New discovery finds pirates liked books with their booty

By MARTHA WAGGONER
Associated Press

RALEIGH, N.C. — Dead men tell no tales, but there's new evidence that somebody aboard the pirate Blackbeard's flagship harbored books among the booty.

In an unusual find, researchers have discovered shreds of paper bearing legible printing that somehow survived three centuries underwater on the sunken vessel. And after more than a year of research that ranged as far as Scotland, they managed to identify them as fragments of a book about nautical voyages published in the early 1700s.

Conservators for Blackbeard's ship the Queen Anne's Revenge found the 16 fragments of paper wedged inside the chamber for a breech-loading cannon, with the largest piece being the size of a quarter.

The Queen Anne's Revenge had been a French slave ship when Blackbeard captured it in 1717 and renamed it. The vessel ran aground in Beaufort, in what was then the colony of North Carolina, in June 1718. Volunteers with the Royal Navy killed Blackbeard in Ocracoke Inlet that same year.

North Carolina Department of Natural and Cultural Resources via AP

This undated photo made available by the North Carolina Department of Natural Resources shows a piece of paper from books found on board Blackbeard's ship the Queen Anne's Revenge. To find paper in the 300-year-old shipwreck in warm waters is "almost unheard of," said Erik Farrell, a conservator at the QAR Conservation Lab in Greenville.

Tens of thousands of artifacts have been recovered since Florida-based research firm Intersal Inc. located the shipwreck off the North Carolina coast in 1996 but few, if any, are as surprising as pieces of paper. To find paper in a 300-year-old shipwreck in warm waters is "almost unheard of," said Erik Farrell, a conservator at the QAR Conservation Lab in Greenville.

> "People always assume pirates are ruffians from bad backgrounds, and that wasn't always the case."
>
> **— Kimberly Kenyon,** conservator of Queen Anne's Revenge

Eventually, the conservators determined that the words "south" and "fathom" were in the text, suggesting a maritime or navigational book. But one word, Hilo, stood out because it was both capitalized and in italics, said Kimberly Kenyon, also a conservator at the lab.

They turned to Johanna Green, a specialist in the history of printed text at the University of Glasgow, who pointed them to the Spanish settlement of Ilo — or Hilo — on the coast of Peru. The fragments eventually were determined to be from a 1712 first edition of a book by Capt. Edward Cooke titled "A Voyage to the South Seas, and Round the World, Peform'd in the years 1708, 1709, 1710 and 1711."

It's impossible to say who aboard Blackbeard's ship would have been reading the voyage narrative — a form popular in England in the 17th and 18th century — or whether it belonged to a pirate or some terrified captive. But some pirates were known to be literate, Kenyon said.

For example, Stede Bonnett, the "gentleman pirate" who joined Blackbeard in 1717, had his own library. It's not known if he brought his books on the Queen Anne's Revenge.

A history of pirates written in 1724 mentions a journal belonging to Blackbeard that was taken when he was killed. And when Blackbeard captured a ship called the Margaret in December 1717, the list of items taken from the ship included books, Farrell said.

"They were literate men," Kenyon said. "People always assume pirates are ruffians from bad backgrounds, and that wasn't always the case."

The survival of the paper fragments is perhaps even more unusual than their existence aboard the pirate vessel.

The chamber in which they were found was a separate piece of a breech-loading swivel gun that was likely kept on the top deck because it was used as an anti-personnel weapon, Farrell said. Conservators don't have the cannon itself, which likely was salvaged or stolen when the Queen Anne's Revenge ran aground. In cannons of that period, "wadding" material such as cloth or paper would usually be stuffed behind a cannonball. So it's also possible someone just tore up the book without reading it to use it for firepower.

Conservators had removed a wooden plug from the chamber so they could clean it when they discovered the paper fragments stuffed in there, along with pieces of fabric in May 2016, Farrell said.

That mass was removed easily enough, but prying the fragments from the fabric was more tedious and time-consuming, he said.

The combination of fabric and the plug likely protected the paper, which normally would have disintegrated in water, Farrell said.

Warning: Stifling sneezes can be health hazard in rare cases

AP Photo/Roberto Pfeil, File

According to a case study published Monday, in the journal BMJ Case Reports, doctors in England say stifling a big sneeze can be hazardous for your health in rare cases, based on the very unusual experience of a man who ruptured the back of his throat when he tried to stop a sneeze.

By MARIA CHENG
AP Medical Writer

LONDON — Tempted to stifle a loud or untimely sneeze? Let it out instead, doctors in England warned Monday based on the very unusual case of a man who ruptured the back of his throat when he tried to suppress a sneeze.

In a case study published in the journal BMJ Case Reports, doctors described their initial confusion when the previously healthy man turned up in the emergency room of a Leicester hospital, complaining of swallowing difficulties and "a popping sensation" in his swollen neck.

The 34-year-old patient told them his problems started after he tried to stop a forceful sneeze by pinching his nose and closing his mouth. He eventually lost his voice and spent a week in the hospital.

"When you sneeze, air comes out of you at about 150 miles per hour," said Dr. Anthony Aymat, director for ear, nose and throat services at London's University Hospital Lewisham, who was not involved in the case. "If you retain all that pressure, it could do a lot of damage and you could end up like the Michelin Man with air trapped in your body."

While examining the sneeze-averse patient, doctors in Leicester heard "crackling in the neck" down to his ribcage, a sign that air bubbles had seeped into his chest. Worried about infection and other possible complications, they admitted him to the hospital, gave him a feeding tube and administered antibiotics, according to details published in BMJ Case Reports.

Dr. Zi Yang Jiang, a head and neck surgeon at University of Texas Health Science Center at Houston, said he sees one or two cases arising from repressed sneezes each year, making them an "exceedingly rare" occurrence.

Jiang said it was bizarre that a single sneeze could generate enough force to cause the kind of physical damage that usually results from trauma, such as a gunshot wound to the neck. A collapsed lung is among the problems that retaining the air from an imminent sneeze can cause, he said.

"The whole point of sneezing is to get something out of your body, like viruses and bacteria, so if you stop that, those may end up in the wrong part of the body," he said. Jiang said in most cases, the excess air is later absorbed by the body.

Tuesday Afternoon & Evening — January 16, 2018

			12 PM	12:30	1 PM	1:30	2 PM	2:30	3 PM	3:30	4 PM	4:30	5 PM	5:30	6 PM	6:30	7 PM	7:30	8 PM	8:30	9 PM	9:30	10 PM	10:30	11 PM	11:30
FOX	(11) KFFX	11	Paid Program	Paternity Court	Divorce Court	Paid Program	Judge Mathis		The People's Court		Two and a Half	Mom	Last Man St.	Last Man St.	Modern Family	Modern Family	2 Broke Girls	2 Broke Girls	Lethal Weapon (N)		LA/Vegas (N)	The Mick (N)	First at Ten (N)	:35 Dateline "Deadly Liasons"		:35 Mike & Molly
FOX	KPTV	3	12 O' News (N)		Wendy Williams		The Dr. Oz Show		People's Court		Judy	Judy	News (N)		News (N)		Feud	Feud	Lethal (N)		LA/Vegas	The Mick	News (N)		News	Page Six
CBS	(19) KEPR	2	FunnyAsk	Bold & B.	The Talk (N)		Let's Make a Deal		Dr. Phil		Judge Judy	Judge Judy	News (N)	News (N)	News (N)	Inside Edition	The Big Bang	TheSimpsons	NCIS "Pandora's Box"		NCIS:NewOrleans "Pandora's Box"		Bull "A Business of Favors"		News (N)	:35 Colbert
CBS	KOIN	19	News	B & B	The Talk (N)		The Doctors		Dr. Phil		KOIN 6 News (N)		News	News	News	News	Extra	ET	NCIS		NCIS:NewOrleans		Bull		News	Colbert
NBC	(25) KNDU	6	Naturally, Danny	Paid Program	Days of Our Lives		The Wendy Williams Show		Daily Mail TV	Daily Mail TV	Ellen DeGeneres (N)		News (N)	News (N)	News (N)	Family Feud	Wheel (N)	Jeopardy! (N)	GameGames "Just Keep Spinning" (N)		This Is Us "Clooney" (N)		Chicago Med (N)		News (N)	:35 Tonight
NBC	KGW	8	News	Paid	Days of Our Lives		Portland Today		E.DeGeneres (N)		KGW News (N)		News	News	KGW News (N)		News	InsEd.	GameGames (N)		This Is Us (N)		Chicago Med (N)		News	Tonight
ABC	(42) KVEW	4	The Chew		General Hospital		The Doctors		The Rachael Ray Show		The Dr. Oz Show		News (N)	News (N)	News (N)	News (N)	Ent. Tonight	Extra	Middle (N)	The Boat (N)	Blackish (N)	Modern Family	World "Caught White-Handed" (N)		News (N) /:05 Jimmy Kimmel	
ABC	KATU	5	The Chew		General Hospital		Million?	Million?	Afternoon Live		KATU News (N)		News	News	KATU News (N)		Jeop. (N)	Wheel	Middle	The Boat	Black	Modern	Saves-World (N)		News	Kimmel
PBS	(31) KTNW		Independent Lens "Unrest"			Scheewe Art	Esmonde Tech.	Arthur	Nature Cat	Ready Jet Go!	Wild Kratts	Odd Squad	Arthur	Business (N)	PBS NewsHour (N)		World News	Well Read	Finding/ Roots "Black Like Me"		American Experience (N)		Frontline "Rape on the Night Shift"		Amanpour (N)	News
PBS	(59) OPB	13	Watercolor	Jazzy Veg.	Mexican Table	Steves' Europe	Nature Cat	Cat in the Hat	Ready Jet Go!	Arthur	Odd Squad	Odd Squad	Wild Kratts	Wild Kratts	Ask-Old House	Business (N)	PBS NewsHour (N)		Penelope Keith		American Experience (N)		Frontline "Rape on the Night Shift"		City Rising	

			12 PM	12:30	1 PM	1:30	2 PM	2:30	3 PM	3:30	4 PM	4:30	5 PM	5:30	6 PM	6:30	7 PM	7:30	8 PM	8:30	9 PM	9:30	10 PM	10:30	11 PM	11:30
CABLE	A&E	52	Hoarders		Hoarders		Hoarders		Undercover High		Interve. "Kristie"		Intervention		Intervention		Intervention		Intervention (N)		Intervention (N)		Undercover (N)		60Days / Underco	
CABLE	AMC	60	Movie	★★ Kill Bill: Vol. 2 ('04, Act) Uma Thurman.						★★★★ Dredd ('12, Act) Karl Urban.			★★★ Demolition Man Sylvester Stallone.						★★ Above the Law Steven Seagal.				★★ Under Siege Steven Seagal.			
CABLE	ANPL	24	Pit Bull Parolees		Pit Bull Parolees		River Monsters		River Monsters		River Monsters		River Monsters		River Monsters		River Monsters		River Monsters		River Monsters		To Be Announced		River Monsters	
CABLE	CMT	43	Mom	Mom	Mom	Mom	Last Man	Last Man	Last Man	Last Man	Last Man	Last Man	★★ Knight and Day ('10, Act) Tom Cruise,					★★ Knight and Day ('10, Act) Tom Cruise,					Broken Skull Ch.		Pickler & Ben	
CABLE	CNBC	72	Closing Bell				Fast Money		Mad Money		Shark Tank		Shark Tank		Shark Tank		The Profit (N)		Shark Tank		Shark Tank		The Profit		Paid Program	
CABLE	CNN	68	CNN Newsroom		The Lead		The Situation		The Situation		OutFront		A. Cooper 360		Cuomo (L)		CNN Tonight		CNN Tonight		A. Cooper 360		Cuomo		CNN Tonight	
CABLE	DISC	51	Airplane Repo		Repo "Repo 911"		Tesla's Death Ray		Tesla's Death Ray		Moonshiners		Moonshiners		Moonshiners		Moonshiners (N)		Moonshiners (N)		Moonshiners (N)		Tesla (N)		Moonshiners	
CABLE	DISN	26	Puppy	Elena	Stuffins	Sofia1st	Bunk'd	Jessie	StuckM.	Liv/Mad	Raven's.	StuckM.	Andi M.	Bizaard.	Jessie	Bunk'd	Bunk'd	Raven's.	Underc.	StuckM.	Bizaard.	Bizaard.	Bunk'd	Jessie	Underc.	StuckM.
CABLE	ESPN	33	Jump	SportsNation (L)		Highly?	Horn (N)	Interrupt	SportsCenter (N)		NCAA Basketball (L)				NCAA Basketball Ken./S.C. (L)				SportsCenter (N)		SportsCenter (N)		SportsCenter (N)		SportsCenter (N)	
CABLE	ESPN2	34	ITF Tennis Australian Open				NFL Live		Horn	Interrupt	NCAA Basketball (L)				ITF Tennis Australian Open Men's and Women's Second Round Site: Melbourne Park -- Melbourne, Australia (L)											
CABLE	FNC	66	Shepard Smith		Your World		The Five		Special Report		The Story		Tucker Carlson		Hannity		Ingraham Angle		Fox News		Tucker Carlson		Hannity		Ingraham Angle	
CABLE	FOOD	61	Southern	Southern	Pioneer	Pioneer	Chopped Junior		Chopped		Chopped		Chopped		Chopped		Chopped		Chopped		Chopped		Chopped (N)		Chopped	
CABLE	FREE	32	Reba	Reba	Reba	Reba	Alone	Middle	Middle	Middle	Middle	Middle	Middle	★★★ Finding Nemo ('03, Ani) Albert Brooks.					The Fosters (N)		★★★★★ The Lion King				The 700 Club	
CABLE	FX	65	Mother	Mother	Mother	Mother	Mike&M.	Mike&M.	Dracula Untold Luke Evans.				★★ Battleship ('12, Sci-Fi) Taylor Kitsch.						★★★★★ Star Trek Into Darkness ('13, Sci-Fi) Chris Pine.						★★ Battleship	
CABLE	GOLF	88	Web.com Golf			Golf Central (N)		Web.com Golf Bahamas Great Exuma Classic					Golf Central		CHAMPS Golf				Champs (N)		Golf Central		ChampPreview		PGA Tour	Academy
CABLE	GSN	76	Million?	Million?	The Chase		Feud	Feud	Feud	Feud	Feud	Feud	Feud	Feud	Feud	Feud	Million?	Million?	CashCb	CashCb	Feud	Feud	Feud	Feud	Baggage	Baggage
CABLE	HALL	87	Home and Family				★★★ The Nanny Express								Love on a Limb Ashley Williams.				F.House	F.House	F.House	F.House	F.House	F.House	G. Girls	G. Girls
CABLE	HGTV	62	Fixer Upper		Fixer Upper		Fixer Upper		Fixer Upper		Fixer Upper		Fixer Upper		Fixer Upper		Fixer Upper		Fixer Upper		Fixer Upper (N)		Restor	H.Hunt	.Hunt	House
CABLE	HIST	50	Hangar 1: UFO		Count.	Count.	Count.	Count.	Count.	Count.	Count.	Count.	Count.	Count.	Curse Oak Island		Curse Oak Island		Oak Island (N)		Oak Island (N)		:05 Hunt Hitler (N)		:05 Oak Island	
CABLE	LIFE	29	The First 48		The First 48		The First 48		Grey's Anatomy		Grey's Anatomy		Grey's A. "Desire"		Grey's Anatomy		Married1stSight		Married	Married	Married (N)		This Time (N)		This Time	
CABLE	NICK	27	PAW	Top Wing	Machines	PAW	PAW	Sponge	Sponge	Sponge	Sponge	Loud H.	Loud H.	Loud H.	H.Danger	H.Danger	Paradise	Paradise	F.House	F.House	F.House	F.House	Fresh P.	Fresh P.	Friends	Friends
CABLE	ROOT	37	Paid	Paid	The Dan Patrick Show (N)						NCAA Basketball Clem./UNC (L)				NCAA Basketball Pit./Syr. (L)				DFL Soccer Munich vs Leverkusen				DFL Soccer Hoffenheim vs Bremen			
CABLE	SPIKE	42	Hercules ('14, Adv) Dwayne Johnson.			2½Men	2½Men	2½Men	2½Men	2½Men	2½Men	2½Men	2½Men	2½Men	Friends	Friends	Friends	Friends	Friends	Friends	Ink Master		Ink Master (N)		Live Free or ...	
CABLE	SYFY	67	Gulliver's Tra...		Lake Placid vs. Anaconda				★★★★ Robin Hood ('10, Adv) Russell Crowe.						★★ Spider-Man 3 ('07, Act) Tobey Maguire.						★★ Twister ('96, Act) Bill Paxton, Helen Hunt.					Movie
CABLE	TBS	59	Friends	Friends	Am.Dad	Am.Dad	Am.Dad	Am.Dad	Fam.Guy	Fam.Guy	BigBang	Friends	Friends	Friends	Friends	Friends	Friends	BigBang	BigBang	BigBang	BigBang	BigBang	BigBang	BigBang	Conan (N)	
CABLE	TCM	56	★★★★ Ninotchka		The Iron Petticoat				:45 ★★★★ Silk Stockings Fred Astaire.				★★★★ The Age of Innocence Michelle Pfeiffer.				★★★★★ The Heiress				:45 The Magnificent Ambersons					Movie
CABLE	TLC	49	Hoarding		Hoarding		My 600-lb Life		Family by the Ton		Say Yes	Say Yes	Say Yes	Say Yes	My Big Life (N)		My Big Life (N)		Big Fat Fab. "Big Fat Ambush" (N)				:05 I Am Jazz (N)		:05 Big Fat Fab.	
CABLE	TNT	57	Supernatural		Supernatural		Bones		Bones		Bones		Bones		Bones		Bones		★★★★ Transformers ('07, Act) Megan Fox, Shia LaBeouf.						A Few Good...	
CABLE	UNI	21	Notic.	Hoy	Hoy		Como dice dicho		Simplemente		El gordo y la flaca		Primer impacto		P. Luche	Notic.	Cronicas: Histor		El Rico y Lazaro		Papa a Toda		Caer en Tentacion		Impacto	Noticie.
CABLE	USA	58	SVU "Lowdown"		SVU "Criminal"		SVU "Bound"		SVU "Poison"		SVU "Head"		SVU "Home"		SVU "Careless"		SVU "Sick"		WWE Super Smackdown				Raw 25 (N)		Modern	Modern
CABLE	WE	118	Law & Order		Law&O. "Killerz"		LawOrder "DNR"		Law&O. "Merger"		Law&O. "Justice"		Law & Order		LawOrder "Patsy"		Law & Order		Law & Order		Law & Order		Law & Order: C.I.		Law & Order: C.I.	
CABLE	WGN		Blue Bloods		Blue Bloods		Blue Bloods		Blue Bloods		★★★★ The Departed ('06, Thril) Leonardo DiCaprio.						★★★★ The Departed ('06, Thril) Leonardo DiCaprio.						Rules	Rules	Mother	Mother
PREMIUM	HBO	518	★★ Into the Blue Jessica Alba.				★★ Proof			:45 The Zookeeper's Wife Jessica Chastain.				:55 David Bowie: The L...				News	★★ Semi-Pro Will Ferrell.			Crashing	★★★ Kong: Skull Island		
PREMIUM	HBO2	520	Split	:25 The Fate of the Furious				:45 Wilson Woody Harrelson.				:25 ★★★ The Terminator			:15 In a Valley of Violence				Divorce	The Fate of the Furious Vin Diesel.			Crashing	:20 Hamlet 2	
PREMIUM	HBO3	521	Everything, ...		:55 Why Him?			:50 Fantastic Beasts & Where to Find Them					:10 ★★★★ The Hours Nicole Kidman.				:10 ★★★★ A Monster Calls				Everything, Everything		1stLook	Why Him?	
PREMIUM	MAX	549	★★★★ Do the Right Thing					:05 ★★★★ Mystic River ('03, Psy) Sean Penn.				:25 ★★★★ Lucky You Eric Bana.				Table 19 Anna Kendrick.			★★ The Women Meg Ryan.					:55 Spring Bre...		:20 Next Day...
PREMIUM	SHOW	578	:05 ★★ Young Guns II				★★★★ The Rundown			:45 ★★★★ Tinker, Tailor, Soldier, Spy					The Girl on the Train Emily Blunt.				Shameless		Inside the NFL (N)		The Chi "Alee"		Inside the NFL	
PREMIUM	STARZ	621	Resident Evil: The Final...			:50 ★★ Big Momma's House				★★ Snow Day			:05 ★★★★ Hook ('91, Fant) Robin Williams.					★★ G-Force Bill Nighy.			★★ Legally Blonde			:40 ★★ Shaft	
PREMIUM	STZENC	644	★★★★ Deep Impact			:25 ★★★★ King Kong Jessica Lange.				:45 ★★★★ Clueless			:25 ★★ Star Trek: Insurrection				:10 ★★★★ District 9 Sharlto Copley.				:05 ★★★★ Law Abiding Citizen				:55 Clueless	

Tuesday Late Night & Wednesday Morning

			12 AM	12:30	1 AM	1:30	2 AM	2:30	3 AM	3:30	4 AM	4:30	5 AM	5:30	6 AM	6:30	7 AM	7:30	8 AM	8:30	9 AM	9:30	10 AM	10:30	11 AM	11:30
FOX	(11) KFFX	11	:05 Anger M.	:35 The Game	:05 CR TV Featuring a selection of products and services.								CR TV		AgDay	The Game	Good Day				Paid Program	Ocean Myst.	Steve!		Crime Watch Daily (N)	
FOX	KPTV	3	TMZ Live!		Celebrity Page	2 Broke Girls	2 Broke Girls	King of Queens	Paid Program	Paid Program	This Minute	News (N)	Good Day Oregon at 5 a.m. (N)		Good Day Oregon at 6 a.m. (N)		Good Day Oregon (N)				MORE Good Day Oregon		The 700 Club		The Rachael Ray Show	
CBS	(19) KEPR	2	The Late Show	:35 James Corden Annette Bening (N)		:35 Paid Program	:05 CBS Overnight News					Morning News	News (N)	News (N)	News (N)	News (N)	CBS This Morning (N)				Harry		The Price Is Right		The Young and the Restless	
CBS	KOIN	19	The Late Show	:35 James Corden Annette Bening (N)		:35 KOIN 6 News	:05 CBS Overnight News				Morning News	News (N)	KOIN 6 News at 5 a.m. (N)		KOIN 6 News at 6 a.m. (N)		CBS This Morning (N)				Let's Make a Deal		The Price Is Right		The Young and the Restless	
NBC	(25) KNDU	6	Tonight (N)	:35 Seth Meyers Tracy Letts		:35 Last Call	:05 Today Show		Early Today	Early Today	Early Today	Wake Up Northwest (N)					Today Show Burt Reynolds, Camila Alves (N)				Megyn Kelly Today (N)		Today Dean Cain, Steve Greenberg		Millionaire?	The Voyager
NBC	KGW	8	Tonight (N)	:35 Seth Meyers Tracy Letts		:35 Last Call	:05 Steve!		Early Today	Early Today	Early Today	News (N)	KGW News at Sunrise (N)		KGW News at Sunrise (N)		Today Show Burt Reynolds, Camila Alves (N)				Megyn Kelly Today (N)		Today Dean Cain, Steve Greenberg		Daily Blast (N)	Daily Blast
ABC	(42) KVEW	4	:05 Nightl.	:35 This Minute	:05 ABC World News Now Featuring the morning's top stories and breaking news from around the world.							America Morning	Morning NW (N)	Morning 5:30 (N)	Morning NW (N)	Morning NW (N)	Good Morning America (N)				Live Darren Criss, J.K. Simmons (N)		The View		Paid Program	This Minute
ABC	KATU	5	Jimmy Kimmel	:35 Nightl.	:05 Harry		:05 ABC World News Now				America Morning	News (N)	KATU News This Morning (N)				Good Morning America (N)				AM Northwest		The View		Live Darren Criss, J.K. Simmons (N)	
PBS	(31) KTNW		Wildest Islands		Finding/ Roots "Black Like Me"		American Experience		Frontline "Rape on the Night Shift"		Independent Lens "I Am Not Your Negro"			Our World	StretchEssentric	W.L.-Yoga	O. Squad "World Turned Odd"		Sesame Street	Super WHY!	Dinosaur Train	Peg + Cat	Daniel Tiger	Splash & Bubbles	Curious George	Sit and Be Fit
PBS	(59) OPB	13	PBS NewsHour		Antiques Roadshow		An Oregon Experience "Civil Rights"			Independent Lens "I Am Not Your Negro"			Nightly Business	World News	Power Yoga	Wild Kratts	Nature Cat	Curious George	Curious George	Daniel Tiger	Daniel Tiger	Splash & Bubbles	Sesame Street	Super WHY!	Dinosaur Train	Bob the Builder