

VETTECETERA



Northern California Chapter's Newsletter for the Corvette Enthusiast

Vol. 45, Issue No. 1

January 2023

2023 NCC Officers

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Road Tour Coordinator	Ken Albers	707 631-2756	1kenalbers@gmail.com
Sponsorship/Raffle Coord.	Glorie McNay	530-662-7951	gloriemcnay@gmail.com

NCC/NCRS Website <http://www.ncrs.org/ncc/>

Chairman's Message

By Bob Grauer

Hi everyone. I hope that your holiday season was the best ever and Santa brought each of you the toys that you wished for (had to have)! I also hope that you were able to demonstrate your generosity to those in need during these difficult times by reaching out or digging deep. We at NCC tried to do our part by donating many bags of brand-new toys, games, and much needed personal products for teenagers in need. Thank you to all.

For those of you headed to Florida for the regional event, you might not want to fly SWA. I hear they are having some connection issues...Hope none of you were caught up in the current difficulties vacationing or visiting relatives. Flight prices are outrageous right now.

Signups for our local NCC chapter event in April and our co-sponsored Regional in Arizona (March) are ready to accept your reservations! Sign up early if you can, makes life a lot easier on our site team, tab team and judging chairmen.

Chapter renewals are due right now. Easy to do, including 1- or 2-year options, and online.

What's new- the only 1969 ZL1 convertible is up for auction at Sotheby's/RM Arizona on January 26th. If you have \$4-7 million laying around burning a hole in your pocket, it's a once in a lifetime opportunity.

2023 Z06's are hitting the online market- note dealer asking \$100K over MSRP on a non-Z07 equipped Z06 on Autotrader. A few \$75K over on other sites.

Board Member at Large- If you have an interest in joining the NCC Board as an "At Large Member", let Wayne or I know and we will submit your name for a vote at the February Zoom meeting. Your only qualifications need be your willingness to ambassador our chapter out in the auto wilderness, attend monthly meetings and chapter events.

Looking for location suggestions for in-person get togethers as previously tabled. This topic will get some new traction in the first quarter. Looking forward to 2023!

NCC Meeting Minutes December 13, 2022

Chairman Bob Grauer welcomed 21 members to the December meeting at 7:00 pm via Zoom. He thanked Glorie and Art McNay for hosting a lovely Tree Trimming/Toys for Teens Party. This was a NCC social event and charity function thanks to the McNays and help from Sophie and John Tidwell and other members.

Old Business:

Secretary Report: Sandy Houck
The November minutes were approved.

Treasurer's Report: John Tidwell
John is submitting the annual financial statement to NCRS National.

Membership: Sharyl Ingham
Sharyl reminded us to pay annual or bi-annual dues. She sent reminders to 65 members and has received 32 renewals to date.

Webmaster: Chris Moore
Chris was absent.

Chapter Top Flight Award (CTFA): Jeff Blakeslee
Jeff was absent. Bob said that Jeff will remain the CTFA director for one to two years and transition to a new volunteer.

New Business:

NCC Board and Committees: Bob Grauer
Bob discussed ideas to expand member participation including adding Member-at-Large positions to the Board and appointing additional Committees as needed.

NCRS Region IX Director: Mike Ingham
The NCRS Board Zoom meeting will be on January 6.

Tucson Regional Meet, March 23-25:
NCC and the Southern Arizona Chapter are helping to arrange the meet. The meet is timed to fill a demand in the West leading up to the National Convention. Mike has been receiving registrations.

Spring Meet, Los Gatos, April 14-15:
Bob said that some members have made room reservations at the Los Gatos Lodge. To get the discount rate use the group code "NCRS". Registration is now open. Mike urged members to bring their Corvettes as Sportsman entries if not being judged. Security will be provided. Joe Calcagno, a chassis C1 expert, will conduct a Tech Session.

Technical Discussion Board: Gary Beaupre and Rick Gower

Rick said that it's now possible for members to edit their own on-line posts. On-line judging schools will start in January with Mike Treece from the Mid-Heart of Ohio Chapter. Gary has posted an article on oil pump pressure relief springs. Gary and Rick noted that there is an interesting thread called "What is your Best Bubba Fix".

Judging Schools:

A Judging School coordinator is needed for C1, C2, and C3s.

Tony Stein, from Missouri, described that the Kansas City Chapter solicits members who have restoration projects in progress. Then they hold a Tech Session at the member's garage. Mike Ingham said that he could do that using Sharyl's '69 or his '57.

Open Forum:

Gary Beaupre is cleaning out the NCC Library which consists of Service Manuals. He is giving them to any member who needs one.

We are waiting to hear from Ken and Marci Albers about their new home constructed after the 2020 fire. Rumor is that they have moved in although it's only $\frac{3}{4}$ complete.

Adjournment:

The meeting adjourned at 7:50 pm. The next zoom meeting will be January 10. Bob wished us Happy Holidays and to Stay Safe.

Respectfully submitted,
Sandy Houck, NCC Secretary

Food For Thought

By Sharyl Ingham

Happy New Year! Any resolutions? Here is my food for thought.

I realize it is never a good idea to look back, but I think it is important to revisit what is helpful to encourage going forward; stay vigorous and faithful, humble, and empathetic, stay prudent and tough and always be your best with others!

My meaning to all these words is:

by vigorous I mean to stay energetic,
by faithful I mean to be a loyal follower by being conscientious sticking to true facts,
by humble I mean not to be arrogant but to be assertive and yet unpretentious and work to cultivate this trait,
by empathetic I mean show compassion and understanding,
by prudent I mean to have a wise understanding of people and their situation and demonstrate through practical wisdom and discretion, use common sense.

It is no surprise that many of us are members of other Chapters of the society because we share the same interests and are always willing to jump in to help without hesitation. That brings me to talk about the Tucson Regional that is being co-hosted by the Southern Arizona and Northern California Chapters. This is a great example of teamwork, and WE want your support and attendance on March 23-25, 2023.

It goes without saying how much we appreciate, tip our hats, and extend our thanks to the volunteers!

Continue to be kind and take the high road. It is up to you to make 2023 the best ever! Happy New Year!

Count your age by friends, not years, count your life by smiles, not tears.

By Sharyl Ingham

What a great way to start the year by offering our Best Wishes and Congratulations, starting with Art McNay, January 8th; Jane Cafferata, January 9th; Dave Solomon, January 14th; Donalda Day, January 19th; Margie Swezey, January 26th; and Janice Hamilton, January 28th.

January Noteworthy Dates

By Sharyl Ingham

January dates of note start with New Year's Day, January 1st; Martin Luther King, Jr. Day, January 16th; and Chinese New Year, Year of the Rabbit, January 22nd.

Burma-Shave

IF THESE SIGNS BLUR
AND BOUNCE AROUND
YOU'D BETTER PARK
AND WALK TO TOWN

BURMA-SHAVE 1945

This `n That

By Glorie McNay

HAPPY 2023!

As we bid goodbye to 2022, we are smiling because we got through it. Now that is behind us, we have great optimism facing the New Year.

We are wishing for all to have good health, comfort, love, and heart full of kindness ready to share.

I'm not a fan of resolutions, why start a New Year knowing I will probably fail. I prefer to start a New Year with hope.

Hope my family and friends are happy and healthy.

Hope these terrible viruses that have plagued us the last few years are defeated.

Hope we all see better weather and the radical climate changes ease up.

On an NCRS level: Hope we thrive.

Hope our National Convention in French Lick is an overwhelming success.

Hope you all attain your aspired goals.

Hope you all respond to my request for sponsorship for the Tucson Regional. Without this Regional there would be no opportunity for Western members to fulfill their requirements for National awards without traveling thousands of miles. Please help my wishes and the wishes of NCRS members come true in the New Year. SPONSOR Tucson in some capacity! Thank you in advance.

HAPPY NEW YEAR from the McNays!

2023 Tucson Regional



The 2023 NCRS Tucson Regional judging meet will be held at Casino Del Sol in Tucson, Arizona, next March 23rd to the 25th. Online registration opened on December 1st. A registration form and schedule of events may be found later in this issue of the Vettecetera, but please register online if you plan to attend. We look forward to seeing many of you there.

Oil Pump Pressure Relief Springs

By Gary Beaupre

For anyone considering attempting a Performance Verification for their car, they should be aware of one seemingly minor thing that has tripped up some people, namely the oil pressure. When engines in our 50+ year old cars are rebuilt, a new oil pump is typically installed. Different oil pumps can and do produce different oil pressures under the same operating conditions. As the name implies, some high-pressure pumps can and sometimes do produce oil pressures that can peg the needle, especially on a 60-psi oil gage. That can lead to an automatic failure during a PV. One component of the oil pump that has a great deal to do with the oil pressure is the pressure relief spring installed in the pump. A key specification of that spring is the spring stiffness. If a higher stiffness spring is installed in the oil pump, then the operating oil pressure can be higher than normal, and in some cases high enough to fail a PV. So, let's consider the spring stiffness. The stiffness, k , of a coil spring, like the oil pump spring, is given by the formula:

$$k = G*d^4/(8*N*(D - d)^3)$$

where G is the shear modulus of the spring material, d is the wire diameter, D is the outer coil diameter, and N is the number of "active" coils. The number of active coils is not always easy to count, but for springs with "closed" ends, like oil pump springs have, the number

of active coils is typically 2 less than the total number of coils. (Due to the bunching of coils near the spring ends, the total number of coils is also not always easy to determine. As a rule of thumb, if two coils are touching or very close to touching, they don't count as two coils.)

For a coil diameter, D , much larger than the wire diameter, d , an approximate spring stiffness can be calculated using a simplified formula:

$$k_{\text{approx}} = G*d^4/(8*N*D^3)$$

The formula for the approximate spring stiffness is interesting because it makes it easy to see the effect of a change in the wire diameter (d). For all other values kept constant, a relatively small increase in wire diameter can result in a relatively large increase in spring stiffness. This is due to the exponent of 4 applied to the wire diameter in the numerator. As we'll see later on, the wire diameter plays a substantial role in several of the different oil pump springs we will subsequently compare. (As an aside, given the coil diameter and wire diameter values for oil pump springs, the approximate formula for stiffness is not very accurate. So best to use the exact formula.)

About a year ago I purchased a Melling 10553 oil pump (unfortunately discontinued by Melling in late 2021 or early 2022, and replaced with the Melling 19553ST, which is a high volume pump) for the rebuild of my L79 motor. The Melling 10553 pump has been described as a very high-quality pump by several knowledgeable people on the Technical Discussion Board. The Melling 10553 pump is a standard volume pump, but it comes with a high-pressure spring (Melling #55070) installed. Also supplied with the Melling oil pump is their so-called "standard" pressure spring (Melling 55058). This standard pressure spring is often referred to as the "yellow" spring, because Melling adds a bit of yellow paint to the spring for ease of identification. Melling also sells a "green" spring (Melling 55049). The last two digits in the Melling part number, 70, 58, 49, is supposed to indicate an operating oil pressure. Although it's not clear to me under what conditions that pressure is measured (engine temperature, oil viscosity, RPM, engine clearances, etc.). Regardless, we shall see that the three Melling springs differ

from each other in obvious and important ways, and more importantly the Melling springs differ from the original GM spring. All of the Melling springs can be used in the 10053 Melling oil pump. As can the original GM oil pressure spring, GM #3814903 (unfortunately, that spring was GM-discontinued around 2019). As Duke Williams pointed out on the Technical Discussion Board (TDB), "3814903 is the correct original part number for '62 and up OE small blocks with the "standard" 40-45 psi hot oil pressure at 2000 rpm spec, and these models should have 60 psi gages." Special High Performance (SHP) small block engines with mechanical lifters of that era used a different oil pump spring. As did all big blocks. My '66 L79 came with the 3814903 spring, hence my focus on that GM spring.

Here's a photo of the four springs we will compare:



Here's a table showing the specifications of the four springs.

Spring	Active Coils	Free Length	Wire D (in)	Coil D (in)
ML55070	18	2.32	0.041	0.319
ML55058	18	2.20	0.041	0.319
ML55049	20	2.37	0.038	0.319
GM...903	21	2.19	0.038	0.319

ML=Melling

Using the first formula for spring stiffness, we can calculate the stiffness of these four springs. They are:

Spring	Stiffness (lb/in)	% of GM Stiffness
ML 55070 High Pres.	10.50	163
ML 55058 Yellow	10.50	163
ML 55049 Green	6.75	105
GM 3814903	6.43	100

None of the Melling springs has the exact same stiffness as the GM spring. But another difference between the four springs is the free length. The free length does not affect the spring stiffness. But the free length (L_{free}) does affect the force required to compress a spring to a given new length (L_{new}), according to the formula $F = k*(L_{free} - L_{new})$. I don't know what the typically operating length is for the oil pump relief spring. But let's assume that, when installed, and the motor not running, each spring is compressed to the same length. Here are two examples of the forces required to compress each of the four springs to two different lengths.

Spring	Force to 1.75" (lbs)	% of GM	Force to 2.00" (lbs)	% of GM
ML55070	5.99	212	3.36	275
ML55058	4.73	167	2.10	172
ML55049	4.19	148	2.50	205
GM...903	2.83	100	1.22	100

Each of the Melling springs requires a substantially higher force to compress to the same given length. I don't know whether spring stiffness is more important for determining oil pressure, or if spring force is more important, or if they are equally important. Nor do I know what length these springs are compressed to during service. Hence, it's not possible to know which columns in the tables immediately above are the most relevant. Nevertheless, based on the stiffness and force tables, one can expect that all of the Melling springs will produce higher oil pressures than with the GM 3814903 spring. The Melling green spring has the closest stiffness value to the GM value, but not always the closest force value. You might have read on the TDB the claim that the Melling green spring is the same as GM 3814903, however, it is not identical to GM 3814903 because of a different free length and one fewer active coil. Because of these differences the Melling green spring should result in a higher oil pressure than with

the GM spring. Whether the increase is enough to fail a PV, I can't say. What I can say is if you search through the TDB, you will find stories from multiple people using the Melling high pressure spring and the Melling yellow spring who report having undesirably high oil pressures. The above charts explain why that is the case. If you're having your engine rebuilt, and if your engine originally came with the GM 3814903 oil pump spring, my recommendation is to search for an NOS example of that GM spring if you want to be confident that your oil pressure will be close to what it was when the car was new. Of course, even when using the correct GM spring, your oil pressure is also affected by engine bearing clearances. If your motor has looser or tighter clearances than what GM used, then all bets are off.

Gary Beaupre; gsb1966@comcast.net

NCC Membership Renewals

🙏 to all those that have renewed your NCC membership. And a gentle reminder for those of you that have yet to renew, please do so before January 31st. The Chapter is grateful for your ongoing support!

Mass Mailing Clarification

We are utilizing NCRS's Mass Mailing feature to distribute the link to the Vettecetera each month, as well as other NCRS related e-mails from other people. Please do NOT respond to the e-mail, respond to the person who authors the e-mail.

Technical Articles Wanted

If you have been thinking about writing up some restoration project you have completed, please do so and submit it for publication. We can all benefit from one another's learning's. Submit your article as a Word document, and any accompanying pictures as .jpg files.

Copyrights

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Pertinent Information

Send newsletter articles to Mike Ingham by email: michael.ingham248@gmail.com It needs to be received **by the 25th** of the previous month to make publication.

NCC Dues

NCC dues are \$30 per year. Please start paying via PayPal. If needed, a membership form may be found on the last page of the Vettecetera. When you have changes (e.g., e-mail address, Corvettes owned) please send those changes to me via e-mail at: sharylingham@gmail.com Thanks.

Chapter Meetings

Chapter meetings occur on the second Tuesday of each month. Meetings are being held via Zoom, and the Zoom link is distributed to all Chapter members on the preceding Monday.

Note from the Editor

In order to make things easier, all ads will be printed in the Vettecetera for 3 months. If you would like to run it longer just notify me, and I will run it for another 3 months. Also please notify me if you have sold your items or found what you were looking for.

Parts for Sale

Differential C2 and C3. Casting 3899143 (69-1966 Muncie M20 transmission with linkage. Very low original miles. Last used in 1968, stored since. Still has original factory markings on gears. Comes with new gasket set. \$1,300.00. Email me for photos. Contact Steve Giovannini CCPG@mediacombb.net

Parts Wanted

Want to buy a reproduction jack for a `62. Also looking for a nice damage-free inner heater box for a non-AC `67. If you have any of these items, contact Rick Gower at 925-798-7877 or gowerr@aol.com

Tools For Sale

Auto rotisserie - Cost \$1,400 plus freight. Used once, sell for \$1,000 with much extra tubing. Gantry crane - cost \$1,200 plus freight, sell for \$800 with free electric hoist. Contact John Tidwell at 916-201-6061 or sampanjohn@earthlink.net

Engine Hoist - Pittsburgh Heavy Duty 1-Ton Folding Shop Crane. Purchased from Harbor Freight less than one year ago. Used only a handful of times for a car restoration project. Works perfectly and is in excellent condition. Asking \$175.

Body Dolly - Body dolly made from uni-strut. Used for the restoration of my 1966 Corvette but will work on all 1963-1967 Corvettes. It is

in excellent condition and worked well. Asking \$400. Contact Jeff Taylor at 707-299-9148 or jtaylor6399@gmail.com

Manuals Available

Over the years we (NCC) have accumulated a small collection of Corvette factory service manuals and other technical literature in our library, where they continue to collect dust. We have decided to offer these documents to NCC members on a first come-first served basis in the hope that you can put them to better use. If any of the following documents match a Corvette that you own and you would like to have it and are willing to pay the shipping, please contact either Gary Beaupre or Mike Ingham as indicated below. A small donation to the Chapter would be welcome.

Year	Title
1961*	AIM
1962*	AIM x2
1964	Shop Manual Supplement, ST 34
1969*	Chassis Service Manual
1953-76*	GM Chassis & Body Parts Catalog
1980	Service Manual, ST 364-80
1987	Service Manual, ST 364-87
1987	Electrical Diagnosis Manual, EDM
1984-90*	Corvette Parts & Illustration Cat.
1984-92*	Corvette Parts & Illustration Cat.
1993	Service Manual, Books 1 & 2
2005*	Service Manual, Books 1 & 2

*Contact Mike Ingham for these.

Business Card Ads

Business card ads are free for NCC members. Please send your business card to Mike Ingham, 6047 Lawton Avenue, Oakland, CA 94618-1802.



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2023 Event Calendar 		
January 10 th	NCC Meeting	Via Zoom
February 14 th	NCC Meeting	Via Zoom
February 23 rd -25 th	Florida Regional	Lakeland, FL
March 14 th	NCC Meeting	Via Zoom
March 23 rd -25 th	Tucson Regional*	Tucson, AZ
March 31 st -April 1 st	CCC Spring Judging Meet*	Nipomo, CA
April 11 th	NCC Meeting	Via Zoom
April 14 th /15 th	NCC Spring Judging Meet*	Los Gatos, CA
April 28 th -29 th	SCC Spring Judging Meet*	Fallbrook, CA
May 9 th	NCC Meeting	Via Zoom
June 1 st -3 rd	Pittsburgh Tri-State Regional	Altoona, PA
June 8 th -10 th	North Central Regional	Rochester, MN
June 13 th	NCC Meeting	Via Zoom
July 11 th	NCC Meeting	Via Zoom
July 23 rd -27 th	NCRS National Convention	French Lick, IN
August 8 th	NCC Meeting	Via Zoom
September 12 th	NCC Meeting	Via Zoom
September 14 th -16 th	Ontario Regional	Ontario, Canada
October 9 th	NCC Meeting	Via Zoom
October 19 th -21 st	Texas Regional	Frisco, TX

***Registration form included in this issue.**

Tucson Regional, March 23-25, 2023
Organized by the NCRS Southern Arizona & Northern California Chapters

SCHEDULE OF EVENTS (Tentative and subject to change)

Wednesday, March 22, 2023

9:00 pm to 6:00 am Security - Trailer Parking Lot

Thursday, March 23, 2023

8:00 am to 4:00 pm Registration Desk Open (Casino Lobby)
1:00 pm to 4:00 pm Operations Checks (Cold start required.)
PV – by appointment with National Team Leader only
All cars must be in place by 4:00 pm – no exceptions
4:30 pm to 5:30 pm Judging School – **John Amgwert** & Dave Brigham (Ballroom AB)
6:00 pm to 7:30 pm Welcome Reception – Cash Bar (East Pool Terrace)
Evening Dinner on your own
9:00 pm to 6:00 am Security – Judging Field & Trailer Parking Lot

Friday, March 24, 2023

6:30 am to 8:00 am Judges and Tabulators Breakfast & Judges Meeting (Ballroom FG)
8:00 am to 4:00 pm Registration Desk Open (Casino Lobby)
8:00 am to 8:10 am Owners Meeting on Judging Field
8:10 am OJ Meeting on Judging Field
8:10 am to completion Flight Judging – 53-55, 58-60, 63-64, 66, 67BB, 68-69, 84-96
9:30 am to 11:30 am Advanced Judging School – **Part 1** (Ballroom HIJ)
Noon to 1:00 pm Judges and Tabulators Lunch (Ballroom FG)
1:30 pm to 3:30 pm Advanced Judging School – **Part 2 (you must attend parts 1&2 to receive points)**
9:00 pm to 6:00 am Security – Judging Field & Trailer Parking Lot

Saturday, March 25, 2023

6:30 am to 8:00 am Judges and Tabulators Breakfast & Judges Meeting (Ballroom FG)
8:00 am to 8:10 am Owners Meeting on Judging Field
8:10 am OJs Meeting on Judging Field
8:10 am to completion Flight Judging - 56-57, 61-62, 65, 67SB, 70-72, 73-82, 97-04
8:10 am to completion Concours Judging
9:30 am to 11:30 am Advanced Judging School – **Part 1** (Ballroom HIJ)
Noon to 1:00 pm Judges and Tabulators Lunch (Ballroom FG)
1:30 pm to 3:30 pm Advanced Judging School – **Part 2 (you must attend parts 1&2 to receive points)**
~4:00 pm Cars Released
6:00 pm to 7:00 pm Cocktail Hour – Cash Bar (Conference Terrace)
7:00 pm to 9:30 pm Awards Banquet (Junior Ballroom)
9:00 pm to 6:00 am Security – Judging Field & Trailer Parking Lot

Sunday, March 26, 2023

6:00 am Security ends
11:00 am Check-out time

Registration and Information: Sharyl Ingham 510-420-0968
Local Information: Tom Barr 724-331-3949
Judging Chairman: Mike Ingham 510-420-0968

HOTEL RESERVATIONS

The Casino Del Sol Resort, 5655 W Valencia Road, Tucson, AZ 85757 <https://www.casinodelsol.com/> 1-855-765-7829
A block of 70 rooms will be available until February 20, 2023: If booking online use Group Code: 6659. If calling for reservations mention Group Name: National Corvette Restorers Society.
Room rates are \$169, plus tax.

****MAKE RESERVATIONS EARLY****

Judged, PV, and display cars must remain in place until Judging & Tabulation are completed on Saturday.
Tucson Regional Registration Form, March 23-25, 2023

Organized by the NCRS Southern Arizona & Northern California Chapters

NCRS Membership Number _____

Name: _____ Spouse/Companion: _____

Address: _____ Guest _____

City: _____ State: _____ Zip: _____

Phone: _____ E-mail: _____

EVENT REGISTRATION (Register online beginning December 1, 2022, and save \$10.)

____ Family Registration (mandatory) @\$85 (\$95 after February 23, 2023) **\$85**
 ____ Guest (non NCRS member) @\$30 \$____
 ____ Thursday Judging School _____
 ____ Advanced Judging School on Friday _____ or Saturday _____
 ____ Saturday Awards Banquet @\$75 ____ Beef & BBQ Chicken ____ Veg. \$____

CORVETTE REGISTRATION (one registration form per car)

Year _____ CID/HP _____ Coupe _____ Convertible _____ Exterior Color _____

Complete VIN _____

Interior Color _____ Interior Type _____ Insurance Policy _____

For C2 & Newer Body Build Date _____ Body # _____ Paint Code _____ Trim Code _____

Note: Corvette registrations must include copies of current DMV registration or title & current insurance certificate.

Circle One: Driven/ Trailered

____ Flight Judging Entry	@\$100	\$ _____
____ Bowtie/Crossed Flags Sign-off Entry	@\$100	\$ _____
____ Performance Verification Entry	@\$100 (Proof of Chapter third flight or higher)	\$ _____
____ Concours Judging Entry: Stock _____ Mod. _____	@\$75	\$ _____
____ Generational Award	@\$25	\$ _____
____ Sportsman Entry	@\$35	\$ _____
____ Founders Operations Check Entry	@\$35 (Proof of Chapter third flight or higher)	\$ _____
____ Special Display Bowtie-Duntov-McLellan-Hill-American Heritage-Crossed Flags (Circle One)		FREE
____ Secure Trailer Parking	@\$50	\$ _____
____ Award Mailing Fee	@\$35	\$ _____

Make check payable to: **NCC/NCRS** **TOTAL** \$ _____

Send to Sharyl Ingham, 6047 Lawton Avenue, Oakland, CA 94618

NO refunds after February 23, 2023; NO car entries accepted after February 23, 2023

JUDGING PARTICIPATION

Name _____
 Judge _____ Judging Level _____ Tab _____
 1st Choice _____ 2nd Choice _____
 Mech. _____ Chassis _____ Ext. _____ Int. _____ Ops. _____

Name _____
 Judge _____ Judging Level _____ Tab _____
 1st Choice _____ 2nd Choice _____
 Mech. _____ Chassis _____ Ext. _____ Int. _____ Ops. _____

Anyone attending this event, whether you bring a Corvette or not, must register and sign the following **Hold Harmless Agreement**.

I **AGREE** to insure my vehicle and property against loss, damage and liability and to provide proof of such insurance to NCRS at time of registration.
 I **AGREE** to assume the risk of any and all damages or injury and to indemnify and hold harmless NCRS, its officers, directors, agents, employees, Chapters and event workers for any acts or omissions that may result in the theft, damage or destruction of my property or injury to me or others occurring during, or as a consequence of this event, wherever located.
 I **AGREE** to abide by the NCRS Policy on Drugs and Alcohol. The use of illegal drugs is prohibited by anyone attending a NCRS event. The use of alcohol is prohibited by anyone participating in an NCRS event (includes while on the judging field, participating in driving tests and/or road tours), except during social events.
 I **REPRESENT** that I have not been diagnosed with, or presented symptoms (such as fever, head- and/or stomach-aches, coughing, difficulty breathing, etc.) consistent with COVID-19 within the immediately preceding 14 days of my signing this waiver and release. I further **AGREE** that I will not attend this event if I have been diagnosed with, or presented symptoms consistent with COVID-19, within the 14 days preceding the actual event start date.
 I **ACKNOWLEDGE AND AGREE** that I understand and will comply with the currently published NCRS Rules & Regulations for Events in the COVID-19 Era. I further acknowledge and assume the risk of potential exposure and contraction of COVID-19, and that NCRS has no way of testing participants for COVID-19, and, therefore, no way of guaranteeing that I will not be exposed to or contract COVID-19 or some other illness at this event. In consideration of being allowed to attend this event, I **AGREE** that, in the event of any illness to me that may relate to, arise out of, or in any way concern my attendance and/or participation at this event, NCRS and its employees and agents are **RELEASED** from any and all liability whatsoever that may arise from any illness occurring and from any responsibility and/or liability for my acts or conduct. Further, I **WILL HOLD HARMLESS AND WILL UNCONDITIONALLY INDEMNIFY NCRS AND ITS AGENTS AND EMPLOYEES AGAINST ALL CLAIMS, CAUSES OF ACTION, AND DAMAGES FOR WHICH NCRS MAY BECOME LIABLE BY REASON OF SUCH ILLNESS, WHETHER BROUGHT BY ME OR AGAINST ME OR BY ANY PERSON HAVING A LEGAL INTEREST IN THE PROPERTY OR PERSON OF ME.** I understand that this release of claims and indemnity **APPLIES TO ILLNESSES CAUSED EITHER IN WHOLE OR IN PART BY ANY NEGLIGENT ACT OR OMISSION OF NCRS, ITS OFFICERS, EMPLOYEES, REPRESENTATIVES, OR AGENTS. MY RELEASE ALSO APPLIES TO ANY ILLNESS SUSTAINED BY ME DUE TO THE COVID-19 PANDEMIC.**

Signature: _____ Date: _____



CCC/NCRS Spring

2-day Judged Meet

March 31st & April 1st at the VivasGarage

370 Verbena Street, Nipomo, Ca

Operations Judging at 12:00 Fri & School 3pm, Saturday 8am

For Event and Judging Information contact Steve Shrefler (805)994-7102

Family Registration \$25

Non-Member Guest(s)...\$10 Each _____
 Flight Judging.....\$90 _____
 Concours.....\$50 _____
 Sportsman.....\$13 _____
 No ribbon Sportsman....\$3 _____

TOTAL =

REGISTRATION DEADLINE IS MARCH 15

Make checks payable to: **CCC/NCRS**
 Mail to:
Steve Shrefler, 113 Via Bandolero,
Arroyo Grande, CA 93420

No. attending **DINNER Fri evening**

Name _____ Spouse _____ Guest _____
 Street _____ City _____ State _____ Zip _____
 e-mail _____ Phone (____) _____ NCRS# _____

I wish to help Judge Judging Level _____
 Name _____

I wish to Tabulate
 Level _____ Name _____

First Choice (Circle one)

Interior Exterior Mechanical Chassis Operations
Generation Preferred (Circle one)
C1(53-62) C2(63-67) C3(68-82) C4(84-96) C5(97-99)

Second Choice (Circle one)

Interior Exterior Mechanical Chassis Operations
Generation Preferred (Circle one)
C1(53-62) C2(63-67) C3(68-82) C4(84-96) C5(97-99)

Vehicle Information

Flight Concours Sportsman
 Bowtie/Special Interest/Display (no fee)
 Year _____ VIN _____
 Engine _____ Horsepower _____
 Coupe Convertible Driven Trailered
 Trailer Parking Needed Miles Driven _____

Release and Waiver of Liability (Hold Harmless agreement)

I AGREE: X _____ **Date** _____

To insure my vehicle and property against loss, damage and liability and to provide proof of such insurance to NCRS at time of registration. To assume risk of any and all damages or injury and to indemnify and hold harmless NCRS, it's officers, directors, agents, employees, chapters and meet workers for any acts or omissions which may result in the theft, damage or destruction of my property or injury to me or others occurring during, or as a consequence of this event, wherever located. To abide by the NCRS Policy on Drugs and Alcohol (revised 2006). The use of drugs or alcohol by anyone attending an NCRS event including NCRS members, family members, guests, and vendors is prohibited while participating in any judging meet, driving tests and/or road tours.

Build Date ____ / ____ / ____ Body Number (63-67) _____

Exterior Color _____ Paint Code _____

Interior Color _____ Fabric _____ Trim Code _____

Chapter Affiliation (if any) _____

Insurance Co _____

Policy# _____

Expiration Date ____ / ____ / ____

NCRS Northern California Chapter Spring Judging Meet Registration

Friday/Saturday, April 14/15, 2023

NCRS members and their guests are invited to attend NCC's Spring Judging Meet to be held at the Los Gatos Lodge, 50 Los Gatos – Saratoga Road, Los Gatos, CA 95032 (408) 354-3300. Rooms are available at rates ranging from \$119 to \$179, plus tax. The group code is NCRS.

General Meet Information

Sharyl Ingham 510-420-0968 sharylingham@gmail.com

Judging Information

Mike Ingham 510-420-0968 michael.ingham248@gmail.com
 John Tidwell 530-432-2503 sampanjohn@earthlink.net

Event Schedule - Friday, 4/14

12:00 pm – 2:00 pm - Registration
 2:00 pm – All cars must be in place on show field.
 2:00 pm – 5:00 pm – Flight Judging - Exterior
 5:00 pm - 6:00 pm - Judging School – C1 Topic

Event Schedule – Saturday, 4/15

7:00 am – 8:00 am - Registration
 8:15 am – Judges Meeting, followed by Owners Meeting
 8:30 am – finish - Flight Judging

NCRS Membership Number: _____ Expiration Date: _____

Name: _____ Spouse/Companion: _____

Non-NCRS Guest _____

Address: _____ Email: _____

City: _____ State: _____ ZIP: _____ Phone: _____

Note: Register online at www.NCRS.org starting January 1 and save \$10 on your family registration fee.

Event Registration

____ Family Registration Fee (required for all registrants) **\$30**
 ____ Guest Fee (non-NCRS member) @\$10 Each \$ _____

IN ORDER TO PROVIDE QUALITY JUDGING, WE RESERVE THE RIGHT TO LIMIT THE NUMBER OF CARS JUDGED. PREFERENCE WILL BE GIVEN TO CARS THAT HAVE NOT BEEN JUDGED BEFORE, AND IN ORDER OF DATE REGISTRATION WAS RECEIVED

Cut-off date: April 1, 2022

CORVETTE REGISTRATION (One Registration form per car) (Circle ONE) Driven / Trailered

Year _____ CID/HP _____ Coupe _____ Convertible _____ Complete VIN _____

Ext. Color _____ Int. Color _____ Material (Circle ONE) Cloth / Vinyl / Leather

For C2 & Newer Body Build Date _____ Body # _____ Paint Code _____ Trim Code _____

Note: Corvette registrations must include a copy of title or current DMV registration, plus a copy of current insurance certificate.

____ Flight Judging Entry	@\$95	\$ _____
____ Concours Judging Entry _____ Stock _____ Modified	@\$50	\$ _____
____ Sportsman Entry	@\$15	\$ _____
____ Special Display Bowtie – Duntov - McLellan – Hill – Crossed Flags – American Heritage (circle one)	FREE	
Note: All registrants must pay family registration fee.	TOTAL	\$ _____

Make check payable to: NCC/NCRS and send completed application to:

Sharyl Ingham, 6047 Lawton Avenue, Oakland, CA 94618-1802 510-420-0968 sharylingham@gmail.com

No refunds after April 1, 2022

JUDGING/TABULATION PARTICIPATION (Check if needed:) Please see reverse side for second judge/tab participant information.)

Name _____ Judging/Tabbing Level _____

I would like to judge: 53-62 _____ 63-67 _____ 68-82 _____ 84-96 _____ 97-04 _____ I would like to tabulate: _____

Chassis _____ Exterior _____ Interior _____ Mechanical _____ Operations _____

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 I ACKNOWLEDGE AND AGREE that I understand and will comply with the currently published NCRS Rules & Regulations for Events in the COVID-19 Era. I further acknowledge and assume the risk of potential exposure and contraction of COVID-19, and that NCRS has no way of testing participants for COVID-19, and, therefore, no way of guaranteeing that I will not be exposed to or contract COVID-19 or some other illness at this event.
 In consideration of being allowed to attend this event, I AGREE that, in the event of any illness to me that may relate to, arise out of, or in any way concern my attendance and/or participation at this event, NCRS and its employees and agents are RELEASED from any and all liability whatsoever that may arise from any illness occurring and from any responsibility and/or liability for my acts or conduct. Further, I WILL HOLD HARMLESS AND WILL UNCONDITIONALLY INDEMNIFY NCRS AND ITS AGENTS AND EMPLOYEES AGAINST ALL CLAIMS, CAUSES OF ACTION, AND DAMAGES FOR WHICH NCRS MAY BECOME LIABLE BY REASON OF SUCH ILLNESS, WHETHER BROUGHT BY ME OR AGAINST ME OR BY ANY PERSON HAVING A LEGAL INTEREST IN THE PROPERTY OR PERSON OF ME. I understand that this release of claims and indemnity APPLIES TO ILLNESSES CAUSED EITHER IN WHOLE OR IN PART BY ANY NEGLIGENCE ACT OR OMISSION OF NCRS, ITS OFFICERS, EMPLOYEES, REPRESENTATIVES, OR AGENTS. MY RELEASE ALSO APPLIES TO ANY ILLNESS SUSTAINED BY ME DUE TO THE COVID-19 PANDEMIC.

Signature: _____ Date: _____



NCRS SPRING FLIGHT JUDGED MEET

Hosted By Verity Hobbs/The Hobbs Ranch

665 Burma Road, Fallbrook, CA

FRIDAY & SATURDAY – April 28th and 29th, 2023

Registration, Judging, Judging Schools will all be held at The Hobbs Ranch

Meet Registration will open Friday, April 28th at 2PM

Event & Judging Questions Beverly & John LeGate Co-Judging Chairs 408-981-1200

HOST HOTEL TBA

THIS IS A FIVE-POINT TWO-DAY JUDGED EVENT!

REGISTRATION OPENS JANUARY 15, 2023 online at the NCRS National Webpage. Please mail after 1-15-23!

Cars must be in place by **3pm Friday - 8:00 AM Saturday**, with a OWNER'S Meeting Saturday at 8:15 AM followed by a JUDGE'S MEETING. **OWNERS MUST BE PRESENT FRIDAY AND SATURDAY TO MEETS END.**

We do request that you register **ON-LINE** or mail in the registration form on or before April 10th, 2023. No refunds after April 10th, 2023.

OPERATIONS CHECK FRIDAY April 28th, 2023 3-5 PM BY APPOINTMENT. FLIGHT OWNERS MUST BE PRESENT.

Fees:

Meet Registration Members \$25.00 (spouse & children under 23 yrs.)	\$ _____
\$30.00 Postmarked after APRIL 10, 2023.	\$ _____
Guests 1/2 of members' registration: \$12.00, Postmarked after April 10, 2023, \$17.00 NON NCRS MEMBER	\$ _____
Flight Judging \$ 95.00	\$ _____
Sportsman Award \$13.00 or (No Ribbon \$3)	\$ _____
Concours Judging \$ 50.00 { } Stock { } Modified	\$ _____
Join SCC (Must be a NCRS National member) \$28.00, Link: http://www.ncrs.org/scc/app.html	\$ _____

Or make checks payable to SCC/NCRS and Mail registration form and fees to: Beverly LeGate

PO Box 2739 Ramona, CA 92065 408.981.1200 beverylegate@yahoo.com **Total: \$ _____**

The following information will be used on your judging summary sheet if you are having a car judged.

Please enter the following car for [] Flight Judging 53-2004, [] Sportsman Award, [] Concours { } Previous Duntov/Hill/McClellan Award display/Special interest Display (no fee). Please print legibly.

Year _____ VIN _____

Notice: First come first serve. No cars accepted after April 1, 2023 postmark. Flight cars usually fill up in first week.

Horsepower _____ Exterior Color _____ Interior Color & Fabric _____

Horsepower, Exterior Color, Trim Color and Fabric entries are mandatory for all vehicles. In addition, 1963 through 2004 vehicles must include all numbers and characters from the Trim Tag or Service Parts Identification Label with respect to Build Date, Paint Code, and Trim Code plus Body Number for 1963 through 1967 vehicles.

Build Date _____ Paint Code _____ Trim Code _____ Body No. _____

[] Convertible, [] Coupe, [] Corvette Driven, [] Corvette Trailered, [] Need trailer parking

Miles driven _____

Member Name _____ I would like to help with:

Judging 1st Choice _____ 2nd Choice _____ 3rd Choice _____

Ops Interior Exterior Mech or Chassis (circle two)

Spouse _____ **NON NCRS MEMBER Guest Name** _____

I would like to help with:

[] Flight Judge, [] Observer Judge, [] Tabulate

Judging 1st Choice _____ 2nd Choice _____ 3rd Choice _____

Ops Interior Exterior Mech or Chassis (circle two)

Address _____

City _____ State _____ Zip _____

E-mail: _____ **Chapter Affiliation (if any):** _____

Phone (Home): _____ Work: _____ Cell: _____

NCRS National Membership # (see mailing label on your Driveline or Restorer): _____

REGISTRATION OPENS FRIDAY AT 2PM AT THE HOBBS RANCH. ALL NCRS ACTIVITY AT THE HOBBS RANCH.

JUDGING SCHOOL TBA FRIDAY 5-6PM # ATTENDING _____ JUDGES AVAILABLE FRIDAY 3PM YES OR NO _____

FRIDAY NO HOST DINNER TBA 6:30PM # ATTENDING _____ JUDGING CERTIFICATE YES OR NO! _____

HOLD HARMLESS:

Anyone attending this event, whether you bring a Corvette or not, must register and sign the following Hold Harmless Agreement. Anyone bringing a Corvette, whether to be judged or not, must read and sign the following Hold Harmless Agreement. Proof of registration and in-force insurance must be provided, most preferably in advance with your registration application, or at the Meet Registration Desk when you check in, BEFORE the car can be Operations Checked and / or placed in its final location. **HOLD HARMLESS AGREEMENT:**

I AGREE to insure my vehicle and property against loss, damage and liability and to provide proof of such insurance to NCRS at time of registration.

I AGREE to assume the risk of any and all damages or injury and to indemnify and hold harmless NCRS, it's officers, directors, agents, employees, Chapters and event workers for any acts or omissions that may result in the theft, damage or destruction of my property or injury to me or others occurring during, or as a consequence of this event, wherever located.

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Company _____ **Policy #** _____ **Expiration Date** _____

Signature _____ **Date** _____

NCRS Rules & Regulations for Events in the COVID-19 Era

EFFECTIVE IMMEDIATELY, the National Corvette Restorers Society, Inc. (NCRS) will follow the mandates that are currently in place on that given day and at that given event location for all NCRS events as set forth by the United State Centers for Disease Control (CDC) or another branch of the US federal government, Public Health Agency of Canada, European Centre for Disease Prevention and Control, any host state and/or local government, and/or a private host facility.

The above-mentioned rules will be followed at all NCRS events until such time that it is determined that they are no longer needed.

Approved by NCRS Board of Directors: June 6, 2021.



SHARYL INGHAM at 6047 Lawton Avenue, Oakland, CA 94618

ANNUAL DUES: January 1st through December 31st, **\$30; now payable through the NCC/NCRS website at:** <https://www.ncc.ncrs.org/>

NCRS Membership Number: _____ **Expiration Date:** _____

(From *Driveline* or *Restorer* Address Label)

You must be an NCRS Member to be a Chapter member.

Check as Applicable:

- _____ New Member
- _____ Renewal
- _____ Change of Address

Please Print or Type

Name _____ Birthdate: Month _____ Day _____
Spouse _____ Birthdate: Month _____ Day _____
Street _____ Apt. _____
City _____ State _____ ZIP _____
Home Phone _____
Cell Phone _____
Work Phone _____
E-mail _____

Please list the Year(s) and Model(s) of your Corvette(s) _____

This information will be published in the Chapter's roster.

Please check your exclusions.

- _____ Name
- _____ Birthdate
- _____ Street Address
- _____ City
- _____ Zip
- _____ Phone
- _____ NCRS#
- _____ E-mail