



INTAKE MANIFESTO

Official Publication of the Arizona Chapter, NCRS

Winter 2019 Issue

CHAIRMAN'S MESSAGE BY PHIL D'ALESSANDRO



Here it is, the fourth quarter of 2019 and we can look back at the Chapter activities and congratulate ourselves for not only conducting two successful Flight Judging events, holding well attended Judging Schools, having significant number of members participate as Judges at Regional and National Flight Judging events and then conduct a combined Judging School/ Technical Session to complete all requirements to qualify for the 2019 Chapter Top Flight Award. Without your continued support and participation, none of the previously mentioned would have been possible.

I would personally like to thank my Board of Directors; Vice Chairman, Dave Talley; Judging Chairman, Gary Craig; Treasurer, Dave Barclay; Membership and Assistant Judging Chairman, David Peterson; Secretary, Brad Vignesaa; Webmaster, George Ray; Activities Chairman, JR Richards; and Newsletter Editor, Garry Mion, for their personal dedication to the Chapter, making it the ONE others point to as an example of excellence and dedication to the NCRS mission.

What's on the horizon for the Chapter? When you are reading this, the Annual Meeting and Holiday Brunch would have been held on December 21st, a Saturday, which is a first in a long, if ever, time. If you are wondering why, it's the closeness of the Thanksgiving Holiday, conflict with the Southern Chapter scheduling their event on the 8th and getting availability of a facility. We had a great turnout with 74 members enjoying each other's company, plenty of food, Barrett-Jackson auction entrance tickets, and holiday centerpieces given to those who just had a birthday or where about to have a birthday. I wanted to personally thank my wife for her creative talents in producing the 20 centerpieces. During the meeting we were able to affix our 2018 Chapter Top-Flight Award to our Chapter banner, signifying another top performance of the Chapter. Acquiring another banner on the "to-do" list for 2020.

We have a full schedule of activities for 2020 including the two Chapter Flight Judging events for March and October, and new for 2020 will be five-point Judging Award opportunities as we begin on Friday afternoon with Operations, then an educational session. We have secure storage of judged cars overnight. The success of the recent Tech Session highlighted the desire to conduct more of them, so that's in the works. We will have "social" drivers, Judging Schools and preparation for our 2021 Regional Judging Event in May 2021 to round out the year. The Board is always open to suggestions to make your club, YOUR CLUB.

The 2021 Regional will creep up on us and before you know it, it will be here. If you are willing to step up and join one of the Core Teams which include: Administration; Public Relations; Judging; Tabulation; Registration; and Traffic/Logistics let any Board member know which Team you wish to support. Remember, the pay is tax free!

On behalf of the Board, we wish you and your family a safe and happy Holiday Season.

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2019 AZ Chapter Board

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NCRS (National Corvette Restorers Society) is a national organization open to all persons interested in the restoration, preservation, history, and enjoyment of Corvettes produced by the Chevrolet Motor Division of the General Motors Corporation. NCRS is not affiliated with Chevrolet or General Motors.

Membership in the Arizona Chapter of the NCRS is open to all members of the NCRS National Organization. Dues are \$20 per year. For membership information, please visit our website at www.arizonancrs.com.

NCRS registered marks used in the "Intake Manifesto" are NCRS Founders Award®, NCRS Master Judge Award®, NCRS Performance Verification Award®, NCRS Flight Award®, NCRS American Heritage AwardSM, and NCRS Sportsman Award®. All are registered with the United States Department of Commerce and Trademark Office.

The Arizona Chapter is proudly sponsored by the following businesses. We appreciate all that they do in support of our Chapter, so Please Support Them!



THE WORLD'S GREATEST COLLECTOR CAR AUCTIONS™



2020 SCHEDULE OF EVENTS

Date	Activity & Contact Information
January 12-19	Barrett Jackson—Scottsdale, AZ
January 25	Judging School & Chapter Meeting: ECL Codes w/Bill Calorico Fountain Hills Community Center
February 8	Concours In The Hills - Fountain Hills, AZ
February 15	Judging School & Chapter Meeting - Check the Chapter website for up to date info
March 13-14	Spring 5pt Chapter Judging Meet - BJ Showroom Scottsdale, AZ Registration is Open
April 3-4	Southern Arizona Chapter Judging Meet—Tucson, AZ Registration is Open
April 11	Chapter Driving Event
May 1-2	Southern California 5pt Chapter Judging Meet Long Beach, CA Registration Opens Jan 15
May 16	Judging School and Chapter Meeting
May 28-30	Rocky Mountain Regional - Loveland, CO Registration is open
June 11-13	North Central Regional—Olmstead County Fairgrounds Rochester, MN Registration is Open
June 20	Judging School and Chapter Meeting
July 19-23	National Convention—French Lick, IN See NCRS Website for details. Registration Opens Feb 1st
August 20-22	Northwest Regional
September 19	Judging School & Chapter Meeting
October 9-10	Southern California Chapter Judging Meet Corvette Mike Anaheim, CA
October 16-17	Fall Chapter Judging Meet
October 22-24	Lone Star Regional—Frisco, TX
November 21	Judging School and Chapter Meeting
December 6	Chapter Holiday Party

The above list of events are subject to change.

Visit the [Chapter Website](#) for latest details

GET INVOLVED!

THROUGHOUT THE YEAR THE CLUB IS LOOKING TO HOLD TECHNICAL AND SOCIAL ACTIVITIES IN ADDITION TO OUR TRADITIONAL JUDGING ACTIVITIES.

IF YOU HAVE AN IDEA YOU THINK OTHER MEMBERS OF THE CLUB WOULD BE INTERESTED IN, PLEASE CONTACT A BOARD MEMBER TO DISCUSS IT.

THE NEXT MOVE IS YOURS!

FALL JUDGING MEET RECAP BY GARY CRAIG

On October 18 & 19th, the Arizona NCRS Chapter held another very successful Fall Chapter Judging Meet. Six total cars were judged, five for Flight judging and our very first Concours judging at the Chapter level, a beautiful 1964 red Corvette. Thanks! Roy for bringing out your 1964 for Concours judging. It was very cool what Roy has done to this car. For one, the "window cranks" no longer cranked but rotating them slightly each way would have the side windows go up and down, now how nifty is that!!!! We had four cars driven to the event for Sportsman display. A total of 41 members participated in the Chapter Meet.

On Friday, we had a Judging School regarding Judging Operations, for both Flight and Concours, which was very instructive since the following day, we would be judging Operations for both categories. We had 17 Chapter members attend this Judging School.

We could not have had such a successful Fall Chapter Meet without our volunteers as well as the fabulous Tabulators. Oh, and of course, we couldn't have a successful Chapter Meet without all of our judging teams and team leaders, both Nick Culkowski and Pete Bergmann.

Thank you all for your time and efforts.



The following awards were presented:

Name	Year	Award
Jeffrey Brown	1962	Top Flight
Jason Buxbaum	1964	Top Flight
John Chmela	1965	2nd Flight
Ray Geiger	1967	Top Flight
Robert Swaback	1969	Top Flight
Roy Deopere	1964	427 Concours



We also had a fabulous 1967 L71 four star Bowtie display car that Bob Swaback brought out. Bob, thanks for bringing both of your cars out to our event! This 67 L71 also has had a Duntov award presented at the last National in Greenville, South Carolina. The engine compartment and exterior paint of this car was quite the sight, very original and showing all the characteristics that our judges look for in the judging process. The stripes for the stinger have all the characteristics that we have learned about in the Tom Ames/John Ballard paint judging schools at Regionals and Nationals and the recent National Judging Retreat. To see these characteristics in person was a treat. Having this car in our midst is great for our learning process and we will definitely use this car for future Judging Schools.



Thank You Sportsman Display:

Garry Eastwood	1957	Sportsman
Steve Stienstra	1965	Sportsman
Randy Okerlund	1971	Sportsman
Pete Bergmann	2002	Sportsman



JUDGING SCHOOL RECAP BY GARY CRAIG

On November 23, the Arizona Chapter held a combined event, a Technical Session regarding Diagnosing and Repairing C2 Trailing Arms and a Judging School regarding C2 Chassis. This event was held at our Judging Chairman's garage where we had the chance to see David Peterson's 1966 Duntov award winner car up on a 2 post lift so the whole underside chassis was visible for our members.



Since this opportunity was available, we added a C2 Chassis Judging School to the initial Technical Session (thanks Garry Mion for the suggestion). David's car had an issue on the parking brake where the lever within the brake mechanism was damaged and to fix the parking brake lever, the rear spindle needed to be removed from the trailing arm.



From this repair, the process and tools used for removing the rear spindle from the trailing arm, removing the outboard tapered roller bearing from the spindle (two methods shown), removing the outer races from the housing, greasing the bearings and cavity, setting up shimming the new Timken tapered roller bearings in the spindle for correct endplay and reinstalling the rear spindle components was shown to the many Chapter members that attended the event.



We had 24 Chapter members that attended both events. Thanks to Bill Calorico for his tremendous help regarding the pins that hold in the parking brake shoes. One pin should have been placed between the backing plate and housing prior to installing the backing plate but was obviously not installed correctly when David got his car. This pin mis-installation is probably the reason for David's initial problem since it allowed the brake shoe to move away from the backing plate and the lever would fall out of the actuation slot.



The Judging School went over many characteristics of finish on calipers and half-shafts, what shot peen surfaces look like which were done on all big block Corvette half-shafts, u-joint characteristics on half-shafts, plus the ability to review all underneath areas of the C2 chassis. Again, thanks to Bill Calorico on his help on pointing out the various items that we consider during C2 Chassis judging.



UPCOMING JUDGING EVENTS BY GARY CRIAG

Arizona Chapter Judging School – ECL Codes

On January 25, the Arizona Chapter will hold a chapter judging school discussing usage of ECL (Exception Control Letters) Codes on judging C2 Corvettes. ECL codes identify many items we consider during our judging process, some of these items are: interior trim color/s, seat fabric, and related interior options. The judging school will be held at the Fountain Hills Community Center in Fountain Hills. A flyer will be sent to all Chapter members soon, please note this date on your calendar.

Arizona 2020 Spring Chapter Meet

On March 13 & 14, we will hold our 2020 Fall Chapter Meet at the Barrett-Jackson Collection Showroom in Scottsdale. This event will be different than all previous ones since we will be conducting Operations Judging on Friday along with the usual Judging School followed by the normal Flight Judging on Saturday. With this change, this event will be a five point event for our judges!! Registrations is open and ready for your sign-up. Please mark your calendars!

ACTIVITIES UPDATE BY JOHN RICHARDS

We celebrated the Christmas season with our annual holiday party December 21 at Casino Arizona. We had almost 80 attendees there to enjoy the camaraderie of Corvette ownership while experiencing a wonderful buffet with virtually unlimited food choices. There may also have been a small amount of liquid refreshment accompanying the gastronomic delights. The mood was festive and everyone obviously relished the opportunity to mix and mingle. Our club chairman, Phil D’alessandro, was once again able to secure a large number of passes for the upcoming Barrett Jackson auction that he awarded by a lottery system. Jo Ann D’alessandro outdid herself with her handmade beautiful table decorations for everyone to enjoy. In his remarks to the membership Phil honored several club members who have achieved higher NCRS judging levels.

Our next semi social event will be the annual road trip scheduled for April 11, 2020. At this time the destination is unknown but Dave Talley and myself will have a plan early next year. Last year’s drive to Payson was well received and we are considering that once again but we will be looking at other ideas also. We will keep everyone informed because the more that participate, the more fun everyone has.

END OF YEAR TREASURY UPDATE BY DAVE BARCLAY

Now that it is December, 2019, it is time to renew your membership for 2020. Just go to the Chapter [website](http://arizonancrs.com) (arizonancrs.com) and scroll down to Membership Renewals. If you prefer to pay by check, my name and address are listed there. If your personal information (e.g. address, phone number, email address) has changed, please email those changes to me at treasurer@arizonancrs.com.

Our checking account balance as of December 31th, 2019 is \$2,713.96, and the January 1st thru December 31th, 2019 account activity breaks down as follows:

Income	
Dues Received	\$1,275.18
Judging Income	\$1,654.66
Social	\$2,341.00
Transfer from Money Market	\$6,000.00
Total	\$11,270.84

Expenses	
Membership Expenses	\$208.50
Judging Expenses	\$4,602.03
Miscellaneous Expenses	\$933.61
Social Expenses	\$4,306.03
Web Site	\$766.03
2021 Regional Deposit	\$3,000.00
Total	\$13,816.20

Income:

Membership: 2020-2025 Dues

Judging: 2019 Spring & Fall Events

Social: 2019 Christmas Party, Charity

Expenses:

Membership: Name Tags

Judging: Event Materials, Refunds

Social: Christmas Parties 2018, 2019

Miscellaneous: Meetings, Administrative, Newsletter, Good Will, Charity

MEMBERSHIP UPDATE BY DAVID PETERSON

As our membership continues to grow in 2020, we look forward to expanding our tech session topics and exploring new venues for some of our monthly meetings. We will also begin to ramp up our preparations for hosting the 2021 Regional at the We-Ko-Pa Resort, which I believe will have a new name by then. I want to also take this opportunity to remind everyone, that if you haven’t already done so, please renew your Chapter and National memberships for 2020 (see Dave Barclay’s update above).

Wishing the entire membership and your families a happy, healthy and prosperous New Year! See you in 2020!

HOLIDAY PARTY PICS



CONNECTING WITH CHAPTER MEMBERS BY BRAD VIGESAA

As a fairly new member myself, I thought it would be useful to describe some of the different ways to take full advantage of your Arizona Chapter NCRS membership to connect with other local members.

Background

Membership has asked for a Chapter Roster to be published and as the Board discussed the possibility, former Chairman and current Newsletter editor provided the answer without requiring the entire membership to "Opt in or Opt out" with the following solution. This solution prevents the potential for wide distribution of information that some members may not want in the public domain by limiting it to just members of NCRS.



Local meetings

One of the best way to connect with members is to attend our local Arizona Chapter NCRS meetings. These meetings are held throughout the year and are a perfect way to introduce yourself to fellow passionate enthusiasts in the area. Our chapter [website](http://arizonancrs.com) (arizonancrs.com) details the all the planned calendar of events. These social meetups typically include technical sessions, judging schools, and flight judging along with coffee and donuts.

Join NCRS online group "Arizona Chapter"

The national [website](http://ncrs.org) (ncrs.org) includes many features including a built-in online group forum. Once logged in, you can opt-in to join the public group called "Arizona Chapter".



(Found under: Technical Discussion Board/Members/Groups/Join "Arizona Chapter")

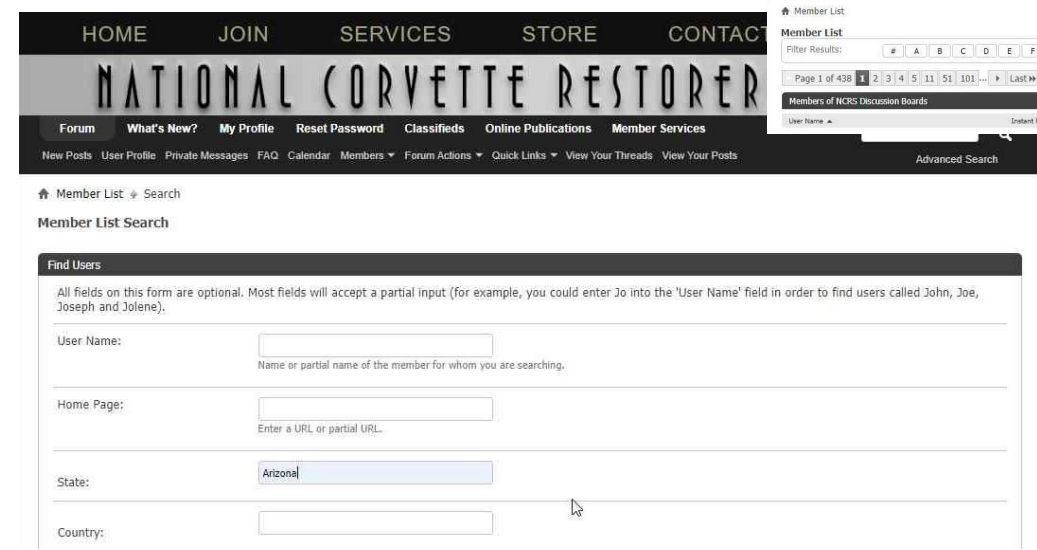
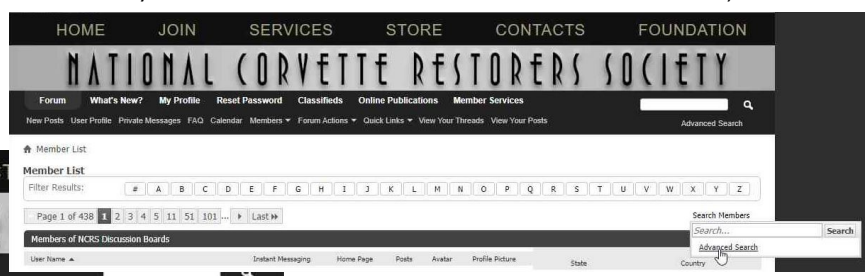
We would love our local chapter members to start using this online forum to connect with each other organically. For example, if you had a question for just local members, assistance finding local resources, or just wanting advice you can start a discussion.

Reach out to members directly

The national [website](http://ncrs.org) also includes a current membership roster. Once logged in, you can search for individual contact names and even filter by state (advanced search). You can use this platform to interact with other active members while preserving contact privacy.



(Found under: Technical Discussion Board/Members/Member List/Search or Advanced Search with "Arizona")



RESTORATION BATTERY UPGRADE BY GARRY EASTWOOD

Recently, the tar-top battery from my '64 Corvette died "quietly" in my driveway after returning home from a brief drive. I had purchased this battery (~\$300) five years earlier from Restoration Battery, a company well known in the past for its quality reproductions of the old DELCO units. With the company now out of business (as of early 2018), I had a decision to make - 1) buy a "no-name" replacement battery from an auto supply store just to get the car running again (not acceptable), 2) buy a modern replacement DELCO battery (a possibility), or 3) open up the Restoration Battery and replace the internals. I chose option #3.



It's a good idea to do this project outside, since it can be quite a mess. The first step is to remove the bottom of the battery. The Restoration battery has a glass mat battery glued inside the battery case with its cables attached inside to the two terminal posts. Since there are no individual cells with lead plates involved or lead connections between the cells, there are no issues of electrical "shorts" occurring inside the battery case. I drilled a series of 3/8" holes around the bottom of the case (photo at right).



A sabre saw or a reciprocating saw can be used to cut between the holes and remove the bottom plastic plate (photo at left). With the bottom plate removed, the old battery can be partially removed from the case, exposing the two internal battery cables. Carefully cut them, leaving as much of the existing cables as possible still attached to the terminal posts (photo below).

The old AGM battery was an Odyssey PC 6028 (no longer in production). I replaced it with another Odyssey battery, PC 925 (AMAZON - ~ \$188). These batteries are identical in size/shape so the fit inside the case is not an issue. The electrical output and profile between the two is also nearly identical. Of note, these AGM batteries can



be installed in several positions (on any of the four sides or on its flat bottom). However, according to the manufacturer, they cannot be installed upside down.

The cut battery cables needed to be lengthened to fit the positioning of the new battery, so a new set were purchased (Cartman cables, 18" - 4 Ga; AMAZON - ~\$10). After removing one the connector ends from each of the new cables and shortening them for the proper fit, they were joined to the original cables via a "butt splice" kit (Gardner Bender Splice Kit 8-2 AWG; AMAZON - ~\$10 each - photo at left). A heat gun was used on the shrink tubing to cover the brass connectors/fittings. The new battery was then slid back inside the case (photo at right).



A new bottom for the battery case was made from a piece of heavy gauge stainless steel, painted black and attached to the bottom of the case with small screws (photo at left).



The electrical connections were checked and the new battery (photo at right) is putting out between 13 and 14 volts.

Project complete!



Note: A "Special Thanks" to Murray Foreman and AZ Chapter members Mike Johnson and Garry Mion for their insights/input into this project!

ATTENTION C6 OWNERS BY PETE BERGMANN

Years just keep clicking away and it is time for us to continue our look forward to the next class of cars eligible for NCRS judging.

As I write this, the manuals for the final C5's is in draft form. The team began test judging last summer.

That means the next sequence will be the C6, years 2005 - 2007.

The gathering of information for the C6 Manual has begun. This process is by design very thorough and exhaustive. Since we are starting with a clean slate, we need many cars for our sampling.

If you have a C6 car and are willing to let us examine, photograph, get a close-up perspective. Any first-hand information you have may assist us in our research quest is welcome.

We need to look at numerous cars produced during the model year, so we can detect running changes. Then we document for the manual.

You DO NOT need to be the original owner. The car does not need to be original and unmodified. However, right now we are primarily looking at originality.

If you have a 2005 to 2007 Corvette and are interested in assisting, please reach out to me with a little information about your car. You can contact me at C6team0513@gmail.com

Thank You!

Pete Bergmann

C6 Manual coordinator

C6 NAV CLOCK FIX BY GARRY MION

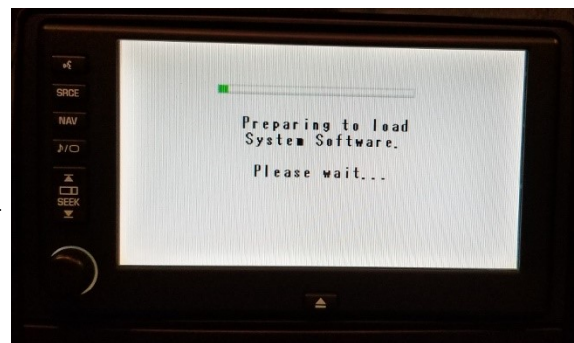
If you happen to still be an owner of a 2005-2011 C6 with a Navigation Unit, then it likely means that you have lost the clock display (see picture at right) if your battery died (or simply disconnected the battery for one reason or another). Apparently this may have started as early as August, 2018. There was no way to get the clock back, and as you can see in the picture below, the clock adjust screen became disabled for the most part.



The problem was software related, and the solution finally became available in November of this year. As to the genesis of the problem, it appears to be related to the WNRO (Week Number Roll Over) of the GPS signal that occurs every 1024 weeks. The software simply didn't account for this.

This issue was not limited to Corvettes, or even GM.

The fix is pretty simple, and you can go [here](#) to read more about. Involves downloading a file, burning it to a CD-R, and then installing it in the DVD slot. Once loaded, the unit will automatically apply the update (see picture at right). The most difficult part is burning the CD, in that if you do it wrong then nothing happens and you wasted a CD-R. Once the update is applied, you have to drive the car around a while and eventually everything is back to normal as shown in the picture at below.



I believe that dealers are now aware of the problem/fix, and able to perform the update (although I have no idea if they charge for the service or not).

ARIZONA CHAPTER

