



In case you missed it, two funnel clouds were spotted over the west shore last Sunday in the early afternoon. They dissipated harmlessly after about 10 minutes. Thanks to east sider CINDY BERNACIAK for the photo

COMMODORE'S COMMENTS

would like to extend our condolences to the family of Helen Phipps who passed away on August 7. Helen lived on the North Shore with her son, Dennis, and Vice Commodore Claudia for the last several years. She was a regular attendee of many of our Birch Lake functions, and we will surely miss seeing her smiling face around the lake. Our sympathies also go out to Carla Chester whose mother died last week.

Even though we've had a couple of rainy days, we really can't complain (unless, of course, it keeps up for several more days!) The rain has been a welcome relief to our parched yards and low lake. The lake level increased several inches from all of the rain and looks like it's back up to about normal levels. It sure seemed easier getting our boat off the lift. In case you've been wondering about the swan that's hanging out in the lake in front of our yard – no, we haven't got a new pet! It's just the latest in a long history of "Pat Williams' great ideas to keep the geese off our lawn." This one was sure to work. This was the best idea ever. After all, swans are supposed to be natural enemies of the geese. Only one problem, I think someone forgot to tell the geese! Either that, or they have figured out it's a fake! So, as you've probably guessed, we're still on the lookout for that one sure thing!

The Fall Dinner is quickly approaching. The deadline to purchase tickets is August 20 (that's THIS Saturday). So don't delay, and get yours today. The dinner will be at the Yacht Club next Saturday evening, August 27. More information is in this Barker. The annual meeting of the Yacht Club members takes place at the Fall Dinner. That's where I will turn the reins over to Claudia, and you will learn the identity

Aug. 27 BLYC Fall Dinner 5:30 cocktails,
6:30 dinner (at the Yacht Club)
Aug. 27 Calvin King's birthday
Oct. 7Chili Cookoff, BLYC, 6 pm
BLYC Board Meetings (9 am)
Sept. 10 @ BLYC
More info as available.; Dates subject to change; Watch the Barker for updates!

of the new Vice Commodore. That's always an exciting moment! So come and show your support, visit with your neighbors, and enjoy a great meal!

My Commodore days are dwindling, my time's almost up. Probably a good thing because I'm running out of material to write about! With that I will close for this week. Get out there and enjoy the lake because fall will be here sooner than you think.

~Commodore Sue

The Birch Barker is always accepting materials for publication. Please E-mail your materials to sailorphil@philvitale.com, or put the items in the stone newspaper/mailbox at my home, 63174 Birch Rd. (East Shore). Please include a self-addressed, stamped envelope if you want photos or other materials returned. To contact me by phone, call (269) 476-1680, or contact BLYC Commodore Sue Williams at 476-8886 or email smwillia@comcast.net. ~Phil V

Birch Lake Notes -

Porter Township election results

Supervisor Porter Township Kim Evans 45 Cory E. Marlow 190* Steven A. Northrup 184 Terry Schutter 152 Clerk Porter Township Honna Gableman 259 Marty Russell 327 Treasurer Porter Township Helen Croninger 294* Tom Lutz 289 Trustee Porter Township Tom Harman 292* David Nagy 147 Julie Paksi 154 Robert W. Schultze 158 Leard Wylie 189* *indicates winner

Interested in Music and Art?

The South Bend Area Music Teachers Association will be participating in Art Beat 2016 on Saturday, August 20, from 11 am – 7 pm. This event, which showcases the work of local visual, performing, and culinary artists, will be held in downtown South Bend. The SBAMTA booth will distribute information about our organization and its programs, including scholarship opportunities for students as well as their teachers, membership information and more. We will also have a musical craft. Proceeds from the \$1 craft will go toward the Stickley Scholarship Fund.



Thanks to our Artist-in-Residence, Duffy Dufour for the great Birch Lake art ...

SBAMTA's booth will be close to the corner of Wayne/Michigan. Please stop by and say hi!

- Linda Witchie

2017 Birch Lake calendars here

Thanks to all the photographers who submitted photos for the 2017 Birch Lake calendar. This year we received over 100 pictures. It was hard to narrow the selection to just thirteen and a little sad to have leave out so many wonderful photos. The calendars are available now. You can get yours from Vickie Rogers (476-2383), Linda Yoshizawa (476-2308), Sue Williams (476-8886), or Carla Chester (476-1010). They'll also be on sale at the remaining Birch Lake events as long as they last. The cost for each calendar is \$15.

Simply STUNNING

Have you seen the stunning new stamped-concrete compass rose at the Birch Lake Yacht Club?

This is just one example of the custom concrete services and products available to our friends and neighbors here at Birch Lake.

Interested in a whole new look for your plain old concrete garage, patio or entrance?

Call us today!



(269) 279-7973

mmtlconcrete@aol.com

Birch Lake Notes -

Walk for Life - "People Who Care"

Come join in on August 27 from 9 am to noon and walk for Cancer fighters and survivors! Gather pledges and take a scenic walk is all it takes to make a difference. Proceeds will go to the Cass County Cancer Service, Inc. to help people with everyday expenses this is for residents of Cass County who are fighting cancer and need a helping hand.

There will be water stops along the route. A light lunch will be provided at the club after the walk. Bring your friends, family, along with smiles and cash. The walk will start at the Conservation Club, down Birch Road to the "swimming hole" then back.

For more information or to make a donation contact Connie Sue Hulse at (574) 333-8838.

Updates on Birch Lake sailing

Sailors! Send me your cell phone numbers if you want to be included in text alerts and updates on the status of weekly sailing. 317 605 6421.

~Bad Patty

By THE TRACKS

Birch Lake Pooch Parade

The Third Annual Birch Lake Pooch Parade will be held Saturday, September 3 (Rain date, September 4). Registration will begin at 10:30 am, the parade will start at 11. The grand marshal will be our own veterinarian Duffy Dufour .

Birch Lake dogs and their owners

are invited to meet at Ed and Carla Chester's home to kick off Labor Day weekend with our annual Pooch Parade. After the 10:30 registration, the parade will begin at the Chesters' at 11 and proceed north on Birch Road, making a loop at the Kinsey Street marina and ending back at the Chesters' house for the award ceremony.

Prizes will be awarded in these categories: Best Costume, Largest Dog, Smallest Dog, Cutest Dog, Best Owner-Pet Lookalike, Bushiest Tail, Longest Ears, and more. All canine participants will receive doggy

treats! **Parade Rules:** 1. Animals must be current on vaccinations. 2. No aggressive animals or females in season. 3. Animals must be on a leash and in the control of the owners at ALL times.

Costumes are encouraged. Parking for spectators and participants will be available at designated marked areas along the parade route. Spectators, bring lawn chairs!

A donation box will be available for donations to the CASS COUNTY HU-MANE SOCIETY and event expenses.

e-mail scam persists

A couple weeks ago I wrote about some emails supposedly from a Birch Laker with an abbreviated message and a note that it couldn't show the entire message but I should "click here" to view it. I warned that this was a scam and it would hack your address list and email



BACK ON TRACK!

56951 N. Main St. Three Rivers, MI

(269) 273-9015



Visit us again For the First Time!

Frankie's Restaurant in Three Rivers has new owners. Over the past few months we have been working very hard to return the

quality of the food and the quality of the dining experience to the levels that so many of us fondly remember from years ago. We hope you'll stop by and learn what we mean when we say that we're "Back on Track!"

Open M-Th 11-10, Friday & Saturday 11-11 Closed Sunday. Daily food & drink specials

follow us on Facebook at frankiesbythetracks

Birch Lake Notes -

itself (with the virus) to everyone on it. Apparently it is still making the circuit around Birch Lake. Always be wary about opening unknown email attachments, even from trusted sources.

BLYC Welcoming Committee

We are ready to rock and roll on our Welcoming Committee. If you know of a new neighbor please contact Vicky Rogers at 269-476-2383 and Linda Curtis at 574-361-2629.

Printed Birch Barker

The Birch Barker is a service of the Birch Lake Yacht Club and provided free of charge every weekend to all the homes on Birch Lake, thanks to our generous advertisers.

The Barker welcomes the submission of editorial and advertising materials for publication (at the discretion of the editor). The deadline for submitting ads and information for any Barker is by 3 pm on the Tuesday of the week before publication (example: the deadline for materials for the August 6 issue is 3 pm on Tuesday, July 26) ... thanks.

Send your kid-of-the-week to Birch Barker, 63174 Birch Rd., Vandalia, MI 49095; put them in a ziplock and stick them in the stone mailbox at my home (east side), or email to me at sailorphil@ philvitale.com I'm at 476-1680. For questions or problems with delivery please contact Sue Williams (476-8886, email: smwillia@comcast.net) or Bob & Sue Waddle (476-3393 or email: sparkybob220@comcast.net).

Online Barker

The full, weekly printed Birch Barker is once again online this season, along with selected additional content ... just go to www.philvitale.com and follow the links.

Fill the van for the animals

Pet Refuge and Meow Mission are still collecting a variety of items to help pets without a home ... at Birch Lake the contact is Diana Betzer (south side,

BIRCH LAKE TOTE BAGS BACK BY POPULAR DEMAND!

Royal Blue with White Logo Very Sturdy and Large Size Limited Number so DON'T Delay

\$5 each (same as in 2011!)

Available now! 63168 Birch Rd (east side)

Call today to get yours! Patty Luecht

476-2615

behind Bender's and next to Whiteman's). Diana is hoping to fill a van full of needed items to help out. You can drop items at her home or she is willing to pick up items at your home, just call or text 574 274 3260.





Vickie Hall

574/849-9957 office & FAX 269/641-7928 www.VickieHall.info willowtree.vickie@gmail.com

Willow Tree Realty

13549 U.S. 12 / UNION, MI 49130

When it comes to choosing a Realtor, it's not about claims of having or selling the most listings. Nor is it about the claims of being the "Lake or Waterfront Expert." It's about who will provide you with a quality experience and good results from listing or searching to closing. Read what my clients have to say and then call me when you're ready to sell or buy.

Elizabeth Carey and Steve Decker -- Sold our home on Indiana Lake

"Vickie is an extremely dedicated professional who will make you feel like you are her top priority. She can grasp complicated situations easily, explain them to you accurately, and then wisely advise you as to what to do. We found her knowledgeable in many areas and helpful in many ways beyond her obligations as a Realtor. You will enjoy working with this personable, warm, trustworthy lady who will take the stress and strain of buying and selling a home off your shoulders and put them onto hers."

Amanda North Druckeniller "Working with Vickie to sell our home was a pleasure! Our home sat on the market for a year with another realtor. We switched to Vickie and had an offer within a month! Vickie is prompt, professional and very knowledgeable in her field. I strongly recommend her for your realty needs!"

Tom Davidson -- Top qualities: Personable, Expert, High Integrity

"Vickie did an excellent job in finding a house in Michigan that represented what I was looking for. She also was instrumental in providing detailed information on the history of my property and several adjacent Birch Lake properties which along with her knowledge of building regulations allowed me to obtain a reduction in property taxes. She is dependable, knowledgeable, and follows through. I would highly recommend her."

Tony Clark -- Chevalier dans l'Ordre des Arts et des Lettres

"Vickie is the hardest working and most knowledgeable Realtor I have ever known. I have flipped about 7 properties. She sold my partner's house on Eagle Lake in a couple of weeks. While another Realtor had the listing for 9 months. She helped with taxes, inspections and legal transfers that were outside of her realm of duties."

See more at www.VickieHall.info under the "resources" tab

STRONG THROUGH EVERY STORM FOR 100 YEARS

For life's unexpected storms, Auto-Owners Insurance and your local independent agent will be there when you need us most - just like we have been for 100 years.

UNION INSURANCE AGENC Corner of US 12 & Union Rd., Union, MI 49130 Independent Agency 269-641-5995 fax: 269-641-5787 email: Sue@unionins.net www.unionins.net

LIFE . HOME . CAR . BUSINESS





Birch Lake Notes

Wanetta J. McFall, a lifelong resident of Elkhart, died with her family by her side at the age of 95 on Thursday, Aug. 11. Wanetta was born, in Elkhart, July 11, 1921, to Leland "Pete" and Marjorie (Syson) Fletcher. She was a graduate of Elkhart High School.

She married Donald Ray McFall on Nov. 18, 1945, in Albion. Don passed away Jan. 22, 2005. In addition to her husband, a daughter, Leanne J. Brill; granddaughter Monique R. Atkinson; sister Patricia Pixley; and her two brothers, LaVon Fletcher and Charles Fletcher preceded her in death.

Wanetta is survived by her daughters, Donetta "Dee" (Dan) Atkinson of Fairfield Glade, Tenn., Cinda (Terry) Belanger of Granger, and Carla (Ed) Chester of Vandalia, Mich. (east side); her son, Thomas (Teresa) Mc-Fall of Bloomington; 10 grandchildren; seven great-grandchildren; two great-great-grandchildren; and a brother, LaMar (Donnabelle) Fletcher. Also surviving are her half siblings, Reggie and Ronnie Fletcher, Thomas Fletcher, William Fletcher and Heloise Almarsi.

In addition to her role as a wife and mother, Wanetta spent a career as an

executive secretary employed by Driftwood Homes, La-Bour Pump Co. and as secretary to the chief of the Elkhart Police Department, retiring in 1984. In lieu of flow-

ers, memorials may be given to Harbor



Light Hospice or a charity of one's choice. Online condolences for Wanetta may be sent to www.billingsfuneralhome.com.

Our sympathies to the family.

Birch Lake Water Temperature







Get a FREE market analysis! **Contact Paul DeLano:**

(574) 536-6363 Paul@TheLakeLife.com SOLD 72 LAKE PROPERTIES IN 2015.

- versus 27 lake properties sold by the #2 agent
 Extensive database of buyers looking to purchase this year
 Lake home website with over 4,000 monthly visitors
 Proven results and experience that close the sale

Explore more online: MichiganLakesAndLand.com



100

FLEET CAPTAIN'S CORNER

No winds, scrubbed again

arold and I met twice last Sunday, first at 10 am, when there was some light winds forming but not quite enough to sail. We met again at 11 am, and the winds were even lighter, so we had to scrub the sailing for the day. Hopefully the wind Gods will make it favorable for this Sunday!

Thanks to all the sailors that waited to see if the winds picked up, I know that possible hour delay makes havoc on scheduling your day!

Until next week "SPLICE THE MAIN BRACE."

~Fleet Captain Mike"



Department - Huge Selection

2016 BLYC Season Sailing Results

Date						
Race	15	16	17	Points	Average	. Finished Finished
MC Scow/Sailor 15						
Scott Troeger #1489	1	1	DNS			
Jeff Smitley #2002		4		21081		
Harold Cranmer #1991/2550	4	5	4			15 100.0%
Bill Luecht #1579	6	2				15 100.0%
Phil Vitale #500	5	8	6			
Bob King #1199	7		2	11765	1307	9
Barb Cassady #2435						
Pat McGann #1735	2	6	7			
Gib Eberhart #916	8	7		11136		8
Maggie & Tom Cassady	9	DNS	DNS		1024	16.7%
Sunfish/Sailor 17						
Rick Russwurm (Green/Blue) .						
Peter Soldato						
Mike Lutz (Blue/Red/Yellow)						
Herb Cleveland						
Sandy Vitale (White)	2	2	5		1354	8
Stewart Spratt						
Katie Luecht						
Bob Niezgodski	6	4	7		1198	17 100.0%
Stefan del Rossi	DNS	DNS	DNS		1180	
Bill Butler	7	DNF	DNS	10369	1152	8
Greg Cowan	DNS	DNS	DNS		1139	
Camille Butler						
Brad Davis	DNS	DNS	DNS		1111	
DNS (Did Not Sail) does not count against se						

DNF (Did Not Finish), DSQ (Disqualified) scores as one place worse than last place (if 5 boats finished, you would have finished 6th, will be scored as 7th place).

DNF, DSQ not counted toward minimum number of races needed.

CB - sailor who serves on Committee Boat receives their season average place as of that date - counted toward season total.

SEASON POINTS are awarded on Square of 40 system (1st = 40 squared = 1600, 2nd = 39 squared, etc.)

SEASON PLACE = total season points/number of races attempted CREW - Counted toward completed races. Points go to skipper of boat



Hunting, Fishing licenses, bait available

2016 BLYC FALL DINNER

Saturday August 27th at the Yacht Club Door prizes!

It's a **Black and White** Party

Dress in casual black and/or white

Social Hour 5:30

Beer and Wine

Wine tasting and food provided by Bacon Hill Kitchen and Pub

Appetizers

Crostini with shrimp, avocado, sweet chili aioli with sesame seeds Sausage and Goat Cheese Stuffed Dates Wrapped with Crispy Bacon

Dinner 6:30

Spring greens with toasted sunflower seeds, strawberries, blueberries, red onion, croutons, and lemon poppyseed vinaigrette Assorted artisan breads and cornbread muffins with sweet honey butter Smoked Pork Loin with strawberry balsamic barbeque sauce Roasted potatoes with parmesan and garlic Sugar snap peas with pine nuts Assorted Banana, Boston, and Chocolate cream pies

Year End Wrap Up 7:30

Ticket Price: \$25.00

All tickets must be purchased by August 20th

Please see the following to purchase your ticket:

Carla Chester 476-1010

Vickie Rogers 476-2383 Katha Machalleck 476-2642

Julie Sheffieck 476-1849

49 Michelle Seyfarth 476-1319

Tickets must be purchased in advance and presented at the door

Barker Kids of the Week —



Greg and Marcia Bolin's (west side) new dog Annie and Jack enjoying the lake. Thanks to NICK BERGAN for the photo



5" Water Wells

Repair & Service Most Water Pumps

"Promise of Quality

M-60 E Cassopolis

> Office: 269-445-3246 Cell: 269-580-3246 Fax: 269-445-0008



That's our granddaughter Morgann Applegate in a "glamor" shot ... Morgann (as well as four of our other grandchildren) just finished camp and are busy getting ready for school to start. Morgann also had to move with her father to central Illinois and start at a new school. Good luck at school!

KID-OF-THE-WEEK PHOTOS Mail your kid-of-the-week to Birch Barker, 63174 Birch Rd. Vandalia MI 49095: put them in a ziplock and stick

Rd., Vandalia, MI 49095; put them in a ziplock and stick them in the stone mailbox at my home (east side), or email to me at SAILORPHIL@PHILVITALE.COM



wakesidemarine.com

Barker Kids of the Week —



Apparently the late rock star Prince made a "return" appearance to join the boys at last weekend's annual Sausage Fest at the Kinzler's (west side).

thanks to JOHN DECLOEDT for the photo



Birch Lake (Cove) Home 62746 Woodland Drive

Newly remodeled 3 BR home on Birch Lake! New gas furnace and central air with all new duct work. New well and all new windows. New Nantucket bead board kitchen cabinets and all new appliances including a main level laundry area. Bath has all new fixtures. Open concept living and dining area with brick fireplace and skylight. Loft with bedroom, enclosed front porch and deck. All new flooring and newly insulated walls and drywall. Move in ready! \$289,900



susie@susietucker.com 574-320-6697



ATTENTION SELLERS: LISTINGS NEEDED TO FILL OVERWHELMING DEMAND FROM BUYERS! CALL ME FOR A FREE MARKET ANALYSIS OF YOUR PROPERTY.



- Barker Kids of the Week -



Bad Patty and son John Luecht are Barker Kids of the Week ... John took a week's vacation from his job at McDonald's to spend time at the lake.



Dave's Residential Services Home: (269) 476-2797 Wireless (269) 362-0724 davehardisty@comcast.net

Handyman Repairs

* Roof to basement - inside and out
*Floors, doors, stairways, ceilings and windows
*Siding, roofing, driveways and sprinklers
*Decks and fences; fascia and soffits
* Plumbing, electrical, heating and A/C

Home Maintenance

* Painting - interior and exterior *Gutters and chimney cleaning & repair *We do windows *Power washing, insulation and weatherproofing

Lawn Care

* Spring and fall yard clean up
*Tree and shrub trimming
* Rototill our garden
*Mowing and Trimming
*Fertilizing

Property Management

* Reliable caretaker
* Fulfills all absentee homeowner's needs
* Periodically checks your property

- * Provides second home peace of mind * Call for all lake property requirements
- FIREWOOD AVAILABLE



ars, Antares, and Saturn remain tightly grouped this month, although Mars begins to move away from the others at month's end. By then Venus will be inching its way into the early evening twilight, beginning a long run as the Evening Star. One of August's greatest treats, though, is the Milky Way, which arcs overhead by midnight. It's anchored in the south by one of my favorites, tea-pot shaped Sagittarius, which is next door to Scorpius, home to Antares and the temporary home of Mars and Saturn.

The Milky Way Galaxy is an immense and very interesting place. Not only does it measure some 120,000 light-years in diameter, it is home to planet Earth, the birthplace of humanity. Our Solar System resides roughly 27,000 light-years away from the Galactic Center, on the inner edge of one of the spiral-shaped concentrations of gas and dust particles called the Orion Arm.

But within these facts about the Milky Way lie some additional tidbits of information, all of which are sure to impress and inspire. Here are ten such facts, listed in no particular order:

1. It's Warped:

For starters, the Milky Way is a disk about 120,000 light years across with a central bulge that has a diameter of 12,000 light years. The disk is far from perfectly flat though. In fact, it is warped in shape, a fact which astronomers attribute to the our galaxy's two neighbors -the Large and Small Magellanic clouds.

These two dwarf galaxies, which are part of our "Local Group" of galaxies and may be orbiting the Milky Way, are believed to have been pulling on the dark matter in our galaxy like in a game of galactic tug-of-war. The tugging creates a sort of oscillating frequency that pulls on the galaxy's hydrogen gas, of which the Milky Way has lots of. 2. It Has a Halo, but You Can't Directly See It:

Scientists believe that 90% of our galaxy's mass consists of dark matter, which gives it a mysterious halo. That means that all of the luminous matter, i.e. that which we can see with the naked eye or a telescopes, makes up less than 10% of the mass of the Milky Way. Its halo is not the conventional glowing sort we tend to think of when picturing angels or observing comets.

In this case, the halo is actually invisible, but its existence has been demonstrated by running simulations of how the Milky Way would appear without this invisible mass, and how fast the stars inside our galaxy's disk orbit the center.

The heavier the galaxy, the faster they should be orbiting. If one were to assume that the galaxy is made up only of matter that we can see, then the rotation rate would be significantly less than what we observe. Hence, the rest of that mass must be made up of an elusive, invisible mass, aka. dark matter or matter that only interacts gravitationally with "normal matter".

3. It has Over 200 Billion Stars:

As galaxies go, the Milky Way is a middleweight. The largest galaxy we know of, which is designated IC 1101, has over 100 trillion stars, and other large galaxies can have as many as a trillion. Dwarf galaxies such as the aforementioned Large Magellanic Cloud have about 10 billion stars. The Milky Way has between 100-400 billion stars; but when you look up into the night sky, the most you can see from any one point on the globe is about 2,500. This number is not fixed, however, because the Milky Way is constantly losing stars through supernovae, and producing new ones all the time

(about seven per year). 4. It's Really Dusty and Gassy:

Though it may not look like it to the casual observer, the Milky Way is full of dust and gas. This matter makes up a whopping 10-15% of the luminous/visible matter in our galaxy, with the remainder being the stars. Our galaxy is roughly 100,000 light years across, and we can only see about 6,000 light years into the disk in the visible spectrum. Still, when light pollution is not significant, the dusty ring of the Milky Way can be discerned in the night sky.

The thickness of the dust deflects visible light but infrared light can pass through the dust, which makes infrared telescopes extremely valuable tools in mapping and studying the galaxy.

5. It was Made From Other Galaxies:

The Milky Way wasn't always as it is today - a beautiful, warped spiral. It became its current size and shape by eating up other galaxies, and is still doing so today. In fact, the Canis Major Dwarf Galaxy is the closest galaxy to the Milky Way because its stars are currently being added to the Milky Way's disk. And our galaxy has consumed others in its long history, such as the Sagittarius Dwarf Galaxy.

6. Every Picture You've Seen of the Milky Way Isn't It:

Currently, we can't take a picture of the Milky Way from above. This is due to the fact that we are inside the galactic disk, about 26,000 light years from the galactic center. It would be like trying to take a picture of your own house from the inside. This means that any of the beautiful pictures you've ever seen of a spiral galaxy that is supposedly the Milky Way is either a picture of another spiral galaxy, or the rendering of a talented artist.

7. There is a Black Hole at the Center:

Most larger galaxies have a supermassive black hole (SMBH) at the center, and the Milky Way is no exception. The center of our galaxy is called Sagittarius A*, a massive source of radio waves that is believed to be a black hole that measures 22,5 million kilometers (14 million miles) across, about the size of Mercury's orbit. But this is just the black hole itself.

All of the mass trying to get into the black hole, called the accretion disk, forms a disk that has 4.6 million times the mass of our Sun and would fit inside the orbit of the Earth. Though like other black holes, Sgr A* tries to consume anything that happens to be nearby, star formation has been detected near this behemoth astronomical phenomenon.

8. It's Almost as old as the Universe Itself:

The most recent estimates place the age of the Universe at about 13.7 billion years. Our Milky Way has been around for about 13.6 billion of those years, give or take another 800 million. The oldest stars in our the Milky Way are found in globular clusters, and the age of our galaxy is determined by measuring the age of these stars, and then extrapolating the age of what preceded them.

Though some of the constituents of the Milky Way have been around for a long time, the disk and bulge themselves didn't form until about 10-12 billion years ago. And that bulge may have formed earlier than the rest of the galaxy.

9. It's Part of the Virgo Supercluster: As big as it is, the Milky Way is part of an even larger galactic structures. Our closest

The Moon for this Saturday (At Midnight, US Central time, as viewed from the Northern Hemisphere) Illuminated Fraction: 0.890 2.9 days after full moon



Sunset: 8:37pm Moonrise: 10:04pm Moonset: 9:26am Day length: 13h 40m

neighbors include the Large and Small Magellanic Clouds, and the Andromeda Galaxy, the closest spiral galaxy to the Milky Way. Along with some 50 other galaxies, the Milky Way and its immediate surroundings make up a cluster known as the Local Group.

And yet, this is still just a small fraction of our stellar neighborhood. Father out, we find that the Milky Way is part of an even larger grouping of galaxies known as the Virgo Supercluster. Superclusters are groupings of galaxies on very large scales that measure in the hundreds of millions of light years in diameter. In between these superclusters are large stretches of open space where intrepid explorers or space probes would encounter very little in the way of galaxies or matter.

In the case of the Virgo Supercluster, at least 100 galaxy groups and clusters are located within it massive 33 megaparsec (110 million light-year) diameter. And a 2014 study indicates that the Virgo Supercluster is only a lobe of a greater supercluster, Laniakea, which is centered on the Great Attractor.

10. It's on the move:

The Milky Way, along with everything else in the Universe, is moving through space. The Earth moves around the Sun, the Sun around the Milky Way, and the Milky Way as part of the Local Group, which is moving relative to the Cosmic Microwave Background (CMB) radiation - the radiation left over from the Big Bang.

The CMB is a convenient reference point to use when determining the velocity of things in the universe. Relative to the CMB, the Local Group is calculated to be moving at a speed of about 600 miles/second, which works out to about 2.2 million MPH. Such speeds stagger the mind and squash any notions of moving fast within our humble, terrestrial frame of reference!

Get out there and enjoy the show. I know I will. But I'm about done telling you about it.

~Stu Spratt Celebrating more than 52 Years at Birch Lake

YOUR HOROSCOPE

Aries (March 21-April 19) Get whatever training or specific experience you need so that you are performance ready in 2018! To put this in perspective, the last time you had this kind of culmination or time when you felt proud of your achievements was in the late 80s.

Taurus (April 20-May 20) This continues to be a time where home, family and your private life are your top priority. In the bigger picture, this means you can get a better job or improve your existing job in a number of ways. The last time you had this good fortune with your employment scene was 2005; and before that, during 1993. When you correlate these dates, it should be encouraging news for you!

Gemini (May 21-June 20) Your busy pace continues with short trips, errands and conversations with everyone. You are busy entertaining at home as well as dealing with plans to redecorate and renovate. Your rewards for all this hard work will pay off because it will herald a year-long window of parties, vacations, romantic opportunities, enjoyment of the arts, plentiful social diversions and fun activities with children.

Cancer (June 21-July 22) "Money, money, money!" Your ability to wheel and deal, buy and sell, and make a great impression on others is strong now because your communication skills are tops. You will have wonderful real-estate opportunities, as well as chances to improve or enlarge your home. You might move to bigger and better digs. Leo (July 23-Aug. 22) This week new activities will be exciting and adventurous! In fact, you are keen to study new things and explore new areas, especially science, astrology and the occult. Do something different to satisfy your urge for adventure. When it comes to money, you are focused. And yes, you might be focused about how you spend it.

Virgo (Aug. 23-Sept. 22) Pretty soon, you'll be clicking your heels and singing, "We're in the money." It will also attract money-making opportunities to you. In fact, in general way, it will increase your assets and your sense of wealth. Meanwhile, you are making repairs to where you live or doing major renovations so that you can establish a secure base for yourself and your family.

Libra (Sept. 23-Oct. 22) This continues to be a popular time, which is why you are involved with friends and groups. This is an excellent time to set future goals. Traditionally, this is a time when many will change jobs or residences or both. The only downside is it could attract weight i.e. flesh to the bone. Write down some goals.

Scorpio (Oct. 23-Nov. 21) You continue to be high viz. because the Sun is at the top of your chart making people notice you more than usual, especially bosses, parents and VIPs. Use this to your advantage and ask for what you want because people are receptive to your demands and requests. Relations with friends are positive right now. If you don't know what matters to you - then it's tough to make a decision! **Sagittarius (Nov. 22-Dec. 21)** Your travel vibes are still strong! Yes, grab every opportunity to blow town that comes your way. And something will because at the beginning of this week something unexpected could trigger travel or opportunities in publishing, medicine, the law or a chance to get further education and training. Because people admire you and your achievements, they are willing to help you.

Capricorn (Dec. 22-Jan. 19) Continue to focus on wrapping up loose details regarding banking, loans, debt, taxes and anything to do with shared property and inheritances. Don't let this stuff pile up. And whack away at your debt because you hate to be in debt. Travel opportunities continue to delight you

Aquarius (Jan. 20-Feb. 18) Continue to get more sleep right now because you need this. It's also important to know that for the next month or so, your opportunities to get a loan or a mortgage are fantastic. Make the most of this blessing if this is something you want to do. This is particularly good news for anyone who wants to study or enter school or take some kind of training.

Pisces (Feb. 19-March 20) The stars still urge you to get better organized. Do everything you can to make your life function in a way where your efforts count. In other words, you are productive and efficient! A surprise opportunity to get a better job or some high-tech equipment might arise at the beginning of the week. If so, you will have to act fast because this window of opportunity is brief.



BIRCH BARKER FUNNIES

The hacker was so disappointed in my bank account

...he started a Go Fund Me page.

If you don't get it, you're too young





Backin the day... This is how we blocked people.



WANNA GO ON A PICNIC?

ALPACA LUNCH

I LEAVE MY HOUSE A MESS SO WHEN FRIENDS VISIT THEY GO HOME FEELING BETTER ABOUT THEIR OWN HOUSEKEEPING SKILLS.

I'M JUST THAT GOOD OF A FRIEND.



THAT'S THE SIXTH WALK TODAY





Provided Exclusively to the Birch Barker from Mrs. Ima Foodnudge

Zucchini cake with cream cheese applesauce icing

- Ingredients:
- 3 eggs
- 1 cup vegetable oil
- 2 cups white sugar
- 2 teaspoons vanilla extract
- 2 1/3 cups all-purpose flour
- 1/4 teaspoon baking powder
- 2 teaspoons baking soda
- 1 teaspoon salt
- 2 cups shredded zucchini, squeezed dry
- 1 (8 ounce) package cream cheese, softened
- 3 tablespoons butter, softened
- 1/2 cup cinnamon-flavored applesauce

- 1 teaspoon ground nutmeg
- \blacksquare 2 cups confectioners sugar, or to taste
- Directions:

■ Preheat oven to 350 degrees F (175 degrees C). Grease a 9x13-inch baking dish.

 \blacksquare Beat eggs, vegetable oil, white sugar,

and vanilla extract in a large bowl until Bake in the preheated oven until the cake is lightly browned and a toothpick inserted

- Beat cream cheese and butter in a bowl until smooth; stir in applesauce and nutmeg.
- Stir the flour mixture into the wet in-

gredients and mix in zucchini. Transfer ■ Bake in the preheated oven until the cake is lightly browned and a toothpick inserted into the center comes out with moist crumbs, about 40 minutes. Let cool completely.

■ Beat cream cheese and butter in a bowl until smooth; stir in applesauce and nutmeg.

■ Mix in confectioners sugar until the frosting is smooth and workable; spread on cooled zucchini cake. Mix in confectioners sugar until the frosting is smooth and workable; spread on cooled zucchini cake.

<u>Birch Barker Sudoko</u>

Puzzle of the Week

	1		9			6		
3	5			7				8
3 4			8					
5	6			1	4			
	7						6	
			5	6			4	9
					3			5
7				8			3	6
		1			6		2	

— Camp Tannadoonah — Camp's over for the season!

e've officially wrapped up camp for the summer! We ended up with a grand total of 909 campers, which is 52 more than we had last year, and another new record for Camp T. Ten years ago, in 2006, we finished the summer with 351 campers. This is the first time we've hit 900 ever!

Friday night the weather held out for our council fire, Order of the Birch, and Legend Tree Ceremonies. Then we lined up the campers and started towards the waterfront for the annual candlelight serenade.

Unfortunately, by the time we all got down the stairs, it was a full downpour and we were all drenched!

We weren't able to sing to those gathered on their boats, and our candles went out as soon as we set them in the lake!

Saturday all of the campers headed home in the morning, and our staff started working on cleaning up and closing up camp. They cleaned their cabins, inventoried all the equipment at their activities, brought all the equipment to Main and Morris to store for the winter, and hauled all the boats, paddles, lifejackets, and other gear up from the waterfront. It's a long day for sure! Once everything was cleaned up, we had a staff celebration dinner of Chipotle, followed by a slideshow of staff photos from the summer. Some staff members, especially those who live far away, spent one last night at camp, and by noon on Sunday everyone was headed out. Some of our counselors even had flights home on Sunday morning!

It's always exciting to know we've made it to the end of another summer, but a bit sad to say goodbye to the last group of campers and the staff. It seems like we work so hard in the spring and early summer to get ready, and then the summer just flies by and suddenly it's over!

This fall we have many events booked at camp, and projects planned. There is a wedding this coming Saturday (August 20), and another wedding the following weekend (August 27). Then we have a Notre Dame student group coming in for a retreat on Friday, September 2, a family reunion on Saturday, September 3, and another wedding on September 10.

The week of September 12, we will have the roofs replaced on the Shower House, Dining Hall, and Morris Lodge – all will be getting new green metal roofs to match the store! Then we have a Girl Scout troop camping out the weekend of September 24, and finally our Fall Camp and Family Camp the weekend of October 1. Then we head into the closing up portion of the fall, when we start cleaning out buildings, turning off the water, and of course, raking lots of leaves!

This fall, Michelle and I will also be working hard on getting a new afterschool program started. We are still working out the details, but hope to have a program up and running by the start of the 2nd semester in January.

This is a new direction for our Camp Fire council, but something that Camp Fire councils across the county have been offering for some time. We will provide after school supervision, homework help, activities, snacks, and educational programs from the end of the school day until about 6 pm. We just don't know where it's going to take place yet! We're excited to get working out all the details now that camp has wrapped up for the summer.

Hope to see everyone out on the lake now that I have a little more time to be at home and enjoying the water!

~Miss Amber





CLASSIFIED ADVERTISING

FOR SALE Moomba Inboard Ski Boat.

Package includes trailer and remote-powered boat lift with full cover. Great for skiing, tubing or just cruising around the lake. Used ten summers ... has low hours. Excellent condition ... recent tune up and inside detailing. Interested? Call Bud (269) 476-2526 - east shore



For sale golf caddy cart call 476-7073

For Sale: Top and complete frame from Hurricane 196 Fun deck. Will fit any deck boat, approximately 90" wide. Like new. Asking \$400. Call Jim. 574-276-7903.

For Sale: Shore Station, 3.000 lb aluminum, \$200, Call 708-307-4324, Bill Odenwald.

For Sale: Paddle Boat with Canopy. Very good condition. Reduced to \$50. Call 317-752-2184 Gus Eshleman

Boat For Sale. 1989 Sun Ray speedboat with boat cover, trailer, and boat lift with cover \$3,000. All in good condition. Please call 476-2744

WANTED Looking for lake rentals for next year starting June 10 through 24, 2017! May need 2 cottages. Location not important. Please contact Patty Luecht at 269-476-2615, text 317-605-6421 or email: pgalloway4@yahoo.com. Thanks!

WANTED SUNFISH - I am looking for a newer Sunfish in great condition to race and teach my wife and grandkids to love sailing. Pat McGann call or text 574-532-5377, or email pat@mcgannhay.com.

Camp is also looking for a gas-powered wood splitter. If you have one that doesn't get much use and you're interested in selling (or donating!) it, please contact Amber at 574-387-6095.

FOUND

Found: Styrofoam noodle (pink) and boogie board (blue). Call Tom Kuhn 708-772-7373/Jan Temple (847-846-8600)

This floated up on our shore.

We are on the east side located at 63418 **Birch Rd**

SERVICES

I do sewing and mending at fair prices - zippers, hemming, small alterations; call Kathy at 476-9317

LOST

Black canvas table cover from our pontoon boat. It's about three foot square.. Lost on the North Shore. If found please call Roger at 269-217-9291.

Lost: Light blue and gray life jacket. Has Butler written on the inside. If found please call 476-9905 or 574-304-1799 or return to the butlers on the west side

BIRCH BARKER CLASSIFIEDS

Classified ads in the Birch Barker are free to paid members of the Birch Lake Yacht Club

> Ads are \$5 per ad for non-members (please pay in advance).

To submit an ad, email it to Sailorphil@philvitale



- Mowing
- Edging
- Spring/Fall Clean UP

Prime Property Care

Gavin Francis 313 North O'keefe St. Cassopolis, MI 49031 (269) 591 9848

- Hedges
- Gutter Cleaning
- Rock/Mulch Installation

gavinfrancis@rocketmail.com



Not just a will. A way.

Estate planning is more than having a will. It's a way to protect what matters most.

You've worked hard to build a life for you and your family here in southwestern Michigan. And Tuesley Hall Konopa will work equally hard to make sure the things that matter most to you are passed along to your loved ones. Estate planning is one of our firm's signature legal services and our experience will help assure your legacy is protected and your wishes honored.

To learn more about the estate planning capabilities of our firm as well as our business counsel and civil litigation/mediation services, visit our website ΗK or call us. We're right here in Cass County. Right here for you.



TUESLEY · HALL · KONOPA LLP attorneys UNDERSTANDING. INSIGHTFUL. EFFECTIVE. 21550 Shore Acres Rd. • Cassopolis, MI • 269.445.1818 • thklaw.com

BLYC Officers and Directors

2016 BLYC Officers Comm. Sue Williams (S)476-8886 Ed	Choster (F)	gbolin31@aol.com 476-1010	Bob Waddle (E)
smwillia@comcast.net		ed@chesterlawoffice.com 574-264-6817	PJ Vandewalle (H)
claudia2154@gmail.com	. ,	dhcranmer@yahoo.com 476-2814	Alan Van Huffel (S)
debspratt@comcast.net		s581122@aol.com 476-1467	Phil Vitale (E)476-1680 sailorphil@philvitale.com
mcsheff@aol.com		celia.fallon@gmail.com 476-9823	Sandy Vitale (E) 476-1680 sandra.vitale@franciscanalliance.org
mmtlconcrete@aol.com		cdfreihofer@aol.com 476-2383	NON-DIRECTOR ATTENDEES: Jim Bolinger BLYC Homeowners' Association
Patty Luecht (E) Past Comm476-2615		tvrogers@frontier.com 476-2407	Chairman (E)
Chas Grundy (H)	. ,	paramountp@aol.com 	Paul Fallon, BLYC Water Quality Committee Chairman (E)
Greg Bolin (W)476-2420		scott.troeger@btlaw.com	paulf@hrpconstruction.com
	Small! Small!	CHIMN SWIF SWEE We Keep Your Ch Safe and Draffing F	T <u>P S</u> Ron Colborn (574) 514-4831
Haver THER	E'S S	our 2016 dues y TILL T t our Birch Lake (IME!
\$ BLYC Member Dues (\$30 / year	•)	Total contribution:	
 BLYC Associate Member* Dues *Associate membership is available to current asso and for non-lake residents who wish to support 	ciate members	\$_	
\$ Homeowners' Assoc. (\$10 / year	·)	Name	
\$ Sailing Fees (\$15 / year)			
\$ Building Improvement Fund		Address	
\$ Fireworks Fund			
 \$ Fireworks Fund \$ Water Quality Program 			
\$ Water Quality Program			
		Ma	ke checks payable to
 \$ Water Quality Program \$ Milfoil/Loosestrife Eradication 		Ма	ke checks payable to

- Misc.

18100 Farmington Hills Dr. South Bend, IN 46637



We've Got You Covered!



SUMMER'S HERE! CALL US TODAY!

- Retractable Awnings for Deck & Patios
- Roll Curtains for Screened Porches
- Boat Covers and Tops
- Canvas Repair
- Aluminum Awnings



SALES • SERVICE • INSTALLATION

Call us for a free at-home demonstration!

Locally owned and operated since 1985

