

▶ **AN NFL TREAT:** Titans meet Falcons in Dalton workout, E6 ▶ **DOMINIQUE DAWES:** Former Olympian on Gabby Douglas and 'flying squirrel,' E6

THESTRIP

» THINGS I WISH MY KIDS WOULD ASK ME

EDITOR'S NOTE: *Barry Courter has a 23-year-old son who graduated from college last year and an 18-year-old daughter who will be a freshman in college in the fall.*

Q: Dad, college seems so overwhelming with so many things to do, think about and prepare for. How do people do it?

A: Right before your brother was born, I had a panic attack because I suddenly realized I had no idea how to teach a child to read. I freaked out, thinking he'd never get out of kindergarten, much less high school. I read a book that talked about the many stages a baby will go through, and I realized I did not have to know how to do everything all at once. There is no need to stress about things that might not even come up or won't for a while. Handle what has to be handled now.

— By Barry Courter

» TOP 10 GAMES

Game Informer Magazine ranks the top games for August.

1. "NCAA Football 13," PS3, Xbox 360
2. "Quantum Conundrum," PS3, Xbox 360, PC
3. "The Walking Dead," PS3, Xbox 360, PC
4. "Civilization V: Gods & Kings," PC
5. "The Elder Scrolls V: Skyrim - Dawnguard," PS3, Xbox 360, PC
6. "Theatrhythm Final Fantasy," 3DS
7. "Spelunky," Xbox 360
8. "Dyad," PS3
9. "Resonance," PC
10. "Spec Ops: The Line," PS3, Xbox 360



» APP OF THE WEEK

Must-see TV just got a little easier to find. Sure, the digital video recorder knows all, but sometimes you want to actually watch something live before your friends spoil the ending on Facebook or Twitter. The TV Guide app allows you to set reminders for your favorite shows. Enter your ZIP code to search for cable or antenna options and you'll get a personalized guide. You no longer have to wade through cumbersome listings. You can even narrow your search to your favorite networks or shows. The app has expanded information on all the listings, and it will notify you of breaking TV news if you want. It's free for Android, iPhone and iPad.

— St. Louis Post-Dispatch

» 'DR. HORRIBLE' TO INVADE TV

Joss Whedon's musical production "Dr. Horrible's Sing-Along Blog" will be premiering on The CW on Tuesday, Oct. 9, at 9 p.m. The awesome piece of pop culture starring Neil Patrick Harris, Nathan Fillion and Felicia Day (not to mention, "The Big Bang Theory's" Simon Helberg) is about a super villain in love just trying to make his way in the world. We've already heard from Whedon that he plans on making a "Horrible" sequel (but not one that's horrible), so maybe getting the sing-along blog — which premiered via the Internet in three acts in 2008 — on TV is all part of the superstar director's master plan. Cue evil laugh ... now.

— By Aaron Sagers, McClatchy Newspapers

GADGETS&GEAR

■ **What:** iPhone cases with personality.

Musubo makes some of the most interesting iPhone cases around. With styles ranging from retro to futuristic, each case is richly textured and has a unique identity. For example, the Retro case resembles a 1940s-era microphone. The MatchBook Pro case has a built-in kickstand that looks like a row of matches. I liked the RubberBand case (pictured) best. From the rear, its shell looks as if your iPhone is wrapped in dozens of rubber bands. Each case has a soft silicon interior and comes with a folding stand for hands-free use.

■ **Details:** www.musubo.com.hk \$29.99

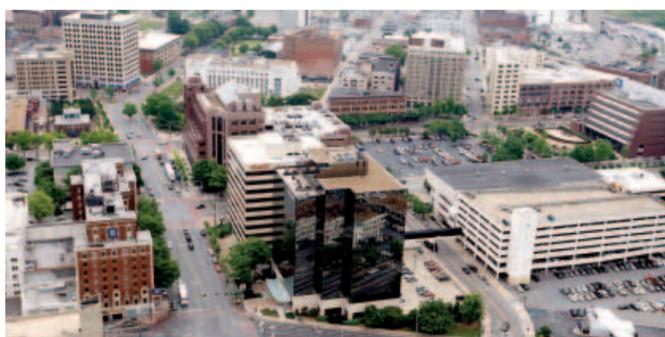
— Gregg Ellman, McClatchy Newspapers



WHAT ON EARTH?

TAKE A TOUR

Volunteers have spent three years creating 3-D models of buildings in and near downtown to add to Google Earth's map of Chattanooga. Below, you can compare real photographs to the virtual counterparts of places such as the SunTrust Bank building, several blocks around the Regions Bank building, the Market Street Bridge and Coolidge Park. Google images are denoted by a G. (File Photos by John Rawlston and staff).



HOW THEY BUILD IT

1 With photos of each angle, the modeler selects the target building's location on the Google Earth satellite image. This aerial view will be used to skin the building's roof.

2 In Google SketchUp, a gray model is created that mimics the building's basic shape but is otherwise featureless. More complicated models may include details such as doorways, pillars, arched or sloped surfaces and rooftop crenulation.

3 The photos of the building are then applied to the model and adjusted to present them from a straight perspective, creating a textured version that looks like the real thing.

4 This finished model is then "geo-located" by the modeler to match its orientation and size, based on Google's satellite imagery.

5 Once oriented, the model is submitted to Google for approval, a process that can take a couple of weeks to several months.

■ See Page E4 to find out how to access Google Earth.



Google images broaden views of downtown

BY CASEY PHILLIPS
STAFF WRITER

In late 2009, a visit to Chattanooga on Google Earth, the software giant's online digital globe, showed a featureless desert, in which buildings were flat images pasted on the landscape.

Google Earth several years ago added a feature allowing users to give cities a sense of depth by creating 3-D models of buildings using the company's SketchUp design software and submitting them to the virtual map.

During the Chattanooga Stand 48Hour Launch community visioning process on Nov. 13, 2009, Smart Furniture creative directors/founders Karen and Stephen Culp started Chattanooga 3D. This nonprofit collaborative organization of designers, architects, engineers and students began building out Chattanooga's digital twin.

Within two weeks, they added a dozen models and have continued — with help from other users — to upload new ones at a steady pace. Three years later, a trip to virtual Chattanooga on Google Earth shows more than 100 models representing most major downtown buildings, as well as peripheral locations such as Southside, North Shore and Glass Street.

VIRTUAL VISITS

What started as "a small experiment in civic engagement" has turned

See VIEWS, Page E4

Vampires, chicken, Gen X/Y and London 2012



Holly Leber
Love and Other Indoor Sports

When I have a lot to do, my mind tends to swim with all sorts of random, useless thoughts and epiphanies. I think it's my brain's way of rebelling against me for not letting it focus on one thing for long enough. As I'm currently Very Busy (in title case to make me feel important), I have all

sorts of little mental hummingbirds flying around inside my head. For your edification:

1 I don't want to hear any more about Kristen Stewart cheating on Robert Pattinson. The only good thing to come out of that whole debacle — and by "that whole debacle," I mean every-

thing that has occurred since author Stephenie Meyer said "Hey, you know what the world needs? A good vampire/human teen romance" — is the coining of the term "trampire" to describe Stewart. Trampire is a much better portmanteau than "jeggings," though it cannot beat "wholphin."

Yes, a whale plus a dolphin.

2 Am I a bad American for not having watched the Olympics thus far? I'm not boycotting, just being kind of forgetful. Honestly, I haven't been terribly invested since I was denied a spot on the

See LEBER, Page E4

EXPERTADVICE

LIFE

Mom uses daughter's credit cards to buy catalog items



Dear Abby
Written by
Jeanne Phillips

DEAR ABBY: I recently discovered that my mother has been purchasing catalog items using my name and not paying for them. I have confronted her, but she denies it even though the items are in her home. My mother is much better off financially than I am and has no need to use my credit. I have spoken to the companies and had mixed results. Some have agreed to put the bill in her name, others refused. At this point, I don't know what to do. Any advice would be appreciated. — JOANNA IN BROOKLYN, N.Y.

DEAR JOANNA: Your mother's behavior is shameful. Talk to your credit card companies and ask for new credit cards. If this is allowed to continue, your mother will destroy your credit. Tell her that you expect her to pay the

charges she has incurred immediately, and you want proof of payment. Warn her that if it doesn't happen, you will inform the fraud division of your local police and let them deal with her. Then follow through.

c. Universal Press Syndicate

HEALTH

Painful sex is relieved with medication and self-care

DEAR DOCTOR K: Ever since I went through menopause, sex has become painful. My doctor says this is because of vaginal atrophy. Is there anything I can do?

DEAR READER: Pain that occurs before, during or after sex is a common problem for many women following menopause. Most often, the cause is vaginal atrophy, but there are other causes, too.

The pain can range from mild to excruciating. I've heard patients describe it as burning, stinging, sharp or extreme tenderness. The pain may be located in the outer genitals (vulva) or within the vagina. Many women feel discomfort mainly in the nerve-rich area around the vaginal opening.

Vaginal atrophy occurs when vaginal tissue deteriorates because of estrogen loss. Your body's production of estrogen declines at menopause. As a result, vaginal tissue may become thinner, less lubricated and less elastic. Over time these changes can result in dryness, burning, itching and pain. Sometimes vaginal pain with sex is a clue to other conditions. An infection of the vagina can lead to pain with sex; it also produces vaginal discharge. An infection of the tissues around the ovaries can lead to pain with sex; it also produces pelvic pain (also fevers and generally feeling ill) even when a woman is not having sex.

A bacterial infection of the bladder can cause pain with sex; it also causes frequent and painful urination. A condition called interstitial cystitis or painful bladder syndrome can cause pain with sex; it also causes the same symptoms as a bacte-

rial infection of the bladder. Vaginal atrophy is a more common cause of pain with sex, particularly when there is pain only with sex and not at other times. Fortunately, vaginal atrophy has several effective treatments, often requiring a combination of medications, other therapies and self-care. One or more of the following should help you manage discomfort and increase sexual pleasure:

■ **Vaginal estrogen.** Local low-dose estrogen helps most women with vaginal atrophy. It comes in a cream, a small tablet inserted in the vagina (Vagifem) and a flexible vaginal ring that's worn continuously (Estring). Vaginal application releases little estrogen into the bloodstream. It carries less risk of side effects than systemic hormone therapy. Discuss the pros and cons of vaginal estrogen with your physician. It isn't yet clear if it is safe for women with a history of breast cancer.

■ **Lubricants.** Nonhormonal vaginal lubricants and moisturizers may help reduce friction and pain during sex. Lubricants are applied just before sex; moisturizers are applied more regularly, for longer-term relief.

■ **Sexual techniques.** Extend foreplay to increase moisture in the vaginal tissues before intercourse. Switch positions, and experiment with different ways of being intimate. Communicate with your partner about what does and doesn't feel good.

■ **Lidocaine.** This numbing ointment is applied to the area surrounding the vaginal opening before and after sex. It may help ease discomfort.

FAITH

Don't wait to seek God

Q: Is it true (as I've heard some preachers say) that the world will get worse and worse before Jesus comes again? How bad do things have to get before Jesus will return? Are we in the final days now, do you think? — Mrs. K.G.

A: One of the Bible's greatest promises is that some day Jesus Christ will return — and when he does, he will destroy all evil and will rule over the world in perfect peace and justice. The Bible calls that event "the blessed hope — the glorious appearing of our great God and Savior, Jesus Christ" (Titus 2:13).

Until that day, however, our world will lurch from crisis to crisis, frantically looking for solutions to the problems that constantly threaten to destroy us — but without lasting success. In fact, Jesus warned that as the end of the present age approaches, the world will only get worse. Natural disasters will ravage the Earth; false prophets will arise; wars and conflicts will

grow worse. Jesus warned, "Then there will be great distress, unequaled from the beginning of the world until now — and never to be equaled again" (Matthew 24:21). Are we living in the last days? This may well be, for many of the signs that Jesus said must appear before his coming are already on the horizon. I often think, for example, of his statement that the end will come once the Gospel has been preached to the whole earth — something that is now possible through modern technology (see Mark 13:10).

The real question, however, is this: Are you ready to meet God — whether at Christ's coming or at your death? You can be, because God did everything that is necessary to save us by sending his son, Jesus Christ, into the world. Welcome him into your life today.

c. Tribune Media Services

Views

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into a valuable tool for regional marketing and tourism, the group's co-founders said.

"The project has made Chattanooga more accessible to all kinds of people and organizations, including local residents, tourists, public officials, artists, planners, architects, developers and business people," Stephen and Karen Culp wrote in an emailed statement.

Although it lags behind Atlanta and Nashville, Chattanooga's digital downtown is much better populated than other medium-size cities in the Southeast, including Jackson, Miss. (175,000), Knoxville (180,000), Huntsville, Ala. (181,000), Mobile, Ala. (195,000), Fayetteville, N.C. (204,000) and Birmingham, Ala. (212,000).

In 2010, Chattanooga 3D was one of 160 teams that participated in Google's first Model Your Town Competition alongside groups from Zielona Góra, Poland; Hattiesburg, Miss.; Cork, Ireland; and the winning team from Barranco, Peru.

The organization also has been featured in Google's SketchUp blog and was a finalist last year for the Chattanooga Area Chamber of Commerce Kruesi Award for innovative local products and services.

REACHING OUT

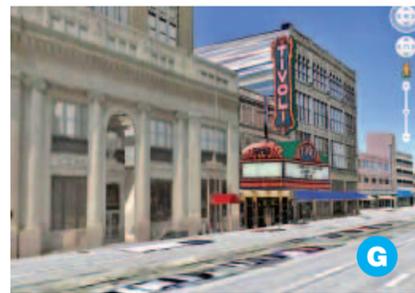
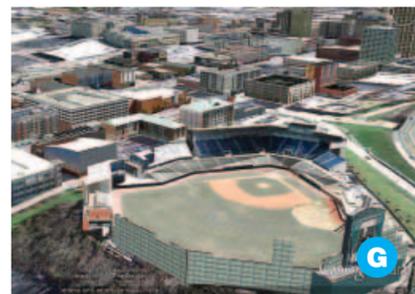
From its foundation as an independent startup, Chattanooga 3D eventually entered a partnership with River City Co., who initiated extensive modeling efforts downtown for use in marketing and business recruitment campaigns.

That effort helped one Chattanooga 3D modeler, Wes Mohny, to find a career.

After graduating from the University of Georgia at Athens with a degree in landscape architecture in 2009, Mohny was struggling to find work when he became involved in Chattanooga 3D.

He and two architecture students were hired by River City to create the downtown models. When funding for that effort ran out after several months, Mohny said, he was contacted by the Chattanooga Convention & Visitors Bureau to continue modeling downtown.

Sensing a trend, Mohny then applied for a business license and founded Market3D, a geo-modeling and



FILE PHOTOS BY STAFF AND TIM BARBER

Google Earth 3-D models have been created for many buildings downtown, including AT&T Field, The Tivoli Theater and The Chattanooga Convention Center. Compare the real photographs to the virtual views, which are denoted with a G.

visualization firm. Unlike Chattanooga 3D, which was purely nonprofit, Market3D charges for services such as re-creating and displaying building designs in Google Earth or creating virtual tours to help clients inform and entice investors.

"Without Chattanooga 3D, I wouldn't be where I am today," Mohny said, adding that even casual users can benefit from using the service.

"It enables anyone with an Internet connection to visit any location on the planet," he added. "It's really an amazing tool for anyone who wants to leave their current location... without leaving their chair."

BUILDING A NEW WORLD

At a June 6 event, Google announced a new 3-D modeling service for Google Earth that automatically would create comprehensive models of every building in many major cities using flyovers by planes equipped with special cameras.

By automatically generating accurate models at a much faster rate than individual modelers could, this new creation method may make user modeling outmod-

VISITING GOOGLE EARTH

There are two methods for accessing Google Earth:

VIA GOOGLE MAPS

1. Visit maps.google.com and search for "Chattanooga."
2. Place your mouse cursor on the box in the upper right corner of the map that reads Satellite. Another box should appear next to it saying Earth. Click it.
3. You will be prompted to download and install the Google Earth plug-in. The file is about 87 megabytes.
4. Once installed, the modeled buildings in Chattanooga and other cities will appear, so long as Google Earth mode is selected in Google Maps.

VIA AN INDEPENDENT PROGRAM

1. The Google Earth program can be downloaded for free from earth.google.com for Windows (XP or later) or Mac (OS X 10.5.0 or later).
2. Once the installer is downloaded, run it and the program will finish downloading.
3. To view 3D models in Google Earth, load the program and look on the left side of the screen under the setting labeled Layers. Ensure that the box for 3D Buildings is checked.

ed, but Chattanooga 3D's co-founders remain confident their group helped position the city to take advantage of these and other future advances.

"We ... launched this knowing ... that there may be benefits of this project down the road that we haven't identified yet," they wrote. "Google Earth is emerging as an interactive platform unto

itself, arguably as powerful as any information, social media or promotional platform out there.

"But the idea is to get started now so that when this platform begins to truly bloom, we're in the garden."

Contact Casey Phillips at cphillips@timesfreepress.com or 423-757-6205. Follow him on Twitter at @PhillipsCTFP.

Leber

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women's gymnastics team in 1992. My coach used to say "no pain, no Spain." I remember a good bit of pain, and where was my bid to Barcelona? I blame Kerri Strug.

3 Speaking of boycotting, I'm not touching politics with two 10-foot poles, but is anyone else nostalgic for the days when eating fast food was about nothing more than consuming something fried and delicious? Now, it seems, you are making a statement with everything you say or do. It's a little tiresome. For the record, my dislike of white chocolate is not an admission of Caucasian guilt, my preference of soy milk over regular milk does not mean I believe the bean is superior to the cow, and the fact that I own more male than female Care Bears should not be seen as an indication of my being anti-feminist. Of course, all of these things may be true, but it has no bearing to the general population, so I keep it to myself.

4 It has recently been made clear to me that I missed a golden opportunity in the '80s to run away to Hollywood and become a child star doppelganger. I recently posted a photo on my Facebook page of the TV character Punky Brewster (played by actress Soleil Moon Frye, who now looks like a cross between Winnie Cooper and a Playboy model). I've been told since I was a child that the resemblance between myself and Punky (yes, Punky, not Ms. Frye) is strong, but I wasn't sure how strong until my mother posted a comment about how cute the photo was, and was that the jacket my cousin had brought back

I'm not touching politics with two 10-foot poles, but is anyone else nostalgic for the days when eating fast food was about nothing more than consuming something fried and delicious?

from Bali? Amused by her dry wit, and also slightly fearful, I called her.

"What you said on Facebook," I began. "That was a joke, right?"

"What do you mean?" she asked.

"About the photo. You were kidding, right?"

"No. I think Carl gave you that jacket."

(Oh my goodness, wait, does she ...?)

"Um, Mom, that's not me."

"What?"

"It's a picture of Punky Brewster, Mom. It's not me."

"Are you serious?"

Apparently, both she and my father had thought it was an old picture of me. Month made.

5 And speaking of the '80s, I achieved something great last week: I finally figured out how to truly make the distinction between Generation X and Generation Y, or the Millennials. Here it is: If you (age appropriately) lusted after Alyssa Milano on "Who's the Boss," you are Gen X. If you lusted after Alyssa Milano on "Charmed," you are Gen Y. I make no gender distinctions here because, come on, it's Alyssa Milano.

Even people who eat at Chik-fil-A have to agree with me there.

Contact Holly Leber at hleber@timesfreepress.com or 423-757-6391. Follow her on Twitter at twitter.com/hollyleber. Subscribe to her on Facebook at facebook.com/holly.j.leber.

Watercolor workshops by Daud Akhriev

STAFF REPORT

Former Chattanooga resident Daud Akhriev, who recently moved to Spain, will be back in town for a limited time this summer. During his visit, he will be teaching watercolor workshops at Townsend Atelier, 201 W. Main St.

A prolific painter and sculptor, Akhriev was trained in the Russian Classical school, where watercolor is the media to conquer first. Without that, the students are not allowed to proceed to oil.

Because watercolor is not a forgiving discipline, he said, it sharpens your concentration when you work. Akhriev painted exclusively in watercolor during his four years of study before he worked

with oils.

In the two-day workshops, Akhriev will teach painting techniques taught in the Russian Classical school. Students may paint from a still life or a live model.

According to a news release, the workshop will include "lots of demonstrations focusing on blending, color mixing, protecting areas you do not want to blend, as well as composition, silhouette and techniques on mastering watercolor in general."

Workshop dates are 9 a.m.-5 p.m. Saturday and Sunday or Aug. 11-12. Cost is \$200 for either session.

To register, call 266-2712, email info@townsendatelier.com or visit <http://townsendatelier.com>.

Classes teach printmaking

Christine Ong, left, and Chloe Melton, right, learn printmaking techniques from master teacher Eric Buechel in a previous class at the Shanks Center for the Arts in Crossville, Tenn.

Monotype printmaking is a process of scratching or imprinting images onto an inked surface and then transferring the images to paper, resulting in a one-time print, thus the title "monotype." Buechel will lead two classes next week. The adult class, scheduled 6-8 p.m. Tuesday, is limited to 20. The youth class, for ages 10 through teens, will be 10 a.m.-noon Saturday, Aug. 11, and limited to 10 participants (all times are Central). Cost is \$20 for the adult class, \$15 for youth, and all supplies are included. To register, call 931-787-1936 or stop by the Shanks Center, 140 N. Main St., during regular business hours (10 a.m.-7 p.m. Thursdays, 10 a.m.-noon Fridays and Saturdays).



PHOTO FROM SHARRON ECKERT