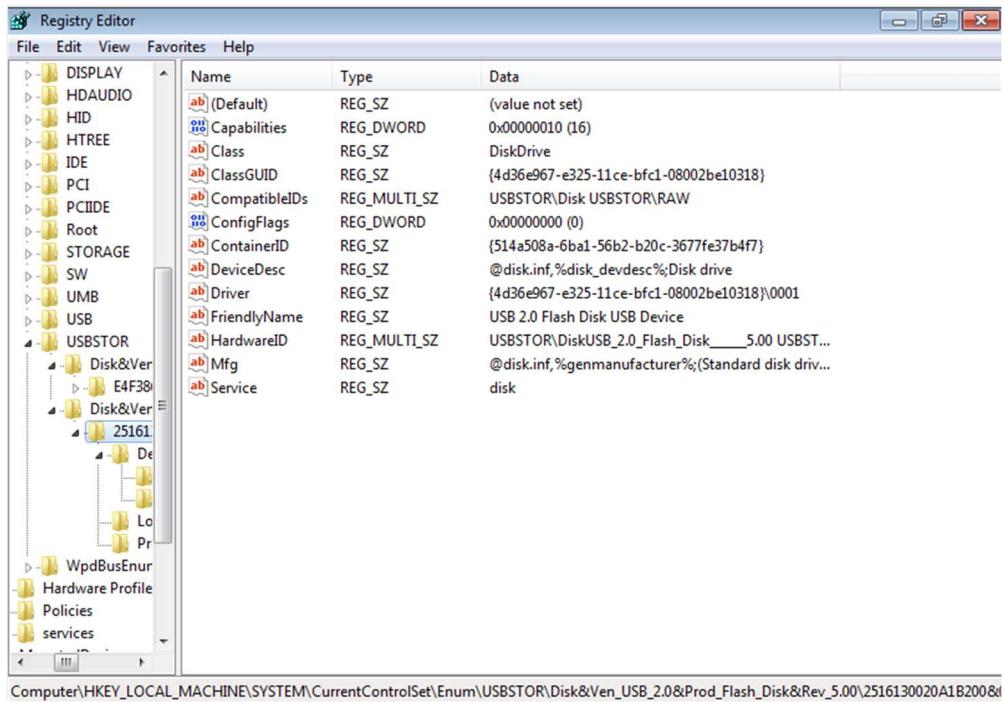
## List of Tools

Tool Name	Tool Source
VirtualBox	<a href="https://www.virtualbox.org/wiki/Downloads">https://www.virtualbox.org/wiki/Downloads</a>
Hiren's BootCD PE	<a href="https://www.hirensbootcd.org/download/">https://www.hirensbootcd.org/download/</a>

## Connected Flash Drives

The investigation found that there had been 2 flash drives connected to the machine. The first of these flash drives was a Lexar USB Flash Drive USB Device, as can be seen in the FriendlyName field of the first screenshot below. The second flash drive was a USB 2.0 Flash Disk USB Device, and its information can be seen the second screenshot below. This information was found by entering the Registry Editor and navigating to HKEY\_LOCAL\_MACHINE -> SYSTEM -> CurrentControlSet -> Enum -> USBSTOR. The screenshots with information about the 2 flash drives can be seen below.





NOTE: While most of the investigation was completed using Hiren's BootCD PE to access the file system, a different means of access was required to find the flash drives that were connected to the system. An exploit in the Window 7 crash recovery procedure allowed access to the Windows file system. This vulnerability was used to overwrite a file called "sethc" to instead call a new command prompt in place of its original function, which was related to sticky keys. Using this exploit, a new command prompt was brought up on the login menu by pressing shift 5 times, and this command prompt was used to change the password of the user "rsn" to log in to the machine without using Hiren's BootCD PE. With this new level of access gained, the flash drives appeared in the registry as expected.