

*The Pride Papers 22-23*

## NOVEMBER ISSUE

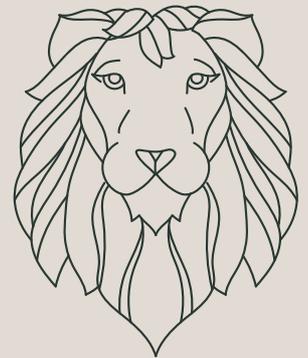
*The Pride Papers 22-23*

### Ebola outbreak in Uganda: How Worried Are Researchers?

**It has already spread to five districts and there are no proven vaccines for this species of the virus.**

At least 64 individuals in Uganda have either been diagnosed with, or are suspected of having, a rare form of the Ebola virus for which there is no cure. The approximate death toll is thirty. Scientists are concerned about the outbreak's likelihood of being difficult to contain given its quick emergence and spread throughout five regions of Uganda.

Daniel Bausch, director of emerging threats and global health security at FIND, the international diagnostics alliance in Geneva, Switzerland, believes that it is unquestionably alarming. "The slope of that curve is pretty sharp," he said.



#### Table of Contents:

- Ebola outbreak in Uganda: How Worried Are Researchers?
- What to read this November? YA Edition
- Marine Algae Blooms and Bioluminescent Oceans: What is Sea Sparkle?
- RAJADAMNERN stadium

KEEP UP WITH OUR MONTHLY ISSUES!

Ebola is a rare and fatal disease, and in previous outbreaks, the mortality rate has varied from 25% to 90%; fever, nausea, headaches, and fatigue are typically the first signs to appear, but the illness can swiftly get worse and result in internal organ damage or even death.



Human cases of Ebola are mostly caused by the Sudan ebolavirus and the Zaire ebolavirus. Between 2013 and 2016, the Zaire ebolavirus spread widely in West Africa, sparking the creation of vaccines and treatments that have since revolutionized the fight against the disease. Similar treatments, however, are still in clinical testing for the Sudan ebolavirus, which is the cause of the current outbreak in Uganda. This species' most recent epidemic took place in Uganda in 2012.



According to Fiona Braka, manager of the emergency response program at the WHO Regional Office for Africa in Brazzaville, Republic of the Congo, the situation is critical. However, she adds, "Ebola is not new to Uganda." The nation has had five prior Ebola epidemics, four of which were brought on by the Sudan variety. The greatest outbreak so far in Uganda had 425 cases and 224 fatalities in 2000.

According to Braka, the nation is therefore familiar with the quick responses required to contain the epidemic. It was only a matter of time before Sudan ebolavirus reappeared, according to Kartik Chandran, a virologist at the Albert Einstein College of Medicine in New York City, despite the fact that it had not been identified as causing a human illness in almost ten years.

He claims, "These viruses are out there, but we don't really know where they live in nature or how they spread to people. Because animals like monkeys and bats may carry the viruses and spread them to people, it has been challenging to stop

Ebola outbreaks." Rarely, the viruses can remain dormant in a person's body for months or even years following an initial infection before resurfacing and disseminating themselves.

Due to the rarity of Sudan ebolavirus outbreaks, researchers have not been able to adequately evaluate vaccine candidates. Three vaccinations have undergone preliminary evaluations to guarantee human safety, but larger studies required to demonstrate their efficacy have not been feasible.

According to Gary Kobinger, an expert in Ebola virology at the University of Texas Medical Branch in Galveston, these should be given priority for hospital staff members, including medical professionals who are working with infected individuals, their direct contacts, and the contacts of those contacts. Even if they are found to be successful, vaccines and antivirals won't stop the spread by themselves. He adds that it will be difficult to generate enough dosages rapidly and then disseminate them widely enough to accomplish that.

The good news, according to Kobinger, is that clinical trials for these novel vaccinations and treatments are being set up at staggering rates. Studies are anticipated to begin this month, which contrasts sharply with the more than eight months it took during the widespread West African outbreak for trials to commence.



*The Wall Street Journal*



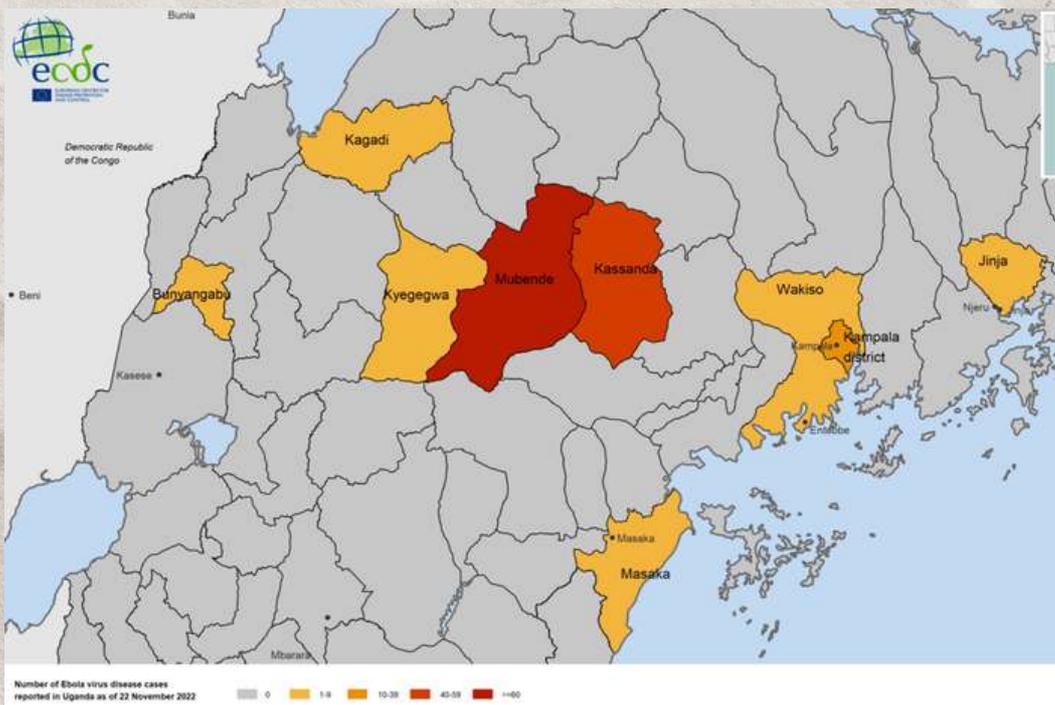
*The Washington Post*





Fortunately, Ugandan health officials are applying what they've learned from earlier outbreaks. Instead of sending every sample to the Uganda Virus Research Institute in Entebbe, Braka says medical staff can diagnose the virus in a sample using a mobile laboratory at Mubende, the outbreak's epicenter, within six hours.

Braka implores nations bordering Uganda to increase Ebola surveillance and have test kits for the virus available for distribution. Other nations are likewise on high alert. On October 6, the US Centers for Disease Control and Prevention said that the country would reroute travelers arriving from Uganda to one of five US airports equipped to conduct viral screenings.



According to Kobinger, the outbreak is currently at a critical juncture. However, he worries that it could "really get out of hand", despite his optimism that containment methods will limit the spread.

Map of Ebola cases in Uganda as of November 22nd.

## What to read this November? YA Edition

*By: Aisha Nurbolat*

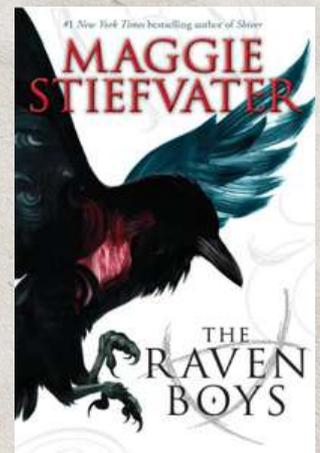
---

Hey guys! I realized it'd been quite a while since I've done a book review and recommendations, and that I really need to talk to you all about my favorite books, so here we go - my top 3 all-time favorite young adult stories for this November! Oh, and NO spoilers ahead, except maybe one - get ready for a long read! :)

---

### ***The Raven Cycle* by Maggie Stiefvater**

This amazing series is composed of four books, which might seem like a lot, but trust me, it will have you obsessed in the best way possible and won't let you go until you finish reading the very last page of the last book. You'll find yourself going back to re-read some of your favorite moments, making a whole Spotify playlist dedicated to them, reminiscing over some fanart online, then finally giving up and re-reading the whole thing again, and... get the point? Because that's exactly what this series did to me, starting from its very first book, *The Raven Boys*.

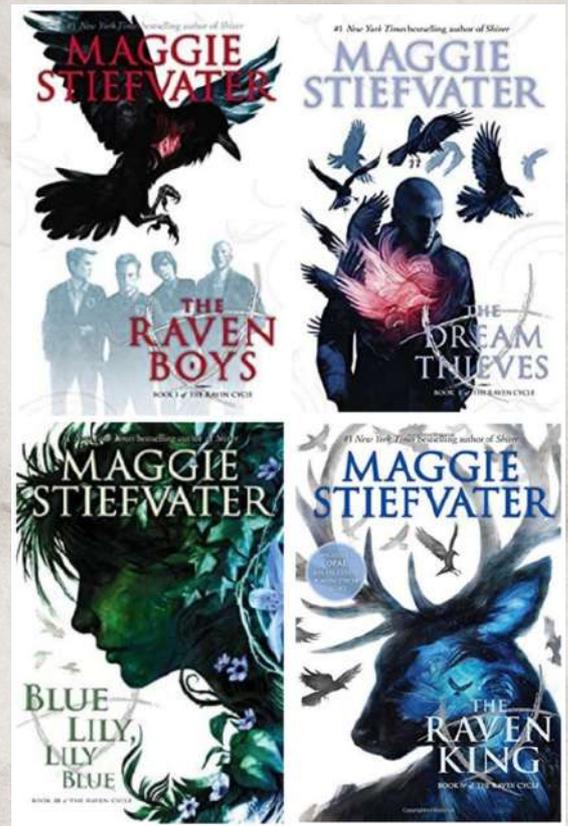


It all begins with the main character, Blue Sargent, who's known from a young age—she will cause her true love to die. She never really cared, though; instead, she just decided not to fall in love at all. But how did she know this? Well, it's simple: Her mom is a psychic, and all her life, Blue has been surrounded by everything spiritual and mysterious, except for herself, who's had nothing to do with anything close to magic. But things change completely when she sees him, the spirit of a boy, at a graveyard where her mom usually talks to the soon-to-be-dead. His name is Gansey, and he is a rich student at Aglionby, an all-boys private school with a raven emblem embroidered on their posh uniforms. A clear sign to stay away, Blue's convinced, but fate has other plans.



Gansey enters her life unexpectedly, bringing a whole group of friends with him, Adam, Ronan, and Noah — each of them so different and unique, they turn Blue's world upside down. So for the first time in a while, with fear creeping from somewhere far and unknown in her soul, she wonders if her life's main and most important prophecy is going to come true. But first things first, there is a mystery to solve and adventures to attend to

This book, no, this entire series is magical. I can't even cover all of its charms in this review, honestly. It is everything any young adult dark academia-ish mystery adventure book wishes to be, and then some. Ghosts, paranormal activities, physics, friendship, Latin, secret paths and old tales, autumn vibes and family ties, and such a unique and interesting romance line, that is so sweet and so precious, that it's just... yeah, magical.



A book perfectly suited for the last Autumn month to really get you in your feels, this is what *The Raven Boys* is. Plus three more books to pass the upcoming winter, too. Do read!

---

### *First & Then* by Emma Mills

If fantasy and paranormal adventures are not your things, this might be just for you! I still remember pulling an all-nighter, crying my eyes out over this book even though there was nothing particularly heart-breaking in its plot, it's just that it was so... beautiful and moving in its simplicity that I completely fell in love.



*First & Then* is a story that I think many of us could relate to, each in a different way. It's about a high school senior, Devon Tennyson, who is trying to figure out things. *Many* things, like her long-time crush on her childhood friend, Cas, who she knows will never see her beyond their friendship. Or her distant cousin, socially awkward freshman Foster, suddenly moving in and becoming part of her family, changing the entire flow of her life and all the drama that comes along.

That drama, including the new transfer student and a football star, Ezra, first appearing in her P.E. class, and then in all the other aspects of her life, suddenly befriendng that exact cousin. Or, maybe, *just maybe*, in the midst of all this chaos, Devon will try to figure out her future - what she wants from life and how will she go on from there.

Oh, and did I mention that this is a modern retelling of *Pride and Prejudice*? Just in case you're an Austen fan, because our main character, Devon, sure is!

This book might seem simple at first, but I loved the topics explored. Just like the previous story, this one wasn't too heavily focused on the romance line, rather exploring the intricate relationships between all the characters as well as their own personal stories and character development. The topics of the found family, sibling relationships, and personal trauma shown through Devon's, Foster's, and Ezra's perspectives were especially touching and heartfelt. The only shortcoming I saw was the quick ending, which felt a bit rushed (I just needed more of this book). But apart from that, everything in it — the Friday night football games, the college planning, the homecoming, each and all of the characters — was beautiful. This book has a special atmosphere that is so perfect for this fall, I totally recommend reading it in these few weeks of November!

---

### ***Every Last Word* by Tamara Ireland Stone**

Finally, this book is something in the middle between *The Raven Cycle* and *First & Then*. Just like the previous story, it is still centered around teenagers, their friendships, love, and development as they navigate the priceless years of high school... but with a turn. The deal is that our main character, Samantha McAllister, or Sam, has Purely-Obsessional OCD. This means that her compulsions come in form of dark racing thoughts that she just can't shove away, no matter how much she tries, always making her second-guess everything, performing small obsessive rituals just to get through the day, and constantly worrying that something bad might happen. Moreover, she needs to do all this while hiding her condition from her lifelong friends, who also happen to be the most popular group in the school. But not everything is so terrible, as help comes in the form of a new friend, Caroline, a girl with a stellar sense of humor and no sense of fashion, suddenly appearing in her life, and introducing her to Poet's Corner.

Turns out that Poet's Corner is this secret hidden room in the school theater where a small but close-knit group of friends ignored by the majority at school meets and... reads poetry. It does sound cheesy, but Sam can't resist being drawn to the club that slowly becomes an important part of her life, a place where she finally feels normal. Until something awful happens turning everything upside down again and making her question her sanity even more.

Since poetry is a big part of this book, there are tons of little poems and verses throughout the story, either in some of the scenes, dialogues, or just added between the chapters. Nevertheless, they all have this bittersweet fall atmosphere, that I just thought would be perfect for a November read! The love story was super sweet, charming, and definitely a bonus, but the whole mental health part of the book was absolutely amazing and so so important. There is also a crazy plot twist near the end that just absolutely blew my mind, but I won't say anything because you just need to experience it on your own. Anyway, I'd say *Every Last Word* is a must-read.



---

Well, this was it for today! If you got this far, thank you SO much! Whichever book you end up reading, I hope you'll love it, and do let me know if you ever want to talk about it when you have time! See you next month ~

---

## Marine Algae Blooms and Bioluminescent Oceans: What is Sea Sparkle?

By: Celia Cordes

The Gulf of Thailand is known for its impressively vibrant and diverse reef life, however, every year, monsoon conditions can turn the blue water into a murky green with large-scale algae blooms. This temporary invader is a microalga called *Noctiluca scintillans*, a dinoflagellate infamous amongst marine scientists around the world. It is most commonly known for its ability to create spectacular bioluminescent waves on beaches, hence its common name, sea sparkle. The function of such luminescence remains unknown and is a mystery to science to this day.

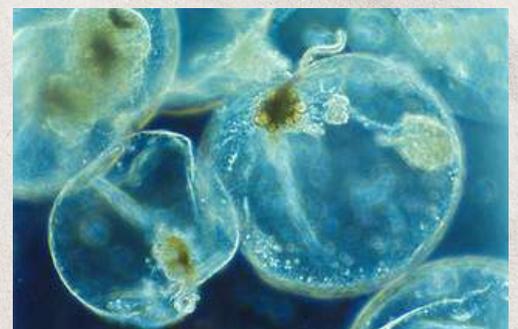
This inflated peach-shaped singular cell has a worm-like tentacle which it uses to capture its prey. There are two varieties of *Noctiluca* across the world; red *Noctiluca* is often the cause of harmful 'red tides'; however, in the Gulf of Thailand and Southeast Asia, we are more likely to find green *Noctiluca*.

The variation in colour is attributed to tiny photosynthetic endosymbionts (symbionts living inside) called *Pedinomonas noctilucae*. As some of you may know, chlorophyll can express itself as different shades of green or red depending on the wavelengths of light that it seeks to absorb. Red *Noctiluca* possesses the red variation of *Pedinomonas noctilucae*, whereas the green *Noctiluca* possesses the symbiont's green counterpart. Due to their mutualistic nature, *Noctiluca* feeds off the photosynthetic product of its symbiont. However, scientists have found that in the absence of light, *Noctiluca* will feed on the *Pedinomonas noctilucae* itself.

*Noctiluca* blooms have been shown time and time again to threaten the health of coral reefs due to their role in creating hypoxic environments which starve the reef of the oxygen required to survive. In recent years, harmful algae blooms such as those of the *Noctiluca* variety have increased in frequency due to global temperature rise and growths of nutrients due to anthropogenic activities. This poses an imminent threat to the viability of our coral reefs and other oxygen-dependent organisms. *Noctiluca* has been known to create cascading negative impacts on the marine food web by eliminating healthy traditional populations of diatoms and aggressively feeding on a variety of soluble nutrients and any available food supply such as fish eggs.



*As we continue to assess the damages that climate change has caused to our marine ecosystems, we begin to uncover more and more threats to our coral reefs. This further solidifies our knowledge that these reefs— that only make up 0.1% of the sea floor— are becoming increasingly vital to the survival of our oceans.*



## Marine Algae Blooms and Bioluminescent Oceans: What is Sea Sparkle?

By: Celia Cordes

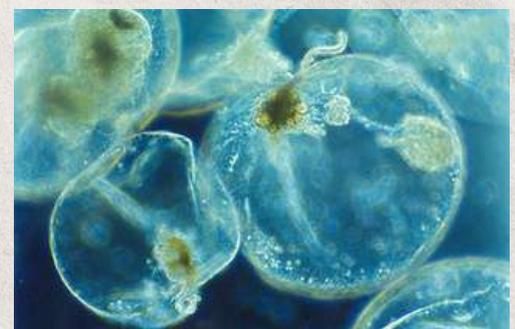
The Gulf of Thailand is known for its impressively vibrant and diverse reef life, however, every year, monsoon conditions can turn the blue water into a murky green with large-scale algae blooms. This temporary invader is a microalga called *Noctiluca scintillans*, a dinoflagellate infamous amongst marine scientists around the world. It is most commonly known for its ability to create spectacular bioluminescent waves on beaches, hence its common name, sea sparkle. The function of such luminescence remains unknown and is a mystery to science to this day.

This inflated peach-shaped singular cell has a worm-like tentacle which it uses to capture its prey. There are two varieties of *Noctiluca* across the world; red *Noctiluca* is often the cause of harmful 'red tides'; however, in the Gulf of Thailand and Southeast Asia, we are more likely to find green *Noctiluca*.

The variation in colour is attributed to tiny photosynthetic endosymbionts (symbionts living inside) called *Pedinomonas noctilucae*. As some of you may know, chlorophyll can express itself as different shades of green or red depending on the wavelengths of light that it seeks to absorb. Red *Noctiluca* possesses the red variation of *Pedinomonas noctilucae*, whereas the green *Noctiluca* possesses the symbiont's green counterpart. Due to their mutualistic nature, *Noctiluca* feeds off the photosynthetic product of its symbiont. However, scientists have found that in the absence of light, *Noctiluca* will feed on the *Pedinomonas noctilucae* itself.

*Noctiluca* blooms have been shown time and time again to threaten the health of coral reefs due to their role in creating hypoxic environments which starve the reef of the oxygen required to survive. In recent years, harmful algae blooms such as those of the *Noctiluca* variety have increased in frequency due to global temperature rise and growths of nutrients due to anthropogenic activities. This poses an imminent threat to the viability of our coral reefs and other oxygen-dependent organisms. *Noctiluca* has been known to create cascading negative impacts on the marine food web by eliminating healthy traditional populations of diatoms and aggressively feeding on a variety of soluble nutrients and any available food supply such as fish eggs.

*As we continue to assess the damages that climate change has caused to our marine ecosystems, we begin to uncover more and more threats to our coral reefs. This further solidifies our knowledge that these reefs- that only make up 0.1% of the sea floor- are becoming increasingly vital to the survival of our oceans.*



---

---

## RAJADAMNERN stadium

By: Nesta Dalphinis

---

---

Rajadamnern Stadium has been operating for 77 years with one goal, and one purpose only: Muay Thai or Thai Boxing.

“Every Boxer needs to fight here. It is the oldest standard boxing stadium in Thailand.”

-C.Prayadsab, Ex Chief Ring Official

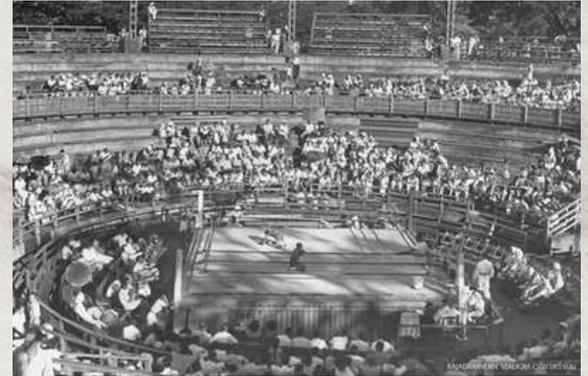
It all began when the previous King of Thailand decided and demanded that a stadium had to be built for the purpose of their country’s traditional form of martial arts. 1945 is the year when the journey of this stadium finally began. Rajadamnern was initially an area that specialized in royal competitions, and from then the competitive aspect of the sport officially began. People started to see this as an opportunity to earn a living and have a job. This led to several families pushing their sons into the competitive sport of Muay Thai during this generation.

“It is every fighter’s dream to come to Bangkok, and become a champion at the Rajadamnern stadium”

The stadium was initially supposed to be built in the Misakawan Garden area, on the corner between Pitsanoloke Road and Rajadamnern Nok Avenue. However, after much consideration, they

determined that this area was too small for the large stadium they were planning to build. Thus, the stadium was officially built on Rajadameberb Nok avenue, at the corner of Penang Road.

The location was not the only thing they had to consider, but also WHO was going to manage this project. That is when they found Imprese Italiane All' Estero-Oriente who in 1941 obtained the construction project and began building. The 258,900 baht project got underway on



March 1 after the foundation stone was set. Due to a paucity of building materials during World War II, the unfinished project had to be put on hold. The boxing stadium proposal was reconsidered later in 1944 by Mr. Puengsoonthorn, who had been promoted to deputy director of the office of the Crown Property. The director, Col. Suwan Phenchon, was presented with the proposal; he received approval and was given the go-ahead to complete the stadium's construction.

August 1945 saw the start of the construction after the war. The national boxing arena was finished in about four months and was ready for its debut match on December 23.

The first stadium manager was Mr. Pramote Puengsoonthorn, who held the position until 1947 when he left his last job as the director of the office of the Crown Property. Mr. Pralart Issarangkura, who was formerly the deputy director of the office of the Crown Property, took over for Mr. Pramote. After serving as stadium manager for two years, Mr. Chalerm Cheosakul took over.

Mr. Chalerm requested to roof the entire stadium after realizing how difficult it would be to organize boxing contests in an open-air stadium. The then-Director of Crown Property M.L. Taweewongse Thawalyasak concurred and tasked Christiani & Nielsen (Thailand) Co., Ltd. with constructing the roof as well as a few extra seats. The standard stadium with all the amenities was finished in 1951. Rajadamnern boxing stadium ran in with a loss for seven years under the Crown Property Office. The office intended to cease operations and made a rental offer to any private company (under the condition that the organization must be owned by Thai).



From an old school, wooden, open-air stadium, Rajadamnern has grown into a high-class boxing stadium with weekly fights occurring at all times and frequent world-class competitions that everyone looks forward to attending. This stadium has grown very high in popularity over the years.

Although improved and modernized with better seats, screens, and spectacular lighting effects, the stadium still maintains the authenticity of the original project and the traditional sense of Muay Thai.

