



**CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION**  
**SAN LUIS OBISPO UNIT**  
635 North Santa Rosa Street  
San Luis Obispo, CA 93405  
**VENTURA COUNTY FIRE DEPARTMENT**  
165 Durley Avenue  
Camarillo, CA 93010

## **INVESTIGATION REPORT**

**CASE NUMBER:** 17CAVNC103338

**CASE NAME:** KOENIGSTEIN

**DATE:** December 4, 2017

**INCIDENT TYPE:** Wildland Fire

**INCIDENT INVESTIGATORS:** Jon BERGH, Fire Investigator – VCFD  
Ryan MILLER, Fire Fighter – VCFD  
Jace CHAPIN, Battalion Chief – CAL FIRE  
Kenneth RUSSELL, Fire Captain-Specialist – CAL FIRE

1 **1- VIOLATIONS:**

2

3 **Penal Code § 192**

4 Manslaughter is the unlawful killing of a human being without malice. It is of  
5 three kinds:

6 (b) Involuntary—in the commission of an unlawful act, not amounting to a felony;  
7 or in the commission of a lawful act which might produce death, in an unlawful  
8 manner, or without due caution and circumspection. This subdivision shall not  
9 apply to acts committed in the driving of a vehicle.

10

11 **Penal Code § 452**

12 A person is guilty of unlawfully causing a fire when he recklessly sets fire to or  
13 burns or causes to be burned, any structure, forest land or property.

14 (a) Unlawfully causing a fire that causes great bodily injury is a felony punishable  
15 by imprisonment in the state prison for two, four or six years, or by imprisonment  
16 in the county jail for not more than one year, or by a fine, or by both such  
17 imprisonment and fine.

18 (b) Unlawfully causing a fire that causes an inhabited structure or inhabited  
19 property to burn is a felony punishable by imprisonment in the state prison for  
20 two, three or four years, or by imprisonment in the county jail for not more than  
21 one year, or by a fine, or by both such imprisonment and fine.

22 (c) Unlawfully causing a fire of a structure or forest land is a felony punishable by  
23 imprisonment in the state prison for 16 months, two or three years, or by  
24 imprisonment in the county jail for not more than six months, or by a fine, or by  
25 both such imprisonment and fine.

26 (d) Unlawfully causing a fire of property is a misdemeanor. For purposes of this  
27 paragraph, unlawfully causing a fire of property does not include one burning or  
28 causing to be burned his own personal property unless there is injury to another  
29 person or to another person's structure, forest land or property.

30



1 **Health & Safety Code § 13001**

2 Every person is guilty of a misdemeanor who, through careless or negligent  
3 action, throws or places any lighted cigarette, cigar, ashes, or other flaming or  
4 glowing substance, or any substance or thing which may cause a fire, in any place  
5 where it may directly or indirectly start a fire, or who uses or operates a welding  
6 torch, tar pot or any other device which may cause a fire, who does not clear the  
7 inflammable material surrounding the operation or take such other reasonable  
8 precautions necessary to insure against the starting and spreading of fire.

9

10 **Public Resources Code § 4421**

11 A person shall not set fire or cause fire to be set to any forest, brush, or other  
12 flammable material which is on any land that is not his own, or under his legal  
13 control, without the permission of the owner, lessee, or agent of the owner or lessee  
14 of the land.

15

16 **General Order 95, 31.1: Design, Construction and Maintenance**

17 Electrical supply and communication systems shall be of suitable design and  
18 construction for their intended use, regard being given to the conditions under which  
19 they are to be operated, and shall be maintained in a condition which will enable the  
20 furnishing of safe, proper and adequate service.

21

22 **General Order 95, 34: Foreign Attachments**

23 Nothing in these rules shall be construed as permitting the unauthorized  
24 attachment, to supply, street light or communication poles or structures, of  
25 antennas, signs, posters, banners, decorations, wires, lighting fixtures, guys, ropes  
26 and any other such equipment foreign to the purposes of overhead electric line  
27 construction.

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1 **General Order 95, 49.8: Hardware**

2 All pole line hardware shall be galvanized, otherwise protected by a corrosion-  
3 resistant treatment, or shall be composed of material which is corrosion resistant.

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1 **2 – SUMMARY:**

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On Monday, December 4, 2017, at approximately 7:30 PM, a fire was observed, reported and photographed by Tiarzha TAYLOR in her front yard located at [REDACTED] [REDACTED], Santa Paula, California 93060. The Ventura Fire Communications Center (FCC) dispatched units from Ventura County Fire Department (VCFD) to a reported wildland fire. The fire started under extreme fire weather conditions and was later identified as the KOENIGSTEIN fire. Collectively, the THOMAS fire and the KOENIGSTEIN fire consumed 281,893 acres of mixed wildland and 1343 structures destroyed/damaged. The THOMAS fire started before the KOENIGSTEIN fire at approximately 6:23 PM. One civilian fatality and one fire fighter fatality occurred as a result of these two fires. The fires were fully controlled on Wednesday, January 10, 2018 (see attachment #1 thru #4).

TAYLOR heard an "explosion" followed by embers falling from the sky, and observed the fire within minutes after ignition. Fire investigators determined the fire occurred when an energized electrical conductor separated between two power poles in TAYLOR'S front yard. Initial separation arcing and subsequent ground contact resulted in molten aluminum particles falling onto the surrounding vegetation. Investigators examined the scene, documented, photographed and collected sections and parts associated with the involved electrical conductor as evidence. The power lines and equipment responsible for the KOENIGSTEIN fire were owned and operated by Southern California Edison (SCE).

1 **3 – SUSPECT:**

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3 S-1 Southern California Edison (SCE)

4 Corporate Headquarters

5 9200 Oakdale Avenue, 9<sup>th</sup> Floor

6 Los Angeles, CA 91311

7 Phone: (888) 848-4754

8

9 Process Service Agent - SCE

10 Cristina LIMON

11 2244 Walnut Grove Avenue

12 Rosemead, CA 91770

13 Phone: (888) 848-4754

14 Christina.Limon@sce.com

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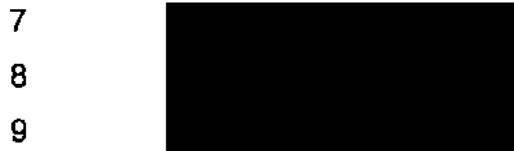
1 **4 – VICTIMS & WITNESSES:**

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3 **VICTIMS:**

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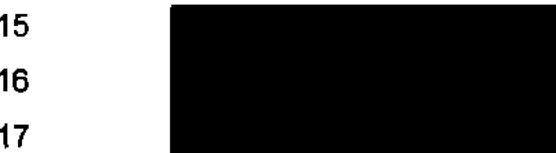
5 V-1 Virginia PASOLA  
6 Civilian



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10 *For further information pertaining to PASOLA, contact Ventura County Medical*  
11 *Examiner's Office at (805) 641-4400 reference report #1501-17.*

12

13 V-2 Cory IVERSON  
14 Fire Apparatus Engineer – CAL FIRE



15  
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17  
18 *For further information pertaining to IVERSON, contact Ventura County Medical*  
19 *Examiner's Office at (805) 641-4400 reference report #1539-17.*

20

21 **Other Victims:**

22

23 For a complete list of properties which sustained damage or burned structures  
24 during the THOMAS and/or KOENINGSTEIN fires (*see attachment #5*). This list  
25 may or may not include damaged land and other miscellaneous burned  
26 properties.

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1 **WITNESSES:**

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3 W-1 Tiarzha TAYLOR

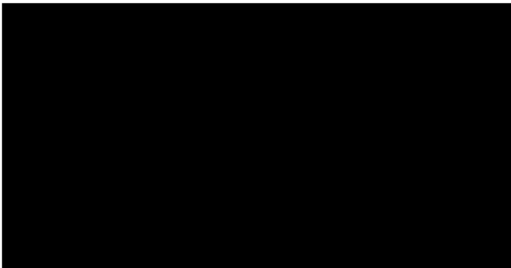
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9 *Can testify to being the first person to hear, see, report and photograph the*  
10 *KOENIGSTEIN fire. Additionally, TAYLOR took photos of the THOMAS fire*  
11 *(see attachment #6).*

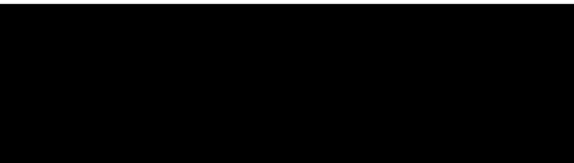
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13 W-2 Danny EVERETT

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17 *Can testify to events associated with the KOENIGSTEIN fire.*

18

19 W-3 Kevin SCHMIDT

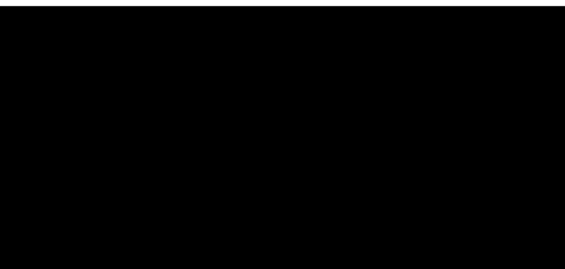
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25 *Can testify to hearing a big bang, seeing massive sparks hitting the ground and*  
26 *a fire start. SCHMIDT'S video recorded the KOENIGSTEIN fire at its early*  
27 *stages and he provided the recordings to the Investigation Team (IT) (see*  
28 *attachment #7).*

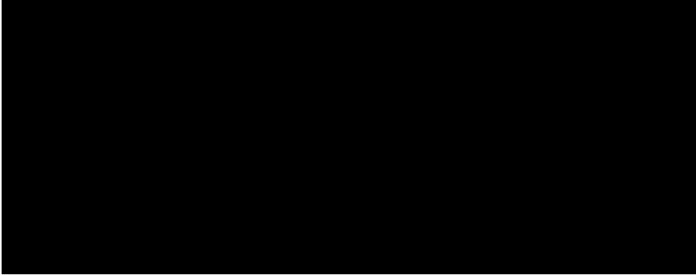
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1 W-4 Earl BROCK

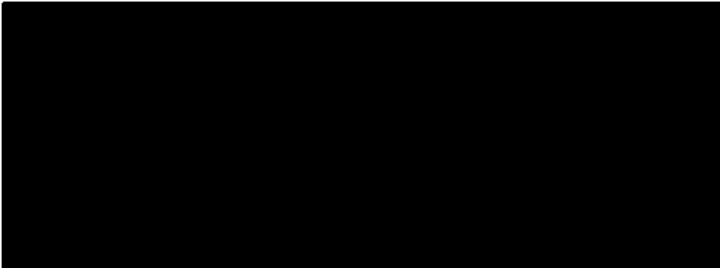
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7 *Can testify to observing a fire to the east (later identified as the THOMAS fire),*  
8 *hearing a loud explosion to the west, losing power, and observing flames to the*  
9 *west (later identified as the KOENIGSTEIN fire). BROCK took photos and*  
10 *video recorded the THOMAS fire (see attachment #8).*

11  
12 W-5 Kenneth MAMLOCK

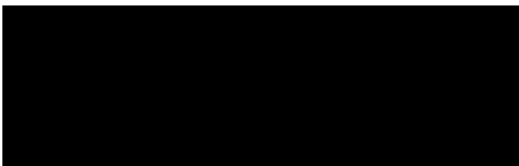
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18 *Can testify to hearing a loud pop and seeing a bright blue flash on top of the*  
19 *power pole associated with the KOENIGSTEIN fire (see attachment #9).*

20  
21 W-6 Thomas LANSKI  
22 Fire Captain – VCFD

23  
24  
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26 *Can testify to being the company officer on the first piece of fire equipment at*  
27 *scene and seeing flashes in the general area of the KOENIGSTEIN fire (see*  
28 *attachment #10).*

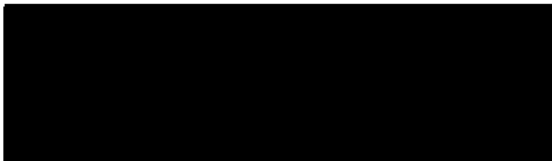
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1 W-7 Bill DEDERICK  
2 Fire Apparatus Engineer – VCFD



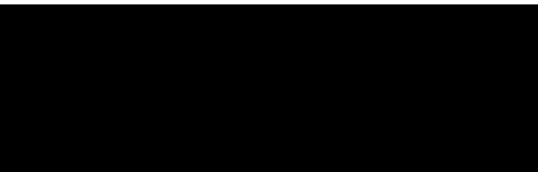
3  
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6 *Can testify to being on the first piece of fire equipment at scene and seeing*  
7 *flashes in the general area of the KOENIGSTEIN fire (see attachment #10).*

8  
9 W-8 Ian HAYWARD  
10 Fire Fighter – VCFD



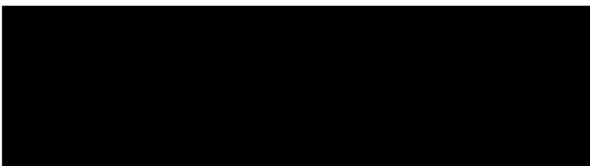
11  
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13  
14 *Can testify to being on the first piece of fire equipment at scene and seeing*  
15 *flashes in the general area of the KOENIGSTEIN fire (see attachment #10).*

16  
17 W-9 Jack REIMERS  
18 Fire Captain – United States Forest Service



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21  
22 *Can testify to burned and unburned areas surrounding the KOENIGSTEIN fire.*

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24 W-10 Jon BERGH  
25 Fire Investigator – VCFD



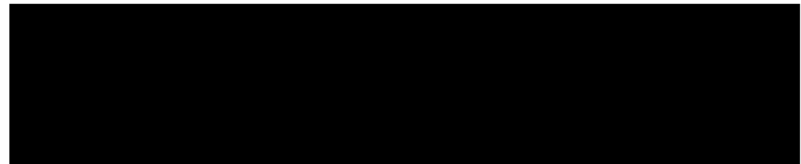
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29 *Can testify to being the lead investigator and completing the Fire Investigation*  
30 *Report (LE-80).*

1 W-11 Ryan MILLER  
2 Fire Fighter – VCFD



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6 *Can testify to assisting with the overall fire investigation.*

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8 W-12 Christine SAQUI  
9 Fire Investigator – VCFD



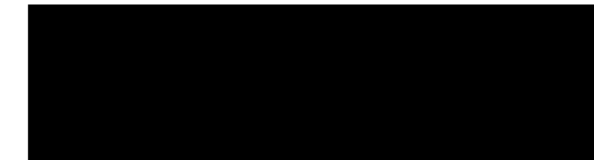
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13 *Can testify to the KOENIGSTEIN fire and the THOMAS fire being two separate*  
14 *incidents.*

15  
16 W-13 Marshall HATCH  
17 Fire Investigator – VCFD



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21 *Can testify to the KOENIGSTEIN fire and the THOMAS fire being two separate*  
22 *incidents.*

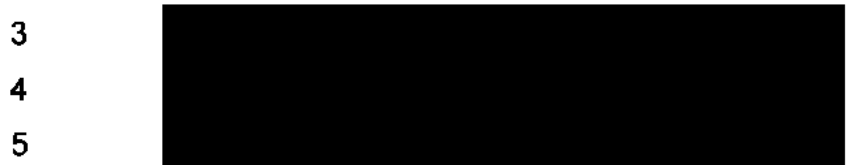
23  
24 W-14 Gregg DELAROSA  
25 Senior Deputy - Ventura County Sheriff's Office (VCSO)



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29 *Can testify to the KOENIGSTEIN fire and the THOMAS fire being two separate*  
30 *incidents.*

1 W-15 Kenneth RUSSELL

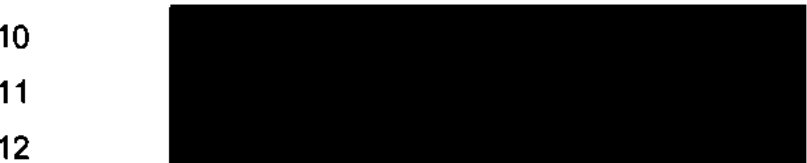
2 Fire Captain-Specialist - CAL FIRE



3  
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6 *Can testify to assisting with the fire investigation.*

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8 W-16 Jace CHAPIN

9 Battalion Chief - CAL FIRE



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12  
13 *Can testify to assisting with the fire investigation.*

14  
15 W-17 Daniel VANOVER

16 Senior Deputy - VCSO



17  
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19  
20 *Can testify to scene security (see attachment #11).*

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22 W-18 John EISENHARD



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26  
27 *Can testify to scene security (see attachment #11).*

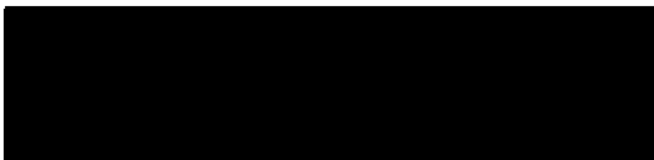
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1 W-19 Keith HALL

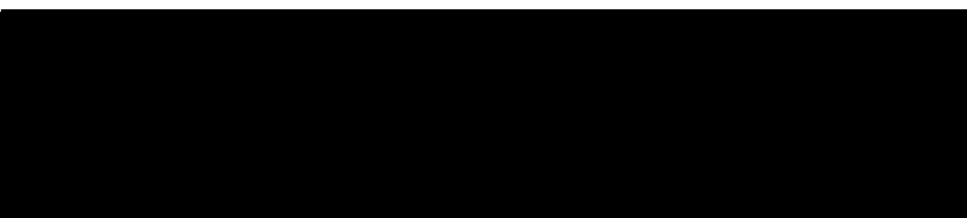
2 Senior Deputy - VCSO



6 *Can testify to scene security (see attachment #11).*

8 W-20 Richard MCCOLLUM

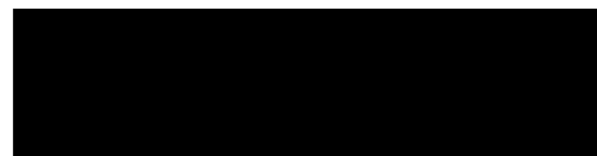
9 Investigations Manager - SCE



14 *Can testify to coordinating efforts between the IT and SCE for the removal and collection of evidence (see attachment #12).*

17 W-21 Patrick WALKER

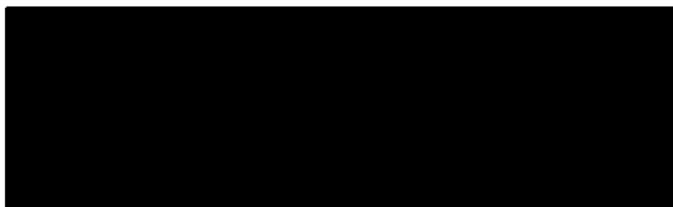
18 Fire Fighter II – CAL FIRE



22 *Can testify to scene security (see attachment #13).*

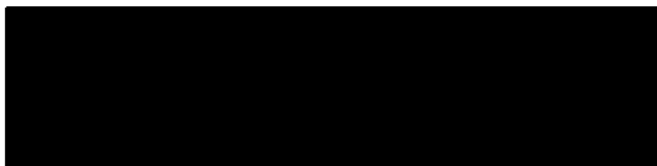
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1 W-22 James "Jed" DEGRAFF  
2 Technical Services Section



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6  
7 *Can testify to using LiDAR in the area identified by the IT. The LiDAR team can*  
8 *explain how the LiDAR functions and the data collected (see attachment #14).*

9  
10 W-23 Dave KAROLY  
11 Technical Services Section  
12 Survey Party Chief- CAL FIRE



13  
14  
15  
16 *Can testify to using LiDAR in the area identified by the IT. The LiDAR team can*  
17 *explain how the LiDAR functions and the data collected (see attachment #14).*

18  
19 W-24 Eric WATKINS  
20 Assistant Chief - CAL FIRE

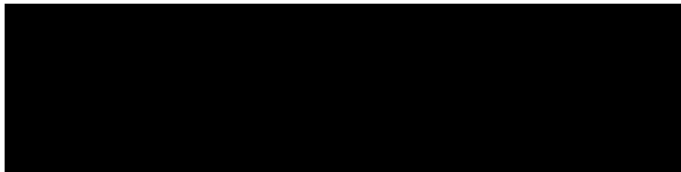


21  
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23  
24 *Can testify to coordinating efforts, communications and data request with SCE*  
25 *(see attachment #15).*

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1 W-25 Vince BERGLAND

2 Battalion Chief - CAL FIRE



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6 *Can testify to escorting evidence collected from the KOENIGSTEIN fire to the*  
7 *evidence locker at Southern Region Headquarters, Fresno (see attachment #16).*

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1 **5 – EVIDENCE:**

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Evidence collection at the KOENIGSTEIN fire began on Tuesday, December 5, 2017, by Jon BERGH and Ryan MILLER. Two pieces of evidence (E-1 & E-2) were collected on Tuesday, December 5, 2017. On Wednesday, December 6, 2017, the IT comprised of BERGH, MILLER, Jace CHAPIN and Kenneth RUSSELL arrived at the fire origin area to continue the investigation and collected evidence (E-3 thru E-11).

On Thursday, December 7, 2017, the IT collected evidence (E-12 thru E-16). On Friday, December 8, 2017, the IT was accompanied by SCE at the KOENIGSTEIN fire for collection of evidence (E-17 thru E-26). The evidence on Friday, December 8, 2017, was tagged by both SCE and the IT with independent tracking tags and tracking numbers. Evidence (E-21 thru E-26) was transferred to SCE (Rick MCCOLLUM), a property receipt and chain of custody was completed by the IT and SCE. Additionally, a property receipt was completed by the IT and TAYLOR for evidence not associated with equipment owned and operated by SCE. The remaining evidence (E-1 thru E-20) was secured and transported in a locked/marked CAL FIRE vehicle escorted by Vince BERGLAND. A chain of custody was completed by the IT team and BERGLAND. All evidence collected on the KOENIGSTEIN fire was transferred to the CAL FIRE evidence locker at Southern Region Headquarters, 1234 East Shaw Avenue, Fresno, CA 93710, on Saturday, December 9, 2017 (see attachment #17 thru #21).

PHYSICAL EVIDENCE

Item #1 – (E-1) Section of ACSR powerline spanning from Pole #729565E to #729566E, cut by MILLER. Section was in contact with the ground in the Specific Origin Area (SOA) and continued downslope. Section was from the center phase and additional evidence associated with the center phase was marked with WHITE tape and tracking tags.



- 1 Item #2 – (E-2) Section of raptor guard. Raptor guard was from the center phase  
2 and found downslope from the SOA. Section was collected by MILLER, and was  
3 found near Pole #729566E.  
4
- 5 Item #3 – (E-3) Parallel groove connector. Collected by MILLER. Connector was  
6 found in the SOA on the ground near Pole #729566E.  
7
- 8 Item #4 – (E-4) Large piece of metal. Metal was determined to possibly be a piece  
9 of Edison equipment, and was found in the SOA at the base of Pole #729566E.  
10 Collected by MILLER.  
11
- 12 Item #5 – (E-5) Square metal nut. Collected by MILLER. Found in the SOA at the  
13 base of Pole #729566E.  
14
- 15 Item #6 – (E-6) Square metal washer. Collected by MILLER. Found in the SOA at  
16 the base of Pole #729566E.  
17
- 18 Item #7 – (E-7) Section of wire. Determined to possibly be a piece of Edison  
19 equipment. Collected by MILLER. Found in the SOA at the base of Pole #729566E.  
20
- 21 Item #8 – (E-8) Melted metal ring. Determined to possibly be a piece of Edison  
22 equipment. Collected by MILLER. Found in the SOA at the base near Pole  
23 #729566E.  
24
- 25 Item #9 – (E-9) Landscape light. Found in the SOA. Light was subjected to fire and  
26 heat, and suffered minor damage. Collected by MILLER. Light was collected as a  
27 comparison to E-10 and E-11.  
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1 Item #10 – (E-10) Landscape light. Found in the SOA. Light was subjected to fire  
2 and heat, and suffered significant heat damage, including discoloration and  
3 malformation. Collected by MILLER. Light was collected as a comparison to E-9 and  
4 E-11.

5

6 Item #11 – (E-11) Landscape light with possible electrical damage. Light found in  
7 the Ignition Area (IA), with possible electrical arc damage noted on the top of the  
8 light. Collected by MILLER. Light was found in proximity to E-1.

9

10 Item #12 – (E-12) Metal slag. Small piece of metal slag found on brick walkway  
11 immediately adjacent to E-11. Slag was found in the IA. Collected by MILLER.

12

13 Item #13 – (E-13) Melted metal fragments. Fragments were found in the dirt,  
14 immediately adjacent to E-11. Fragments were found by combing through IA.  
15 Collected by MILLER.

16

17 Item #14 – (E-14) Glass fragments from landscape light bulb. Fragments were found  
18 in the dirt immediately adjacent to E-11. Fragments were found by combing through  
19 IA. Collected by MILLER.

20

21 Item #15 – (E-15) Spring from damaged light. Spring was in the dirt immediately  
22 adjacent to E-11. Collected using a magnet over the IA as well as a comb used to  
23 search the IA. Spring was in two pieces, which showed beading on one end.

24 Collected by MILLER.

25

26 Item #16 – (E-16) Wiring connection for E-11. Wiring was in the dirt immediately  
27 below E-11. Collected by MILLER.

28

29

30



1 Item #17 – (E-17) Top of power Pole #729566E. Pole collected with the assistance  
2 of SCE, under the supervision of the IT. Pole included top cross arm with north,  
3 center and south phase insulators attached. Included was the lower cross arm with  
4 north and south phase fuses attached. Lower cross arm was not securely attached  
5 to pole at beginning of incident. Lower cross arm was securely attached to the pole  
6 by SCE prior to removal of top portion of pole, for safety reasons. Insulators and  
7 fuses were secured by tape and bubble wrap prior to being transported. Collected  
8 by MILLER.

9  
10 Item #18 - (E-18) North phase copper wire, spanning from Pole #729566E to  
11 #729565E. Wire was lowered by SCE under the supervision of the IT, and collected  
12 by MILLER. Wire was marked by SCE with one wrap of red tape.

13  
14 Item #19 - (E-19) Center phase insulator from Pole #729565E. Also, included raptor  
15 guard, and cut portion of E-1, still attached to insulator. Insulator was removed by  
16 SCE under supervision of IT. Collected by MILLER. Insulator was marked by SCE  
17 with one wrap of white tape.

18  
19 Item #20 - (E-20) South phase copper wire, spanning from Pole #729566E to  
20 #729565E. Wire was lowered by SCE under the supervision of the IT, and collected  
21 by MILLER. Wire was marked by SCE with one wrap of blue tape.

22  
23 Item #21 - (E-21) North span fuse from Pole #729567E. Fuse was located on the  
24 ground under pole. The fuse appeared to be blown. Fuse was collected by Edison,  
25 under the supervision of the IT. Fuse was marked by Edison with one wrap of red  
26 tape. Fuse was collected by MILLER, logged, and released back to SCE  
27 MCCOLLUM.

1 Item #22 - (E-22) Center span fuse from Pole #729567E. Fuse was in the power  
2 fuse unit, in the open position. Fuse was collected by SCE, under the supervision of  
3 the IT. Fuse was marked by SCE with one wrap of white tape. Fuse appeared to be  
4 blown upon inspection. Fuse was collected by MILLER, logged, and released back  
5 to SCE MCCOLLUM.

6  
7 Item #23 - (E-23) South span fuse from Pole #729567E. Fuse was in the power fuse  
8 unit on the pole, in the closed position. Fuse was collected by Edison, under the  
9 supervision of the IT. Fuse was marked by Edison with one wrap of blue tape. Fuse  
10 appeared to be intact upon inspection. Fuse was collected by MILLER, logged, and  
11 released back to SCE MCCOLLUM.

12  
13 Item #24 - (E-24) North phase copper wire, spanning from Pole #729566E to  
14 #729567E. Wire was lowered by SCE under the supervision of the IT. Wire was  
15 marked by SCE with two wraps of red tape. Wire was collected by MILLER, logged,  
16 and released to SCE MCCOLLUM.

17  
18 Item #25 - (E-25) Center phase ACSR wire, spanning from Pole #729566E to  
19 #729567E. Wire was lowered by SCE under the supervision of the IT. Wire was  
20 marked by SCE with two wraps of white tape. Wire was collected by MILLER,  
21 logged, and released to SCE MCCOLLUM.

22  
23 Item #26 - (E-26) South phase copper wire, spanning from Pole #729566E to  
24 #729567E. Wire was lowered by SCE under the supervision of the IT. Wire was  
25 marked by SCE with two wraps of blue tape. Wire was collected by MILLER, logged,  
26 and released to SCE MCCOLLUM.

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1 PHOTOGRAPHS and VIDEOS (*Civilians*)

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3 TAYLOR Photos and Video (*see attachment #6*)

4 Photographs taken by TAYLOR on Monday, December 4, 2017

5 Video taken by TAYLOR on Friday, December 8, 2017

6 SCHMIDT Video (*see attachment #7*)

7 Photographs taken by Kevin SCHMIDT on Monday, December 4, 2017

8 BROCK Photos (*see attachment #8*)

9 Photographs taken by Earl BROCK on Monday, December 4, 2017

10

11 WITNESS STATEMENTS & INTERVIEWS

12

13 TAYLOR Audio Interview (*see attachment #6*)

14 SCHMIDT Written Witness Statement LE-78 and Audio (*see attachment #7*)

15 BROCK Written Witness Statement LE-78 (*see attachment #8*)

16 MAMLOCK Written Witness Statement LE-78 and Audio (*see attachment #9*)

17 Audio Interviews with LANSKY, DEDERICK, and HAYWARD (*see attachment #10*)

18

19 PHOTOGRAPHS and VIDEOS (*Investigation Team*)

20

21 BERGH Photos (*see attachment #49 & #50*)

22

23 P-JB-001 thru P-JB-086 Photographs taken on Tuesday, December 5, 2017

24 P-JB-087 thru P-JB-173 Photographs taken on Wednesday, December 6, 2017

25 P-JB-174 thru P-JB-413 Photographs taken on Thursday, December 7, 2017

26 P-JB-414 thru P-JB-550 Photographs taken on Friday, December 8, 2017

27 P-JB-551 thru P-JB-579 Photographs taken on Friday, December 15, 2017

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29 All additional IT recordings associated with the KOENIGSTEIN fire investigation

30 (*see attachment #48*).

1 **6 – CONDITIONS:**

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The origin of the KOENIGSTEIN fire was located at [REDACTED] Santa Paula, CA 93060. The origin was on a southwest aspect, adjacent to a private driveway, at Lat/Long: (N 34-26-50.995/W 119-07-04.289). The topography was a moderate downward slope from the residence. The City of Ojai is approximately ten miles away to the west. The vegetation at the origin was annual grasses, and a mixture of native and ornamental shrubs.

Weather information for Monday, December 4, 2017, was obtained from a Remote Automated Weather Station (RAWS) located near the City of Fillmore, in the County of Ventura, CA. The Wiley Ridge RAWS is approximately ten miles north of the KOENIGSTEIN fire origin, at an elevation of 1645 feet. The Wiley Ridge RAWS recorded weather hourly at 7:00 PM and 8:00 PM (see attachment #22). The start time of the KOENIGSTEIN fire was approximately 7:30 PM. Additionally, a BLM lightning map with no observed activity from November 27, 2017, thru December 4, 2017, was obtained for the areas Ojai and Santa Paula (see attachment #23).

Wiley Ridge RAWS

|                    |                          |
|--------------------|--------------------------|
| Date:              | Monday, December 4, 2017 |
| Time:              | 7:00 PM                  |
| Temperature:       | 54 degrees Fahrenheit    |
| Dew Point:         | 3 degrees Fahrenheit     |
| Relative Humidity: | 12 percent               |
| Wind Speed:        | 34 to 54 miles per hour  |
| Wind Direction:    | From the northeast       |
| Elevation:         | 1645 feet                |
| Latitude/Longitude | 34.371667 / -118.840833  |

1 Wiley Ridge RAWS

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3 Date: Monday, December 4, 2017

4 Time: 8:00 PM

5 Temperature: 53 degrees Fahrenheit

6 Dew Point: 2 degrees Fahrenheit

7 Relative Humidity: 12 percent

8 Wind Speed: 31 to 51 miles per hour

9 Wind Direction: From the northeast

10 Elevation: 1645 feet

11 Latitude/Longitude 34.371667 / -118.840833

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1 **7 – EQUIPMENT:**

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The equipment associated with the cause of the KOENIGSTEIN fire is owned and operated by SCE. The fire originated closest to Pole #729566E. SCE Pole #729566E was between Pole #729567E and #729565E. When BERGH and MILLER arrived at the fire scene, the center phase was broken away from the center phase insulator on pole #729566E. The line had recoiled and was suspended on multiple rocks and brush throughout the span from Pole #729566E and Pole #729565E. The downed conductor was 6/1 ACSR (Aluminum Conductor Steel Reinforced). The conductor was along the CASTRO 16 Circuit originating from Wakefield substation in Santa Paula, CA (see photographs P-JB-419 & P-JB-420).



1 **B – PROPERTY:**

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The origin of the KOENIGSTEIN fire was located on the property identified by the Ventura County Assessor's Parcel Number (APN) 040-022-0-085. The SOA was on private property located at 12695 Koenigstein Road, Santa Paula, California 93060. The Assessor's Office lists the property as a 9.85 acre parcel. The property is owned by Danny EVERETT and TAYLOR. The property owner's address is recorded as [REDACTED] Santa Paula, CA 93060 (see attachment #24).

**9 – NARRATIVE:**

On Monday, December 4, 2017, at approximately 7:30 PM, a fire was observed, reported and photographed by TAYLOR in her front yard located at [REDACTED] [REDACTED] Santa Paula, CA 93060. The Ventura Fire Communications Center (FCC) dispatched units from Ventura County Fire Department (VCFD) to a reported wildland fire. The fire started under extreme fire weather conditions and was later identified as the KOENIGSTEIN fire. Collectively, the THOMAS fire and the KOENIGSTEIN fire consumed 281,893 acres of mixed wildland and 1343 structures destroyed/damaged. The THOMAS fire started before the KOENIGSTEIN fire at approximately 6:23 PM. Unfortunately, one civilian fatality and one fire fighter fatality occurred as a result of these two fires. The fires were fully controlled on Wednesday, January 10, 2018 (see attachment #1 thru #4).

On Monday, December 4, 2017, at approximately 8:30 PM, I (BERGH) arrived at the THOMAS fire Incident Command Post (ICP) located at Fire Station 82 in Santa Paula, CA 93060. I contacted my colleague, VCFD Fire Investigator Christine SAQUI. SAQUI was the assigned fire investigator for the THOMAS fire. My role was to provide coverage for Ventura County in the event of additional fires. At 7:30 PM, a fire was reported on Koenigstein Road, approximately 3.5 miles northwest of the THOMAS Incident. With knowledge of the second fire, SAQUI and I traveled north on Highway 150 to establish whether this was a separate incident or related to the THOMAS fire.

Enroute to Koenigstein Road, we observed the heel of the THOMAS fire burning along the mountain slope behind Saint Thomas Aquinas College. We observed a large area of unburned fuel between the two fires, as they had not joined together. After passing the college, the highway transitions to an east-west orientation. We stopped on the westbound lane of Ojai Road (Highway 150) just east of Koenigstein Road along the eastern fire flank. The strong, gusty northeast winds had driven the fire across the two-lane road. The intense fire activity and dense smoke inhibited our attempt to drive up Koenigstein Road to locate the heel of the KOENIGSTEIN fire.

1 At approximately 12:15 AM, we left the area to a safe location.

2 On Tuesday, December 5, 2017, I arrived at the Ventura Fairgrounds at  
3 approximately 7:00 AM. During the previous night, the THOMAS ICP was relocated  
4 to the fairgrounds. I met SAQUI for the morning briefing given by THOMAS  
5 Operations Chief Chad COOK. At 9:00 AM, I picked up MILLER at Fire Station 50  
6 in Camarillo. We returned to the ICP and met with SAQUI and VCFD Fire  
7 Investigator Marshall HATCH at approximately 9:30 AM.

8 MILLER and I arrived at the intersection of Koenigstein Road and Highway 150  
9 at approximately 11:30 AM. We traveled northward and uphill along Koenigstein  
10 Road. There was minimal fire activity on both sides of the road. We observed  
11 several destroyed structures on either side of the road. There were strong, gusty  
12 northeast winds. With information from FCC, it was determined the initial 911 call  
13 reporting a fire on Koenigstein Road was initiated from a residence at [REDACTED]  
14 [REDACTED]. We contacted the resident, TAYLOR, who confirmed she was  
15 the initial reporting party. TAYLOR indicated she had left her residence to observe  
16 the THOMAS fire, burning to the southeast of her residence. After seeing the  
17 THOMAS fire, she returned to her residence to begin preparing to evacuate.

18 At approximately 7:30 PM, TAYLOR was in her upstairs bedroom when she  
19 observed two flashes and heard an explosion. TAYLOR went to her window, and  
20 observed sparks falling from the area of a power pole in her front yard. TAYLOR  
21 noticed a fire started in her yard almost immediately afterward, prompting TAYLOR  
22 to call 911.

23 An origin and cause (O&C) investigation was initiated in the front yard of  
24 TAYLOR'S residence. I began examining the burn area near the power pole. I  
25 observed low intensity burning in the vegetation in an area approximately 30 feet  
26 southwest of the base of Pole #729566E. From this area, I observed a downed  
27 power line extending southwest toward Pole #729565E. The conductor remained  
28 attached to the power pole insulator on the cross arm of Pole #729565E.

29 Closer examination showed the center phase conductor had separated at the  
30 insulator on Pole #729566E, and landed in the front yard of the residence. The

1 conductor was draped across the yard over rocks and bushes with the separated  
2 end coiled in a small bush approximately 50 feet southwest of Pole #729566E. The  
3 power line consisted of aluminum conductor steel-reinforced (ACSR) wire. The  
4 separated end of the conductor revealed beading at the terminal ends of the  
5 individual aluminum wires, which is consistent with electrical arc damage. I  
6 observed evidence of arc damage, beading, bird caging, and discoloration on  
7 multiple segments along the downed conductor. There was a raptor guard covering  
8 a small portion of the power line that had separated from the pole, and was located  
9 on the ground near the severed conductor.

10 I photographed the scene, and placed some preliminary flags indicating fire  
11 travel. MILLER collected the downed power line and raptor guard as evidence. Due  
12 to high winds in the area and continued burning of natural vegetation, a decision  
13 was made to collect the center power line and raptor guard for the preservation of  
14 evidence. MILLER and I left the scene at approximately 5:55 PM, after being  
15 relieved by VCSO Senior Deputy Daniel VANOVER, who remained throughout the  
16 night for scene security. Collected evidence was secured in a locked and  
17 supervised VCFD investigator vehicle. Evidence was transferred to a locked and  
18 secured room at Fire Station 50 in Camarillo, to which only three fire investigators  
19 have access. Evidence was locked in an additional locker within the room, to which  
20 only I had access.

21 On Wednesday, December 6, 2017, at approximately 7:30 AM, CHAPIN arrived  
22 at 12695 Koenigstein Road to relieve VCSO Sergeant LYNCH of his night time  
23 security duties. I contacted CAL FIRE Assistant Chief Eric WATKINS, who was  
24 coordinating the investigation. It was determined MILLER and I would travel to the  
25 reported fire start at Koenigstein Road. SAQUI, HATCH, and VCSO Senior Deputy  
26 Gregg DELAROSA would travel to investigate the THOMAS fire.

27 At approximately 9:00 AM, RUSSELL arrived followed by MILLER and I.  
28 CHAPIN and RUSSELL were briefed on the previous day's findings and the  
29 sequence of events that transpired with relation to the KOENIGSTEIN fire by  
30 MILLER and I. Collectively, we decided to establish ourselves as the IT for the

1 KOENIGSTEIN fire. We continued by evaluating photographs and evidence  
2 taken/collected by MILLER and I on Tuesday, December 5, 2017. The IT  
3 established a systematic plan on how to proceed with the investigation, including but  
4 not limited to, canvassing the area for witnesses, suspects, subjects, processing the  
5 scene adhering to the scientific methodology, and collecting data related to the  
6 incident.

7 The IT started by determining/gathering investigation equipment needed to  
8 process the scene. We established a General Origin Area (GOA) of approximately  
9 150'X150' in size through witness statements, photographs, evidence, and fire  
10 directional indicators. The IT walked the perimeter of the established GOA and  
11 entered an area well outside the established GOA destroyed by advancing fire.  
12 Colored flags were placed at macro and micro indicators/vectors to indicate the  
13 direction of fire travel. We identified fire directional indicators and marked  
14 advancing with red flags, lateral with yellow flags, backing with blue flags, and items  
15 of interest with green flags. We processed the fire scene and observed fire  
16 directional indicators such as, staining, sooting, charring, angle of char, and  
17 protection to determine the fires spread (see photographs P-JB-267 thru P-JB-370).  
18 We walked in a narrow "S" pattern interpreting indicators narrowing the GOA. We  
19 followed the indicators and the definitive "V" pattern back to the heel of the fire. We  
20 utilized our indicators to establish an area approximately 10'x10' in size. The  
21 10'X10' area in size was determined to be the SOA. The SOA was determined to be  
22 the same location MILLER and I determined to be an area of interest and collected  
23 a section of power line to preserve evidence on Tuesday, December 5, 2017. We  
24 evaluated the SOA and narrowed it down to a 4'X4' area, we determined to be the  
25 Ignition Area (IA). The IT produced a sketch of the IA showing fire movement within  
26 the area based on observed fire patterns on micro indicators (*see attachment #25*).

27 Within the IA, the IT observed an exterior landscape light with metal slag  
28 deposits still attached to the top cover of the lamp. We observed a hole in the top  
29 cover of the exterior landscape light. The landscape light in question had not  
30 sustained any significant heat associated with the fire, but appeared to have

1 sustained some type of contact with the center phase wire when it dropped to the  
2 ground. We collected evidence (*E-3 thru E-11*) on Wednesday, December 6, 2017.

3 Evidence was photographed prior to collection and green flagged items of interest  
4 were left in place of the evidence collected. The IT contacted Scott BROWN, SCE  
5 representative for the incident, who was located at the ICP. BROWN advised  
6 another SCE representative would contact the IT. Rick MCCOLLUM, SCE  
7 Investigator, contacted the IT to discuss the reason why the IT contacted SCE. The  
8 conversation with MCCOLLUM was audio recorded, but not in its entirety. Later that  
9 evening, an email was sent to the IT by MCCOLLUM in an attempt to memorialize  
10 the conversation (*see attachment #14*). The IT made a request for the CAL FIRE  
11 LiDAR Team to be at the incident on Thursday, December 7, 2017. RUSSELL  
12 stayed at scene the duration of the night time hours for scene security and resumed  
13 with the IT on Thursday, December 7, 2017.

14 On Thursday, December 7, 2017, the IT continued the investigation by visually  
15 and physically inspecting the IA. The LiDAR Team arrived at the incident and set up  
16 their equipment to complete their assigned task. The IT began processing the IA by  
17 using a metal detector, followed by the utilization of a magnet in the same area.  
18 The IT got several hits with the metal detector observing several pieces of metal and  
19 low voltage wire. While utilizing a magnet, the IT found one piece of metal later  
20 identified as part of the exterior landscape lights inner spring that holds the light bulb  
21 in place. During our visual and physical inspection of the IA, we found pieces of  
22 molten metal, structural fragments from the exterior landscape light, and broken  
23 pieces of glass from the light bulb. Several pieces of evidence were collected, and  
24 like pieces of evidence were packaged together. The IT collected and tagged  
25 evidence (*E-12 thru E-16*). Evidence was photographed prior to collection. The  
26 LiDAR Team finished their assignment and were released by the IT. The IT  
27 photographed the red, yellow, blue, and green flags. The IT removed all directional  
28 indicator flags at the KOENIGSTEIN incident. The IT advised SCE the investigation  
29 had reached the stage of needing SCE'S assistance with further evidence collection.  
30 SCE told the IT they would be at the KOENIGSTEIN incident on Friday, December

1 8, 2017, at approximately 12:00 PM. CAL FIRE Firefighter II Patrick WALKER  
2 arrived at the KOENIGSTEIN incident on Thursday, December 7, 2017, for night  
3 time scene security. WALKER was relieved by CHAPIN on Friday, December 8,  
4 2017, at approximately 7:30 AM.

5 On Friday, December 8, 2017, the IT continued the investigation first by  
6 requesting TAYLOR to video record as she walked the IT through what she heard,  
7 saw and did during the time the KOENIGSTEIN fire started. The request was  
8 granted by TAYLOR, and the IT video and audio recorded TAYLOR'S narration of  
9 events. Additionally, we asked TAYLOR to recreate her first photograph she took  
10 the night of the KOENIGSTEIN fire to the best of her ability from what she believed  
11 to be the same location. The distance from TAYLOR'S balcony to Pole #729566E  
12 was approximately 170'. We obtained the recreated daytime photograph by  
13 TAYLOR after we concluded the interview. At approximately 12:30 PM, SCE arrived  
14 at the KOENIGSTEIN incident with their own LiDAR Team and IT. The California  
15 Public Utilities Commission (CPUC) arrived at the KOENIGSTEIN fire shortly after  
16 SCE. The IT advised CPUC and the SCE Investigation Team not to enter the GOA  
17 of the KOENIGSTEIN fire until we were completed with our investigation and  
18 collection of evidence.

19 At approximately 1:00 PM, the IT allowed the SCE Investigation team and CPUC  
20 to enter the GOA to conduct their preliminary investigation. The SCE team  
21 conducted LiDAR and took photographs of the area and equipment. The IT  
22 provided access for SCE to visually inspect and photograph the downed conductor  
23 and raptor guard (E-1 and E-2).

24 At approximately 4:00 PM, I photographed the hardware and cross arms on Pole  
25 #729566E while elevated in an SCE bucket (see photos P-JB-423 thru P-JB-456).  
26 SCE lineman removed the top of Pole #729566E and lowered it to the ground. The  
27 raptor guard from the center insulator was removed revealing the clamped portion of  
28 the center phase. SCE and CPUC representative all showed interest to the  
29 unknown black material attached to the conductor. Visible on the severed end of  
30 the conductor appeared to be black material spiral wrapped. SCE and CPUC

1 representatives both made comments concerning the foreign object, and that it was  
2 not common practice to have any such material relating to what they were seeing on  
3 the conductor. The IT collected evidence (*E-17 thru E-26*) on Thursday, December  
4 8, 2017.

5 The evidence on Friday, December 8, 2017, was tagged by both SCE and the IT  
6 with independent tracking tags and tracking numbers. Evidence (*E-21 thru E-26*)  
7 was transferred to SCE MCCOLLUM, a property receipt and chain of custody was  
8 completed by the IT and SCE. Additionally, a property receipt was completed by the  
9 IT and TAYLOR for evidence not associated with equipment owned and operated by  
10 SCE. The remaining evidence (*E-1 thru E-20*) was secured and transported in a  
11 locked/marked CAL FIRE vehicle escorted by BERGLAND. A chain of custody was  
12 completed by the IT team and BERGLAND. All evidence collected on the  
13 KOENIGSTEIN fire was transferred to the CAL FIRE evidence locker at Southern  
14 Region Headquarters, 1234 East Shaw Avenue, Fresno, CA 93710, on Saturday,  
15 December 9, 2017 (*see attachment #17 thru #21*).

16 The IT interviewed several witnesses during the course of the investigation of the  
17 KOENIGSTEIN fire. Witnesses TAYLOR, SCHMIDT, BROCK, MAMLOCK, are  
18 residence who live on Koenigstein Road and were in the area the time the  
19 KOENIGSTEIN fire started. The residence gave the IT any/all photos or videos they  
20 took of the KOENIGSTEIN fire and the THOMAS fire. The IT obtained written  
21 witness statements from SCHMIDT, BROCK, and MAMLOCK. The first piece of fire  
22 equipment to arrive at the KOENIGSTEIN fire was VCFD Engine 25 (E25) staffed by  
23 Thomas LANSKI, Bill DEDERICK, and Ian HAYWARD.

24 All witnesses were either audio/video recorded by the IT. The witnesses told the  
25 IT the following in summary: TAYLOR told the IT she drove east from her residence  
26 to a vantage point to see the THOMAS fire. TAYLOR told the IT she was in her  
27 upstairs master bedroom when she heard an "explosion" at approximately 7:30 PM,  
28 and the power went out. TAYLOR told the IT she looked outside her bedroom  
29 window and saw fire near the base of the power pole adjacent to her driveway.  
30 TAYLOR took a photograph of the KOENIGSTEIN fire, packed her kids in the car,



1 and drove down Koenigstein Road. TAYLOR told the IT there was no fire visible on  
2 Koenigstein Road as she traveled downhill toward Highway 150. VCFD E25 was  
3 heading up the road so she turned around to show them the location of the fire in  
4 front of her residence.

5 Kenneth MAMLOCK/Kevin SCHMIDT – MAMLOCK told the IT he went outside  
6 his residence to view the THOMAS fire with his brother-in-law, SCHMIDT. While  
7 looking to the east he heard a “pop” and turned to his left and looked north.  
8 MAMLOCK saw “blue sparks” hitting the ground in front of his neighbor’s (TAYLOR)  
9 house with instant ignition of fire. MAMLOCK saw the fire spread between the  
10 property lines with the wind. SCHMIDT was standing next to MAMLOCK and also  
11 saw the sparks hitting the ground. SCHMIDT estimated the fire was approximately  
12 15’ X 15’ when he first saw flames. After calling 911, SCHMIDT filmed a video of  
13 the KOENIGSTEIN fire progression at its early stages.

14 Earl BROCK told the IT he was observing the THOMAS fire from his backyard,  
15 and took pictures at approximately 6:45 PM. At approximately 7:30 PM, BROCK  
16 heard a “boom” and then the power went out to his residence. BROCK turned to the  
17 west in the direction of the sound and saw flames. BROCK climbed on the roof of  
18 his motorhome and saw a rapidly increasing fire that was approximately the size of  
19 his 2,300 square foot house. BROCK estimated the winds at 60 miles per hour.  
20 BROCK photographed the fire from his vantage point on the motorhome.

21 The fire personnel off E25 from VCFD (LANSKI, DEDERICK, and HAYWARD)  
22 told the IT they were advised to cover VCFD Station 20 as it was uncovered due to  
23 the THOMAS fire. E25 personnel told the IT independently/collectively while  
24 enroute to cover Station 20, they saw flashes of light at the top of Koenigstein Road.  
25 After the flashes, they observed an orange glow in the same area. The decision  
26 was made to continue past Station 20 to investigate. E25 was dispatched prior to  
27 their arrival to what was later identified as the KOENIGSTEIN fire. E25 arrived at  
28 12695 Koenigstein Road and prepositioned the engine facing south and reported  
29 the fire as approximately two to three acres. E25 told the IT they did not observe  
30 any fire on the east side of Koenigstein Road, or any fire south of La Broche Road.

1 E25 told to the IT the KOENIGSTEIN fire was a separate incident and not  
2 associated with the THOMAS fire.

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4 **OPINIONS & CONCLUSIONS:**

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6 The following opinions and conclusions were based on supporting  
7 documentation, supplemental reports, statements made to investigators,  
8 audio/video recordings, CAD reports obtained from dispatch centers, and evidence  
9 found while conducting the origin and cause investigation.

10 There were no railroads or railways in the SOA eliminating railroad equipment as  
11 a cause of the subject fire.

12 Skies were clear with no thunderhead or cloud build-up observed. There was no  
13 evidence located within the SOA consistent with lightning strikes or fire resulting  
14 from a lightning strike. A lightning detection map was printed and confirmed there  
15 was no recent lightning activity in the area. Based upon the weather data, I  
16 eliminated a lightning caused fire (*see attachment #24*).

17 Spontaneous combustion was excluded as a potential cause. No evidence of  
18 mulch or organic material was located within the SOA that had the ability to  
19 spontaneously combust.

20 There are no campgrounds in the area where the SOA is located. The area is  
21 not typically used for camping and did not have campfire rings, campsites, piled  
22 material typically associated with a campfire, or indications of any campfires near  
23 the SOA. The IT eliminated campfire as a potential cause.

24 Ventura County currently had a burn ban in effect which prohibits debris burning.  
25 There were no burn barrels, drums, piles of trash, or signs of burn barrels being  
26 used to conduct debris burning located near the SOA. Additionally, we did not  
27 observe any of the previously mentioned items during a perimeter search of the  
28 area, eliminating debris burning as a potential cause of this fire.

29 Although, the relative humidity was 12 percent, the temperature was 54 degrees  
30 which is too low to support smoking as a cause. During the examination of the fire



1 no cigarette butts or other smoking materials were located or observed. Based  
2 upon the above facts, we eliminated smoking as a potential cause of the fire.

3 There was no evidence of debris consistent with the use of fireworks located  
4 within the SOA, eliminating fireworks as a cause of the subject fire.

5 During the examination of the SOA, we did observe glass shards from a light  
6 bulb, but the fire occurred approximately three hours after sundown. There were no  
7 glass bottles or glasses located within the SOA, eliminating refraction as a potential  
8 cause.

9 Three juveniles live at the residence where the SOA was located, but they were  
10 packing personal items with their mother (TAYLOR) for potential evacuation orders  
11 as a result of the THOMAS fire. There were no toys, forts, or other evidence of  
12 children playing near the SOA. Playing with fire is eliminated as a potential cause of  
13 this fire.

14 There were no reports of anyone engaging in recreational shooting activities prior  
15 to the fire. Recreational shooting is not allowed in the general area or by the owners  
16 of said property. Therefore, we eliminated shooting as a potential cause.

17 There was no indication of equipment use near the SOA prior to fire personnel  
18 arriving to the incident. No signs of grinding, welding or cutting of metal was noted  
19 during the course of the investigation. During the investigation, we examined the  
20 SOA and saw no motorized equipment in the general vicinity. We did not observe  
21 any disturbed soils, or any area where equipment had been used, eliminating  
22 equipment as a fire cause.

23 There was no evidence of items typically associated with an incendiary type fire  
24 located within the SOA. Witnesses did not see any persons or vehicles in the origin  
25 area in and around the time the fire started. Additionally, the inaccessibility to the  
26 location is not consistent with that of a person who commits the crime of arson.  
27 Based upon the above facts and lack of evidence supporting an incendiary caused  
28 fire it was eliminated as a potential cause.

29 The road in the area of the fire is not a highly traveled road. No tracks or signs  
30 of earth disturbance from motorcycles, ATV's or other off road vehicles were

1 present. There was no mention by residence of any vehicles in and or around the  
2 property at the time the fire started. The IT eliminated vehicle/ATV as a potential  
3 cause of the fire.

4 My experience and knowledge of conducting fire investigations, includes  
5 instances where power lines producing heat/sparks in a receptive fuel bed, has the  
6 potential for igniting a low intensity, slow developing incipient fire dependent on  
7 wind. Weather conditions and low fuel moistures contributed to the ignition and  
8 rapid extension of the KOENIGSTEIN fire. An eye witness (TAYLOR) arrived above  
9 the origin area and observed the fire during its initial growth stage.

10 The facts and circumstances revealed during the course of the investigation  
11 indicate the fire was caused by a downed power line arcing in a receptive fuel bed.  
12 The separated end of the conductor was on the ground between two power poles.  
13 The evidence, in addition to witness statements and fire patterns observed, revealed  
14 the power lines owned/operated by SCE contributed to the cause of this fire.

15 Based on my training, knowledge, experience, observations at the fire scene,  
16 consultation with other investigators, and the elimination of other causes through the  
17 scientific methodology, the IT determined the fire occurred when an energized  
18 conductor separated near an insulator on power pole #729566E causing a  
19 separation arc that ejected molten metal particles onto dry vegetation, and the load  
20 side of the separated conductor struck the ground. The KOENIGSTEIN fire burned  
21 downslope in alignment with the wind threatening the cities of Ventura and Ojai.  
22 The general area around the KOENIGSTEIN fire is urban interface surrounded by  
23 mixed wildland.

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Jon G. Bergh 11-18-18  
Signature Date

**Jon G. BERGH**  
**Fire/Arson Investigator**  
**Ventura County Fire Department**

**1 10 – ATTACHMENTS:**

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3 1 – VCFD Incident Detail Report and 911 Audio

4 2 – CHP CAD and 911 Audio

5 3 – Sheriff CAD and 911 Audio

6 4 – NFIRS

7 5 – DINS

8 6 – TAYLOR Photos/Video and Audio Recording

9 7 – SCHMIDT Written Witness Statement and Audio/Video Recording

10 8 – BROCK Written Witness Statement, Photos and Audio/Video Recording

11 9 – MAMLOCK Written Witness Statement and Audio Recording

12 10 – LANSKI, DEDERICK, HAYWARD Audio Recording

13 11 – VCSO Deputies Scene Security Statements for 12-5-2017

14 12 – MCCOLLUM Audio Recording and Email

15 13 – CAL FIRE FFII WALKER Scene Security Statement for 12-7-2017

16 14 – LiDAR

17 15 – WATKINS Email Request for Data from SCE

18 16 – BERGLAND Supplemental Report (LE-71)

19 17 – Evidence Log (LE-75e)

20 18 – SCE Property Report (LE-92)

21 19 – Chain of Custody (LE-76) – SCE MCCOLLUM

22 20 – TAYLOR Property Report (LE-92)

23 21 – Chain of Custody (LE-76) – BERGLAND

24 22 – Local Weather Report (RAWS)

25 23 – Lightning Data Report

26 24 – Ventura County Assessor Parcel Number

27 25 – 4'X4' Ignition Area Sketch

28 26 – CHAPIN Supplemental Report (LE-71)

29 27 – ABC 7 News Article 12/12/2017

30 28 – Koenigstein Maintenance Records, pages 693 – 695



1           29 – Koenigstein Meter Records, pages 1244 – 1245  
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18          46 –  
19          47 –  
20          48 – All Audio, Video and Photograph Data  
21          49 – Case Photographs  
22          50 – Thumbnail Photographs  
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