

Many Celebrate Fourth Without Power

BY MATTEW BARAKAT
Associated Press

MOUNT VERNON, Va. — George Washington never had air conditioning, but he knew how to keep cool: a mansion with lots of windows elevated on the banks of a wide, rolling river and lots of ice cream, maybe with a little brandy.

It was a little like the old days without electricity Wednesday, as the nation's capital region celebrated Independence Day the better part of a week into a widespread blackout that left millions of residents sweltering in 90-plus degree heat without air conditioning. Utilities have slowly been restoring service knocked out by a freak storm Friday from the Midwest to the Mid-Atlantic, and at least 26 people have died in the storm or its aftermath.

At George Washington's Mount Vernon estate, one of the most popular Fourth of July attractions was a demonstration of 18th-century ice cream making, one of Washington's favorite desserts. Historical interpreters Gail Cassidy and Anette Ahrens showed the crowds how cocoa beans were roasted and ground into a paste for chocolate ice cream, made using ice hauled up in massive blocks from the Potomac River and stored underground to last as long into the summer as possible.

As for beverages, Washington was no stranger to alcohol, enjoy-



CHARLES SLATE/THE SUN NEWS/MCT
The 4th of July Parade gets underway in Pawleys Island, South Carolina, Wednesday, July 4, 2012.

ing imported Madeira wine from Portugal, distilling his own whiskey and enjoying a fruity brandy cocktail called Cherry Bounce.

Washington was his own architect at Mount Vernon, "and he was very good at it," said Dennis Pogue, associate director for preservation at Mount Vernon. The piazza, which runs the length of the mansion, is "kind of California living in the 18th century," Pogue said.

The location, atop a sloping hill along the Potomac, catches cool breezes. Lots of windows and shut-

ters allow for the regulation of sun and wind. And the distinctive cupola on the mansion roof serves as the mansion's air conditioning unit, funneling hot air out the top and drawing cooler air in at the ground level.

Visitors on Wednesday gathered on the mansion's back porch, a piazza overlooking the Potomac where breezes rolled through.

"It feels good out here. It's the same thing we do in Texas," said Chris Moore of Austin, Texas, sitting with his wife, Dina. The two

had come to Virginia to see their son graduate from officer training at The Basic School at Quantico Marine Corps Base.

Moore said he opted for the smaller crowds at Mount Vernon as opposed to the massive Fourth of July Celebration on the National Mall because it afforded a better place to relax and contemplate the founding of the nation, especially since Mount Vernon on Wednesday hosted a naturalization ceremony for 100 new citizens from 47 different countries.

"This place is incredible. It's just the kind of place that people need to see," he said, noting the divided nature of the country's current politics. "We all need to step back and look at where we started."

Up the river in Washington, President Barack Obama also attended a naturalization ceremony at the White House, this one for active service members from 17 countries. Military families were invited for a barbecue and to watch fireworks on the South Lawn.

Obama said the varied backgrounds of those taking the oath typified America's long tradition of welcoming immigrants from around the world to its shores.

"Unless you are one of the first Americans, a native American, we are all descended from folks who came from somewhere else," he said. "The story of immigrants in America isn't a story of them. It's a story of us."

Physicists Celebrate Evidence Of 'God Particle'

BY JOHN HEILPRIN
Associated Press

GENEVA — Scientists at the world's biggest atom smasher hailed the discovery of "the missing cornerstone of physics" Wednesday, cheering the apparent end of a decades-long quest for a new subatomic particle called the Higgs boson, or "God particle," which could help explain why all matter has mass and crack open a new realm of subatomic science.

First proposed as a theory in the 1960s, the maddeningly elusive Higgs had been hunted by at least two generations of physicists who believed it would help shape our understanding of how the universe began and how its most elemental pieces fit together.

As the highly technical findings were announced by two independent teams involving more than 5,000 researchers, the usually se-date corridors of the European Center for Nuclear Research, or CERN, erupted in frequent applause and standing ovations. Physicists who spent their careers in pursuit of the particle shed tears.

The new particle appears to share many of the same qualities as the one predicted by Scottish physicist Peter Higgs and others and is perhaps the biggest accomplishment at CERN since its founding in 1954 outside Geneva along the Swiss-French border.

Rolf Heuer, director of CERN, said the newly discovered particle is a boson, but he stopped just shy of claiming outright that it is the Higgs boson itself — an extremely fine distinction.

"As a layman, I think we did it," he told the elated crowd. "We have a discovery. We have observed a new particle that is consistent with a Higgs boson."

The Higgs, which until now had been purely theoretical, is regarded as key to understanding why matter has mass, which combines with gravity to give all objects weight.

The idea is much like gravity and Isaac Newton's early theories. Gravity was there all the time before Newton explained it. The Higgs boson was believed to be there, too. And now that scientists have actually seen something much like it, they can put that knowledge to

further use.

The center's atom smasher, the \$10 billion Large Hadron Collider, sends protons whizzing around a circular 27-kilometer (17-mile) underground tunnel at nearly the speed of light to create high-energy collisions. The aftermath of those impacts can offer clues about dark matter, antimatter and the creation of the universe, which many theorize occurred in a massive explosion known as the Big Bang.

Most of the particles that result from the collisions exist for only the smallest fractions of a second. But finding a Higgs-like boson was one of the biggest challenges in physics: Out of some 500 trillion collisions, just several dozen produced "events" with significant data, said Joe Incandela of the University of California at Santa Barbara, leader of the team known as CMS, with 2,100 scientists.

Each of the teams confirmed Wednesday that they had "observed" a new subatomic particle — a boson. Heuer said the discovery was "most probably a Higgs boson, but we have to find out what kind of Higgs boson it is." He re-

ferred to the discovery as a missing cornerstone of science.

As the leaders of the two teams presented their evidence, applause punctuated their talks.

"Thanks, nature!" joked Fabiola Gianotti, the Italian physicist who heads the team called ATLAS, with 3,000 scientists, drawing laughter from the crowd.

Later, she told reporters that the standard model of physics is still incomplete because "the dream is to find an ultimate theory that explains everything. We are far from that."

Incandela said it was too soon to say definitively whether the particle was exactly the same as envisioned by Higgs and others, who proposed the existence of an energy field where all particles interact with a key particle, the Higgs boson.

Higgs, who was invited to be in the audience, said Wednesday's discovery appears to be close to what he predicted.

"It is an incredible thing that it has happened in my lifetime," he said, calling the discovery a huge achievement for the proton-smash- ing collider.

OBITUARIES

Asher Allen

March 25, 2011-July 2, 2012

Asher Eugene Allen, 15 months, of Brandon, died Monday, July 2, 2012, at Avera McKennan Hospital in Sioux Falls.

Funeral services will be held at 11 a.m. on Friday, July 6, 2012 at Celebration United Methodist Church in Brandon, with Pastor Rebecca Trefz officiating.

Visitation will be prior to the service with family present from 9 to 11 a.m. Burial will follow in St. Rose of Lima Cemetery, Crofton NE.

Asher is survived by his parents, Denny and Karri Allen, Brandon, grandparents, Candy Thunker, Bloomfield NE, Wallace (Cathy) Allen, Spencer SD, many aunts and uncles, Lory (Larry) Johansen, Valley Springs, Cindy (John) Hansen, Ames IA, Rhonda (Steve) Ramsdell, Piedmont, Connie (Gary) Pearson, Sioux Falls, Kerry (Bill) Selland, Salem, Sally Westhoff, Salem, Bill Westhoff, Salem, Kelly (Nikki) Wilken, Tea, Michelle (Troy) Sage, Sparks NE,



Allen

Dawn (Casey) Sherlock, Alma NE, Melanie (Chris) Hartung, Laurel NE, Crystal (Craig) Steffen, Wayne NE, Jessica (Adam) Schapmann, Grand Island NE, and many cousins.

Asher was preceded in death by his grandparents Jim Thunker, and Loren and June Westhoff.

In lieu of flowers a memorial has been established to The Asher Allen Memorial Fund.

For full obit and online condolences, go to www.heartlandfunerals.com.

Yankton Press & Dakotan
July 5, 2012

Shirley Juracek

Shirley E. Juracek, 90, of Yankton died Monday evening, July 2, 2012, at Avera Sister James Care Center, Yankton.

Funeral services are at 2 p.m. Saturday at Trinity Lutheran Church, Yankton, with the Rev. Dave Wildermuth officiating. Burial will be in the Yankton Cemetery.

Visitations begin at 6 p.m. Friday at Opsahl-Kostel Funeral Home & Crematory, Yankton, with a Scripture service and memory sharing at 7 p.m. Visitations will resume one hour prior to the service at the church.

Robert Jaeger

Robert "Bob" William Jaeger, 72, died Sunday, July 1, 2012, at the Dougherty Hospice House, Sioux Falls.

Funeral services are at 10 a.m. Friday at Bethesda Mennonite Church, rural Marion with burial to be at 4 p.m. Friday at St. Ann Cemetery, Geddes.

Visitation begins at 5 p.m. today (Thursday) at the church with a prayer service at 7 p.m.

Arrangements by Hofmeister-Jones Funeral Chapel, Marion. Visit www.hofmeisterjones.com.

In lieu of flowers, memorials are preferred. Memorials may be given in memory of Bob to the LUC Boys Ranch in Lampe, Mo., the Gideons, or Second Chance for Life.

Jud Reaney

A memorial reception and celebration of the life of Jud Reaney will be held at 2-4 p.m. July 7 at United Church of Christ Congrega-



Reaney

tional, 210 West Fifth Street, Yankton. There will be a service of interment in the morning for the family at the Yankton Cemetery officiated by Dr. Rick Jensen.

Jud, the son of Dr. Duane and Kathryn Reaney, died on Feb. 24, 2012 in St. Paul, Minn.

Linda Hajek

Funeral services for Linda Hajek, 59, of Tyndall will be held at 11:00 a.m. on Saturday, July 7 at the United Methodist Church in Tyndall with Rev. Duane Coates officiating. Inurnment will be held in the Bon Homme Cemetery, rural Springfield, at a later date.

Visitation will be held from 9:30 a.m. until time of service at the church on Saturday.

Linda passed away on Wednesday, July 4, 2012 at her residence in Tyndall.

Arrangements are under the

direction of Goglin Funeral Home of Tyndall and online condolences may be sent at www.goglinfh.com.

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We wish to thank everyone for the kindness that has been shown to us since the tragic loss of our daughter and sister,
Stacey Myers.

The food, cards, memorials, flowers and visits have been overwhelming. We are very blessed to have such wonderful people in our lives.

A special thank you to Dawn Kabella and family for all they have done for us.

We also want to thank Pastor Dave Wildermuth for the visits and doing such a wonderful service. Paul Wintz, of the Wintz & Ray Funeral Home, for the sensitivity and kindness in handling all the many tasks that needed to be done with such grace.

A special thank you to all of Stacey's amazing friends, who have been here, it means the world to us.

Bruce, Carol & Rachel Myers & Family



Michelle Tieszen, PT

Peloton
Physical Therapy

**1101 Broadway • Suite 115B
605-260-5003**



Matt Dvorak, PT

TAKING APPOINTMENTS FOR JULY 9TH