GBW | OUR METHOD FOR SUCCESS

HOW DID YOU WIN THAT CASE?

\$12 MILLION VERDICT

Keck vs. Bel-Air Bay Club

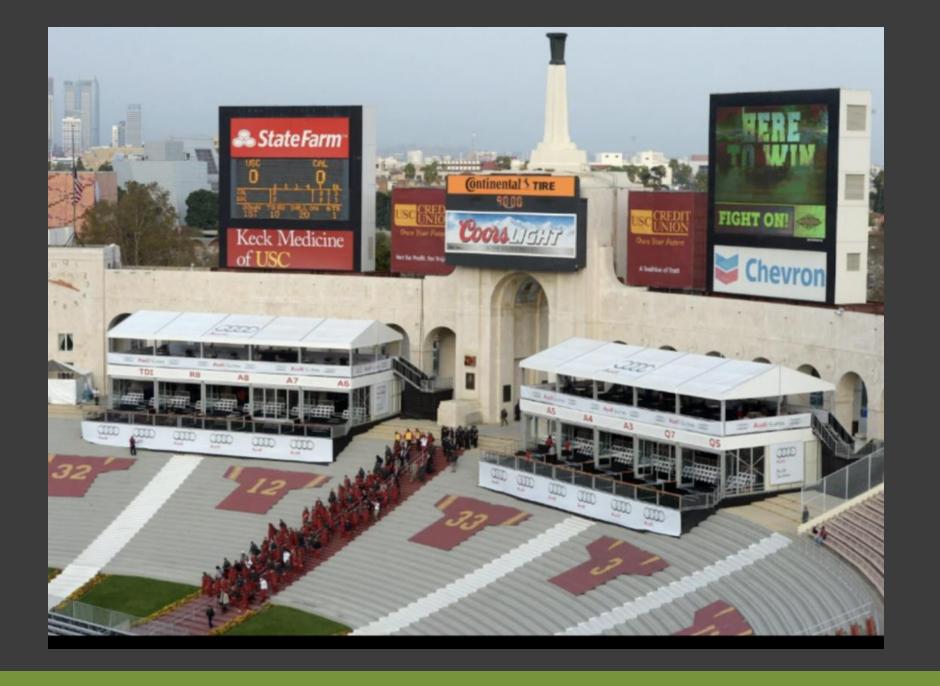
Failure to properly train employees on how to respond to medical emergencies leads to a multimillion-dollar wrongful death verdict





Keck Medical Center of USC Keck Medicine of USC

















The Keck Observatory sits atop Mauna Kea on the Big Island of Hawaii. (Image credit: NASA/JPL)

W. M. KECK FOUNDATION



City of Hope **Columbia University Howard University** John Hopkins University The Mayo Clinic Memorial Sloan-Kettering Cancer Center **Montana State University Northwestern University Princeton University Purdue University** The Salk Institute for Biological **Studies Stanford University Stony Brook University**

Temple University **Texas A&M University Tulane University University of Arizona University of California Berkley University of California Los Angeles University of Colorado Boulder University of Chicago University of Michigan** University of Notre Dame University of Texas at Austin **University of Virginia Vanderbilt University Washington State University**



PRE-TRIAL JURY SELECTION CHALLENGES

- Wealthy Plaintiff
- 74-year-old mom of 48-year-old single son
- No economic damages
- "Tough it out" mentality
- Experiences with heat exhaustion
- Claims that Keck refused a call to 911



WHAT WE LEARNED FROM FOCUS GROUPS

- Defense jurors: People in charge of own health. No need to call 911 if awake.
- Mostly male mentality of "my health is in my hands."
- Men don't see doctor, wait too long, "it's on them."
- Other bad jurors: Minimized prior injuries/cramps
- Women vs. Men



VOIR DIRE QUESTIONS

- Has anyone here been in a situation where you could have called for an ambulance or medical attention, but you chose not to? Thanks for telling me. Why didn't you?
- Has anyone here been in the situation where you called 911 when you might not have needed to? Why did you do that?



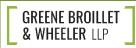
VOIR DIRE QUESTIONS

• Has anyone here been in the situation where someone you felt needed 911 assistance and the person declined?



VOIR DIRE QUESTIONS

Show of hands, who here feels that, when it comes to medical emergencies, it's better to be safe than sorry?



CAUSE CHALLENGES DEALING WITH HOSTILE JURORS MANAGING OUR STRIKES GETTING TO THE JURY



LEGAL ISSUES AND MOTIONS

DUTY TO ACT

- Delgado v. Trax Bar & Grill (2005) 36 Cal.4th 224 and Morris v. De La Torre (2005) 36 Cal.4th 260 that duty includes calling 911 to protect an invitee. The Morris Court found "as a general matter a proprietor's special-relationship-based duty to its patrons or invitees includes an obligation to make [a 911] call, or to take other similar minimal measures." (Id. at p. 277)
- Verdugo v. Target Corp. (2014) 59 Cal.4th 312, 337: Criminal cases "analogous" in helping to answer "the distinct but related question" whether a business has an obligation to come to the aid of an injured patron.



DUTYTOACT

- Timely calling 911 is the minimum
- Standard of Care vs. Burden and Causation



GOOD SAMARITAN

- Cal. Health & Safety Code §1799.102
- (I) It is the intent of the Legislature to encourage other individuals to volunteer, without compensation, to assist others in need during an emergency, while ensuring that those volunteers who provide care or assistance act responsibly.
- (2) Except for those persons specified in subdivision (a), no person who in good faith, and not for compensation, renders emergency medical or nonmedical care or assistance at the scene of an emergency shall be liable for civil damages resulting from any act or omission other than an act or omission constituting gross negligence or willful or wanton misconduct.
 - (c) which reads:
- Nothing in this section shall be construed to change any existing legal duties or obligations, nor does anything in this section in any way affect the provisions in Section 1714.5 of the Civil Code, as proposed to be amended by Senate Bill 39 of the 2009-10 Regular Session of the Legislature. (Emphasis added).



ASSUMPTION OF THE RISK

- Primary (MSJ) vs. Secondary (Comparative fault)
- Typically for sports. Defense tried and failed to make this a sports case.
- "The risks inherent in the sport not only by virtue of the nature of the sport itself, but also by reference to the steps the sponsoring business entity reasonably should be obligated to take in order to minimize the risks without altering the nature of the sport."
- No Primary Assumption of Risk
- Saffro v. Elite Racing, Inc. (2002) 98 Cal.App.4th 173 marathon failure to provide hydration
- Morgan v. Fuji Country USA, Inc. (1995) 34 Cal.App.4th 127 hit by golf ball.



MARIJUANA, ALCOHOL, PRIOR MEDICAL CONDITIONS

- ► Hernandez v. County of Los Angeles (2014) 226 Cal. App. 4th 1599
- ▶ Must have a causal connection
- Expert opinion required

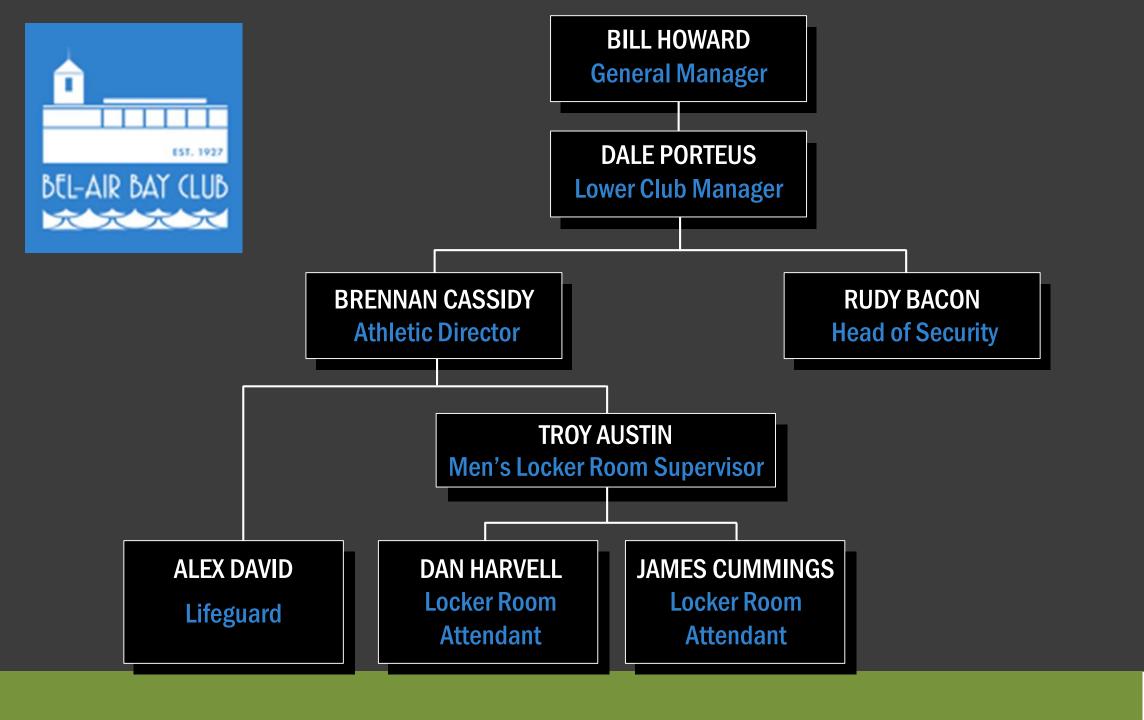


Bel-Air Bay Club Ltd. is responsible for any harm caused by the negligence of any of its employees/agents.



The Value of Safety

Better Safe than Sorry



1:16 PM 4:59 PM

Bel-Air Bay Club Ltd.'s own rules





Emergency Procedures Manual

Exhibit 31-01



Emergency Procedures Manual

Exhibit 31-18

Heat Exhaustion:

Symptoms:

- A. Pale and clammy skin.
- B. Pulse is rapid and weak.
- C. Victim complains of weakness, headache, or nausea.
- D. Victim may have cramps in abdomen or limbs.

Instructions:

- 1. Have victim lie down with his head level to or lower than his or her body.
- 2. Move victim to a cool place, but protect him from chilling.
- 3. Give the victim salt water (1 teaspoon to a quart) if the person is conscious.
- 4. Call a doctor or paramedic.

American Heart Association Training Workbook



FIRST AID CPR AED

Exhibit 32





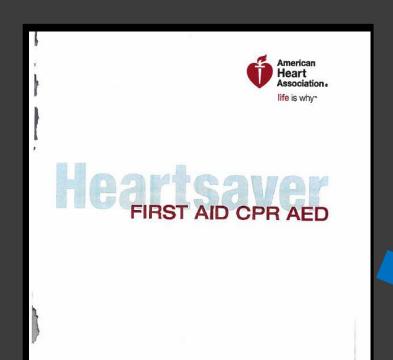
Signs of Heat Cramps

Heat cramps are painful muscle spasms, most often occurring in the calves, arms, stomach muscles, and back.

Signs of heat cramps are

- Muscle cramps
- Sweating
- Headache

Heat cramps are a sign that heat-related problems may continue to get worse if the person doesn't take action.



Actions to Take for Dehydration

If you suspect that a person is dehydrated, contact a healthcare provider right away. The best first aid for dehydration is prevention: make sure a person drinks and eats enough to stay hydrated.





Signs of Heat Exhaustion

A milder condition, such as heat cramps, can quickly turn into heat exhaustion. That's why it's important to recognize and give first aid for heat-related emergencies early.

The signs of heat exhaustion are similar to those of heat stroke:

- Nausea
- Dizziness
- Vomiting
- Muscle cramps
- Feeling faint or fatigued
- Heavy sweating





Actions to Help a Person Who Has Heat Exhaustion

Follow these first aid action steps for heat exhaustion:
Actions to Help a Person Who Has Heat Exhaustion
☐ Get the first aid kit.
☐ Wear PPE.
☐ Phone 9-1-1.
☐ Have the person lie down in a cool place.
☐ Remove as much of the person's clothing as possible.
Cool the person with a cool water spray. If a cool water spray is not available, place cool, damp cloths on the neck, armpits, and groin.
If the person is responsive and can drink, have the person drink something with sugar and electrolytes, such as a sports drink or juice, or water if these aren't available.



When to Phone for Help

Your company may have some instructions about when you should phone the emergency response number (or 9-1-1).

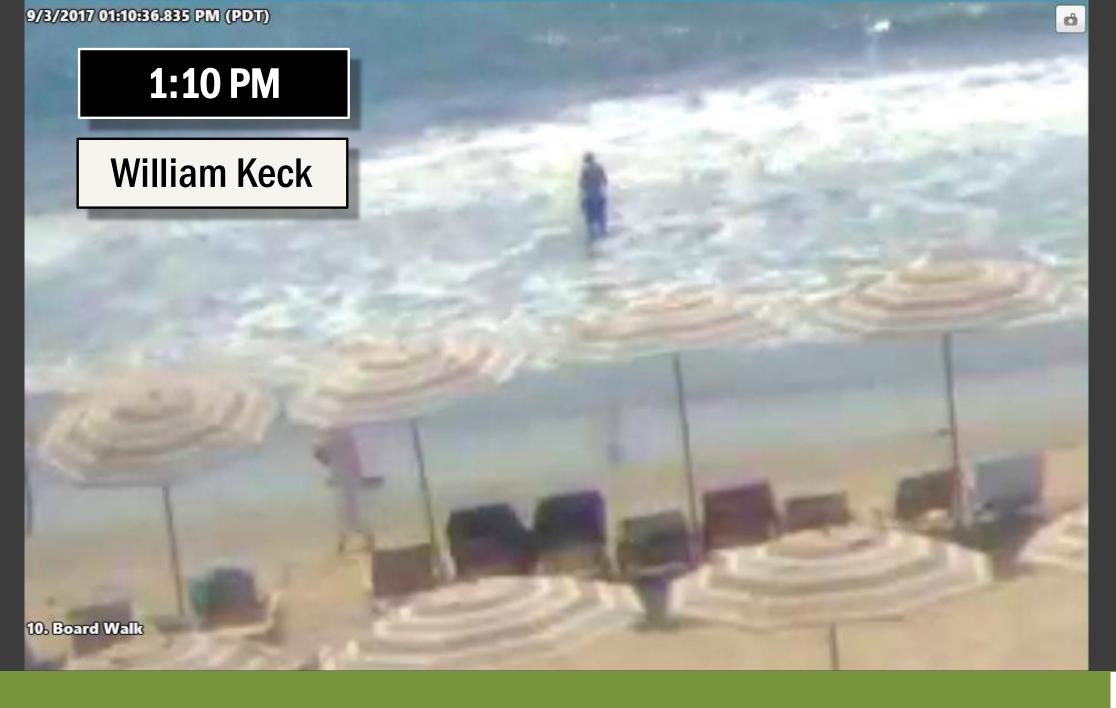
As a general rule, you should phone 9-1-1 and ask for help whenever someone is seriously ill or injured or you are not sure what to do in an emergency.

As a general rule you should phone 9-1-1 and ask for help whenever someone is seriously ill or injured or you are not sure what to do in an emergency.

1:00 PM





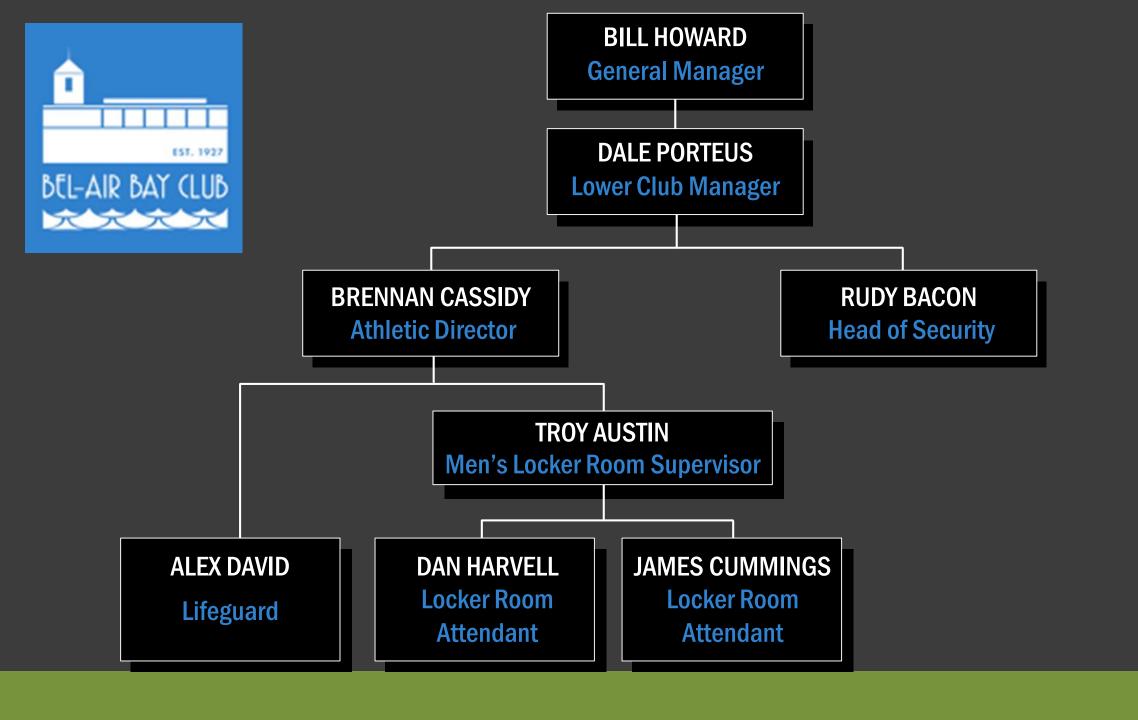


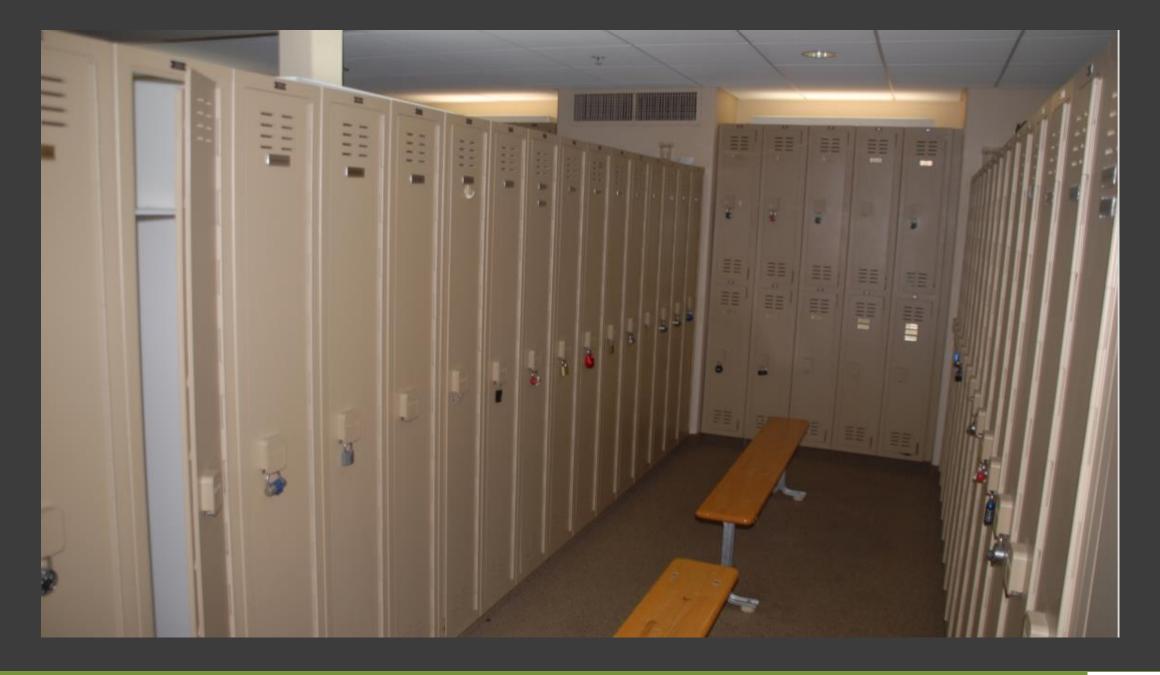




1:30 PM









DAN HARVELL TESTIMONY 11/12/19 Page 104:12-18

12	Q SO YOU FIRST SAW MR. KECK THAT DAY AT ABOUT
13	1:30, 1:45, SOMEWHERE IN THERE; CORRECT?
14	A I BELIEVE THAT IS TRUE.
15	Q AND WHAT YOU SAW WAS HE CAME OVER TO YOU AND
16	TOLD YOU HE WAS CRAMPING AND THAT HE WOULD LIKE YOU TO
17	MASSAGE HIM; CORRECT?
18	A THAT IS CORRECT.

1:30 PM

2:00 PM



1:30 PM 2:00 PM

2:30 PM



DAN HARVELL TESTIMONY

11/12/19 Page 115:2-12

SO WHAT HAPPENED IS -- BECAUSE THE CRAMPS WERE NOT GOING AWAY, EVEN THOUGH YOU WERE MASSAGING HIM -- YOU BEGAN TO BECOME CONCERNED ABOUT WHAT WAS GOING ON; RIGHT? I WAS CONCERNED THAT HIS CRAMPS WERE NOT GOING AWAY FAST. AND, IN FACT, YOU WERE ALSO CONCERNED THAT HIS CRAMPS WERE SPREADING FROM ONE CALF TO THE OTHER 10 CALF TO HIS UPPER LEGS AND NOW TO AT LEAST ONE ARM; RIGHT? YES.

Rule of Thumb

DAN HARVELL TRIAL TESTIMONY 11/12/19 Page 115:13-17

Q ALL OF THESE THINGS GAVE YOU ENOUGH CONCERN

THAT YOU ASKED MR. CUMMINGS, YOUR FELLOW LOCKER ROOM

ATTENDANT, WHETHER HE MIGHT CHECK TO SEE IF ONE OF THE

MEMBER-DOCTORS WOULD COME AND TAKE A LOOK; RIGHT?

THAT'S TRUE.

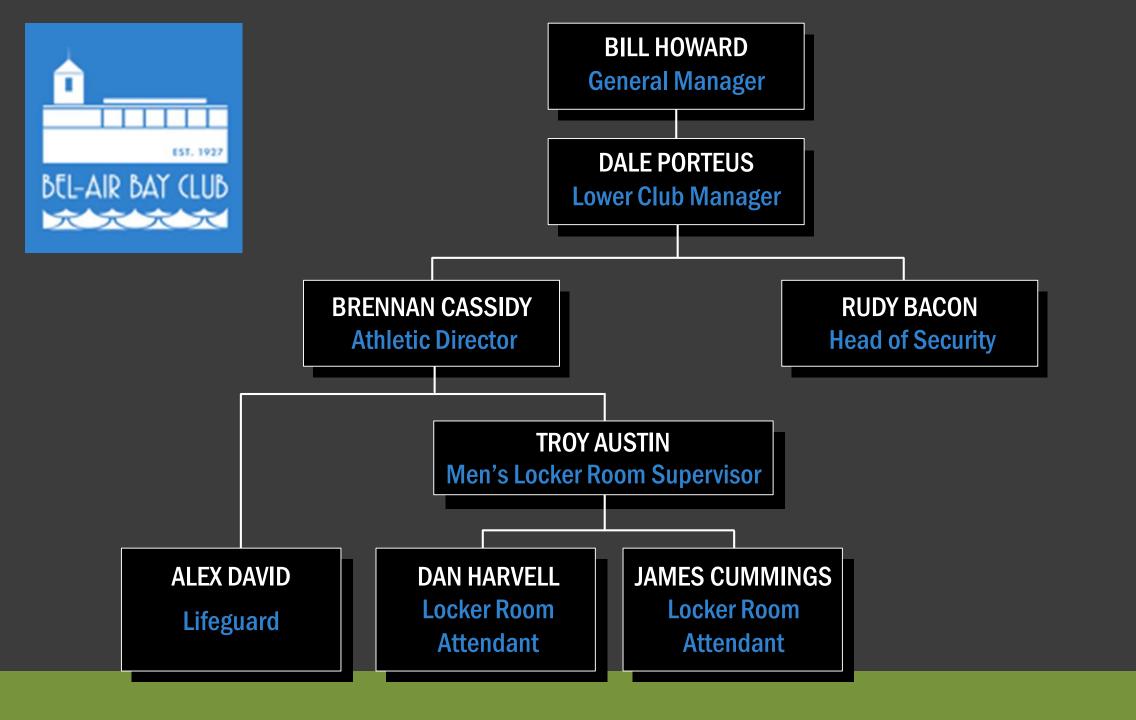


DAN HARVELL TRIAL TESTIMONY

11/12/19 Page 115:18-20

	18	(Q	AND	THA	AT'S	ALSC) ABOU	JT WHI	EN Y	OU CONT	ract:	ED
	19	MR.	PORT	EOUS	TO	LET	HIM	KNOW	WHAT	WAS	GOING	ON;	RIGHT?
2	20	1	A	THAT	r's	RIGH	HT.						





GREENE BROILLET
& WHEELER LLP



11/12/19 Page 67:22-28

22	Q DIDN'T YOU TELL US IN YOUR DEPOSITION THAT
23	YOU TALKED WITH HARVELL ABOUT WHETHER YOU WERE DEALING
24	WITH A SERIOUS CONDITION HERE?
25	A YES, I DO THINK WE HAD A DISCUSSION, SORT OF.
26	Q NOW, WHEN YOU SAID "SERIOUS CONDITION," YOU
27	WERE TALKING ABOUT A SERIOUS MEDICAL CONDITION; RIGHT?
28	A YES, I THINK SO.

11/12/19 Page 101:6-9

Q YEAH, HE APPEARED TO YOU -- THAT'S ALL WE CAN
ASK YOU BECAUSE WE KNOW YOU WEREN'T INSIDE HIS MIND,
BUT TO YOU, HE APPEARED TO BE FATIGUED; RIGHT?
A YES.



11/12/19 Page 60:7-12

```
7 Q YOU DIDN'T JUST SAY "9-1-1" TO HIM. YOU

8 SAID, "MAYBE HE NEEDS TO BE IN A HOSPITAL," DIDN'T

9 YOU?

10 A YEAH, I BELIEVE I SAID SOMETHING ALONG THE

11 LINES OF, I THINK, "DOES HE NEED TO GO TO THE

12 HOSPITAL?" I SHOULD SAY.
```



11/12/19 Page 104:20-23

20	Q YOUR THINKING THAT HE SHOULD GO TO A HOSPITAL
21	WAS BASED ON WHAT YOU WERE LOOKING AT RIGHT IN FRONT
22	OF YOU; RIGHT?
23	A YES.



1:30 PM 2:00 PM 2:30 PM 2:45 PM **3:00 PM**



DAN HARVELL TRIAL TESTIMONY

11/12/19 Page 153:17-22

17	Q OKAY. SO OF ALL OF THE PEOPLE, INCLUDING
18	YOURSELF, WHO WERE IN THE VICINITY WHERE MR. KECK WAS
19	LAYING THAT DAY, DID YOU OVERHEAR ANY OF THE PEOPLE
20	SAY, "MR. KECK, WOULD YOU LIKE US TO MOVE YOU OVER TO
21	MR. CASSIDY'S OFFICE WHERE IT'S AIR-CONDITIONED"?
22	A NO.







Asking to Give First Aid

When you come upon an ill or injured person and the person responds, introduce yourself as a first aid provider before you touch the person. Ask if you may help. Anyone has the right to refuse.

Asking to Give First Aid

- □ When you come upon an ill or injured person and the person responds, introduce yourself as a first aid provider before you touch the person.
- ☐ Ask if you may help.
 - If the person agrees, give first aid.

If the person refuses, phone 9-1-1 and stay with him until help arrives.

 If the person is confused or can't answer, assume the person wants help.

DAN HARVELL TRIAL TESTIMONY

11/12/19 Page 162:10-15

10	Q	SO WHEN THE SUPERIORS CAME IN, DID ANY OF
11	THEM	ASK YOU "HOW LONG HAS THIS BEEN GOING ON?"
12	A	NO.
13	Q	DID YOU VOLUNTEER TO THEM HOW LONG THIS HAD
14	BEEN	GOING ON?
15	A	I DON'T REMEMBER THAT.



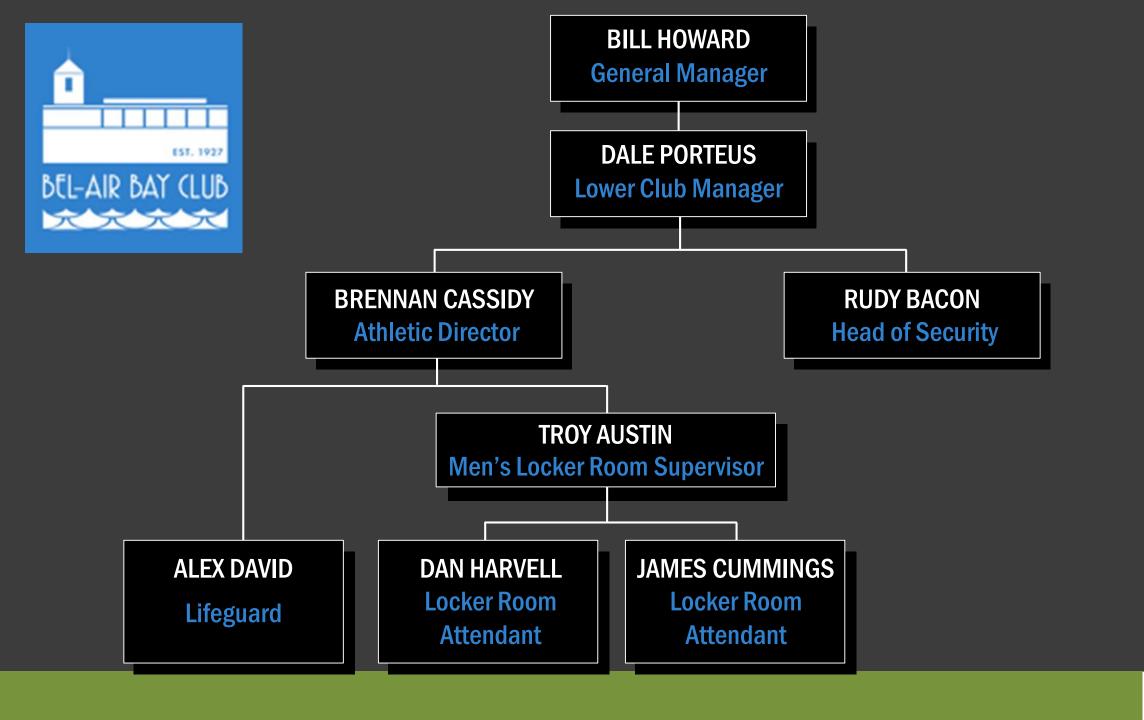


GLEN KOVACS TRIAL TESTIMONY

11/20/19 Page 121:16-19

16	Q	AND Y	OU WAN'	I' TO K	NOW .	HOW	LONG	THE	PERSON	HAS	
17	BEEN IN	THIS	CONDITI	ON; CO	ORREC	CT?					
18	A	THAT	WOULD I	BE ONE	OF '	THE	QUEST	IONS	; HOW	LONG,	
19	WHAT'S	BEEN GO	OING ON	. WHAT	r's T	THE	SITUA'	TION.	y .		







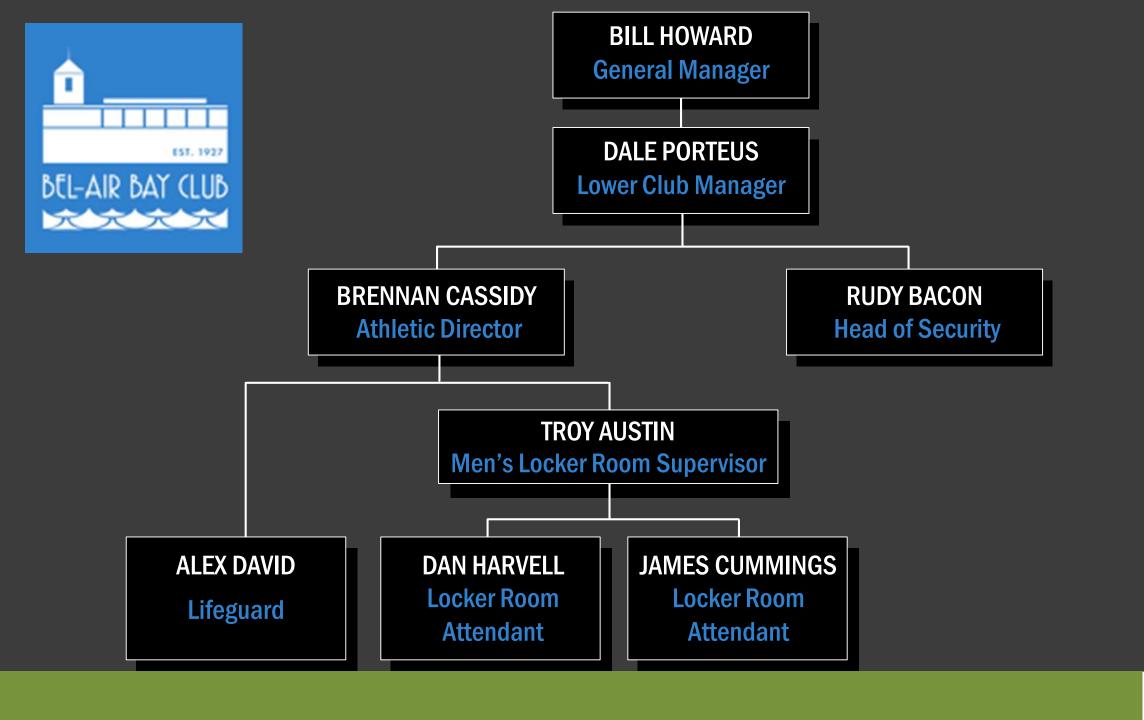
BRENNAN CASSIDY TRIAL TESTIMONY

11/13/19 Page 40:16-18

Q YOU DON'T REMEMBER MR. HARVELL TELLING YOU

THAT HE HAD OFFERED 9-1-1 TO MR. KECK, DO YOU?

A I DON'T REMEMBER.





RUDY BACONTRIAL TESTIMONY

11/13/19 Page 159:17-23

17	Q AND WHEN YOU SAW MR. KECK, WHAT WERE YOU
18	THINKING?
19	A WELL, I I THOUGHT LIKE I ALWAYS THOUGHT
20	WHEN I SAW HIM IN THE LOCKER ROOM. HE WAS LAYING
21	THERE COOLING OUT. THE ONLY THING THAT DREW MY
22	ATTENTION WAS THEY MOVED THE BENCH, AND DAN GAVE HIM A
23	MASSAGE OF HIS CALF.



MEMBER MARK TESTIMONY

11/15/19 Page 23:22-24:1

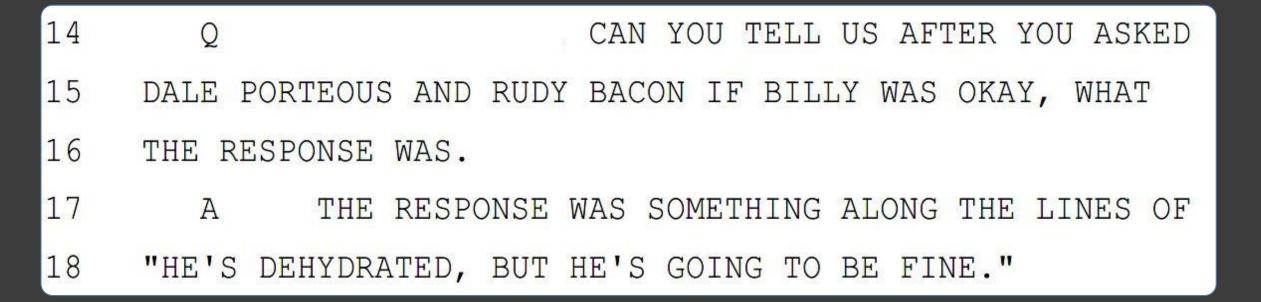
22 CAN YOU DESCRIBE WHAT WAS GOING ON. 23 CAN YOU DESCRIBE WHAT BILLY LOOKED LIKE. 24 SO THE FIRST TIME I WENT, MY GENERAL 25 RECOLLECTION IS THAT HE DIDN'T LOOK GREAT, HE WAS 26 LYING DOWN -- AND THAT THE TWO PEOPLE FROM THE CLUB 27 I THINK THEY HAD SOME LIQUIDS THERE THAT THEY WERE 28 GIVING HIM -- BUT MY GENERAL MEMORY IS WHEN I

CAME THROUGH, HE DIDN'T LOOK GREAT.

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MEMBER MARK TRIAL TESTIMONY

11/15/19 Page 27:14-18





Why is this happening?

Lack of Adequate Training

Lack of Drills

Lack of Communication



1:30 PM 2:00 PM 2:30 PM 2:45 PM 3:00 PM **3:30 PM**





MEMBER DR. K

Page 20:17-21

17	Describe for me what you saw about
18	Mr. Keck.
19	A He appeared in some distress. He was
20	having his legs massaged by the attendant. He was
21	complaining of muscle cramps.

MEMBER DR. K. TESTIMONY

Page 22:17-23:1

Q And why did you go down to the front desk?
A Because I thought the locker room
attendant was in over his head in trying to take
care of Mr. Keck.
Q What about the situation made you think
that the locker room attendant was in over his head?
A Just the level of the of Mr. Keck's
distress. He was flushed. He looked uncomfortable.
Q When you say "flushed," what do you mean?
A Red, sweaty.



GLEN KOVACS TRIAL TESTIMONY

11/20/19 Page 94:5-7

5 BUT IF THEY ARE NOT GIVEN

PERMISSION, AND THEY ARE GETTING WORSE, THE ANSWER

WOULD BE, YES, THEY WOULD WANT TO CALL 9-1-1.



GLEN KOVACS TRIAL TESTIMONY

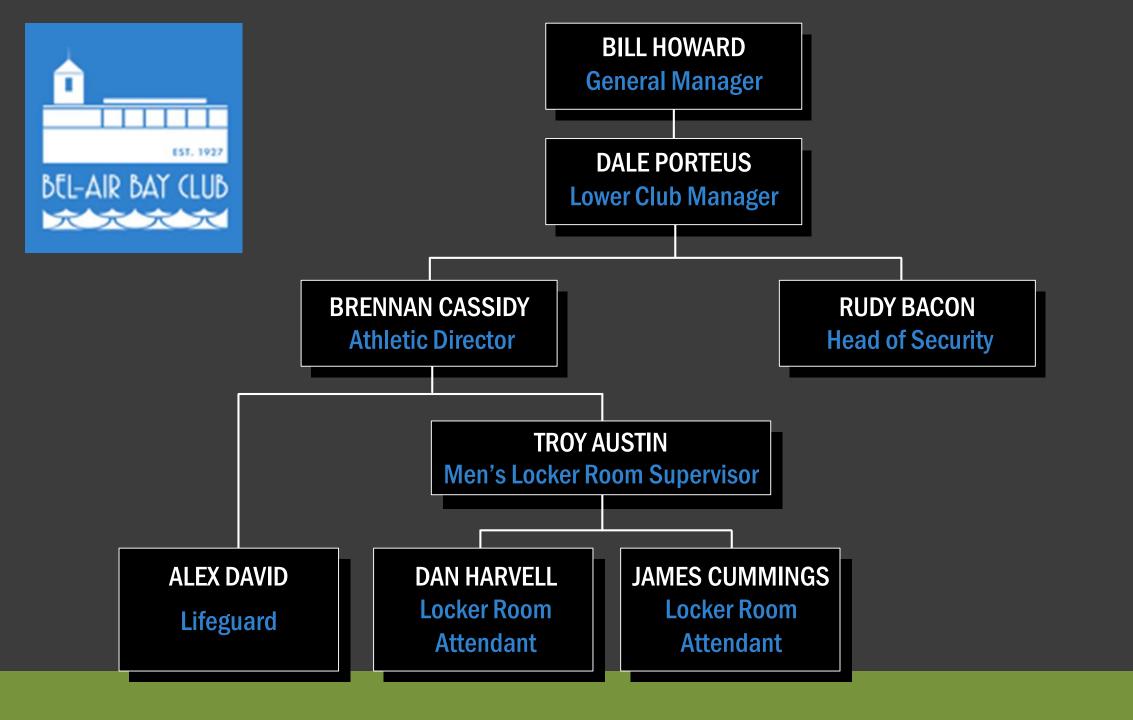
11/20/19 Page 122:23-27

23	Q SO IF THE PERSON, LONG-TERM, IS NOT GETTING
24	BETTER, AND EVEN MORE SO IF THE PERSON IS GETTING
25	WORSE, EVEN IF THEY REFUSE AID, YOU TELL IN YOUR CLASS
26	"CALL 9-1-1 AND LET THEM DEAL WITH IT"; RIGHT?
27	A WHEN IN DOUBT, I WOULD SAY CALL 9-1-1.



1:30 PM 2:00 PM 2:30 PM 2:45 PM 3:00 PM 3:30 PM **3:45 PM**





11/12/19 Page 182 and 183

- Q AND SO WHAT YOU DID WAS A LITTLE BIT BEFORE

 4:00 O'CLOCK, YOU WENT BACK TO SEE MR. KECK A SECOND

 TIME; RIGHT?

 A THAT IS CORRECT.
- 4 Q HE WAS STILL SWEATING; RIGHT?
- 5 A HE WAS STILL SWEATING.



11/13/19 Page 39:15-23

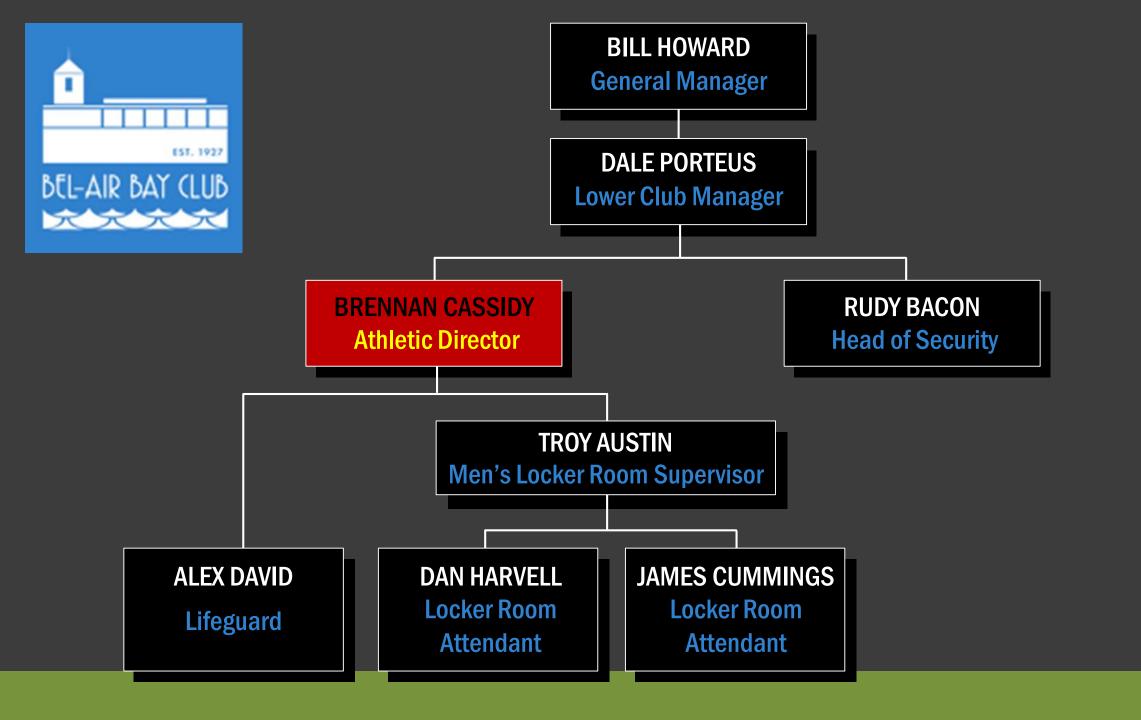
15	"Q. DID IT STRIKE YOU, THOUGH, AS
16	UNUSUAL THAT HE HAD NOT MOVED HIS
17	POSITION IN OVER AN HOUR?
18	"A. YES.
19	"Q. WHY DID IT STRIKE YOU AS
20	UNUSUAL?
21	"A. I WANTED HIM TO BE UP AND
22	MOVING, AT LEAST GET IN THE SHOWER OR
23	COME TO MY OFFICE."



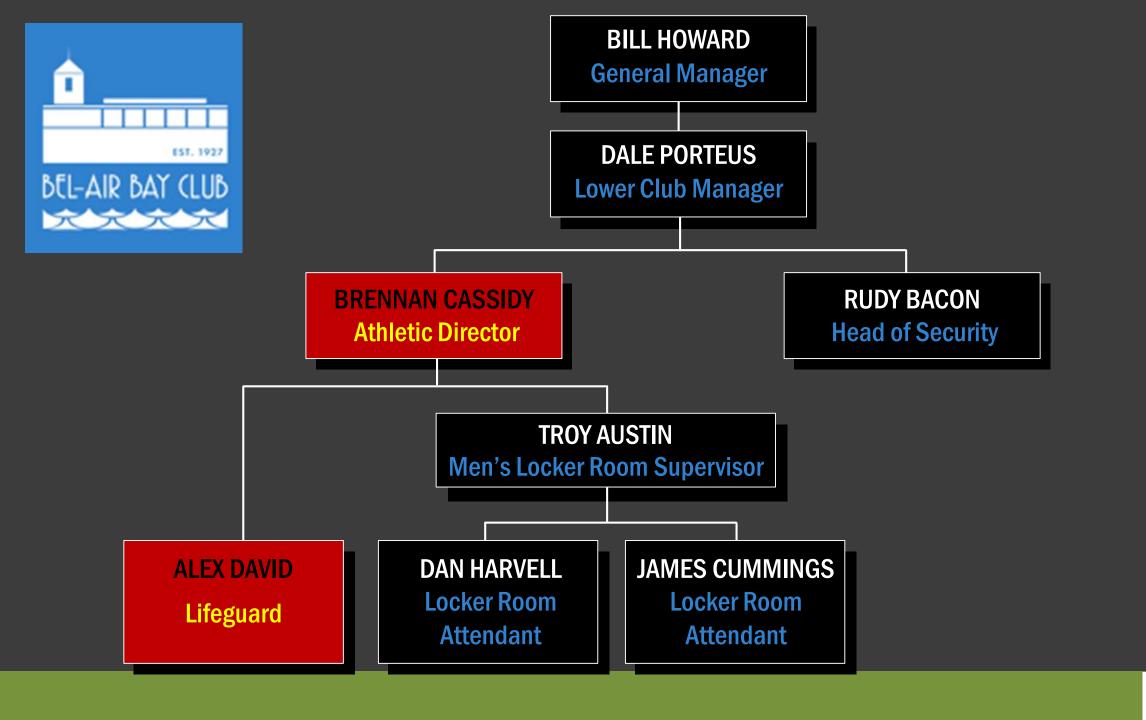
11/13/19 Page 87 and 88

21	Q	BETWEEN THAT FIRST TIME AND THE SECOND TIME
22	THAT YOU	WERE UP THERE, YOU HAD NOT SEEN ANY
23	IMPROVEM	ENT IN MR. KECK'S CONDITION; RIGHT?
12	Q	YOU HAD NOT SEEN ANY IMPROVEMENT; RIGHT?
13	A	CORRECT.
14	Q	AND HE WAS STILL SWEATING; RIGHT?
15	A	I BELIEVE SO.





GREENE BROILLET & WHEELER LLP



11/12/19 Page 185:17-25

```
17
       Q AND MR. DAVID SAID TO YOU, "I'M THE ONLY
18
    LIFEGUARD FOR THIS PARTICULAR POST, AND I CAN'T COME
19
    UP THERE RIGHT NOW." RIGHT?
20
             THAT IS CORRECT.
21
            AND THEN HE SAID TO YOU, "IF YOU ARE
22
    UNCOMFORTABLE AT ALL, CALL 9-1-1." RIGHT?
23
             THAT IS CORRECT.
24
            DID YOU CALL 9-1-1?
25
             NO, I DID NOT.
```



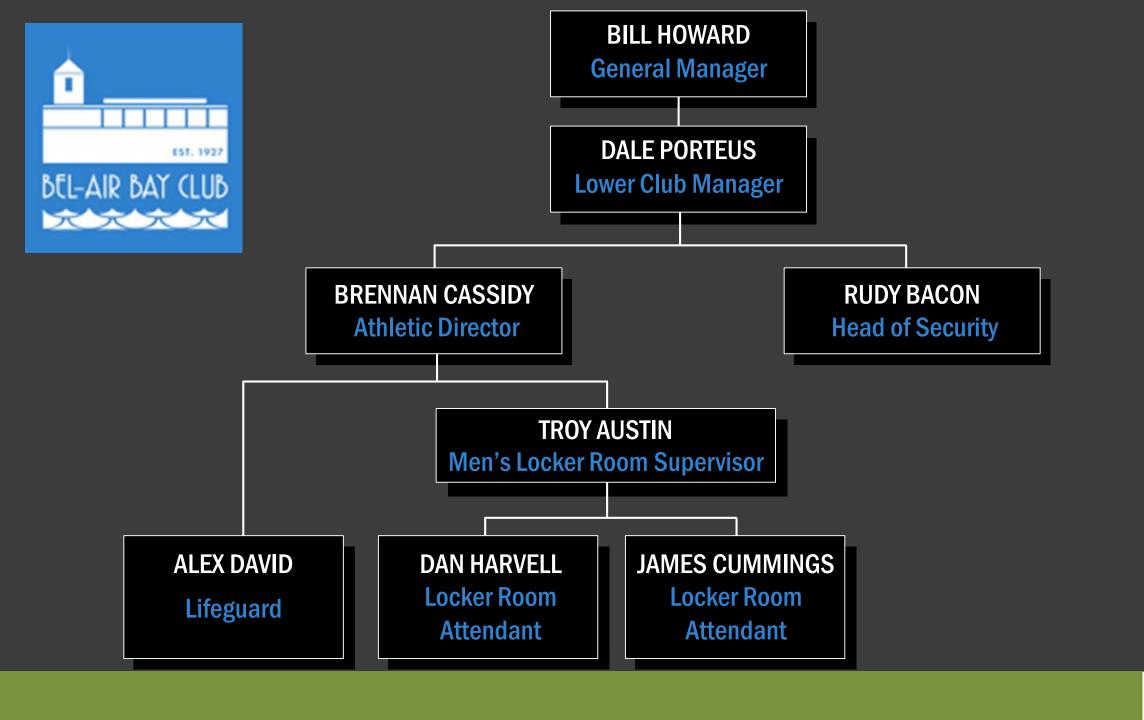
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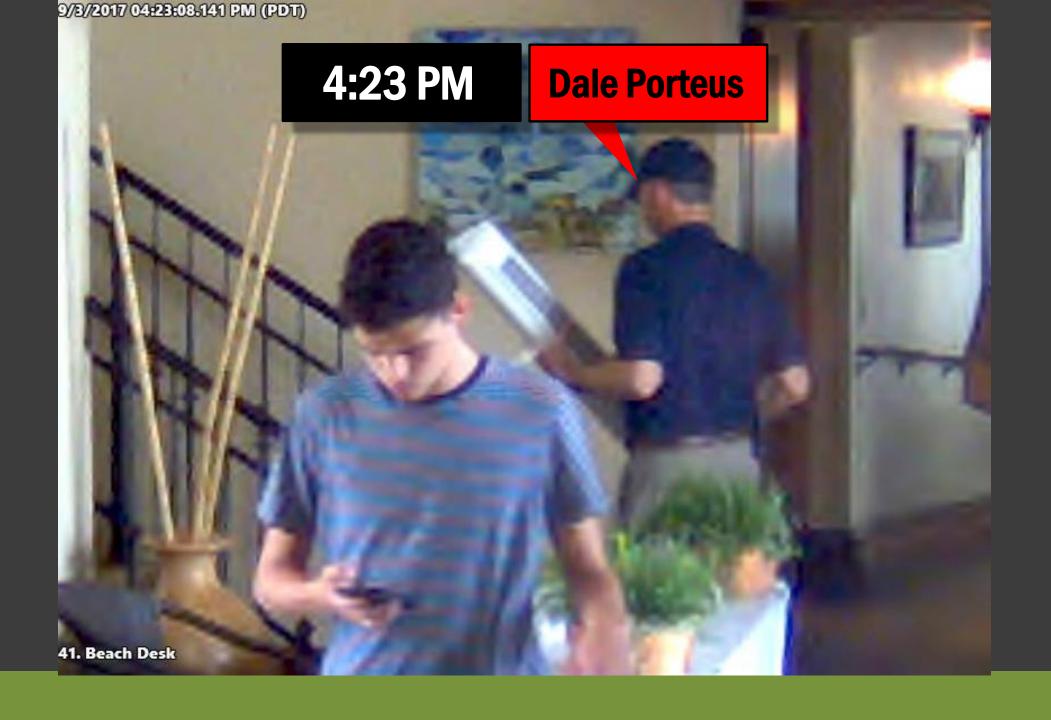


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RUDY BACON TESTIMONY

11/13/19 Page 160:16-20

16	Q AND WHAT DO YOU REMEMBER ABOUT HIS RESPONSE?
17	A MR. KECK WAS ALWAYS LAID BACK. HIS RESPONSE
18	WAS LAID BACK. IN FACT, HE WAS LAYING ON THE FLOOR
19	WITH HIS ARM ABOVE HIS HEAD LIKE HE WAS RELAXING, AND
20	SO HE RESPONDED TO ME IN HIS USUAL WAY.



MEMBER MARK TRIAL TESTIMONY

11/15/19 Page 29:11-20

11 OKAY. DESCRIBE FOR ME THE SITUATION IN THE 12 LOCKER ROOM WHEN YOU SAW BILLY THE SECOND TIME. 13 SO THE SECOND TIME THAT I WENT TO MY LOCKER -- THIS IS LATER IN THE AFTERNOON -- BILLY WAS 14 15 STILL THERE, WHICH I -- I JUST NOTED THAT HE WAS STILL 16 THERE. HE WAS LYING ON HIS SIDE. HE LOOKED OUT OF IT 17 THE SECOND TIME. AND BY THE SECOND TIME, THERE WAS A FAN, KIND OF A LARGE FAN THAT HAD BEEN PUT, KIND OF, 18 19 NEXT -- YOU KNOW, NEAR WHERE RUDY AND DALE AND 20 BILLY KECK WERE.

MEMBER MARK TRIAL TESTIMONY

11/15/19 Page 45:9-15

9	Q	, BETWEEN THE TIME YOU SAW
10	MR. KECK THE	FIRST TIME AND WHEN YOU SAW HIM THE
11	SECOND TIME,	DID MR. KECK'S CONDITION APPEAR TO
12	IMPROVE IN AN	IY WAY?
13	A NO.	I THOUGHT HE LOOKED HE LOOKED WORSE
14	THE SECOND TI	ME. I THOUGHT HE REALLY LOOKED OUT OF IT
15	THE SECOND TI	ME THAT I WAS THERE.



1:30 PM 2:00 PM 2:30 PM 2:45 PM 3:00 PM 3:30 PM 3:45 PM 4:00 PM 4:15 PM

4:30 PM

DAN HARVELL TRIAL TESTIMONY

11/12/19 Page 126:3-7,15-18,27

- 3 AND WHAT YOU DID WAS BECAUSE AT THAT POINT HE WAS STILL SWEATING, YOU PICKED UP A TOWEL AT AROUND 5 4:30 OR SO AND STARTED FANNING MR. KECK TO TRY TO COOL 6 HIM DOWN; RIGHT? THAT IS CORRECT. 15 IT WAS YOUR PERCEPTION, AND THE REASON YOU 16 STARTED FANNING HIM WITH A TOWEL, IT WAS YOUR 17 PERCEPTION THAT FOR THAT WHOLE PERIOD OF TIME, HE 18 NEVER COOLED OFF; RIGHT?
- THE WITNESS: YES.

JAMES CUMMINGS TESTIMONY

11/12/19 Page 100:1-3

- 1 Q BUT THREE AND A HALF TO FOUR HOURS LATER,
- 2 MR. KECK WAS STILL SWEATING, WASN'T HE?
- 3 A YES.



JAMES CUMMINGS TESTIMONY

11/12/19 Page 68:6-11

Q NOW, DID YOU EVER HEAR MR. KECK, WHO HAS NOW
PASSED AWAY, DID YOU EVER HEAR HIM ALL DAY THAT DAY
REFUSE A CALL TO 9-1-1? DID YOU EVER HEAR HIM SAY
THAT?

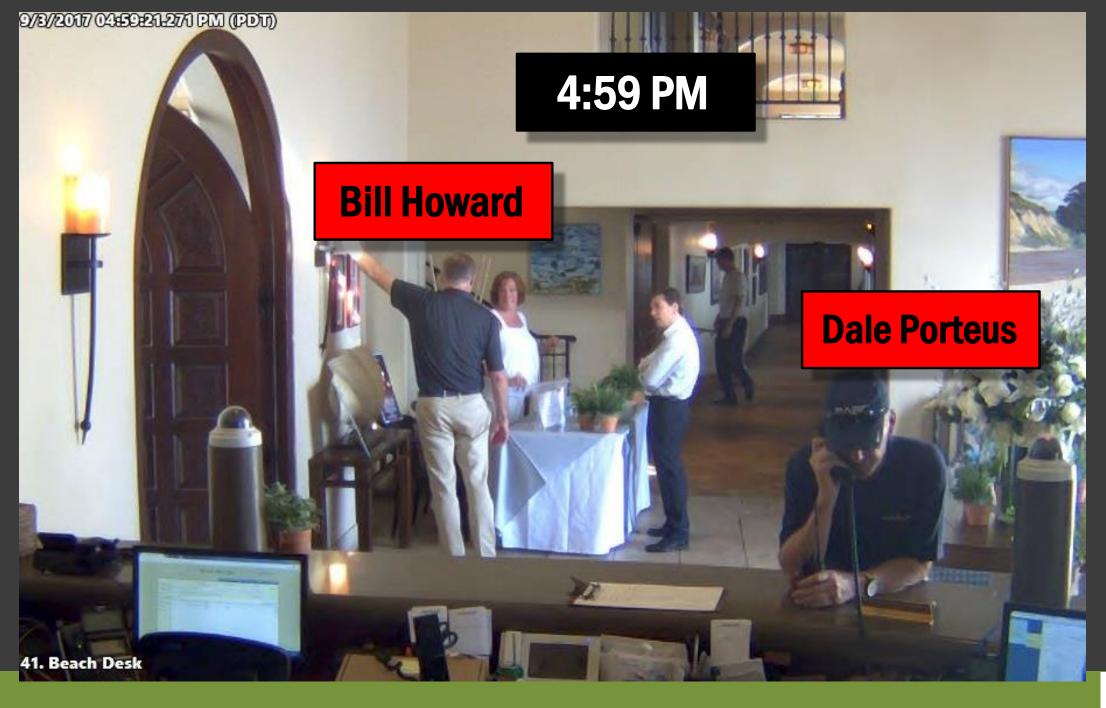
I NEVER PERSONALLY HEARD HIM REFUSE THE 9-1-1
CALL.



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4:59 PM





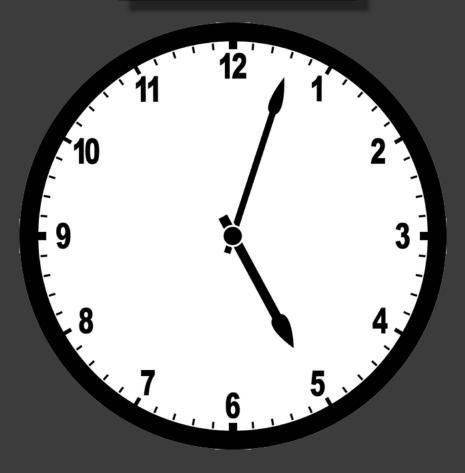


1:16 PM 4:59 PM

4:59 PM

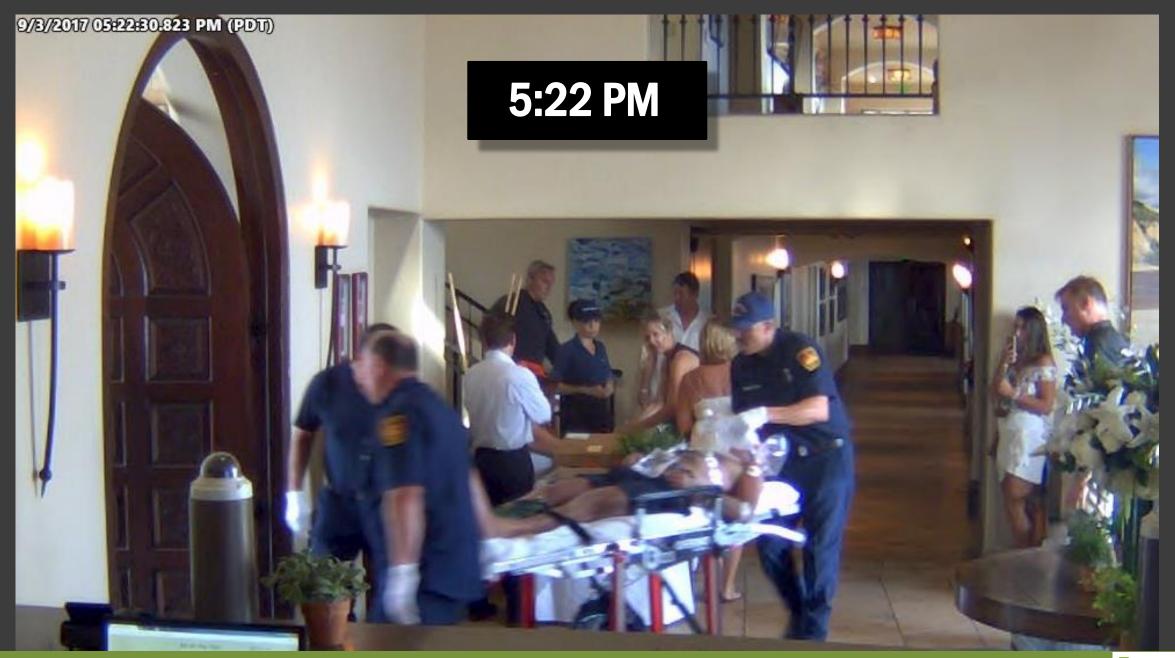


5:03 PM



4 minutes for 911 to arrive





5:34 PM



UCLA Medical Center, Santa Monica

HYPERKALEMIA

ARRHYTHMIA

5:58 PM

PRONOUNCED

COMPARATIVE FAULT

DAMAGES

The Value of Safety







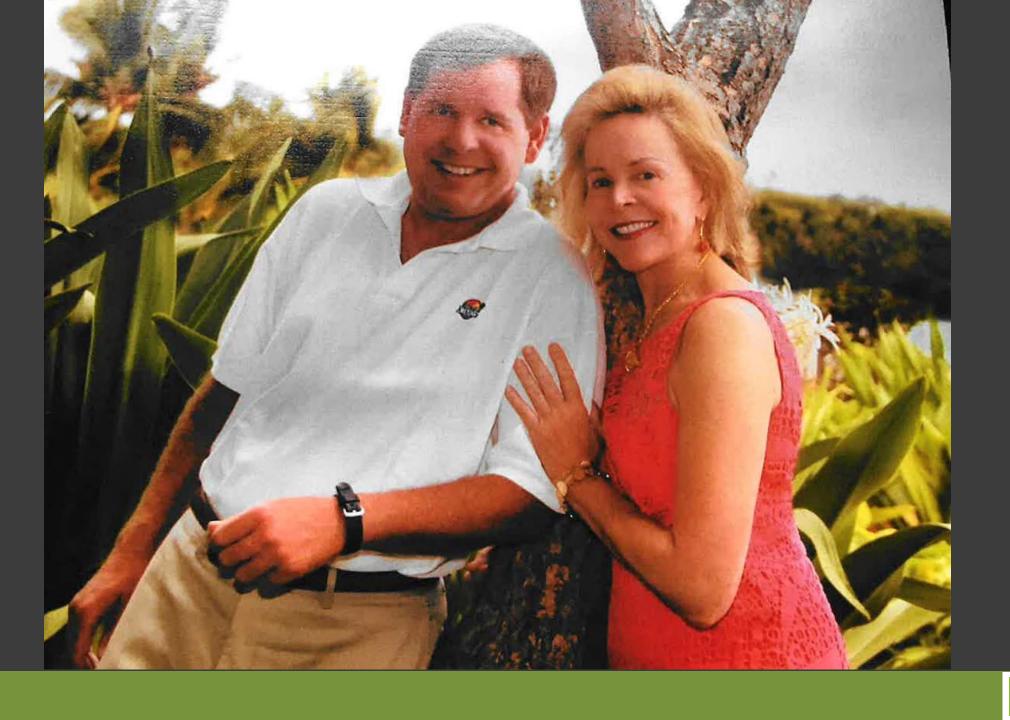




Keck Video



2YEARS PAST 14.5YEARS FUTURE



FINAL DIAGNOSIS

Autopsy Examination
[Items in brackets indicate clinical diagnoses]

- ABNORMAL RESULTS OF POSTMORTEM VITREOUS FLUID ELECTROLYTE ANALYSIS
 - A. ELEVATED POTASSIUM LEVEL: 19 MMOL/L (MEAN EXPECTED VALUE AT 21-24 HOUR POSTMORTEM INTERVAL: 15.75 MMOL/L)
 - [ANTEMORTEM ELECTROCARDIOGRAM SHOWING TALL T-WAVES]
 - [VENTRICULAR ARRHYTHMIA AND CARDIAC ARREST]
 - B. DECREASED SODIUM LEVEL: 126 MMOL/L (NORMAL: 135-150 MMOL/L)
 - C. ELEVATED CREATININE LEVEL: 1.7 MG/DL (NORMAL: 0.6-1.3 MG/DL)
 - D. ELEVATED UREA NITROGEN LEVEL: 30 MG/DL (NORMAL: 8-20 MG/DL)



Patient Name: Keck, William M Patient MRN: 1364262 Case #: AAW-17-00116

Histologic examination of the soleus muscle did not reveal features of rhabdomyolysis.

CLINICO-PATHOLOGIC CORRELATION

The findings of elevated creatinine and urea nitrogen levels in vitreous fluid suggest acute kidney injury. As described in Case Summary, the decedent had participated in a racquetball tournament for 3-4 hours and subsequently did not feel well, requiring rest on the locker room floor for 2 hours at a high ambient temperature. This would lead to dehydration, acute kidney injury and electrolyte imbalances as evidenced by decreased sodium and increased potassium levels in vitreous fluid. A likely explanation for the antemortem tall T-waves and subsequent fatal arrhythmias on electrocardiogram was hyperkalemia, although no antemortem blood chemistry studies were performed. It should be noted that no studies exist to evaluate the relationship between postmortem vitreous fluid potassium levels and electrocardiogram abnormalities to support the explanation.

In addition to acute kidney injury, low sodium levels can be seen in the setting of exercise-induced hyponatremia (EAH). This is a condition seen after sustained physical exertion, such as endurance athletic events. Risk factors for the development of EAH include extreme hot or cold environment, excessive drinking at an excess of 1.5L per hour, use of nonsteroidal antiinflammatory drugs, and pre-exercise overhydration. The underlying pathophysiology is thought to be a combination of several factors: sodium loss via sweating, impaired renal water excretion, excessive oral fluid intake, metabolic water production, and inability to mobilize sodium stores. Clinical manifestations associated with EAH range from no symptoms to weakness, dizziness, headache, and nausea/vomiting, to cerebral edema, altered mental status, seizure, pulmonary edema, coma, and death.¹

Additionally, potassium is rapidly released from muscle during exercise. In a study evaluating the effect of bicycling intensity on potassium balance, a linear relationship was demonstrated between exercise intensity and arterial potassium levels.² Interestingly, a small study measuring potassium levels and evaluating electrocardiogram abnormalities in 6 healthy squash players (prompted by documented sudden deaths and ventricular arrhythmias in squash players in the United Kingdom) found rapid potassium shifts but only sinus tachycardia without ventricular arrhythmias.³

Other significant autopsy findings are the sequelae of hypertensive disease, including cardiomegaly with left ventricular hypertrophy and renal interstitial fibrosis. The findings of focal mottled necrosis of the myocardium demonstrated by tetrazolium chloride staining, focal left lower lobe pulmonary hemorrhage and rib fractures are thought to be secondary changes from resuscitation efforts.

Liver toxicology was positive only for cyclobenzaprine, which is a muscle relaxant. Although a number of side effects can occur, they usually do not need medical attention. The finding of respiratory bronchiolitis in the lungs is usually seen in the setting of cigarette smoking.

In summary, the immediate cause of death was cardiac arrhythmia secondary to exercise-induced hyperkalemia, hyponatremia and acute kidney injury in the setting of hypertensive disease.

REFERENCES

- Rosner MH, Kirven J. Exercise-associated hyponatremia. Clin J Am Soc Nephrol. 2007;2:151–61.
- Vøllestad JI, Sejersted OM, Hallén J. Effect of exercise intensity on potassium balance in muscle and blood of man. The Journal of Physiology. 1994;475:359-68.
- Struthers AD, Quigley C, Brown MJ. Rapid changes in plasma potassium during a game of squash. Clinical Science. 1988;74:397-401.

Exhibit 158-004

Patient Name: Keck, William M

Patient MRN: 1364262

Case #: AAW-17-00116

Histologic examination of the soleus muscle did not reveal features of rhabdomyolysis.

Exhibit 158-004

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DOCTOR FISHBEIN TRIAL TESTIMONY

11/14/19 Page 87:26-88:5

26	A SO THEY TOOK A SAMPLE OF ONE OF THE CALF
27	MUSCLES CALLED THE SOLEUS MUSCLE, IT'S INSIDE OF THE
28	BIGGER ONE, WHICH IS THE GASTROCNEMIUS MUSCLE. THE
1	OTHER THING, IF SOMEONE HAS RHABDOMYOLYSIS, THE MUSCLE
2	HAS PIGMENT IN IT, SORT OF A REDDISH-BROWN PIGMENT.
3	AND THAT PIGMENT GETS IN THE BLOOD, AND YOU CAN SEE IT
4	IN THE KIDNEYS, AND THERE WASN'T ANY PIGMENT IN THE
5	KIDNEYS.

& WHEELER LLP

DOCTOR FISHBEIN TRIAL TESTIMONY

11/14/19 Page 88:6-10

A PERSON'S URINE WILL ACTUALLY CHANGE COLOR
IF THERE'S RHABDOMYOLYSIS, BUT THERE WASN'T ANY
PIGMENT IN THE KIDNEY. THERE WASN'T ANY NECROSIS OR
CELL DEATH OF THE MUSCLE, SO THERE WAS NO EVIDENCE OF
RHABDOMYOLYSIS.



DOCTOR FISHBEIN TRIAL TESTIMONY

11/14/19 Page 88:11-14

11	Q	OKAY.	BUT IF	YOU'R	E DE	ALING	G WITH	
12	RHABDON	MYOLYSIS	ANYWAYS,	GET	HIM	TO A	HOSPITAL,	AND
13	THAT'S	STILL A	REVERSIE	BLE CO	NDIT	ION;	CORRECT?	
14	А	IT'S A	TREATAE	BLE CO	NDIT	ION,	YES.	



SAFETY IS NOT IMPROPER ARGUMENT

- ▶ Delgado v. Trax Bar & Grill, (2005) 36 Cal. 4th 224, 237 stated that it is a, "well established rule that commercial proprietors (because they generally stand in a special relationship with their tenants, patrons, or invitees) are required to maintain land in their possession and control in a reasonably safe condition."
- ► CACI 1001 which sets out the basic standard of care for a landowner states in part that the Defendants must "keep the property in a reasonably safe condition."



CONCLUSION



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