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Expert Categories A - Z >

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GUS R. LESNEVICH, INC.

Full - Service Private
Forensic Document
Laboratory



Your search for the best Forensic Document Examiner (commonly referred to as a Handwriting Expert) must include three important criteria:

1. The ability to render an honest and correct opinion as to the authenticity of a document, signature, or writing.
2. Professionalism that comes from proper training, experience, and credentials.
3. The highest quality of the appropriate court graphic illustration necessary to support and demonstrate one's findings.

Gus Lesnevich and Khody Detwiler clearly meet all three criteria, having over 47 years of combined experience in examining evidence and rendering testimony as court-accepted experts throughout the United States. They have been retained as experts by major law firms and have worked cases in Europe, Asia, the Middle East, and South America. Both Federal and State Prosecutors have also retained them in numerous criminal and high profile matters.

Although specializing in the examination of signatures, writings, and documents, they have one of the most sophisticated private document laboratories in the United States, including the capabilities of performing all aspects of non-destructive forensic document examinations.

Khody R. Detwiler

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JUL 14 2011 18:10:22



JUL 14 2011 18:53:01



JUL 15 2011 10:04:55

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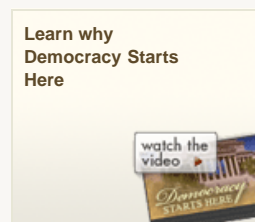
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Press Release January 26, 2010

National Archives Announces New Ban on Photography

Washington, DC...On January 25, 2010, the National Archives announced in the Federal Register that filming, photographing, and videotaping by the public will be prohibited in all exhibition areas in the National Archives Building, Washington, DC, beginning February 25, 2010. The primary impetus for the new regulation was concern that the Charters of Freedom (the Declaration, the Constitution and the Bill of Rights) and other original documents on display in the National Archives Experience were at risk from exposure to flash photography.

The announcement followed a lengthy period of internal analysis and discussion and a 60-day comment period in which the public was invited to offer input. In spite of a more than 30-year-old regulation explicitly stating that flash photography was prohibited, prominent signs stating the policy throughout the exhibition areas, and security guards reminding the public, Archives staff estimated that the documents were subjected to approximately 50,000 flashes a year. While enforcement of this policy has always been a National Archives priority, new cameras with automatic flash have made the policy almost impossible to enforce.

The original documents displayed in the National Archives Experience are fragile and subject to fading from light. The National Archives must balance its commitment to making these founding documents available to the public with its mandate to preserve and protect them for future generations. Years of research and testing by top scientists have resulted in state-of-the-art encasements to protect the Charters of Freedom. Environmental recommendations and guidelines that include careful temperature and humidity controls, light levels below three foot candles, and light filters to remove ultraviolet radiation are closely adhered to in order to provide additional protection for our nation's heritage.

After close examination of the policy and consultation with National Archives preservation experts, the Archives determined that barring photography in the exhibition areas would help protect our nation's heritage for future generations.

Visitors who want an image of the Charters of Freedom or other original documents on display in the National Archives Experience may download them at no cost from www.archives.gov, visit the Resource Room adjacent to the Exhibition Hall for a free color copy, or visit the Archives Shop.

For Press information, contact the National Archives Public Affairs staff at 202-357-5300.

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Products

- ▶ Refurbished LaserJets
- ▶ HP Maintenance Kits
- ▶ Lexmark Maintenance Kits
- ▶ Toner cartridges
- ▶ Transfer Kits
- ▶ Paper trays and cassettes
- ▶ Duplexers
- ▶ Envelope feeders
- ▶ JetDirect Cards
- ▶ Cables
- ▶ Common Parts

Tech Support

- ▶ Main Support Page
- ▶ Maintenance kit
- ▶ Instructions
- ▶ Manuals & Drivers
- ▶ Print Defects
- ▶ Repetitive defects Ruler
- ▶ Error Codes
- ▶ Service Mode
- ▶ Clear Maint Count
- ▶ Cold Reset Instr.

Tech Support Forum

- ▶ Discussion Board

Green Initiative

- ▶ Saves money, jobs, the environment.



Testimonials

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[Fuser cores wanted.](#)

Laser printer print defects

Here is a list of common print defects found in laser printers. It is not a complete list but should cover 90% or more of the most common image defects.

[Background scatter](#)

[Black lines - parrallel or perpendicular](#)

[Black pages](#)

[Blank page - all pages](#)

[Blank page - occasional](#)

[Blank spots](#)

[Bubble Print](#)

[Compressed Print](#)

[Contamination on back](#)

[Creases](#)

[Curl](#)

[Distorted image](#)

[Dropouts](#)

[Faded print/ bubbles](#)

[Fading print](#)

[Faulty Registration](#)

[Gray background](#)

[Horizontal black lines](#)

[Horizontal smudges](#)

[Horizontal white lines](#)

[Image Skew](#)

[Light print, dark print, or fade](#)

[Loose toner](#)

[Misshapen characters](#)

[Partial blank page](#)

[Repetitive Defects](#)

[Skew](#)

[Tire tracks](#)

[Toner smear](#)

[Toner specks](#)

[Vertical black lines](#)

[Vertical dots](#)

[Vertical white lines](#)

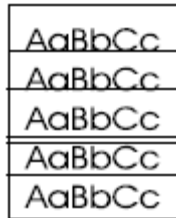
[White spots on black](#)

[White Stripes Parallel to Path](#)

Click the image for detailed information.



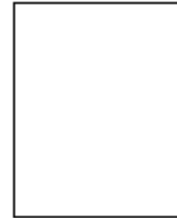
Background scatter



Black lines - parrallel or perpendicular



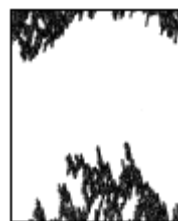
Black page



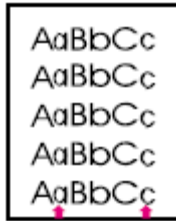
Blank page - [all](#) or [occasional](#) page



Blank spots



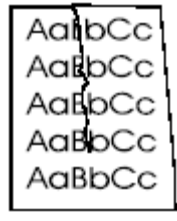
Bubble print



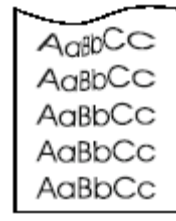
Compressed print



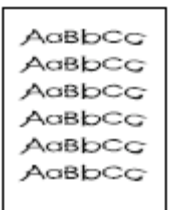
Contamination on back



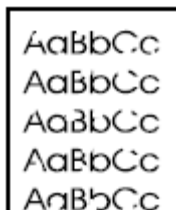
Creases



Curl



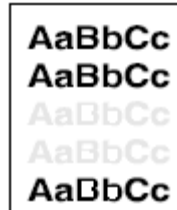
Distorted image



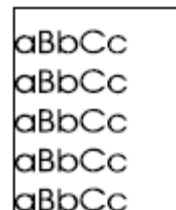
Dropouts



Faded print/ bubbles



Fading print



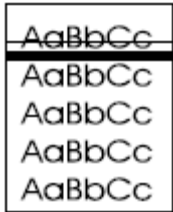
Faulty Registration



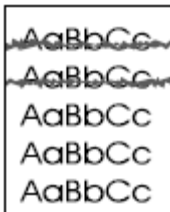
A+ Rating!



Gray background



Horizontal black lines



Horizontal smudges



Horizontal white lines

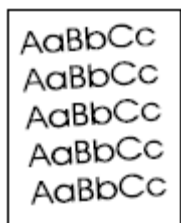
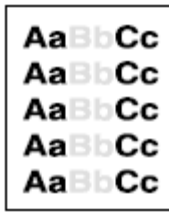
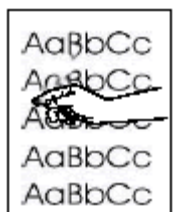


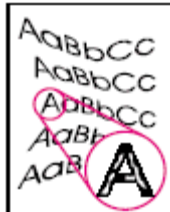
Image Skew



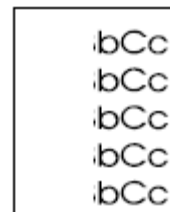
Light print, dark print, or fade



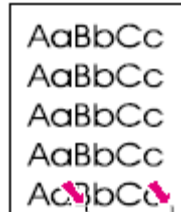
Loose toner



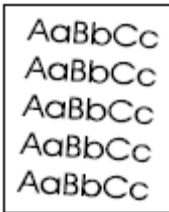
Misshapen characters



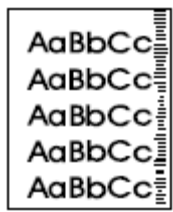
Partial blank page



Repetitive Defects



Skew



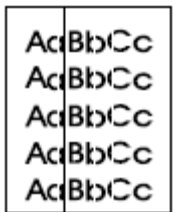
Tire tracks



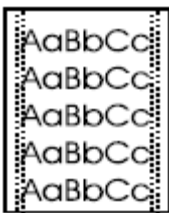
Toner smear



Toner specks



Vertical black lines



Vertical dots



Vertical white lines



White spots on black



White Stripes Parallel to Path

608-831-2396

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EXHIBIT 46

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IS/MIS

[Print Defects](#) | [Printer Error Problems](#)
[Network Problems/LAN Problems](#)

Print Defects

Banding

Banding appears as light and dark horizontal lines on a page that is supposed to be uniformly gray. It is due to variation in the speed of the paper as it moves from roll to roll during development or transfer. It is undetectable when printing text and is mostly noticeable on fine dot or horizontal line patterns. Inspect the gear train and the paper feed rollers for wear, damage, dirt or binds.

Background

Areas that are supposed to stay blank are getting small amounts of toner deposited on them. Clean the erase lamps and the printhead window. Rough paper can cause background on some papers. Change paper and run the print test again. Printing on coated paper can also cause background.

Users who run large jobs with very dense graphics in high humidity environments may get some print quality improvement from increasing the Transfer setting; users with more normal jobs will see no difference. Make sure the HVPS contacts to the transfer roll housing are in good condition.

Black Page

Black output is usually caused by an incorrect high voltage in the printing process, resulting in toner development on the entire photo-conductor drum. Check the condition of each HVPS contact and make sure they spring back when pressed. Check the continuity of the HVPS cable. Make sure the voltages are correct; if they are not, replace the engine board.

If no other trouble is found replace the HVPS.

Blank Paper

Inspect the printhead shutter for proper operation and make sure the actuator on the cartridge is present and extends into the printhead shroud when the printer top cover is closed. A failed printhead/laser will cause a Service error rather than blank output.

Check the continuity of the HPVS cable. The HPVS and transfer roll contacts should be clean and spring back when pressed. Make sure the transfer roll contact under the left bearing is making contact with the HVPS.

Blurred or Fuzzy Print

This can be caused by a damaged gear train or by paper slippage in the feed roll or transfer roll. Also see Banding.

Inspect the HVPS contacts; make sure each spring loaded contact returns when pressed and released. Inspect the transfer roll housing contacts for damage or contamination. Check the gear train for damage, binds, or wear.

Dead Machine

Possible causes: no voltage reaching the printer, LVPS failure, blown LVPS fuse, failure of the On/Off switch linkage, or a shorted electrical component.

Check for the indicated voltages at the LVPS connection to the engine board. If no voltages are present, check fuse and the poser switch before replacing the LVPS.

If some voltages are present but all are not correct, disconnect all cables except the LVPS from the engine board.

TESTIMONIALS

"We are one of the largest companies in Orange County and been using service from ALPS for nine years now. We have consistently received an excellent level of support from ALPS with service and supplies. ALPS has been a great partner and has met or exceeded our expectations for our office equipment needs. We highly recommend ALPS."

R. Thompson



Honeycomb

(Areas of the page are covered by faint 6 mm circles).

This print defect is usually caused by the print cartridge. If it is not the problem, verify that the tab on the transfer roll housing is touching the contact on the HVPS; the transfer roll housing should have continuity to ground. Make sure the HVPS ground lead to the side frame is in place and making good contact.

Horizontal Void or Streak

This is usually due to the cartridge not being installed correctly. Check the printhead/laser area for obstructions, and check the mechanical workings of the print cartridge and printhead shutter. If nothing is found, see "[Blank Page](#)" and follow those instructions.

Light Print

Light print is frequently caused by a worn out print cartridge. Clean the transfer roll by powering on and off two or three times, leaving the printer on for about two minutes each time. Other causes are the same as for "[Blank Page](#)".

Make sure Print Darkness on the customer/operator menu is set to Normal or Dark. Increasing the diagnostics mode Print Contrast setting will darken print further. On some HP printers lowering the number increases the density.

PostScript emulation output may appear lighter than PCL emulation output or a test print; this is not a defect. Verify on the Print Test that the print is too light before performing service.

Regularly Spaced Marks

This is caused by a defect on one of the rolls or gears in the print process. The damaged part can be determined by the spacing of the marks. Find and replace the damaged part.

Residual Image

Residual Image - the "walking" of a leftover image down the page - is probably the result of failed erase lamps not discharging the photoconductor, or of a failed cleaner inside the print cartridge. It can also be caused by a failed fuser hot roll retaining toner and redepositing on the page. Check that the erase lamp voltage at engine board is +24 VDC and that the cable has continuity.

To test the erase lamps, jumper engine board to ground.

Random Marks

Random marks are nearly always due to a mechanical problem or due to foreign matter loose in the printer or in the print cartridge.

Vertical Void or Streak

Do a developed image test to determine if the defect is occurring before or after the transfer process.

If you see the defect on the photoconductor beam path, check the operation of the printhead shutter/laser beam path and clean the window with a lint-free cloth folded over a cotton swab; do not use a bare swab and do not use any cleaning fluids or water on the printhead/laser window. Inspect the HVPS. Make sure the HVPS contacts are clean and spring back when pressed.

Printer Error Problems

Fuser Error

Check the connection and continuity of the cable from the fuser exit sensor board to engine board. check the thermistor condition and connection.

Check the thermistor resistance at engine board. It should be from 100k Ohms when cold; it may be as low as 2.3k Ohms when hot, but increase quickly as the fuser cools.

Network/LAN Problems

LAN Problems

You cannot find a printer or network problem, but jobs still do not print.

If the network card checks out successfully, the problem may be with the hardware or software outside of the network card. Below are

some suggestions to the customer for checking hardware and software for possible problems. Refer the customer to the LaserPrinter Network Printer Utility Guide to find the problem.

- Make sure the network protocol you want is enabled from the printer operator panel.
- Verify proper print queue and printer driver configuration.
- Verify the adapter port has been associated.
- Verify correct installation of the software utility.
- Single route broadcast not supported across network bridge, if bridge is used.
- Server problem: check print server installation and configuration using the appropriate system guide to operations.

Network Card 977 Errors

All network card errors are recorded in the error log. If there are errors in the log, POR several times and take the appropriate action for the displayed error code.

For Service Call 800-LASER50

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Print-Quality Problems

This topic includes:

- "Diagnosing Print-Quality Problems" on page 4-24
- "Repeating Defects" on page 4-29

Your printer is designed to produce consistently high-quality prints. If you observe print-quality problems, use the information on these pages to troubleshoot them.

For detailed, online support information, go to www.xerox.com/office/infoSMART.

Caution

If you change the type of paper in a tray, you **must** change the paper type and size on the front panel to match the paper that you loaded. **If you fail to do this, print-quality problems can occur and the fuser can be damaged.**


Diagnosing Print-Quality Problems

Caution

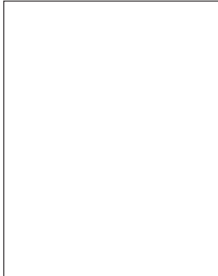
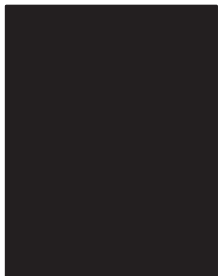
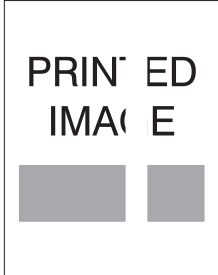
Damage caused by using unsupported paper, transparencies, and other specialty media is not covered by the Xerox warranty, service agreement, or Total Satisfaction Guarantee. The Total Satisfaction Guarantee is available in the United States and Canada. Coverage may vary outside these areas; please contact your local representative for details.

Use the following table to find specific solutions to print-quality problems.

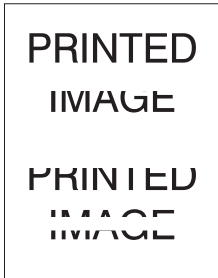
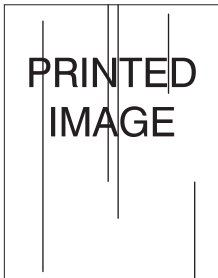
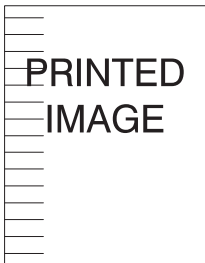
Diagnosing Print-Quality Problems

Problem	Causes	Solutions
Light Prints The overall image is lighter than normal.	<ol style="list-style-type: none"> 1. The paper may be damp. 2. You may be using Draft mode. 3. The toner level may be low. 	<ol style="list-style-type: none"> 1. Replace the paper. 2. Turn off Draft mode. 3. If the print cartridge is low on toner, replace it.
		

Diagnosing Print-Quality Problems (Continued)

Problem	Causes	Solutions
Blank Prints The entire printed page is blank with no visible print. 	<ol style="list-style-type: none"> 1. If you just installed a new print cartridge, the yellow sealing tape may still be in place. 2. Multiple sheets may have been fed from the paper tray at the same time. 3. Printable data may not have been received from the computer. 	<ol style="list-style-type: none"> 1. Remove the tape. 2. Remove the paper from the paper tray and fan it. Also, ensure that the paper is correctly loaded in the tray. 3. To test this, print a Configuration Page. If the Configuration Page is normal, check the interface cable between the computer and printer, the printer setup, and application software. If the Configuration Page is blank, replace the print cartridge and reprint the Configuration Page. If the Configuration Page still is blank, contact your Customer Support Center.
Black Prints The entire printed page is black. 	<ol style="list-style-type: none"> 1. The print cartridge may be defective. 2. Printable data from the computer may be corrupted. 	<ol style="list-style-type: none"> 1. Replace the print cartridge. 2. To test this, print a Configuration Page. If the Configuration Page is normal, check the interface cable between the computer and the printer, and the application software. If the connections appear normal, contact your Customer Support Center.
Vertical Line Deletions There are localized print deletions forming narrow lines. 	<ol style="list-style-type: none"> 1. The print cartridge may not be installed correctly. 2. The print cartridge may be defective or at the end of its life. 3. The transfer roller may be defective. 	<ol style="list-style-type: none"> 1. Remove and re-install the print cartridge. 2. Replace the print cartridge. 3. Replace the transfer roller (in the maintenance kit).



Diagnosing Print-Quality Problems (Continued)

Problem	Causes	Solutions
Horizontal Line Deletions There are localized print deletions appearing as bands running across the paper.	<ol style="list-style-type: none"> 1. The paper may be defective with creases, folds, etc. 2. The print cartridge may be defective or at the end of its life. 3. The transfer roller may be defective. 	<ol style="list-style-type: none"> 1. Replace the paper. 2. Replace the print cartridge. 3. Replace the transfer roller (in the maintenance kit).
		
Vertical Dark Streaks There are black lines running across the print.	<ol style="list-style-type: none"> 1. The print cartridge may be defective or at the end of its life. 2. The paper path may be contaminated with toner. 3. The fuser may be defective. 	<ol style="list-style-type: none"> 1. Replace the print cartridge. 2. Print several blank sheets of paper to remove the toner accumulations. 3. Replace the fuser (in the maintenance kit).
		
Repetitive Horizontal Dark Streaks There are black lines running across the page. For more information, see "Repeating Defects" on page 4-29.	<ol style="list-style-type: none"> 1. The paper path may be contaminated with toner. 2. The print cartridge may be defective or at the end of its life. 3. The fuser may be defective. 4. The transfer roller may be defective. 	<ol style="list-style-type: none"> 1. Print several blank sheets of paper to remove the toner accumulations. 2. Replace the print cartridge. 3. Replace the fuser (in the maintenance kit). 4. Replace the transfer roller (in the maintenance kit).
		

Diagnosing Print-Quality Problems (Continued)

Problem	Causes	Solutions
Dark Spots or Marks There are dark spots or marks on the page in a random pattern. <div data-bbox="342 472 558 747" data-label="Image"> </div>	<ol style="list-style-type: none"> 1. The paper path may be contaminated with toner. 2. The print cartridge may be defective. 3. The fuser may be defective. 4. The transfer roller may be defective. 	<ol style="list-style-type: none"> 1. Print several blank sheets of paper to remove the toner accumulations. 2. Replace the print cartridge. 3. Replace the fuser (in the maintenance kit). 4. Replace the transfer roller (in the maintenance kit).
Unfused or Partially Fused Image The printed image is not fully fused to the paper and easily rubs off. <div data-bbox="315 991 586 1241" data-label="Image"> </div>	<ol style="list-style-type: none"> 1. The paper may be damp. 2. Heavy or unusual paper may be in the tray. 3. The printer may be located in an environment with extreme temperature or humidity. 4. The fuser may be defective. 	<ol style="list-style-type: none"> 1. Replace the paper. 2. Replace that paper with approved paper. Make sure that the fuser temperature is set correctly for the paper type. 3. Make sure that the printer is located in an environment with the temperature between 5° and 35° C (41° and 95° F) and the relative humidity between 15% and 85%. Move the printer to a suitable area, away from air conditioning vents, open loading docks, etc. 4. Replace the fuser (in the maintenance kit).
Wrinkled Prints The prints are wrinkled, creased, or torn. <div data-bbox="355 1440 544 1680" data-label="Image"> </div>	<ol style="list-style-type: none"> 1. The paper is not loaded correctly in the appropriate tray. 2. The paper may be in poor condition. 3. The paper may be damp. 4. The fuser may be at the end of its life. 	<ol style="list-style-type: none"> 1. Verify that the paper is correctly loaded in the appropriate tray. 2. Replace the paper. 3. Replace the paper. 4. Replace the fuser (contained in the maintenance kit).

Diagnosing Print-Quality Problems (Continued)

Problem	Causes	Solutions
Blurred Prints The image is blurred at the edges.	<ol style="list-style-type: none"> 1. The paper may be in poor condition. 2. The paper may be damp. 3. The print cartridge may be defective. 	<ol style="list-style-type: none"> 1. Replace the paper. 2. Replace the paper. 3. Replace the print cartridge.
		
Random or Spot Deletions Areas of the print are extremely light or missing.	<ol style="list-style-type: none"> 1. The paper may be in poor condition. 2. The paper may be damp. 3. The print cartridge may be defective or at the end of its life. 	<ol style="list-style-type: none"> 1. Replace the paper. 2. Replace the paper. 3. Replace the print cartridge.
		

Repeating Defects

Refer to the table below if you observe a repeating defect, appearing multiple times at regular intervals on the page, on your print jobs.

Recurring Marks, Spots, Lines, or Voids

Replace this Supply...	if the defect occurs every:
Print Cartridge	38 mm (1.5 in.)
	52 mm (2.0 in.)
	94.4 mm (3.72 in.)
Transfer Roller	51 mm (2.0 in.)
Fuser	94.2 mm (3.7 in.)

Different supplies may create print defects with similar measurements. To identify the faulty supply:

1. Replace the print cartridge (do not discard the packaging).
2. If the problem continues, then remove and repackage the new print cartridge.
3. Reinstall the original print cartridge, then replace the maintenance kit (fuser and transfer roller).
4. If the problem continues, contact your Customer Support Center.

EXHIBIT 48

EXHIBIT 48

EXHIBIT 48

Third Printing

EVIDENTIAL DOCUMENTS

By

JAMES V. P. CONWAY

Examiner of Questioned Documents

San Francisco, California

Postal Inspector

in charge

San Francisco Identification Laboratory

U. S. Postal Inspection Service



CHARI

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B L I S H E R

SIMULATED SIGNATURES

Simulated signatures are freehand drawings in imitation of a model signature. There are two basic classes of simulations. The more common involves the use of an actual model document. This model is placed in proximity to the document to be forged, and the forger copies with pen or pencil his conception of the form of the genuine signature model, in the manner of the artist sketching from a live model.

A studied simulation from a master model signature usually embodies a slow drawing movement, unnatural starts and stops, a lack of rhythm, and uncertainty of letter conformations. Touch-up strokes and patchings are common also because the forger by simulation, like the artist, is his own severest critic. He is rarely content with his efforts without adding a few "improving" and "correcting" touches.

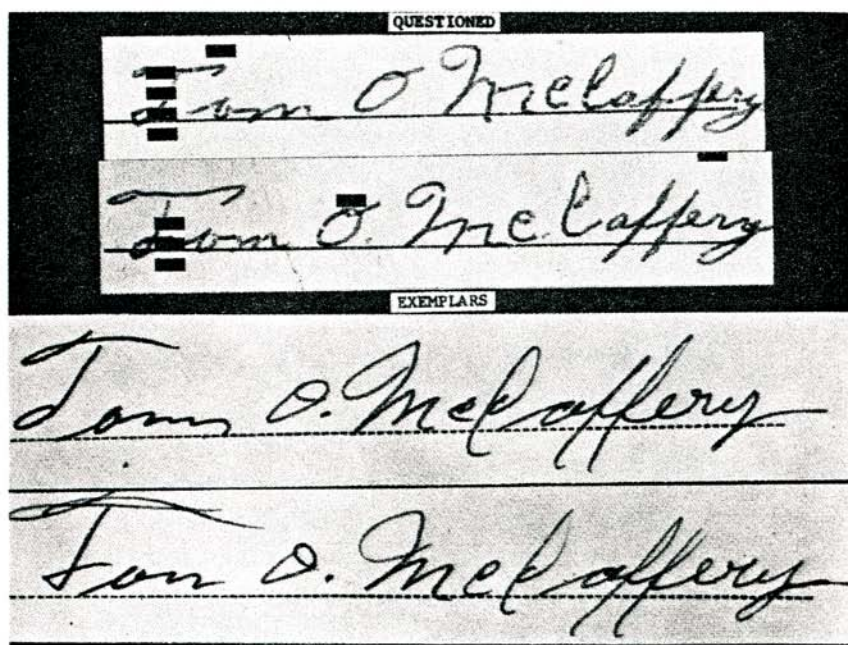


Figure 8. Upper signatures are simulated forgeries of lower authentic signatures. Compare uncertainty of forgeries with naturalness of genuine signatures, despite lack of writing skill in latter.

EXHIBIT 49

EXHIBIT 49

EXHIBIT 49

History for Buffalo, NY

Thursday, July 14, 2011

Thursday, July 14, 2011

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July

14 2011

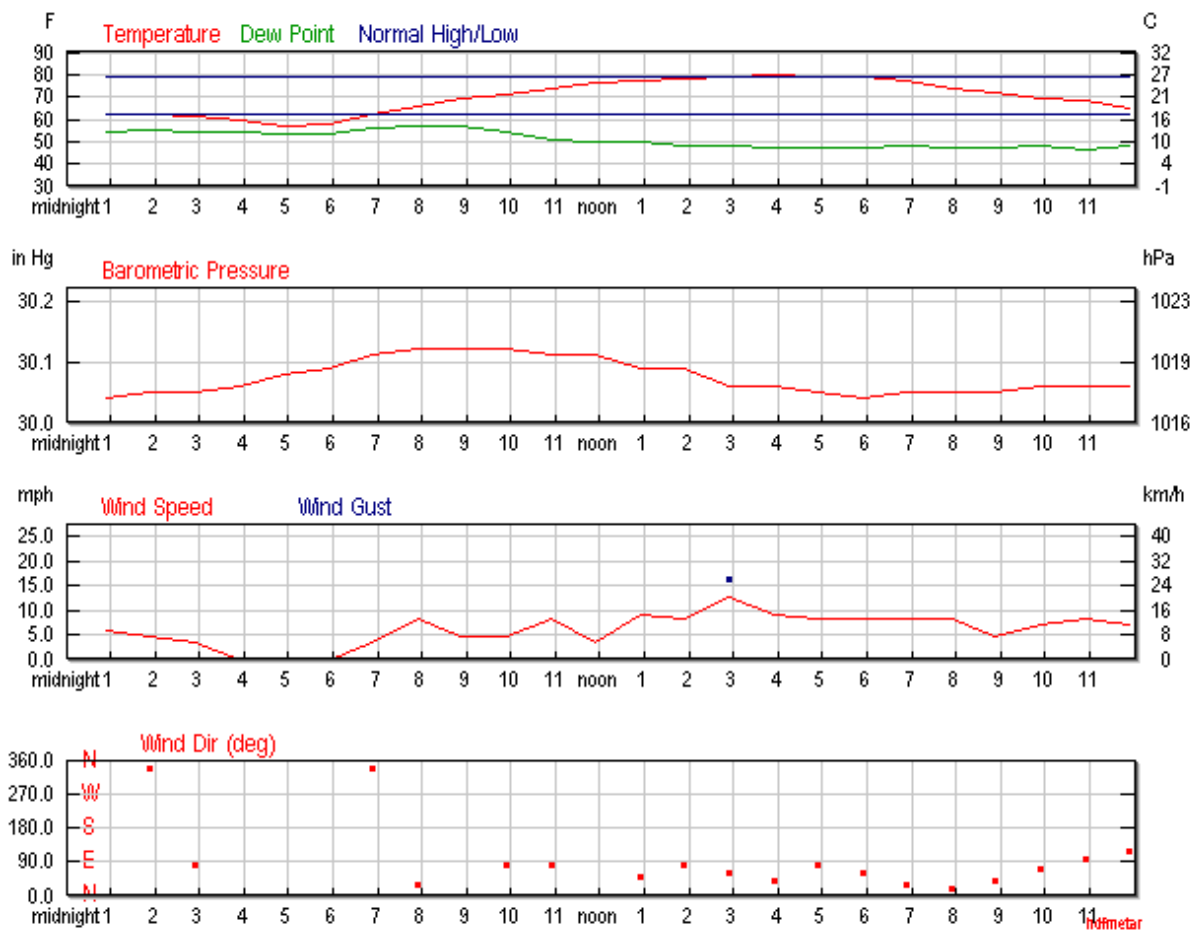
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	Actual	Average	Record
Temperature			
Mean Temperature	69 °F	71 °F	
Max Temperature	81 °F	80 °F	92 °F (2005)
Min Temperature	57 °F	63 °F	50 °F (1884)
Degree Days			
Heating Degree Days	0	0	
Month to date heating degree days	0	8	
Since 1 June heating degree days	36	73	
Since 1 July heating degree days	0	8	
Cooling Degree Days	4	7	
Month to date cooling degree days	106	85	
Year to date cooling degree days	252	218	
Since 1 June cooling degree days	203	186	
Growing Degree Days	19 (Base 50)		
Moisture			
Dew Point	52 °F		
Average Humidity	60		
Maximum Humidity	86		
Minimum Humidity	33		
Precipitation			
Precipitation	0.00 in	0.10 in	1.39 in (1945)
Month to date precipitation	1.03	1.44	
Year to date precipitation	27.93	20.22	
Snow			
Snow	0.00 in	0.00 in	0.00 in ()
Month to date snowfall	0.0	0.0	
Since 1 June snowfall	0.0	0.0	
Since 1 July snowfall	0.0	0.0	
Snow Depth	0.00 in		
Sea Level Pressure			
Sea Level Pressure	30.07 in		
Wind			
Wind Speed	6 mph (NE)		
Max Wind Speed	14 mph		

	Actual	Average	Record
Max Gust Speed	18 mph		
Visibility	10 miles		
Events			

T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summary



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Hourly Observations

Time (EDT)	Temp.	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events
12:54 AM	63.0 °F	55.0 °F	75%	30.04 in	10.0 mi	North	5.8 mph	-	N/A	
1:54 AM	63.0 °F	55.9 °F	78%	30.05 in	10.0 mi	NNW	4.6 mph	-	N/A	
2:54 AM	62.1 °F	55.0 °F	78%	30.05 in	10.0 mi	East	3.5 mph	-	N/A	
3:54 AM	60.1 °F	55.0 °F	83%	30.06 in	10.0 mi	Calm	Calm	-	N/A	
4:54 AM	57.9 °F	54.0 °F	87%	30.08 in	10.0 mi	Calm	Calm	-	N/A	
5:54 AM	59.0 °F	54.0 °F	83%	30.09 in	10.0 mi	Calm	Calm	-	N/A	

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Time (EDT)	Temp.	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events
6:54 AM	63.0 °F	57.0 °F	81%	30.11 in	10.0 mi	NNW	3.5 mph	-	N/A	
7:54 AM	66.9 °F	57.9 °F	73%	30.12 in	10.0 mi	NNE	8.1 mph	-	N/A	
8:54 AM	70.0 °F	57.9 °F	65%	30.12 in	10.0 mi	Variable	4.6 mph	-	N/A	
9:54 AM	72.0 °F	55.0 °F	55%	30.12 in	10.0 mi	East	4.6 mph	-	N/A	
10:54 AM	75.0 °F	52.0 °F	44%	30.11 in	10.0 mi	East	8.1 mph	-	N/A	
11:54 AM	77.0 °F	51.1 °F	40%	30.11 in	10.0 mi	Variable	3.5 mph	-	N/A	
12:54 PM	78.1 °F	51.1 °F	39%	30.09 in	10.0 mi	NE	9.2 mph	-	N/A	
1:54 PM	79.0 °F	48.9 °F	35%	30.09 in	10.0 mi	East	8.1 mph	17.3 mph	N/A	
2:54 PM	80.1 °F	48.9 °F	34%	30.06 in	10.0 mi	ENE	12.7 mph	16.1 mph	N/A	
3:54 PM	81.0 °F	48.0 °F	31%	30.06 in	10.0 mi	NE	9.2 mph	-	N/A	
4:54 PM	80.1 °F	48.0 °F	32%	30.05 in	10.0 mi	East	8.1 mph	-	N/A	
5:54 PM	80.1 °F	48.0 °F	32%	30.04 in	10.0 mi	ENE	8.1 mph	-	N/A	
6:54 PM	78.1 °F	48.9 °F	36%	30.05 in	10.0 mi	NNE	8.1 mph	-	N/A	
7:54 PM	75.0 °F	48.0 °F	38%	30.05 in	10.0 mi	NNE	8.1 mph	-	N/A	
8:54 PM	73.0 °F	48.0 °F	41%	30.05 in	10.0 mi	NE	4.6 mph	-	N/A	
9:54 PM	70.0 °F	48.9 °F	47%	30.06 in	10.0 mi	ENE	6.9 mph	-	N/A	
10:54 PM	69.1 °F	46.9 °F	45%	30.06 in	10.0 mi	East	8.1 mph	-	N/A	
11:54 PM	66.0 °F	48.9 °F	54%	30.06 in	10.0 mi	ESE	6.9 mph	-	N/A	

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History for Buffalo, NY

Friday, July 15, 2011

Friday, July 15, 2011

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July

15 2011

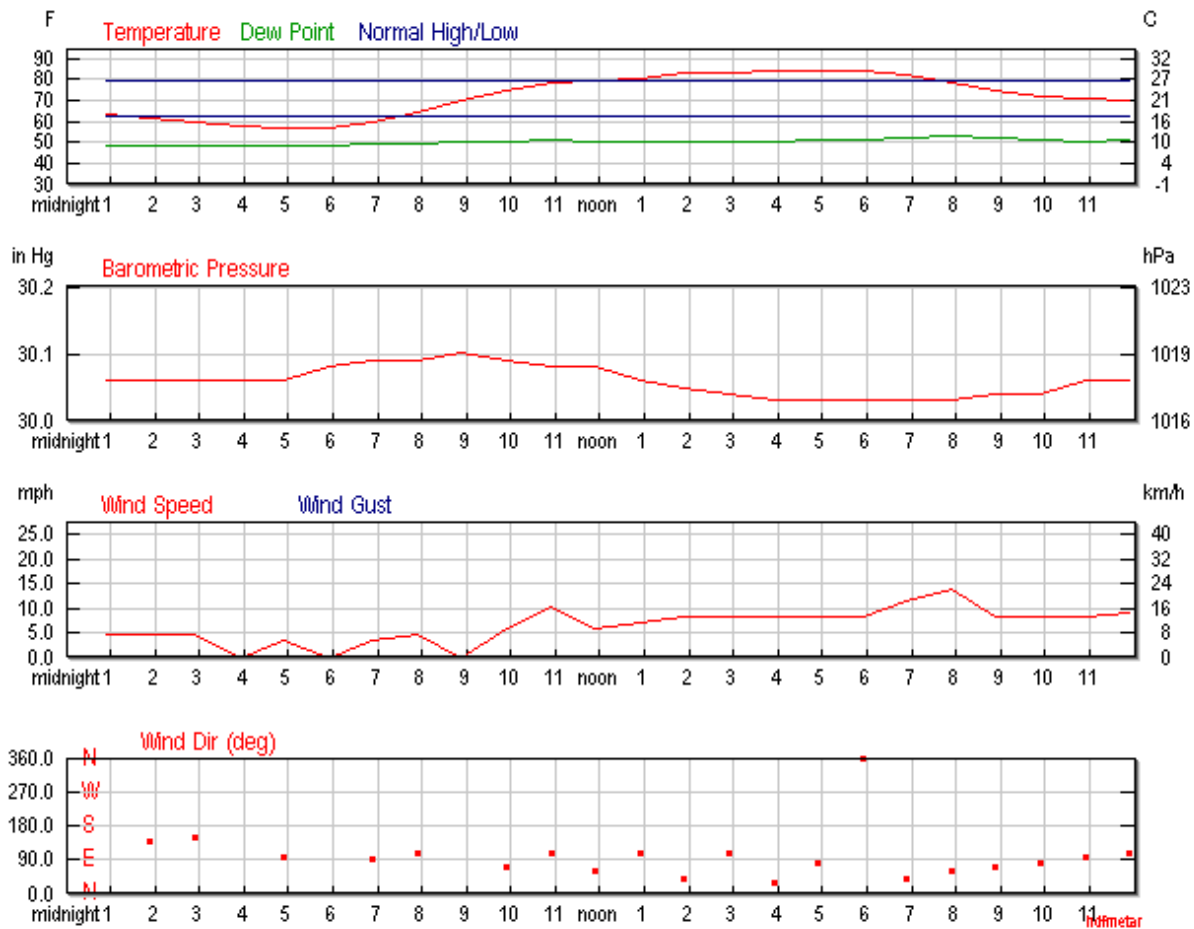
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	Actual	Average	Record
Temperature			
Mean Temperature	72 °F	71 °F	
Max Temperature	86 °F	80 °F	97 °F (1995)
Min Temperature	58 °F	63 °F	49 °F (1960)
Degree Days			
Heating Degree Days	0	0	
Month to date heating degree days	0	8	
Since 1 June heating degree days	36	73	
Since 1 July heating degree days	0	8	
Cooling Degree Days	7	7	
Month to date cooling degree days	113	92	
Year to date cooling degree days	259	225	
Since 1 June cooling degree days	210	193	
Growing Degree Days	20 (Base 50)		
Moisture			
Dew Point	51 °F		
Average Humidity	52		
Maximum Humidity	72		
Minimum Humidity	32		
Precipitation			
Precipitation	0.00 in	0.10 in	1.29 in (1992)
Month to date precipitation	1.03	1.54	
Year to date precipitation	27.93	20.32	
Snow			
Snow	0.00 in	0.00 in	0.00 in ()
Month to date snowfall	0.0	0.0	
Since 1 June snowfall	0.0	0.0	
Since 1 July snowfall	0.0	0.0	
Snow Depth	0.00 in		
Sea Level Pressure			
Sea Level Pressure	30.06 in		
Wind			
Wind Speed	6 mph (East)		
Max Wind Speed	17 mph		

	Actual	Average	Record
Max Gust Speed	20 mph		
Visibility	10 miles		
Events			

T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summary

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Hourly Observations

Time (EDT)	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Pr
12:54 AM	64.0 °F	-	48.9 °F	58%	30.06 in	10.0 mi	ESE	4.6 mph	-	N/
1:54 AM	62.1 °F	-	48.9 °F	62%	30.06 in	10.0 mi	SE	4.6 mph	-	N/
2:54 AM	61.0 °F	-	48.9 °F	64%	30.06 in	10.0 mi	SSE	4.6 mph	-	N/
3:54 AM	59.0 °F	-	48.9 °F	69%	30.06 in	10.0 mi	Calm	Calm	-	N/

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Time (EDT)	Temp.	Heat Index	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Pr
4:54 AM	57.9 °F	-	48.9 °F	72%	30.06 in	10.0 mi	East	3.5 mph	-	N/
5:54 AM	57.9 °F	-	48.9 °F	72%	30.08 in	10.0 mi	Calm	Calm	-	N/
6:54 AM	60.1 °F	-	50.0 °F	69%	30.09 in	10.0 mi	East	3.5 mph	-	N/
7:54 AM	64.9 °F	-	50.0 °F	58%	30.09 in	10.0 mi	ESE	4.6 mph	-	N/
8:54 AM	71.1 °F	-	51.1 °F	49%	30.10 in	10.0 mi	Calm	Calm	-	N/
9:54 AM	75.9 °F	-	51.1 °F	42%	30.09 in	10.0 mi	ENE	5.8 mph	-	N/
10:54 AM	79.0 °F	-	52.0 °F	39%	30.08 in	10.0 mi	ESE	10.4 mph	-	N/
11:54 AM	80.1 °F	-	51.1 °F	36%	30.08 in	10.0 mi	ENE	5.8 mph	-	N/
12:54 PM	81.0 °F	-	51.1 °F	35%	30.06 in	10.0 mi	ESE	6.9 mph	-	N/
1:54 PM	84.0 °F	-	51.1 °F	32%	30.05 in	10.0 mi	NE	8.1 mph	-	N/
2:54 PM	84.0 °F	-	51.1 °F	32%	30.04 in	10.0 mi	ESE	8.1 mph	-	N/
3:54 PM	84.9 °F	-	51.1 °F	31%	30.03 in	10.0 mi	NNE	8.1 mph	-	N/
4:54 PM	84.9 °F	-	52.0 °F	32%	30.03 in	10.0 mi	East	8.1 mph	-	N/
5:54 PM	84.9 °F	-	52.0 °F	32%	30.03 in	10.0 mi	North	8.1 mph	-	N/
6:54 PM	82.9 °F	81.8 °F	53.1 °F	36%	30.03 in	10.0 mi	NE	11.5 mph	-	N/
7:54 PM	79.0 °F	-	54.0 °F	42%	30.03 in	10.0 mi	ENE	13.8 mph	17.3 mph	N/
8:54 PM	75.9 °F	-	53.1 °F	45%	30.04 in	10.0 mi	ENE	8.1 mph	-	N/
9:54 PM	73.0 °F	-	52.0 °F	48%	30.04 in	10.0 mi	East	8.1 mph	-	N/
10:54 PM	72.0 °F	-	51.1 °F	48%	30.06 in	10.0 mi	East	8.1 mph	-	N/
11:54 PM	71.1 °F	-	52.0 °F	51%	30.06 in	10.0 mi	ESE	9.2 mph	-	N/

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About Our Data

Forecasts

All of our forecasts are generated from our proprietary forecasting system that leverages our vast amount of neighborhood weather data that we get from our community - we refer to the system as Best Forecast™.

Our ever-expanding network of 22,000+ personal weather stations is the largest of its kind and provides us with a unique ability to provide the most local forecasts based on actual weather data points. BestForecast™ uses the most innovative forecast models available and cross-verifies their output with all of the localized data points. Only our unrivalled amount of local neighborhood weather data can generate forecasts for your front door.

For US locations we give users the option to switch to view the forecasts generated from the National Weather Service's National Digital Forecast Database (NDFD). In a step to create an unprecedented level of transparency to our forecasting, we publish the recent accuracy of our forecasts for every US location alongside the accuracy of the NDFD forecasts.

U.S. Current Conditions

U.S. current conditions data comes from over 42,000 weather stations across the country including:

- **Almost 2,000 Automated Surface Observation System (ASOS)** stations located at [airports](#) throughout the country. These are maintained by the [Federal Aviation Administration](#) and observations are updated hourly, or more frequently when adverse weather affecting aviation occurs (low visibility, precipitation, etc).
- **Over 16,000 Personal Weather Stations (PWS's)** that are part of Weather Underground's ever-expanding [PWS network](#). Stations are put through strict quality controls and observations are updated as often as every 2.5 seconds.
- **Over 26,000 weather stations** that are part of the Meteorological Assimilation Data Ingest System (MADIS) which is managed by the National Oceanic and Atmospheric Administration (NOAA). For further information, see <http://www-sdd.fsl.noaa.gov/MADIS>.

When a visitor requests current conditions from wunderground.com, the geographically closest station is displayed. There is also a Station Select button, which shows a list of the next closest stations.

International Current Conditions

International current conditions are collected directly from more than 29,000 weather stations located in countries around the globe including:

- About 6,000 automated weather stations operating at airports. Here is a [list](#) of the stations. Typically these stations are owned by government agencies and international airports and data is updated at 1, 3, or 6 hour intervals, depending upon the station.
- Over 8,000 [Personal Weather Stations](#) (PWS's) and 16,000 MADIS stations.

EXHIBIT 50

EXHIBIT 50

EXHIBIT 50



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Los Angeles Office

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Glendale, CA 91203
Phone (818) 545-1155

TESTIMONY APPEARANCES

05/05/08 Los Angeles Superior Court, 111 Hill Street

Hon. Fahey

Dept. 78

Re: Shahram Elyaszadeh v. Homayoun Neman, et al.

Jules L. Kabat, Robert Satterthwaite

09/11/08 Los Angeles Superior Court, 111 Hill Street

Hon. William McLaughlin

Dept. 89

Re: Brown v. Johnson, et al; LASC Case No.: BC 374 660

Attorney Lee Dicker

10/16/08 Los Angeles Superior Court, Norwalk

Hon. Dewey L. Falcone

Dept. W

Re: Enrico Enciso

Attorney Tom Ravatt

11/19/08 Los Angeles Superior Court, Burbank

Hon. Dennis Shanklin

Dept. 3

Re: Syzanne Savage v. Toni Stutson

Attorney Mike Steinager for the Defendant

11/21/08 San Francisco Federal Immigration Court

Hon. Brian H. Simpson, Immigration Judge

Dept. 5

Re: Melese, Hailu Gabriel

Attorney Yemi Getachew for the Defendant

02/10/09 Los Angeles Superior Court, Hill Street

Hon. Maren E. Nelson, Dept 60

Marva v. Williams

Attorney George Seidi

02/23/09 Las Vegas, Nevada

Hon. Valerie Adair

Dept. 21

Re: Cameo Model & Talent Agency, LLC v. The Agency, LV, et al.

Attorney Gus W. Flangas, Esq.

04/03/09 Los Angeles Superior Court, Hill Street

Hon. Charles F. Palmer

Dept 33

Re:

Attorney Rodney Bell

05/06/09 Los Angeles Superior Court, Hill Street
Hon. O'Donnel
Dept. 37
Re: Sarvary vs. Voges
Attorney Richard S. Van Dyke

05/22/09 Yolo County Superior Court, Woodland, CA
Hon. Timothy Fall
Dept. 2
Re: Dev matter
Attorney Michael Rothchild

06/25/09 Calaveras County Superior Court, San Andreas, CA
Hon. Martin
Dept. 6
Re: Adams v. Berghouse, et al.
Case #CV34998
Attorney Reg J. Lormon

07/07/09 US District Court Central District California
Hon. Fairbank
Dept. 9
Re: Amy Alcini, et al. v. Northwestern Mutual Life Insurance Co., et al. (Kay Cole, deceased)
Case # CV-08-02889-VBF (AJWx)
Attorney Rafael Bernardino, Jr.

07/13/09 Unites States Immigration Court, San Francisco
Hon. Robert Yeargin
Courtroom 6
Re: Amarjit Singh
Attorney Arwen Swink, Esq.

08/28/09 CA Superior Court, Glendale (LA area)
Hon. Matz
Dept. E
Re: Toni Stutson v. Susane Savage
Michael G. Steiniger, Esq.

09/24/09 Deposition, Irvine CA
Re: Century 21 Landmark Properties; Alan Fasnacht, Lynn Fasnacht
Deposed by
Defended by Charles Shelton, Esq.

09/29/09 Deposition, San Diego CA
Re: Somo v. Chevron
Deposed by John H. Reaves, Esq.
2488 Historic Decatur Rd, Ste 200
San Diego, CA 92106
Defended by Julie Trotter, Esq.

10/08/09 Sacramento Superior Court, CA
Jury Trial
Hon. Judge David Brown
Dept. 17
Re: People v. Embra
For the Defense, Maura De La Rosa

11/12/09 Superior Court of California, County of Santa Clara
 Deposition (in Los Altos, CA)
 Re: Marriage Of Ebrahimi
 Judge Berra
 Deposed by Abbas Hadjian, Esq.
 Defended by Rod Firoozye, Esq. (for Plaintiff Armin Ebrahimi)

11/19/09 Los Angeles Superior Court, CA (Hill Street)
 Bench Trial
 Dept 9, Judge Goetz
 Re: Garrison
 Stephen Moeller

12/14/09 Santa Monica, CA
 Deposition
 Re: Garrison
 Defended by Stephen Moeller

12/17/09 Superior Court of California, County of Santa Clara
 San Mateo, CA
 Judge Berra (San Mateo)
 Re: Marriage Of Ebrahimi
 Rod Firoozye for Armin Ebrahimi

12/18/09 Deposition testimony in San Francisco re: 3EB Case

01/14/10 Los Angeles Superior Court, CA (111 Hill Street)
 Bench Trial
 Dept 9, Judge Goetz
 Re: Garrison
 Stephen Moeller

02/16/10 Oceanside, CA
 Deposition
 Re: City of Oceanside v. Judd

03/05/10 Los Angeles Superior Court, CA (111 Hill Street)
 Bench Trial
 Dept 9, Judge Goetz
 Re: Garrison
 Stephen Moeller

03/09/10 San Jose, CA
 Deposition
 Re: Stanley Doty, Trustee of JDP Trust v. Cava Valley Roofing, et al.
 Shawn E. Cowles, Esq.

04/09/10 Irvine, CA
 Deposition
 Re: Martinez v. Williams
 Warren Miller

04/12/10 San Francisco, CA
 Jury Trial
 Hon. Tomar Mason, Courtroom 606
 Re: Julius Castle
 Jay T. Jambeck, The Schinner Law Group

05/11/10 Emeryville, CA
Deposition
Re: Shirley Hwang v. Winston Lum
Nancy Davis, Esq. of Holme Roberts & Owen LLP

05/12/10 Santa Monica, CA
Re: Nunnari v. Cecchi Gori Pictures
Erica E. Hayward, Esq.

05/21/10 San Francisco, CA
Deposition
Re: Beijing Tong Ren Tang (USA), Corp. vs. TRT USA Corp et al
Jing James Li, Ph.D. of Greenberg Taurig LLP

05/24/10 San Francisco, CA
Deposition
Bradley J. Jameson, Esq.
Re: Sean C. McKean, Shawn P. McIlvenna v. Stephen E. Lawrence, Sophie Gasparatos

08/06/10 Santa Ana, CA
Federal Courthouse
Hon. Albert
Re: Petition of William E. Preston
Larry Halperine, Esq.

08/13/10 San Francisco, CA
Deposition
Re: Miller vs. California Pacific Medical Center
Foley & Larner LLP
Eileen R. Ridley, Esq. / (Kristy Marino)

08/16/10 San Jose, CA
Federal Courthouse
Dept 6
Hon Ronald M. Whyte
Re: Beijing Tong Ren Tang (USA), Corp. vs. TRT USA Corp et al
Jing James Li, Ph.D. of Greenberg Taurig LLP

08/27/10 Los Angeles Superior Court, CA (111 Hill Street)
Dept 39, 4th floor
Hon. Michal C. Solner
Re: Coliseo Housing Partnership v. POZ Village Development, Inc.
J. Grant Kennedy, Esq.

09/21/10 Nevada County Superior Court (Nevada City, CA)
Dept. 6
Re: The Estate of Don Cunningham, Nevada County Superior Court Probate Case No. P14621
Hon. Thomas M. Anderson
R. Ellis Harper, Esq.

11/15/10 Down town Los Angeles, CA
Arbitration
Re: Ron Sahni
Attorney Robert L. Kinkle

11/17/10 Riverside, CA
Deposition Re: Gillis estate matter
Attorney Rex Edwards

11/26/10 Bremmerton, WA
 Arbitration
 Re: Boston Pacific Matter
 Michael White, Esq. Patton Boggs LLP

12/02/10 Roseville, CA
 Deposition
 Re: Marquez et al. vs. Van Dyke, et al; Thielke et al. vs. Van Dyke, et al.
 Kevin Hull, Esq. Freidberg & Parker, LLP

12/21/10 Nevada County Superior Court (Nevada City, CA)
 Hon. Thomas M. Anderson
 Dept. 6
 Re: Niman v. Niman, Nevada County Superior Court Case No. P14839
 R. Ellis Harper, Esq.

01/05/11 San Francisco, CA
 Deposition
 Re: Alameda County Probate Case No. RP08420940
 Thomas Latham, Esq. & Brian F. Connors, Esq.

01/19/11 Los Angeles, CA (Korea Town)
 Arbitration
 Hon. Alan Penkower
 Re: Stanley v. State Farm
 Rob Pohls, Esq. of Pohls & Associates

02/01/11 Alameda Superior Court (Oakland)
 Hon. Marshall Whitley, Dept. 18
 Re: Estate of Winston Nielsen Deceased, The Regents Of The University Of California, Petitioner, v.
 Kristin L. Johnson and Clifford R. Lancaster, Respondents
 Case No. RP 08-403581
 Charlie Wolff, Esq. Evans, Latham & Campisi
 San Francisco, CA

02/09/11 Alameda Superior Court (Oakland)
 Hon. Marshall Whitley, Dept. 18
 [Rebuttal testimony]
 Re: Estate of Winston Nielsen Deceased, The Regents Of The University Of California, Petitioner, v.
 Kristin L. Johnson and Clifford R. Lancaster, Respondents
 Case No. RP 08-403581
 Charlie Wolff, Esq. Evans, Latham & Campisi
 San Francisco, CA

03/22/11 Deposition in Alameda, CA
 Estate of Taruk Joseph Ben-Ali
 Defending: Vernon Goins, Esq. of Goins & Associates

04/19/11 Riverside Superior Court (Palm Springs)
 Dept. PS2
 Re: People of the State of California vs. Daniel Lee Smith RIF 144557
 Melanie N. Roe, Esq. of Kennedy & Roe (for the Defendant)

05/09/11 Fresno, California
 Deposition
 Re: Estate of Lillian Salwasser, deceased
 Fresno County Sup. Ct. Case No. 07CEPR00104
 Defending, Lee Cobb, Esq.

05/13/11 Federal Court Sacramento
Hon David E. Russell Dept. 28
Re: Kupka v. Dead Oaks Estates Inc.
For the Respondent, George Hollister Esq.

05/31/11 San Jose, California
Deposition
Re: Straus v. Pavese et al
Andrew Lauderdale, Esq.
Santa Clara Superior Court

06/08/11 Sacramento, California
Deposition
Re: Wiens vs. Huff
For the Plaintiff, Randall L. Wiens

07/14/11 Roseville, Placer County, CA
Hon. O'Flauerty, Dept. 43
Re: Jayraj Nair v. Dindu P. Nair
Karen L. Mathes, Esq.

07/26/11 Santa Barbara, Superior Court
Hon. Brian Hill
Re: Peter Lance
For the Defendant, Daryll Genis, Esq.

08/02/11 Watsonville, Superior Court
Hon. Heather D. Morse
Dept. C
Re: Norton Dissolution
For Scott Norton, Patricia Liberty, Esq.

08/11/11 San Francisco, Superior Court
Hon. McCarthy
Department 624
Re: People v. Rory Talley
For the defense, Jacque Wilson, Esq.

08/26/11 San Francisco, Superior Court
Hon. Marla J. Miller
Dept. 604
Re: Miller v. CPMC
For the defendant, Mike Naranjo of Foley & Lardner LLP

08/30/11 San Francisco, Superior Court
Hon. Marla J. Miller
Dept. 604
Re: Miller v. CPMC
For the defendant, Mike Naranjo of Foley & Lardner LLP

10/03/11 Santa Barbara, Superior Court
Hon. Brian Hill
Re: Peter Lance
For the Defendant, Daryll Genis, Esq.

10/27/11 Oakland, Superior Court
Hon.
Dept. 6
Re: People v. Rafael Duarte
For the Defendant, William Cole

11/04/11 Sacramento, Deposition

Re: Dovichi v. James V. de la Vergne...Bendahans/McCartney

Deposing Law Firm: DLA Piper LLP (US)

Deposing Attorney, Steven S. Kimball

For the Plaintiff, Freidberg and Parker Law Firm

Defending my deposition, Bret Spitzer

11/09/11 Oakland, Superior Court

Homocide Trial

Hon.

Dept. 6

Re: People v. Rafael Duarte

For the Defendant, William Cole