ANTHROPOLOGY

Researchers piece together theory on how Lucy died

Pattern of bone fractures suggests she fell from a tree.

By Deborah Netburn

Los Angeles Times

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VILLAGE OF WELLINGTON

It's the coldest case in science, and it may have just been cracked.

Forty years after researchers discovered Lucy, an early human ancestor who lived 3.2 million years ago, scientists think they now know how she died.

After examining high-resolution CT scans of broken bones in Lucy's right shoulder, as well as the damage to other parts of her skeleton, researchers at the University of Texas at Austin propose that the small hominid's life ended shortly after a catastrophic fall from a great height - probably from a tree.

"What we see is a pattern of fractures that are well documented in cases of people who have suffered a severe fall," said John Kappelman, a UT professor of anthropology and geological sciences. "This wouldn't happen if you just fell over."

In a paper published Monday in Nature, Kappelman and his colleagues suggest that Lucy tumbled out of a tree, landed hard on her feet and then pitched forward, extending her arms straight out in front of her in a desperate attempt to break her fall.

The force of the impact of her hands hitting the ground is likely responsible for the debilitating compression fracture in her shoulder, the authors write. But the fall also caused several bones in her body to break and probably lead to severe organ damage. Death would have followed swiftly.

If their hypothesis is correct, Lucy was likely conscious in the last few moments before she died. "She did exactly what we

would do," Kappelman said. "She was trying to save her

Lucy was discovered in 1974 link between modern humans



Part of what makes Lucy so important is her mix of features. She had short legs and long arms like a chimpanzee, but her wide pelvis indicates that she walked upright. The combination suggests her species may be a link between modern humans and our tree-living ancestors. AP 2007

by paleoanthropologist Donald Johanson in the Hadar area of central Ethiopia. Johanson and his colleagues named the fossil after the Beatles song "Lucy in the Sky with Diamonds" because it was playing over and over again at their camp the night she was found.

Part of what made the Lucy find so important was her unusual mix of features. She had relatively short legs and long arms like a chimpanzee, but her wide pelvis indicated that she walked upright. This combination of traits suggests her species, Australopithecus afarensis, may have been a and our tree-living ancestors.

Lucy was much smaller than modern humans. Although she was probably a full grown adult at the time of her death, she stood just 3 feet 6 inches tall, and weighed about 60 pounds – about the size of a first-grader.

Her fossilized remains have been studied by dozens of scientists, but this is the first study to hypothesize how she met her end. Kappelman said that's because for the most part, ancient bones do not reveal how an animal died.

"Despite what you see on shows like "CSI," skeletons only rarely preserve evidence break a fall.

identified below:

TOWN OF PALM BEACH

NOTICE OF ZONING TEXT

CHANGES TO THE CODE

OF ORDINANCES

The Town of Palm Beach Town Council, as the Local Planning Agency

and as the Town Council, proposes to adopt the following Ordinance

amending Chapter 134, Zoning, in the Code of Ordinances as

ORDINANCE NO. 16-2016

BEACH, PALM BEACH COUNTY, FLORIDA, AMENDING THE TOWN

CODE OF ORDINANCES AT CHAPTER 134, ZONING AS FOLLOWS:

SECTION 134-893, LOT, YARD AND AREA REQUIREMENTS BY

CREATING ALTERNATIVE ZONING REGULATIONS THAT COULD BE

USED FOR SEAVIEW AVENUE, SEASPRAY AVENUE AND SEABREEZE

AVENUE IN THE R-B ZONING DISTRICT; SECTIONS 134-1113,

134-1163, 134-1213 AND 134-1308 BY EXEMPTING SUB-BASEMENTS FROM THE MAXIMUM BUILDING LENGTH

REQUIREMENTS IN THE C-TS, C-WA, C-OPI AND C-B COMMERCIAL

ZONING DISTRICTS; SECTION 134-1611 BY CREATING SEPARATE

ZONING REGULATIONS FOR LOT COVERAGE, SETBACKS AND

LANDSCAPE OPEN SPACE REQUIREMENTS FOR SUB-BASEMENTS IN

THE C-TS, C-WA, C-OPI AND C-B COMMERCIAL ZONING DISTRICTS;

SECTION 134-1516 BY PROVIDING LANDSCAPE SCREENING

REGULATION FOR BOXES HOUSING ESSENTIAL SERVICES; AND

SECTION 134-2327 BY ELIMINATING A SPECIFIC FEE FOR VISITOR/ SERVICE PERMITS; PROVIDING FOR SEVERABILITY; PROVIDING

FOR REPEAL OF ORDINANCES IN CONFLICT; PROVIDING FOR

On Wednesday, September 14, 2016, at 9:30 a.m., the Town

Council, as the Town of Palm Beach Local Planning Agency (LPA), will

hold a public hearing to consider and make a recommendation on

proposed Ordinance No. 16-2016, as identified above. The meeting will occur in the Town Council Chambers located on the second floor

Immediately following that Local Planning Agency meeting, the Town

Council will hold its regularly scheduled meeting, to among other items

on the agenda, have first reading and public hearing on proposed Ordinance No. 16-2016. That meeting will be in the Town Council

Chambers on the second floor of Town Hall, 360 South County Road,

The second reading and public hearing on the final adoption of

proposed Ordinance No. 16-2016, if approved on first reading, will

be held by the Town Council of the Town of Palm Beach at its regularly

scheduled meeting on Thursday, October 13, 2016, sometime after 9:30 A.M., in the Town Council Chamber on the second floor of

Persons interested in this subject, which is to be considered at the

above referenced hearings, may view a copy of the proposed

Ordinance in the Planning, Zoning and Building Department in Town

Hall, east entrance, 360 South County Road, Palm Beach between

the hours of 8:30 a.m. to 4:30 p.m. during normal business days,

excluding Town recognized Holidays. If you have any questions, you

may contact Paul Castro, Zoning Administrator, at 227-6406. In

addition, interested parties may have an opportunity to be heard at

said hearings in accordance with the procedures of the Local Planning

Agency and Town Council. Said hearings may adjourn from day to

day in order to consider all matters relating to the aforesaid subject to

If any person decides to appeal any recommendation by the Local Planning Agency or decision made by the Town Council, with respect to

any matter considered at these hearings, he or she will need a record of

the proceedings, and for such purpose he or she may need to ensure that

a verbatim record of the proceedings is made, which record includes

the testimony and evidence upon which the appeal is to be based.

PLEASE GOVERN YOURSELVES ACCORDINGLY.

Town Hall, 360 South County Road, Palm Beach, Florida.

of Town Hall, 360 South County Road, Palm Beach, Florida.

CODIFICATION; PROVIDING AN EFFECTIVE DATE

Palm Beach, Florida.

be considered at said hearings.

AN ORDINANCE OF THE TOWN COUNCIL OF THE TOWN OF PALM

of death," he said. "If we didn't see those arms sticking out, the argument we make might not be so powerful."

Kappelman's research into Lucy's demise began in 2008, when the Ethiopian government granted him 10 days to scan the preserved parts of her skeleton at the high-resolution CT lab at the University of Texas.

Previous attempts to peer into the interior of Lucy's bones in the late 1970s had failed because CT scanners at that time were not powerful enough.

"Lucy is a fully mineralized fossil, so she's like a rock, and the problem with lower energy CT is that they can't see through rock," Kappelman said. "Up until 2008, we had had no data at all on the internal structure of her bones. She was radiographically opaque.'

It was while he was scanning her right humerus, the upper arm bone, that Kappelman realized the fractures on the end of the bone closest to the shoulder were unlike anything he'd seen in other fossils.

Bone by bone, paleoanthropologist John Kappelman pieced together the life and death of Lucy, the most famous fossil of a human ancestor. He concluded that she probably died from injuries suffered in a fall from a tall tree, suggesting that she foraged or nested in trees.

Ancient fossils often break apart due to geological forces. For example, breaks could be caused by the tremendous pressure of rock that can build up on fossils over

Perhaps they injury instead.

Over time, Kappelman showed his cast of the humerus to eight different orthopedic surgeons. All of them said it looked like a fourpart proximal humerus fracture that occurs when a person puts out their hands to

Series of fixes

proposed for Obamacare

Administration gets one of its last chances to tinker with law.

HEALTH CARE



President Barack Obama looks to solidify health law

By Ricardo Alonzo-Zaldivar Associated Press

last chances to tinker with the president's signature health care law, the Obama administration Monday proposed a series of fixes and adjustments for 2018, when the White House will have a new occupant.

The changes are detailed in a highly technical draft regulation, nearly 300 pages long. Insurers and consumer advocates were trying to decipher its implications Monday evening.

The proposal would update the health insurance marketplace's premium stabilization system to reflect concerns that insurers have raised. It also proposes changes to a current five-year ban on companies returning to the health law's markets after they have left. Some big name carriers have dramatically scaled back for 2017.

For consumers, the rule includes an effort to make it easier to compare competing insurance plans, as problems.

WASHINGTON – In one of its well as a new method for calculating premiums for children, geared to avoiding large increases after a child turns age 21. There's also language to

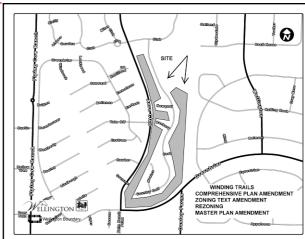
limit abuse of "special enrollment periods" during which people can get coverage outside of the normal sign-up season. The proposed regulation

comes in advance of what's expected to be a difficult 2017 open enrollment season, with many consumers facing big premium increases and less choice.

If Republican Donald Trump becomes president, the administration's latest proposal could be rescinded before it can take effect. Trump has promised to repeal and replace Obama's health care law.

But the changes may appeal to a president Hillary Clinton, who has committed to building on the Affordable Care Act and addressing its

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VILLAGE OF WELLINGTON **NOTICE OF LOCAL PLANNING AGENCY PUBLIC HEARING ON PROPOSED COMPREHENSIVE PLAN AMENDMENT ZONING TEXT AMENDMENT REZONING AND MASTER** PLAN AMENDMENT

In accordance with the requirements of Chapter 163, Part II, Florida Statutes, the Planning, Zoning and Adjustment Board, sitting as the Local Planning Agency will hold public hearing on the transmittal of the proposed Comprehensive Plan Amendment; Zoning Text Amendment, Rezoning and Master Plan Amendment

AN ORDINANCE OF WELLINGTON, FLORIDA'S COUNCIL, APPROVING A COMPREHENSIVE PLAN AMENDMENT [PETITION NUMBER 16-058 (2016-021 CPA3)] TO AMEND THE FUTURE LAND USE MAP DESIGNATION FOR CERTAIN PROPERTY KNOWN AS WINDING TRAILS OF THE LANDINGS AT WELLINGTON PUD, TOTALING 65.45 ACRES, MORE OR LESS, LOCATED ON THE NORTH EAST CORNER OF AEROCLUB DRIVE AND GREENBRIAR BOULEVARD, AS MORE SPECIFICALLY DESCRIBED HEREIN, FROM COMMERCIAL RECREATION TO RESIDENTIAL B (.1 DU/AC TO 1 DU/AC); TO EXTEND THE BOUNDARIES OF THE EQUESTRIAN PRESERVE AREA TO ENCOMPASS WINDING TRAILS OF THE LANDINGS AT WELLINGTON PUD; TO ADD THE PUBLIC AND PRIVATE BRIDLE TRAILS WITHIN WINDING TRAILS OF THE LANDINGS AT WELLINGTON PUD TO THE FOUNDERSIAN TRAILS MASTER PLAN MAP WITHIN THE EQUESTRIAN PRESERVATION ELEMENT; PROVIDING A CONFLICTS CLAUSE; PROVIDING A SEVERABILITY CLAUSE; AND PROVIDING AN EFFECTIVE DATE.

AN ORDINANCE OF WELLINGTON, FLORIDA'S COUNCIL AMENDING ARTICLE 6.10 OF THE WELLINGTON LAND DEVELOPMENT REGULATIONS BY CREATING SUBAREA F OF THE EQUESTRIAN OVERLAY ZONING DISTRICT; ESTABLISHING REGULATIONS FOR SUBAREA F OF THE EQUESTRIAN OVERLAY ZONING DISTRICT; PROVIDING A CONFLICTS CAUSE; PROVIDING A SEVERABILITY CLAUSE AND PROVIDING AN EFFECTIVE DATE.

AN ORDINANCE OF WELLINGTON, FLORIDA'S COUNCIL, APPROVING A REZONING [PETITION NUMBER 16-059 (2016-022REZ)] FOR CERTAIN PROPERTY KNOWN AS WINDING TRAILS OF THE LANDINGS AT WELLINGTON PUD, TOTALING 65.45 ACRES, MORE OR LESS, LOCATED ON THE NORTH EAST CORNER OF AEROCLUB DRIVE AND GREENBRIAB BOULEVARD, AS MORE SPECIFICALLY DESCRIBED HEREIN; TO AMEND THE ZONING DESIGNATION FROM AGRICULTURAL RESIDENTIAL/PLANNED UNIT DEVELOPMENT (AR/PUD) TO AGRICULTURAL RESIDENTIAL/PLANNED UNIT DEVELOPMENT/EQUESTRIAN OVERLAY ZONING DISTRICT (AR/PUD/EOZD); TO CREATE SUBAREA F OF THE EOZD; TO PROVIDE DEVELOPMENT REGULATIONS FOR SUBAREA F; PROVIDING A CONFLICTS CLAUSE; PROVIDING A SEVERABILITY CLAUSE; AND PROVIDING AN EFFECTIVE DATE.

A RESOLUTION OF WELLINGTON, FLORIDA'S COUNCIL, APPROVING A MASTER PLAN AMENDMENT (PETITION NUMBER 16-060 (2016-023 MPA 3)] AMENDING THE LANDINGS AT WELLINGTON PUD MASTER PLAN FOR CERTAIN PROPERTY KNOWN AS POD "D-1" (WINDING TRAILS, F.K.A. EXECUTIVE COURSE, AT THE LANDINGS AT WELLINGTON PUD), TOTALING 65.45 ACRES, MORE OR LESS, LOCATED ON THE NORTH EAST CORNER OF AEROCLUB DRIVE AND GREENBRIAR BOULEVARD, AS MORE SPECIFICALLY DESCRIBED HEREIN; TO ADD NINE (9) DWELLING UNITS, NINE (9) GROOMS QUARTERS AND A MAXIMUM OF 104 STAILS TO POD "D-1", TO INCREASE THE ACREAGE OF POD "D-1" BY 29 ACRES; TO ADD THREE (3) ACCESS POINTS ALONG AEROCLUB DRIVE; TO ADD TWO (2) ACCESS POINTS ALONG GREENBRIAR BOULEVARD; TO AMEND CONDITIONS OF APPROVAL; PROVIDING A CONFLICTS CLAUSE; PROVIDING A SEVERABILITY CLAUSE; AND PROVIDING AN EFFECTIVE DATE. A RESOLUTION OF WELLINGTON, FLORIDA'S COUNCIL, APPROVING A MASTER PLAN

Said public hearing will be held as follows

PLANNING, ZONING AND ADJUSTMENT BOARD

Village Hall, 12300 Forest Hill Blvd, Wellington, Florida.

September 14, 2016 at 7:00 P.M. or as soon thereafter as may be heard in the orderly course of business. The hearing of the request may be continued from time to time as may be found necessary

Notice is hereby given that members of the Wellington Council may attend and participate in the board proceedings All interested parties are invited to attend and be heard with respect to the proposed ordinances and resolution. Copies of all The interested parties are invited to distinct on the peak of the proposed originates and resources of the proposed originates and resolution are validable in the Planning and Zoning Division at the add listed below and can be reviewed by the public Monday through Thursday between the hours of 7:00 a.m. and 6:00 p.m.

Planning & Zoning Division 12300 West Forest Hill Boulevard Wellington, Florida, 33414 (561) 753-2430

If a person decides to appeal any decision with respect to any matter considered at such hearing, he/she will need a record of the proceedings and for such purpose may need to ensure that a verbatim record of the proceedings is made which includes the testimony and evidence upon which the appeal is to be based. All appeals must be filed in accordance with the applicable provisions of the Wellington Land Development

Pursuant to the provisions of the Americans With Disabilities Act, any person requiring special accommodations to participate in

this hearing, because of a disability or physical impairment, should contact the Wellington Manager's Office at (561) 791-4000 at least five calendar days prior to the Hearing.

CITY OF GREENACRES NOTICE OF PUBLIC HEARING **NOTICE OF ZONING MORATORIUM ORDINANCE NO. 2016-34**

Notice is hereby given pursuant to Florida Statutes 166.041, the Greenacres Code Chapter 16-33, and other applicable laws and authority vested in the City Council of Greenacres, Florida, to call and hold public hearings and give notice thereof, that a public hearing

SAID PUBLIC HEARING TO BE HELD ON:

Thursday, September 8, 2016 for the first reading of Ordinance 2016-34 by the City Council, at 7:00 pm, in the Council Chambers of the City of Greenacres, 5800 Melaleuca Lane, Greenacres, Florida.

AN ORDINANCE ADOPTED BY THE CITY COUNCIL OF THE CITY AN EFFECTIVE DATE.

INFORMATION AVAILABLE TO THE PUBLIC:

CITY OF GREENACRES, FLORIDA



JOANNA CUNNINGHAM, MMC, CITY CLERK PUB: The Palm Beach Post. August 30, 2016.

will be held to consider a moratorium.

The proposed ordinance title is as follows:

ORDINANCE NO. 2016-34

OF GREENACRES, FLORIDA, PROVIDING FOR IMPOSITION OF A MORATORIUM ON THE SUBMITTAL, PROCESSING AND ISSUANCE OF ANY ZONING APPLICATION, REQUEST FOR ZONING APPROVAL, DEVELOPMENT ORDER, PERMIT, OR BUSINESS TAX RECEIPT INVOLVING USES RELATED TO MEDICAL CANNABIS; PROVIDING FOR A ONE YEAR TERM TO BE EXTENDED IF NECESSARY; PROVIDING FOR GEOGRAPHIC BOUNDARIES OF APPLICABILITY; PROVIDING FOR EARLY TERMINATION UPON PASSAGE OF ORDINANCES REGULATING MEDICAL CANNABIS USES IN THE CITY PRIOR TO EXPIRATION OF THE MORATORIUM; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; AND PROVIDING

EXPLANATION OF PETITION:

A request for a one year moratorium on the submittal, processing and issuance of requests or approvals involving uses related to medical cannabis in order that appropriate zoning regulations can be researched

Written materials pertaining to the proposed moratorium may be inspected by the public one week before the above-mentioned hearing, at the Planning and Engineering Department or the City Clerk's office, both of which are located in the City Hall of Greenacres, Florida 5800 Melaleuca Lane, from 8:30 a.m. until 4:30 p.m. daily except on Saturday and Sunday. Interested parties may appear at the above-mentioned public hearing and be heard with respect to the requested moratorium. Additional information may be obtained by contacting the Planning and Engineering Department

According to Section 286.0105, Florida Statutes, if a person decides to appeal any decision made with respect to any matters considered at such meetings or hearings, he will need a record of the proceedings, and that, for such purpose, he may need to ensure that a verbatim record of the proceedings is made, which record would include any testimony or evidence upon which the appeal is to be based.