



Gateway Gazette

Monthly Newsletter of the St Louis Chapter Buick Club of America

Volume XXXIX No. 12 December 2020

Director's Letter

December 2020

Greetings,

First, reflecting back on November, a month of Thanks and Giving:

November is a month when we say: "Thank You" to our Veterans.

Following in the Gazette is a tribute to the Veterans who were able to make the November meeting. Unfortunately, thanks to Covid, we had a very small representation for our Veterans this year. So going forward, to make sure we recognize "all" of our Military Veterans, we have created a new Veteran's Registry. The Veteran's Registry will be added to our website and is available below in this month's Gazette. We also added a request for Veteran's Information, on the Club's Membership Form. If you are a Military Veteran, and your name is not included in our registry or if you would like to change or update your information, please let me know.

**November is also a month when we share with those in need.
O.A.S.I.S. Food Pantry, St. Charles, MO**

To say our November Food Drive was a success would be a major understatement. Needless to say, I was truly humbled by your generosity. In the past, our donations were limited to the food items that were brought to the November meeting by those attending. Thanks to the pandemic, attendance is running at record lows, so we needed to find another way to have a successful campaign for our food drive. Like I've said before; "Pandemic or no Pandemic, we still have needy people." And with the pandemic, we even have more folks in need. For this year's Food Drive and our Toys-for-Tots Drive, we added an option to allow members to make a donation by mailing in checks and we would do the shopping. This has proved to be a very successful option for both projects. For the O.A.S.I.S. Food Drive we were able to buy over \$370.00 worth of groceries with the money received. When shopping, we focused on "meat" items that the Food Pantry had flagged as items in need. We purchased canned hams, tuna, chicken, chili with meat, and beef stew.



The back of Jeanne's little Laura Buick GMC Terrain was packed to the max. The box on the ground was full of cans and pretty much exceeded my lift capacity. Somehow we managed to stuff that in the back seat. This was the first time the Terrain was loaded to the point that the rear-end was dragging.



Everything unloaded and placed on the table ready for O.A.S.I.S to breakdown and put on shelves.

A Gracious "Thank You" to all...!!!

Upcoming Events:

- The December 6th – Christmas Party / Monthly Meeting: **CANCELLED**
- December Toys for Tots Drive: **CONTINUES...!!!**
- **January 10th, at 4:00 pm, we kick off the New Year with our annual Holiday Party and monthly meeting at CJ Muggs in Webster Groves.**

And most of all, wishing you and your families a Happy Holiday, with God's Blessings to all...

Chet

Meeting Minutes, November 2, 2020

- The November meeting was held at the Sport's Café in Bridgeton, MO, and was facilitated by Chet Palumbo, Director. 13 Members were present.
- Chet opened the meeting with **The Pledge of Allegiance** of the United States and recognized the Military Veterans in our club and thanked them for their service:
 - An empty chair was provided to recognize our beloved David Smith, Korean War Veteran who passed away this year.
 - Message by Pete Nathan: Pete gave a moving speech on all the lives sacrificed in the US military throughout the World Wars, Korea and Vietnam wars and what the American flag means to him. He also read a special poem on veterans from the Vietnam conflict. The poem's ending asked that anyone who sees a Vietnam vet sporting a cap identifying his service in this war to thank him and say "Welcome home".
- Chet thanked everyone for attending and luxury chocolate cupcakes were provided for all in celebration of Veterans Day.
- Chet thanked everyone for their contributions to our annual food drive. Chet and Jeanne will continue shopping tomorrow for those who made cash donations. Food will be delivered to O.A.S.I.S Food Pantry in St. Charles.
- **In compliance with Covid-19 Guidelines**, members were required to wear masks when not eating, the Club provided Masks, Gloves, and Hand Sanitizer to those who forgot.
- **October Meeting Minutes:** Motion made by Bill Landers to approve the September Meeting Minutes, second by Bob Brasses, and approved by all.

Member News:

- Pat Bulfin, had a cardiac arrest on July 29th while at work. He received his pacemaker on October 6th and is recovering from home.
- Bill Bicknell's wife has been cleared from a bout of lung cancer.

Treasurer's Report: (Pete Nathan).

- **Club Account:**
- **50/50 Charity Fund:**
- **Regional Account:**
- **Motion made by Bob Brasses to accept the Treasurer's Report, second by, Bill Landers approved by all.**

BCA Club News:

- **National News:**
 - 2021 50th Buick National Dual Meet Celebration
 - Charlotte, NC June 30th – July 3rd, 2021 (Concord, NC)
 - Cleveland, OH, July 7th – 10, 2021 (Strongsville, OH)
 - **Bugle Distribution:**
 - The November and December issues of the Bugle will be a week or two late.
 - Art Director, Shannon Olson fell and broke her right ankle and suffered a serious sprain on her left ankle. She is recuperating at home after surgery.
- **Regional News:**

- 2021 Heartland Regional Meet, Chesterfield, MO. September 08 – 11, 2021
- Gateway Buick Performance Chapter (BCA).
 - Next Meeting: November 7th Café Telegraph / Christmas Party: Dec 13th JJ's St. Charles

Old Business:

- 2020 Dues are Past Due – See Pete Nathan.
 - September 26th, “Friendly Reminders” were sent to 18 members who have not paid their dues for 2020, Bylaws state, “Any member who shall have failed to pay dues within two months after they become due shall cease to be a member. “
 - 8 renewals received.
 - 5 members on probation (no dues paid for 2020)
 - 5 members removed from distribution (had not paid dues for multiple years) Hereafter, will not receive the Gateway Gazette publication.

New Business:

- 2021 Heartland Regional Event:
 - Host Hotel: Doubletree Hilton in Chesterfield, MO, September 08 - 11th.
 - Sponsorship: St. Louis Buick Dealer Advertising Association.
 - October 6th, the new web link is available for scheduling rooms for our 2021 event.
 - 2021 Event Registrations: 1 (Bill Landers)
 - 2020 Regional Shirts - will be used for 2021 Heartland Regional
 - Available for sale, see Chet. Tee Shirts \$15.00 and Polo Shirts \$20.00
- Board of Director at-large position:
 - A member-at-large is required to fill the remaining term of Dave Smith’s position. Term runs from May 1, 2020, to April 30, 2022.
 - A member has already expressed interest in this position. If anyone else would like to be considered, please contact Chet before the next meeting.

Upcoming CLUB Events:

December 6th – Christmas Party / Toys for Tots Drive / Monthly Meeting ~ (RSVP Required)

- Starts at 11:30 a.m.
- The Old Spaghetti Factory
- 17384 Chesterfield Airport Rd – Chesterfield, MO 63005 (636) 536-9522
- Will support Social Distancing 10 per table, 6’ apart
- <https://www.osf.com/>
- *** Don’t forget to bring a toy for Toys for Tots ***

January 10th – Monthly Meeting / Holiday Party ~ (RSVP Required)

- CJ Mugs in Webster Groves
- Starts at 4:00 p.m.
- Address: 101 W. Lockwood Ave, Webster Groves 63119 • (314) 963-1976
- Will support Social Distancing to whatever makes us comfortable
- Room has separate HVAC system, not connected to restaurant

Upcoming Events (OTHER):

50/50 Drawing:

Next Meeting:

December 6th — Christmas Party / Toys for Tots Drive / Monthly Meeting ~ (RSVP Required)

Cancelled

Motion to adjourn made by Bob Brasses, Seconded by Bill Landers. Approved by all at 7:20pm

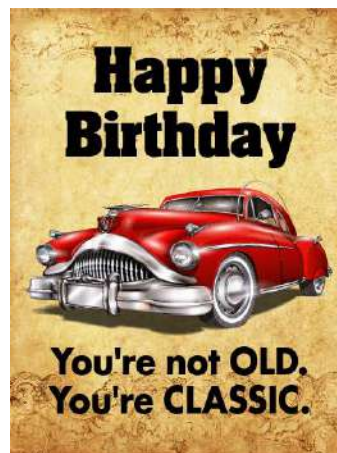


December Birthdays

Barb Knudsen
Ginny Landers
Jeanne Palumbo
Nan Johnson
Susan Pollmann
Vic Nettle

December Anniversaries

Bill & Ina Bicknell
Aaron & Rhonda Ford
Bob & Barb Brasses
Gary & Janet Heim



Member Spotlight

Larry Longworth

By Monica Ledwon

This month's Gateway Gazette features Larry Longworth, a stalwart member who's also the Chairman of our smaller Buick Performance Division. Larry loves all GM G bodies and owns a 1986 Buick Regal with the rare T-Type style.

Born in 1955, Larry's roots originated on Sidney St. in South city. But in 1961, he moved with his family to experience small town rural life in Huzzah, Missouri (halfway between Steeleville and Potosi). Growing up on a farm, he cut his teeth on tractor repair and began tinkering when he was old enough to hold onto a wrench. Fascinated by how things work, he once dismantled his parents' bed down till the last mattress slat lay on the floor. Larry remembers his behind did sting for a while after that!



After returning to South city again in 1969, he graduated from Cleveland High School. Right after, Larry began his life's work as a mechanic and welder fabricator. He met his wife, Nancy, in high school and has been with her ever since, married for 45 cherished years. Their two grown offspring are Brian and Dawn.

Larry's first cool car was a '55 Chevy. Later, he turned to the drag racing scene driving his childhood buddy's '69 Camaro and working together on the car's performance engine. He fondly recalls those track races affectionately called, "Run What You Brung".

In the 80's, Larry acquired a 1957 Buick Roadmaster 2dr HT and joined the Gateway Chapter briefly. He also collected some Buick and Chevy G bodies during that time. This interest led to him owning several generations of Montes during the mid-eighties. One included the unique '87 Monte Carlo SS Aero. An Aero was an option of having fastback rear window glass with a beveled aerodynamic roundness.

Larry also took in an '86 Regal Gran National which was somewhat a basket case formerly owned by member Harold Raukow. But, as child rearing consumed his time and focus, Larry became a bit burned out on trying to do a frame-off restoration on this Regal. It went on the

back burner. He decided family comes first, sold most of his collectible fleet and dropped out of the Gateway Chapter for a time.

After the kids were on their way to adulthood, Larry decided he wanted a turnkey Regal Buick. He knew Harold had an '86 T Type 95% original with 45K miles on the odometer. After contacting him, negotiating, and bartering the Gran National with parts, a deal was made. Larry trailered the T Type to his home in Arnold, Mo. and has been consistently dedicated to keeping it in original condition.

Joining the Gateway Enthusiasts Club for a few years, Larry investigated coming into the BCA as a satellite group belonging to the local Gateway Chapter. Both groups agreed



that comingling the clubs is a fine idea and the Performance Division of the Gateway Chapter was born. Larry holds the position of chairman.

Being partnered up with Larry for so many years, Nancy, too, has always wanted her own GM G body--a Monte Carlo model. So, recently, Larry hunted down an '86 Monte Carlo Luxury Sport Edition and found one rust free with 32K in Connecticut. He truly based his faith in the seller's positive comments about the car and hitched up his empty trailer to make the cross country pick up. Now they each drive their GM sisters which Larry says are so alike in build that their frames match up!



Being in retirement these days, he enjoys fishing and boating on his property at Goose Lake, Missouri. But, ever passionate about the cars and the melding of our clubs he believes a Buick is a Buick. We should be parked together at events and not made separate. Larry invites all Gateway Chapter members to also join in at the Performance Division's meetings the second Sunday of the month to expand our great camaraderie. Car club enthusiasm seems to just bubble up from Larry Longworth!

Gazette Giggle



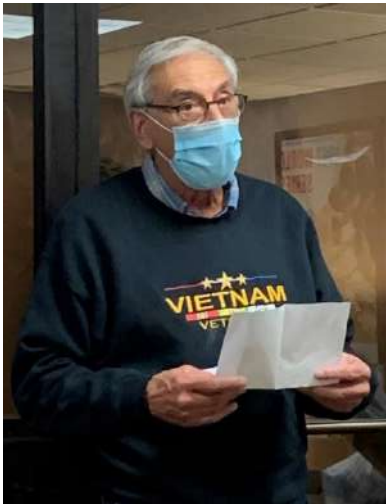
I ran into a guy recently who was dutifully wearing his Covid mask. He told me that he wears his mask all the time because he has 4 high risk factors:

1. He is old
2. He has diabetes
3. He has a bad heart
4. He is so ugly that he fears if he does get the virus that no doctor in his right mind would want to save him.



Gateway Buick Club Honors Its' Veterans

One of the time-honored traditions of the Gateway Buick Club is the reciting of **The Pledge of Allegiance** to begin each meeting. We unfurl a small flag and hold it in display at the front of the meeting location. We reverently remove our head coverings, hold our hand over our heart and recite the pledge. This tradition was started by Air Force veteran and former local and national club director, Paul Meyer. Along with carrying on the tradition of Army Veteran, Dave Smith, saying "Play Ball" at the end, these are traditions that will always remain with us.



At the recent November meeting, Pete Nathan gave a very moving and emotional speech about the meaning of our flag and the significance it holds to our country. The emotion in Pete's voice as well as the emotions on those of us in attendance was quite visible. Pete reminded us of the cost in human lives that the freedoms we all enjoy, as represented by that flag, have been hard fought.

How many lives? World War I saw the loss of 117,000 American service personnel. World War II cost us 417,000 lives. Korea added another 40,000 and Vietnam another 58,000. Those tolls continue to this day as our country fights for stability and overcoming tyranny both at home and abroad. Adding to the casualties are those with permanent physical scars, lost limbs, and loss of motor functions. Though not as physically apparent are the emotional scars from WW1 Shell Shock to the more current, and more accurate description, Post Traumatic Stress Disorder. The memories of violence, fear and pure horror live on with many who will carry those burdens for the rest of their lives.

We honored 3 of our members who were in attendance for their service. Many other Gateway Buick Club members have also served, and we honor them as well. Veterans unable to attend the meeting were members: Steve Dodson, Jim Hall, Geoff Lockett, Jerry Wilson and John Midkiff. In attendance was Army Lieutenant, Bill Landers, who served in post war Europe bringing that region back on its feet from its incredible decimation. US Public Health Service Lieutenant, Dr. Jeff Johnson served stateside in the aftermath of the Vietnam War providing medical care to Merchant Marines as well as processing Laotian and Cambodian refugees from war torn areas to a medically safe condition for dissemination into US communities. Later completing his service time as a Family Practice doctor in an underserved health area in northern Minnesota. Air Force Sergeant Pete Nathan served in Vietnam as a medic performing air evacuation of troops from battle sites. We heartily thank all 3 of you, plus those not able to be among us that evening, for the services you have performed for our country and our individual freedoms.

I thought about how this honor of our veterans relates to our Buick hobby. How about the lost Buick experiences that were never to be fulfilled by those who did not return?



I thought of the WW1 Veteran who was to never experience returning home to enjoy his dad's 1918 Buick Touring car. Perhaps he was to use that car to pick up his girlfriend on a date and perhaps woo her into sharing her life with him and raising a family.



I thought of the WW2 Veteran who watched a General being chauffeured past his camp in a Buick Staff Car. Maybe he would dream of returning home and get a job that would afford him the opportunity to purchase and enjoy his own luxurious Buick.

I thought of the Korean Veteran who was looking forward to returning home to see those snazzy new Buick Anniversary edition

Skylarks. That convertible body, with the sporty lowered roof line and the powerful new Buick Nailhead engine under the hood. Maybe a few years of working overtime at the factory would provide enough money to put a down payment on one of those beauties from the dealer's used car lot.



I thought of the Vietnam Veteran who was watching the Bob Hope tour and seeing Ann Margret or Raquel Welch or Ursula Andress or Joey Heatherton. His thoughts drifting off to wishing that he might pick up a really cool Buick GS in the hopes he could impress and win the heart of a similar beauty back home.



All of those dreams were never to become reality. All of those dreams sacrificed so that we all can live in freedom as guaranteed in our Constitution and the Bill of Rights. Thank you, Pete, for reminding us to never take these freedoms for granted.

Pete ended his presentation with the recitation of this poem he has carried with him for many years. He has posted this poem at the entry door to our meeting room each year for our Veteran's Day remembrance.

To the Vietnam Veteran

To those who returned home with no one to greet them.

To those who have been told that PTSD would go away in time.

To those who have never been told thank you or officially welcomed home.

To those who returned physically but still are haunted by the nightmares of war.

To those who still react to a backfire and break a sweat at the sound of a chopper.

To those who have traveled endlessly never letting roots take hold or settled down.

To those who hear a familiar song that takes you back to a place you'd rather forget.

*To those who can count the friends they have on one hand for fear of losing another.
To those who suffer from Agent Orange exposure and are still fighting the last battle.
To those who fought battles in the steaming jungles of Vietnam and also here at home.
To those who have more friends on the Vietnam Memorial Wall than they do in this life.*

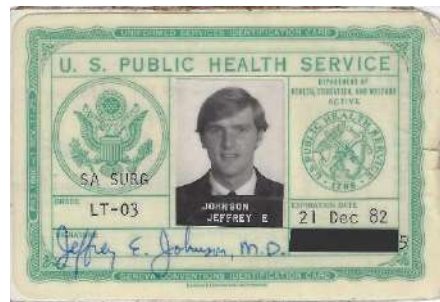
Thank You!

Welcome Home

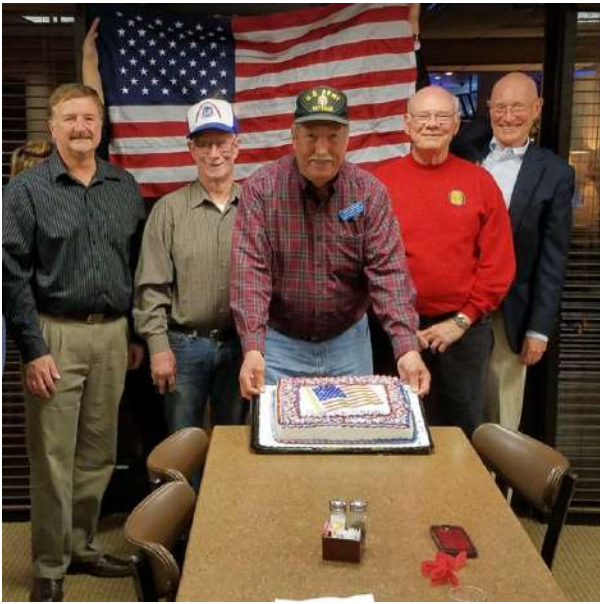
Thank you to all Veterans who have made your personal sacrifices for our county.



Veterans Today



**Servicemen
Yesterday**



Photos from previous meetings showing some of our veterans who were not able to attend the 2020 meeting. Not shown in the 2020 picture are: John Midkiff, Jim Hall, Steve Dodson, Jerry Wilson, Dave Smith and John Regnier. Also not pictured are: Geoff Lockett, Bill Bicknell, Gary Heim, Ed Keil and Paul Meyer.



A special tribute to all Veterans who are proud of their Buick

STL Gateway Chapter - Veteran's Registry
Dedicated in honor of our club members who served in the U.S. Armed Forces
Thank You...!!!

Bill Bicknell

U.S. Marine Corps from 1969 to 1971.

I had orders to go to Vietnam three times, but all three times they were canceled and I never left the States. After training, most of my time was spent at Camp Pendleton, California with the last few months at Mare Island Naval Shipyard. By luck, I was assigned to the Automotive School/Motor Pool. I was assigned a toolbox to work on the large trucks, but never picked up a wrench. They discovered I was a college graduate and pulled me into the office, so I spent most of my time behind a typewriter. Nothing heroic, but I was proud to serve.

Steve Dodson

U.S. Army 3 years, Rank: Spec 5,

Duty: Personal Management Specialist of enlisted member's personal files

Served in Augusta GA and Germany (serviced during the Vietnam conflict)

Jim Hall

U.S. Army served two years

Served in administration. And was stationed at Fort Carson, Colorado.

Gary Heim

U. S. Naval Reserve

I joined the Naval Reserve in September of 1961. I was 17 years old and a senior in high school. I spent 2 years on active duty from June 1962-1964. I came off active duty as an engine man 3rd class (E4) and was discharged from reserves at the end of 6 years as en2 or engine man 2nd class (E5).

Dr. Jeff Johnson

U.S. Public Health Service, Lieutenant

Served stateside in the aftermath of the Vietnam War providing medical care to Merchant Marines as well as processing Laotian and Cambodian refugees from war torn areas to a medically safe condition for dissemination into US communities.

Edward Keil

U.S. Army, corporal, served 2 years, 1953-1955,

Instructor at Communications School for officers, Fort Benning, GA

Bill Landers

U.S. Army, January 1963 through June 1965

1st Lieutenant, stationed in Heidelberg Germany with a communications security unit. We monitored all communications of our troops and provided feedback to commanders to improve their communications security.

Geoff Lockett

U.S. Navy

- Active duty: August 1973 to August 1977 (Enlisted service)
Rate attained: Sonar Technician Second Class (E5) Submarine Service. Duty was Sonar Technician (equipment maintenance and repair) and Sonar watch stander underway
Duty station: USS Gudgeon, SS-567, a Tang-Class Diesel-electric submarine homeported in San Diego and assigned to the US Pacific Fleet. (Gudgeon was transferred to the Turkish Navy in October 1983 and is now a museum ship there)
Honorable Discharge August 1979 (enlistments were officially 6 years at the time)
- Reserve duty: July 1983 to October 1999 (Commissioned Service, Active Reserve)
Rank Attained: Lt. Commander, Naval Intelligence
Duty: Satellite imagery interpretation, intelligence production, and Order Of Battle analysis in support of Amphibious Expeditionary Warfare (Marine landings and expeditions)
Duty Stations: 1983-1999 four separate Commands hosted in Naval Air Station Glenview, IL, Joint Reserve Intelligence Center, Ft. Sheridan, IL, and RAF Molesworth, Cambridgeshire, UK supporting US Atlantic Command, NAVAIR, and US European Command.
- 1989-1991 assigned to Patrol Squadron 90, NAS Glenview as Squadron Air Intelligence Officer. On active deployments to Naval Air Facility Kadena, Okinawa briefed air crews prior to the mission, debriefed following the mission, flew on missions to gather and interpret photographic evidence. Squadron aircraft was the Lockheed P3 Orion maritime patrol aircraft.
- Elected to retire July 1999 and transferred to Inactive Reserve for Retirement Purposes (IRR) October 1, 1999.
- Retired April 2012

Paul Meyer (Deceased)

U.S. Air Force, 1959, served 4 years

Worked in electronics on the B52 Bomber. Served stateside, but one of his most memorable Bomber missions took him to Hawaii where he stayed for a couple of weeks for RR.

*STL Gateway Tradition: When Paul was Director of the STL Gateway Chapter and again when he was President of the BCA, he started the tradition that all club meetings start with **The Pledge of Allegiance** of the United States. The tradition carries on today...*

John Midkiff

U.S. Navy /U.S. Navy Reserve, Chief Petty Officer, 27 years service, Cold War, Gulf War

Responsible for running medical and dental facilities anywhere the Navy and Marine Corps operate. Last position Battalion Medical Chief, Naval Mobile Construction Battalion 15.

Pete Nathan

U. S. Air Force, 1964-1968, E-4

Medic in emergency room/air evacuation-Vietnam

Dave Smith (*Deceased*)

U.S. Army, Corporal, served four years

Dave enlisted in the Army Reserves. After a year of service, he was called to active duty just as the Korea War was breaking out.

Initially, he was assigned to the Chemical Warfare Division at Dugway Proving Grounds in Utah, in preparation for an overseas assignment. He took advantage of an opportunity to become a cook and remained stateside until his discharge 3 years later.

STL Gateway Tradition: For years, Dave was the self-appointed greeter of the STL Gateway Chapter.

*Following **The Pledge of Allegiance** of the United States, Dave would always call out “Play Ball” to officially signal the start of each meeting. The tradition carries on today...*

Jerry Wilson

U. S. Air Force, 1971 – 1976, Captain

Research and Development (Air Force Systems Command – Aeronautical Systems Division; Electronic Systems Division)

No foreign war assignment



Understanding Bolt Torque

By Ted Becker

Bolt torque – what’s the big deal? You need a bolt, you go to the hardware store and buy one for a quarter or so, thread it into the hole and tighten it securely. How complicated can that be? Well, it’s actually a very big deal.

The purpose of a bolt is to clamp pieces together. That may be a part on a home appliance, or a garden tool, or a kid’s toy or on a car. Clamping in an automotive application, depending upon its location, can be very critical. If you get out car’s owner’s manual and read it, there is a bolt torque specification on the lug nuts holding the wheels on the car. I don’t know about you, but I consider that to be a pretty critical application. If you get out your car’s shop manual, there are several pages just dedicated to bolt torque specifications. Some of the applications are, engine, transmission, front suspension, axle, etc.

I like to think of a bolt as a very stiff spring. When a bolt is tightened, it stretches, which provides the clamping force to hold the pieces together. Sometimes it just needs to be snug other times a very critical clamping force is necessary.

At the last meeting, Chet Palumbo gave me a magazine article about an ARP tool for measuring connecting rod bolt stretch. Thinking about that tool, inspired me to write this article.

Since I am an engine guy, I thought about the specific joints in an engine that require very precise clamping and the security that the bolt will not come loose. Generally speaking, the most critical components in an engine that will cause a catastrophic failure are valve springs or connecting rod bolts. If you watch a NASCAR race, you may see a car experiencing a “blown engine”. Most commonly that is caused by a valve spring failure. These are always caused by a defect in the spring material. In spite of unending amounts of research and quality control, there has never been found a way to 100% assure good valve spring steel quality. The other common cause is a connecting rod bearing failure, either the bearing itself or the bolts holding the joint together.

So, let’s concentrate on the connecting rod bolt for this discussion. Remember that I said a bolt can be thought of as a stiff spring. As you are all aware, as a spring is either compressed or stretched, the force increases. Such is the case with a bolt. The higher the torque applied to the bolt, the more it stretches and the higher the clamping force. I qualify that statement in that the steel can only stretch so far before it “yields”, which causes it to lose its clamping force and eventually rupture. To achieve the proper clamping load on the connecting rod joint, the shop manual specifies “bolt torque”. To get that proper torque, a torque wrench is used. But does

that torque correlate exactly to the clamping load that is desired. The true answer is no but is generally reasonably accurate.

When a bolt is torqued, there are 3 main things that occur. The first is the most desirable and that is stretching the bolt shank to achieve the desired clamping force. The second thing is overcoming friction between the threads on the bolt and in the hole or nut. This is a very unrepeatable and unpredictable variable. It depends upon the finish on the threads and whether it has been tightened previously, which polishes the threads. The final thing is overcoming friction between the underside of the bolt head and what is being bolted to. Both of these friction elements are also dependent upon the type of lubrication used on the threads and the bolt head. There are many studies that show the effects of various forms of lubrication, but those also can vary wildly.

In the specific case of the connecting rod bolt, the most accurate means is to measure the bolt stretch. As Chet pointed out to me, a new tool is being offered by ARP to measure stretch. For a cool \$200, one can be in your toolbox. Looking somewhat like a C clamp, the pins are placed on the head of the bolt and the end of the threads and the bolt is tightened to provide an extremely accurate measurement of bolt stretch and the subsequent amount of clamping force.



That is all well and good, but is it necessary? Well, as usual, it depends. For a street engine or a standard rebuild, it is very much an overkill. On a race engine, however, it is imperative. Proper clamping is necessary to provide bolt integrity during high engine speeds.

Obviously, a tool such as this is only applicable when the top of the bolt head and the end of the thread shank are accessible. This cannot be used for main bearing caps, cylinder head bolts, wheel lug nuts, etc. Fortunately, those joints are not as critical as the connecting rod bolt situation.

A method used during my days at Caterpillar was a technique known as torque-turn. In that method a small torque is applied to assure that the mating parts are in contact. This is typically about 25% of the final desired torque. Then the bolt head is turned a predetermined amount to provide the desired clamping force. Knowing the strength of the bolt material, the lead of the threads (i.e. threads per inch) and the diameter of the bolt shank, the desired clamping force is pretty accurately attained. This method pretty much eliminates the friction forces that create the inaccuracies associated with using purely torque measurements.

Got it? Now go out and calibrate your torque wrench and torque away to your heart's content!

Gazette Centerfolds





2020/2021 Activities Update:

~~December 6th – Christmas Party / Toys for Tots Drive / Monthly Meeting~~

- ~~• Starts at 11:30 a.m.~~
 - ~~• The Old Spaghetti Factory~~
 - ~~• 17384 Chesterfield Airport Rd –
Chesterfield, MO 63005 (636) 536-9522~~
 - ~~• <https://www.osf.com/> o [Chet Palumbo reservations]~~
- ~~*** Don't forget to bring a toy for Toys for Tots ***~~

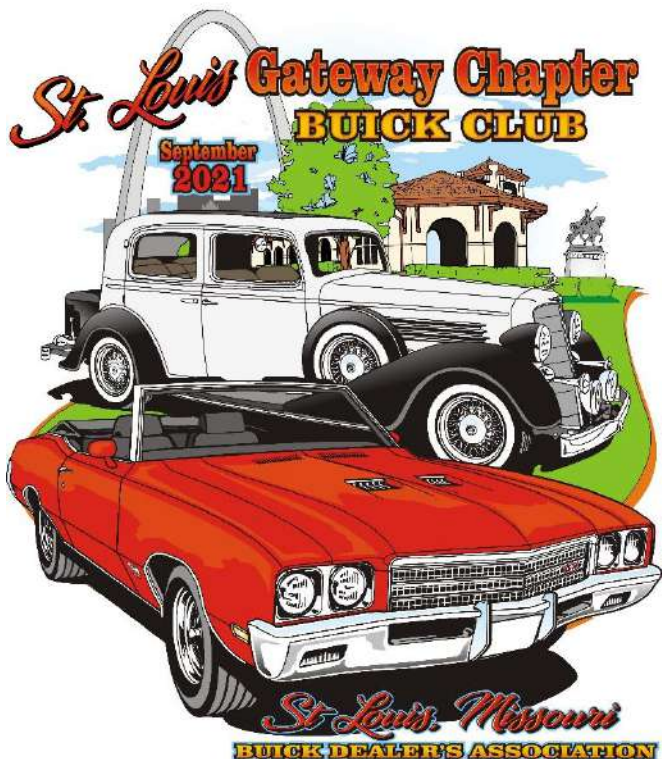
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- Address: 101 W. Lockwood Ave, Webster Groves 63119 • (314) 963-1976
- **Will support Social Distancing to whatever makes us comfortable**
- **Room has separate HVAC system, not connected to restaurant**

September 8 - 11, 2020: 2021 Heartland Regional Meet, Chesterfield, MO

- Hosted by the STL Gateway Chapter, registration information in the Gazette



**Buick Club of America
2021 Heartland Regional Meet
September 8 – 11, 2021**

Hosted by the St. Louis Gateway Chapter

**Doubletree by Hilton Hotel
Chesterfield, MO**

Free Breakfast
Starbucks coffee available in the lobby

\$20.00 Heartland Special
\$20.00 Registration Fees, \$20.00 Banquet Fees,
\$20.00 Polo Shirts

Featured Vehicles
Convertibles and Modifieds

Tours
Tour Fast Lane Classic Cars and Historic St. Charles, MO. with driving tours to the Daniel Boone Home and through Missouri's Wine Country ending at Chandler Hill Winery.

Class Trophies

- Best In Class
- 1st Runner-up
- 2nd Runner-up

Specialty Trophies

- Best of Show
- Convertible - Best of Show
- Modified - Best of Show
- Dealer's Pick
- Hotel Pick
- Ladies Choice
- Long Distance

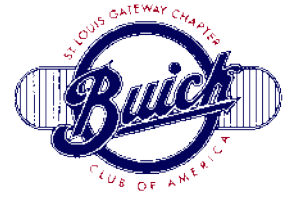
Classes

- A 1903 - 1942
- B 1946 - 1952
- C 1953 - 1958
- D 1959 - 1966
- E 1967 - 1972
- F 1973 - 1995
- G 1996 - 2009
- H REATTA
- I RIVIERA
- J TURBO
- K 1965 - 1975 GS
- M-1 MODIFIED - Mild
- M-2 MODIFIED - Resto-Rod
- M-3 MODIFIED - Radical



GATEWAY CHAPTER MEMBERSHIP APPLICATION AND PROFILE SHEET

**Annual Dues: \$25.00 to the Gateway Chapter,
Renewed: May of each year**



(BCA Membership also required for club liability insurance)

Family & Personal Information:

Name: _____ Birth Month: _____
 Spouse's Name: _____ Birth Month: _____ Wedding: _____
 Mailing Address: _____
 City, State, Zip Code _____
 Home Phone: _____ Cell Phone _____
 Email (required): _____
 Profession: _____ Employer: _____ years _____
 Spouse's Profession: _____ Employer: _____ years _____
 Military History: Branch of Service: _____ Years of Service: _____
 Rank/Duties/Veteran of a Foreign War: _____

Buick Club of America Information: <https://stlouisbuickclub.net/membership>

You are required to be a BCA member. BCA # _____ (required)
 Buicks now owned (Model & Body Style): _____

About your other car interests:

Collector cars now owned, other than Buicks: _____

 Member of other car clubs: _____

 Other auto related interests: _____

 Annual car events you currently attend: _____

About your other interests:

Hobbies, Collections other than cars: _____
 (antiques, gardening, golf, etc) _____

Please mail your application and / or chapter dues to our treasurer:

Pete Nathan, # 1 Huntleigh Trails Lane, St. Louis, MO 63131 – Phone: 314-413-2966

Buick Club of America

2021 Heartland Regional Meet Registration
September 08 – 11, 2021 in Chesterfield, Missouri
Hosted by the St. Louis Gateway Chapter

Members Name: _____
 Street Address: _____
 City: _____ State: _____ Zip: _____
 BCA #: _____ Phone: () _____ - _____
 Your E-mail address _____

What names should we print on your nametags?

Yours: _____ Spouse/guest: _____
 Your Chapter Affiliation (if any): _____

Host Hotel

Doubletree by Hilton Hotel – Chesterfield

16625 Swingley Road
 Chesterfield, Missouri 63017-1798

To make a reservation, log on to our website and download the link to the Hotel.

<https://stlouisbuickclub.net/2021-regional>
(available October, 2020)

Check-in: 3:00 PM, Check-out: 12:00 Noon
Rooms: \$119 + ~16% tax

- Rates apply to reservations by 08/21/2021
- Rates apply 2 days before & after event
- Rates include a complimentary hot Breakfast for two (2)

Peer Judging

15 Classes: (through year 2009)

- A.(1903-'42) B.(46-'52) C.(53-'58)
 D.(59-'66) E.(67-'72) F.(73-'95)
 G.(96-2009) H. Reattas, I. Rivieras,
 J. Turbo Regals, K. '65-'75 GSs
 M-1. Modified-Mild, M-2. Modified
 Resto-Rod, M-3 Modified-Radical,

Vehicle 1: Class _____
 Yr. _____ Model _____
 Body Style _____
Vehicle 2: Class _____
 Yr. _____ Model _____
 Body Style _____

Registration Choices

- **Banquet/Activity cutoff - Postmarked by 08/21/2021.**
- **Choose at least one registration category. You may choose more than one.**
- **No "display only" class, all cars on show field subject to peer judging.**

Entry and Guest w/o car \$20 _____

Entry and Guest with car \$20 _____

Additional CarsQty. ___ @ \$20 ea. _____

Swap Meet / Car CorralQty. ___ @ \$20 ea. _____ (10' X 20')

Will you need parking space for a trailer? (Yes/No) _____

Show and Tour Schedule

Wednesday, Sept. 8 4:00 – 6:00 PM Registration (Hospitality – Conference Room – D)
Thursday, Sept. 9 9:00 AM.....Registration Open (Hospitality – Conference Room – D)
 1:00 PM.....Fast Lane Classic Cars and Tour Historic St. Charles
 7:00 PM.....Welcoming Party - Hors d'oeuvres, & beverages at no charge - # attending _____
Friday, Sept. 10 10:00 AM.....Driving Tour to Daniel Boone Home (Guided Tour of home – \$6:00 optional)
 12:00 (Noon).....Box Lunch at Daniel Boone Home **\$10.00 each, # attending _____ Total: \$ _____**
 1:00 PM.....Leave Daniel Boone Home, Driving Tour through Missouri Wine Country
 2:00 PM.....Chandler Hill Winery, wine tasting, relaxing and fellowship.
Saturday, Sept. 11 10:00 AM - 1:00 PM.....Peer Judging
 1:00 - 2:30 PM.....Regional Meeting – Return Judging Forms (Hospitality Room)
 6:00 - 7:00 PM.....Cocktail Hour - prior to Awards Banquet (Cash Bar – Great Room)
 7:00 - 10:00 PM.....Banquet: Beef Qty. ___, Chicken Qty. ___, Salmon Qty. ___
Total @ \$20.00 each: \$ _____

QUESTIONS? - Contact

Chet Palumbo – Show Director:
 636-443-5686 cpalumbo@centurytel.net
Bill Landers – Registration and Judging:
 636-916-3310 walanders@hotmail.com
Pete Nathan – Hotel:
 314-413-2966 phnauto@aol.com
Ted Becker – Show Field, Swap Meet,
 Car Corral, and Trailer Parking:
 309-256-9860
gearhead46@centurytel.net
Jeanne Palumbo – Hospitality Room:
 636-443-5673 jpalumbo@centurytel.net

Event Apparel

*Available at:
 Registration and Hospitality*

*White or Black Tee shirts,
 With and w/o pocket.
 All Sizes: \$15.00*

*White or Black Polo shirts
 All Sizes: \$20.00*

**NOTE: No cancellation
 refunds after 8/21/2021.**

TOTAL AMOUNT

**Include; Registration, Box Lunch and
 Banquet: \$ _____**

Mail this form with your check or money
 order payable to: St. Louis Gateway Chapter
 BCA 2021, to the following address:

William Landers - BCA 2021
66 Summit Point Ct.
Saint Charles, MO 63301



Buick Club of America

Application for Membership

www.buickclub.org

The Buick Club of America is a non-profit membership corporation dedicated to the preservation and restoration of those vehicles built by Buick Motor Division of General Motors Corporation. BCA membership (includes spouse and minor children only) offers you the following:

- Monthly issue of *The Buick Bugle* published by the BCA.
- Advertising privilege in *The Buick Bugle* for Buick-related items.
- Participation in all club events and opportunity to join local chapters and divisions.
- Membership card, and as a new member, one BCA decal.

BCA MEMBERSHIP DUES SCHEDULE

Membership is on an annual basis beginning with the month following receipt of application. Membership is available in increments as follows:

	1 Year	2 Years	3 Years
U.S. Periodical Class Mail.....	\$ 50.....	\$ 95.....	\$130
U.S. 1st Class Mail.....	\$ 70.....	\$130.....	\$200
Canada & Mexico Periodical.....	\$ 68.....	\$131.....	\$194
Canada & Mexico Priority.....	\$ 93.....	\$181.....	\$269
International Surface.....	\$ 68.....	\$131.....	\$194
International Air.....	\$ 98.....	\$191.....	\$284
E-Membership.....	\$ 35	<i>(E-Membership is an online Bugle only; no hard copy — email required)</i>	

Without right of transfer or survivorships. Dues are non-refundable.

All foreign countries note: Membership dues and all other financial transactions with the BCA must be a bank draft, drawn on a U.S.A. bank and payable in U.S.A. currency, MasterCard, VISA or Discover charge cards. Make all checks payable to The Buick Club of America. The U.S.A. annual membership is \$50

Name: _____

Spouse (if applicable): _____

Address: _____

City: _____ State: _____ Zip: _____

Country: _____

Phone: _____ Check here if you do not want your phone number printed in the roster.

E-mail Address: _____

Sponsoring Member (not required): _____

New or Renewal: BCA # _____
If you are a renewing member, please include your current mailing label.

How did you hear about the BCA? _____

OFFICE USE ONLY

Check/Money Order

Visa Mastercard Discover

Date Processed: _____

Expire Date: _____

We occasionally make the membership list available to carefully screened companies whose product or services might interest you. If you would prefer to have your name withheld, place a mark in this box.

*Buicks Currently Owned (Buick Ownership is not a pre-requisite for membership in the BCA)

Year	Model Number or Type	Body Style (4 dr./2 dr.)	Vehicle ID Number (VIN Number on Registration)

**Please list additional Buicks on back of application.*

Check or Money Order made payable to Buick Club of America. Foreign country applicants must use bank draft, money order drawn on USA bank and payable in USA currency.) OR

Mastercard Visa Discover **[Check One]**

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Amount

\$ _____

Credit card expiration date Month/Year. Must have this information to process.

Print full name on credit card if different than name on application

Authorized Signature _____ Phone Number _____

Return Application to:
Buick Club of America
 c/o Cornerstone Registration, Ltd.
 PO Box 1715
 Maple Grove, MN 55311-6715
 Tel: 763-420-7829
 Fax: 763-420-7849
bca@cornerstonereg.com
 Office Hours:
 M-F 9:00-5:00 (Central)