

INTAKE MANIFESTO



Arizona Chapter NCRS

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SAVE THE DATES:

- February 20 - Judge school in Tucson 10
- March 19 - Local area judge schools (Tucson & Phoenix)
- March 20 - Local Meet in Chandler 11
- March 21- Cruise/Charity Event Davis Monthan Air Base (watch for flyer)
- July 13 - July 17, 2010 - National, Concord NC

ACT NOW

Register for the March 20th Chapter meet in Chandler. Registration is due no later than February 20.

Tucson area meeting Feb. 23rd 2010 @ 6:00pm

Join Club members at Davis-Monthan Airbase, March 21.

Chairman's letter

February 2010
Tom Barr

2009

We ended the year with our Christmas Party which was very well attended. The silent auction again raised money to help our charity program. I turned in our last report to National and we have fulfilled the requirements to again receive the Top Flight Chapter Award at this year's National Convention in Charlotte, at Lowes Motor Speedway. We are now working on the 2010 requirements; please send in your technical articles to Cathy Bergmann.

Webpage

If you have not checked out our new website (www.arizonancrs.com) take a few minutes to go through it and see what a great site we have. Thanks to Mike Grammond and Bob Schenkel for keeping us ahead of the other Chapters in the NCRS. Our site includes the Arizona Chapter events as well as other Corvette related activities, resources and a member forum. Topics on the forum can help you submit ideas to us, share travel information for other events outside Arizona (other members are sometime looking to share a ride and or a room to help defer some of the costs), as well as technical questions to name a few. Chapter clothing is also available to view and buy.

Chapter Judging Event

Do not forget our March judged meet in Chandler and we are awaiting the confirmation of doing a charity event / road tour to the air show at Davis Monthan Air Force Base in Tucson. Our plan is to participate on Sunday, March 21st (following our judged meet) and be right on the flight line with the jets. It will make for great photos and all of the money raised will go to the Air Force Association, a group that helps our Airman

and their families while they are deployed.

2012 Bid

We have asked to do a Regional Event here in Arizona in 2012. This event, if it is given to our chapter, will be a 'feeder' meet for the National Convention in San Diego. We will know our status after the March National Board Meeting in Charlotte. If we are fortunate enough to get it I will be asking for your help in making it a memorable and fun event for the whole NCRS.

Treasurer's Report

October 2009---February 2010

Dave Barclay

As of 02/08/10 we currently have 134 members for 2010. We would like to welcome the following new or returned members:

From Anthem:

Grant & Georgeann Pavolka

From Cave Creek: David &
Tammy Seymour

From Cornville:

Bernard & Connie Myers

From Chandler:

Joseph & Deborah Troutwine

From Fountain Hills: William
& Carolyn Gest

From Lake Havasu City: Paul &
Connie Beaulieu

From Peoria: Anthony
& Sheely Barrell

From Phoenix:

Joseph & Betty Provasoli,
William & Nancy White.

Lincoln & Lynn Singer and
Ronald Buchanan

From Scottsdale:

Jeff Novick

From Sedona:

Steve & Lenore Fiedler

From Surprise:

Claudius & Rita Fiedler

From Tucson:
Franklin Bich
From Penn Valley, California: John &
Sophia Tidwell
From Kurrajong, Australia:
Murray & Wendy Forman (many
of us met Murray and Wendy at
the Christmas party)

Any member who receives email and has not been receiving notices of news and upcoming events from our secretary, Mike Grammond, please let me or Jack Nance know and we will check to see if your email address is correctly entered on the membership roster. Those without email will have notices sent by snail mail.

If anyone's personal information (Address, phone number, email address, car information) has changed, please let me know so I can update the roster. I will be sure to coordinate this with our Membership Chairman, Jack Nance. You can email changes to me at dbarclay1@cox.net and to Jack at jacknance@wbhsi.com

Any member who wishes a 2010 roster, contact me and I will email one to you. You will need to be able to open an Excel document.

The checking account breaks down as follows:

Beginning Balance	10/10/09	\$9,903.52
Dues Received		\$2,520.00
Chapter Income		\$1,832.79
Chapter Expenses		\$3,699.95
Ending Balance	02/08/10	\$10,556.36

Chapter Income: Christmas Party, Charity Auctions, Apparel Sales
Chapter Expenses: Christmas Party, Membership, Newsletter, Charity, Postage, Telephone Conference, Apparel

Phoenix "Area" Chapter Meeting and Judging School

Gary Eastwood
Photos: Newton Johnson

On Saturday morning, February 6th AZ/NCRS members living in the Phoenix/Valley area gathered at Garry Eastwood's garage in Scottsdale for an "area" Chapter meeting and judging school. The meeting was well attended with 28 members present.

John Randolph started the meeting with an update on current Chapter business. He also polled the group for additional ideas on how to improve our local meetings and increase participation.

Tom Barr made the "trek" up from Tucson and provided an update on the status of our plans for hosting a Regional Meet in 2012. For this to be a successful event for the Chapter, membership participation in running the event will be crucial. Gary Bennett offered an update on the Spring Judging Event (March 20th). At this point in time, the number of cars registered to be judged is low. If you are interested in having your car judged at this event, send your completed registration form to Gary Bennett as soon as possible.

With the Chapter business completed, the remainder of the meeting was devoted to the judging school which was worth 1 NCRS Judging point. Gary Bennett moderated the discussion.

Members presented a diverse array of original and "repro" parts - voltage regulators, license plate brackets, hubcaps, air cleaners, headlight switches, etc. Newt Johnson (also making the "trek" up from Tucson...) took numerous photos of the parts. These will be posted to the Chapter website for viewing by those folks unable to attend the meeting.

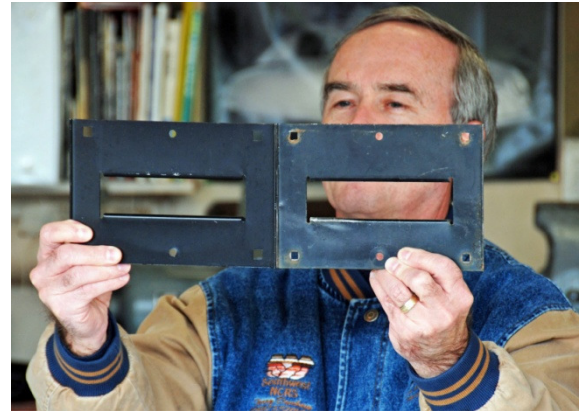
The general consensus of those who attended the meeting is that Saturday Chapter meetings at member garages are “the way to go”. The participation goes up and more people will drive their Corvettes to the meeting. As we move into the summer months with the Valley’s temperatures going up, we will be seeking members with air-conditioned garages to host a meeting. If you are interested in doing this, please contact John Randolph.



John Marsh



Example of original vs. reproduction



Terry Dunham showing original vs. reproduction



Member cars at Phoenix area meeting

Region IX Representative Report

By Ed Vignone

2009 has come to an end I hope that all had a pleasant Holiday Season. This year our family gathered together in Lake Tahoe and I spent some quality time with my children and grandchildren.

2009 was a great year for Region IX Chapters which hosted an outstanding Regional at Lake Tahoe and National in San Jose and many successful Chapter Events.

2010 should be a good year for NCRS with Six Regionals planned and the National being held in Concord NC at the Lowes Motor Speedway on July 13 - 18, 2010. The room reservations will not be delayed

until you register with NCRS, reservations are available now from the Host Hotel and other Hotels in the area (see the latest Driveline for Hotel information).

I plan on going to the Florida Winter Regional and look forward to seeing old friends and meeting new ones. Hope to see you there!

NCRS will have a presence at The Barrett Jackson Auction which will be held Jan 18-Jan 24. They can always use some help if you plan to be in the area.

The Region IX chapters have contributed to charities in 2009 and are in line to get matching funds from National.

I might reiterate the fact that each NCRS member who has earned Judging Points, Tabulation Points and/or Sportsman Award points can find that information posted on his/her Member Profile; however to do so you must be registered on the Technical Discussion Board.

The procedure is as follows:

*First you must be logged in to the Technical Discussion Board. You should see **Welcome** in the upper right hand area of the screen.*

At the bottom of the home page you will find a list of logged in members. Find your name and click on it. Scroll down to the bottom of that page and on the left side you will find your Judging and Tabulating Points along with the events that you have been credited for in the past 12 months.

If you have not received credit for an event that you have participated in, you need to contact the Judging Chairman of that event. You need to be aware that Judging Chairmen need a couple weeks to a month to get the data recorded after an event so give them the time to do that. If

after that time you have not been awarded the points you have earned, be sure and contact the Judging Chairman of the event for which you have not received credit as soon as possible.

The next National Board meeting will be held in Concord NC on March 26- 28, 2010. If you have questions or concerns please contact me. vignone@ieee.org

Return Spring Install

Thomas Kumisca - 48059
Michael Grammond - 41389

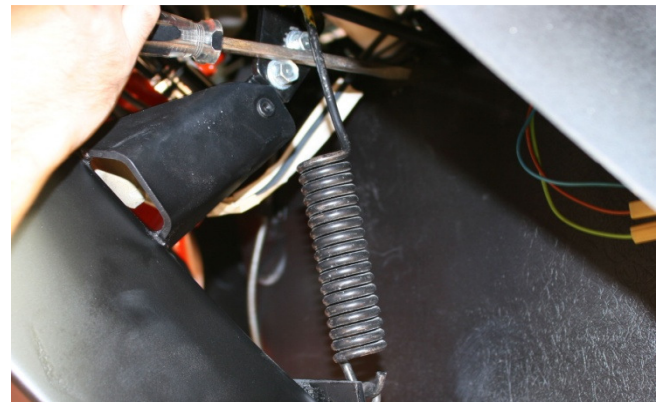
During a recent restoration of a 1957 corvette we came to installing the clutch linkage and return spring. Looking through past articles of The Corvette Restorer we found an article by Joe Calcagno in volume fourteen number one, summer 1987. In this article Joe describes how to make a special tool to install the clutch return spring. After considering the time and cost of fabricating this tool or having someone fabricate it for a one time use, we wanted to find an easier cost effective way to accomplish the install. Below describes a way to install the spring with nothing more than a large flat blade screw driver and simple hand tools.

Before starting you should have the clutch pedal and pedal pushrod installed and clutch fork pushrod installed at the clutch fork. Temporarily install the clutch pedal pushrod to the cross shaft lever (see Picture 1). Push clutch fork back until the throw out bearing contacts the fingers of the pressure plate so there is zero lash. Push inboard cross shaft lever forward until clutch pedal arm is against rubber bump stop. Adjust swivel on forward end of clutch fork pushrod until swivel pin will slide into cross shaft lever hole (see picture 2). At this point you should have Zero lash in the clutch linkage with the throw out bearing contacting the fingers of the pressure plate and the clutch arm

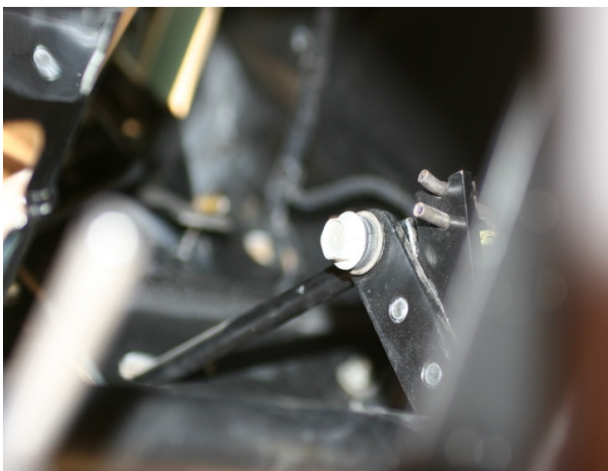
contacting the bump stop. Shorten clutch fork pushrod (to get proper lash) by turning swivel 2 turns onto the rod. Leave swivel disconnected at this time to aid in return spring install. Disconnect clutch pushrod from cross shaft lever and push outboard so cross shaft lever has room to pass by (see picture 1). Rotate cross shaft assembly to the rear to allow the return spring to be installed with no load at this time (see picture 3). Once spring is installed stick a large flat blade screw driver with a square shaft between the two bolt heads holding the clutch spring breakaway lever to the cross shaft lever (see picture 3). Use screw driver handle, to overcome spring tension, and rotate cross shaft forward until clutch fork pushrod swivel can be installed in cross shaft lever hole. Install spring, washer, and cotter pin to retain swivel in cross shaft lever (see picture 4 and 2). Repeat this process to align holes in clutch pedal pushrod and outboard cross shaft lever to allow bolt to be installed. Install washer and nut on bolt and tighten to specification (see picture 1). In our case the 56-57 A.I.M had a clutch pedal breakaway adjustment of 6 to 9 lbs. This was accomplished by adjusting clutch spring breakaway lever.



Picture 2-Clutch Fork, Pushrod, Swivel, and Inboard Cross Shaft Lever



Picture 3-Clutch Return Spring Relaxed



Picture 1-Clutch Pedal Pushrod and Outboard Cross shaft Lever



Picture 4-Overcoming Spring Tension



Picture 5-Finished Install

AZ Chapter Online Forum

Michael Grammond - 41389

Happy New Year everybody! With the start of 2010, the AZ Chapter of NCRS is introducing a new-no cost addition- to go along with our new web site. We now have our own private forum.

Our forum will be for current AZ chapter members only, for privacy and to keep out the spam. It will give members a better way to communicate between events with each other. This way members can respond or give feedback in posts that are normally emailed out by the chapter Secretary. There will be a variety of sections for posting and viewing. For example, if a member doesn't want to view the want/sell ads from other members then that member doesn't have to go into that section of the forum, etc. Conversely, if a member is looking to car pool to or share a room at an event they can post that as well. You can even have the forum email you whenever another member posts a response in a topic. Or have it email you every time someone posts anything in a section. You can set the level, type, and amount of information you receive from and share with the chapter membership. This is a great communication tool.

Moving forward most of the chapter communication will be via our forums. You will still receive important and timely emails from the Secretary but most of the other emails will be posted in the forum. Please visit our

forum soon and register (see link and picture below). It only takes a minute and the success of our forum depends upon member participation.

Please use your real name for your username (First and Last) so we know who you are to approve your registration. Also, other members will know who they are communicating with as we have done in the past with emails. Once the Administrator has approved your registration you'll receive an email that allows you to log in with your name and chosen password. This process insures non chapter members can't access our forums to view, post, or harvest email addresses. For now none of our forum sections can be viewed or are accessible to outside viewers. At some time in the future we may allow the sell/want ads and maybe an announcement section to be viewed by nonmembers.

This is for the benefit of our chapter and members.

<http://arizonancrs.com/simplemachinesforum/index.php>

Or you can go to our website (<http://arizonancrs.com/>) and click on the forum tab. Once you're there click on the "register an account" and follow the directions. Once your new account has been approved you can log in and start using your new forum.

Warning!
Only registered members are allowed to access this section.
Please login below or [register an account](#) with Arizona NCRS Forum.

Login

Username:

Password:

Minutes to stay logged in:

Always stay logged in:

Login

[Forgot your password?](#)

Forum register page

National Technical Discussion Board wants you!

Vinnie Peters

Corvette Restorer 2010/with permission/

The Technical Discussion Board wants you!

Sign up and register for the TDB, if you haven't already.

Join the other 5000-plus NCRS Members that are using and enjoying the TDB.

Since the upgrade to newer software and members-only access in March 2008, the TDB has experienced great technological advances for NCRS.

1. On-Line Driveline is posted in a searchable PDF file.
2. Judging Points-Members can review judging points earned in their public profile via Members List menu tab.
3. Sportsman Points - Members can review Sportsman Points earned in their public profile via Members List menu tab.

To activate your TDB account, go to <http://www.ncrs.org/forums/register/initiate.php>

The TDB contains over 120,000 posts since the 2008 upgrade and has over 320,000 posts in its archive forum. All these postings are searchable by keyword providing an unprecedented wealth of Corvette restoration information!

FAQ's (Frequently Asked Questions) are available on subjects like photo posting, how to reset your password and update your e-mail address.

<http://www.ncrs.org/forms/faq.php>

NCRS technical notables such as Joe Lucia, Duke Williams, John Hinckley, Terry McManmon, Art Armstrong along with many others strive to do their utmost to answer NCRS Member's questions regarding our beloved Corvettes.

Following are quotes from a few of the TDB many members.

Tim Ehlers: "Here are just some of the reasons that I have found the TDB helpful:

- *Research the finishes of fasteners, brackets, and other components.*
- *Locate solutions to mechanical problems you may be currently experiencing.*
- *Find articles posted by other members.*
- *Ask questions about how a part works or fits.*
- *Study how an original or reproduction part would fare when judged.*
- *Receive advice on how best to restore a component.*
- *Learn how an assembly was actually built from people that once worked on the line.*
- *Research very technical data from the resistance values of a gas tank sending unit to the lift and duration specifications of a specific camshaft."*

Jerry Fucillo adds "I have found the NCRS Technical Discussion Board an education in itself on the older Corvettes. In just reading the threads, there is so much technical information being shared among members who have been there and done that before. In every one of my articles written for the Restorer magazine, much of the technical information came from the Technical Discussion Board in comments, advice and information received there. The archives and photos are just great. Whenever I have a question on a particular issue, the answer is usually there."

Stewart Allison "Technically the site is a must for the restoration [by] anyone even half committed to either driving their classic everyday or trying to restore their car to judging levels. The help from people who have been in the Corvette

industry for decades and know these cars from inside out are amazingly helpful. I live in Australia and the Corvette was never sold here new. So I am completely relying on the NCRS TDB to guide myself through the challenges of restoring my Corvette. I have learned more from the TDB than I could have ever imagined."

NCRS Help Desk is also available to assist members with problems related to: the TDB, Calendar of Events, login, website in general, orders from the NCRS Online Store, lost issues of The Driveline or Restorer, problems placing a Driveline ad online, problems with making a change of address online.

In addition to the knowledge base the Help Desk is manned by several help desk people, so you will normally get a pretty quick resolution to your issue.

<http://www.ncrs.org/helpdesk/>

So, get going and activate your TDB account today!

<http://www.ncrs.org/forums/register/initiate.php>



Member Spotlight

Tom Kumisca & TKO Group, LLC

Thomas W. Kumisca is a level 9 judge and soon to be Master Judge in the NCRS. He is well known in the NCRS community and serves as the Tucson outside coordinator for the Arizona Chapter. Tom comes from a 22 year aviation maintenance and fabrication background where attention to detail is a must. He has also worked in automotive paint & body for over 10 years. This combination of experience is ideal for the type of services TKO Group offers

TKO Group is an automotive restoration shop located in Tucson that provides complete restoration, component

restoration, custom fabrication, paint & body repair, resto-mod services for all classic makes and models. TKO Group has worked on many Arizona chapter members' Corvettes and offers a discount to current chapter members. Tom can be reached at 520-269-3731 or tkogroupllc@gmail.com.



Tom Kumisca with Pete Bergmann's 71 body

NEW FEATURE!!

Editor Note: We will try to feature a member each newsletter. Next time, watch for a new member in the spotlight who will be hosting a tech session.

Member for Sale Items and advertisements:

1987 C-4 Coupe

Sport red with graphite leather; Local top flight, October 2007 (98.7). 20K Miles \$14,000. Pete Bergmann 602-414-3673

pbergmann@2mfg.com

Matching Numbers: Original GM Gang Stamp Rental.

Ed Korte #28888

520-544-9209

edkorte@nwmanage.com



Arizona Chapter NCRS
Chapter Judging School
Feb. 20, 2010 – Tucson Area

All Members and Guests Welcome

Reference Manual Judging School

Location:

Gary Grammond's House
6412 E. Shepherd Hills
Tucson, AZ 85710
520-885-7567 home
520-269-3731 cell

Includes Coffee & Donuts

Time: Coffee & Donuts @ 6:30pm / Start @ 7:00pm
Please bring your own **chair** for the presentation

AGENDA: NCRS Reference Manual DVD

*****Worth One Judging Point*****

Directions:

I-10 to Tucson, Exit Kolb Rd exit, take Kolb Rd north, approximately 5 miles turn left on Broadway Blvd, approximately 1 mile, turn right on Wilmot Rd, go past fifth street, take the next right on Brian Kent Dr., take the first right on Shephard Hills and follow it around past the park, the house is the second one on the right.

NCRS Arizona Chapter Spring Meet – March 20, 2010

The Arizona Chapter invites you to our annual Spring Meet in Chandler, Arizona, featuring Flight Judging of 1953 through 1996 Corvettes. Join fellow NCRS members at Stellar Airpark for a day of sunshine, spectacular Corvettes, good food, and great friends!

Schedule

Registration Opens	8:30AM
Judges / OJ / Owners Meeting	9:00AM
Judging Begins	9:15AM
Lunch	Noon
Judging Continues	12:30PM
Awards Presentation	4:00PM



Directions

Take I-10 to Loop 202 East – Take exit 51, McClintock Dr. Turn left (North) on McClintock, cross over the freeway and take your first left onto Milky Way. Take your first left (South) on 79th Street go one block and turn right (West) on Kitty Hawk. The address is 4161 Kitty Hawk.

Hotels:

Windmill 3535 W Chandler Blvd, Chandler, AZ - (480) 812-9600

Comfort Inn 255 North Kyrene Rd., Chandler, AZ - (480) 705-8882

Event Information: www.ncrs.org/arizona or contact Gary Bennett at 480-763-1646 or via e-mail at gibennett732@aol.com

Registration

Registration Fee – spouses included \$ _____
 All must register: includes breakfast
 Early Registration (2/20/10 or earlier) - \$ 12.50
 Late Registration (2/21/10 or later) - \$ 20.00

Guests each - \$ 10.00 \$ _____

Lunch \$ _____
 Registered Arizona Chapter members - No Charge
 Spouses, guests and Non-AZ Chapter NCRS members (each) - \$ 7.50

I wish to join the Arizona Chapter - \$20.00 \$ _____
 \$20 covers the full year membership through Dec, invitations to chapter technical seminars, judging schools, and socials.
Note: You must be an NCRS National member to join.

Flight Judging Entry - \$40.00 \$ _____
All Flight Judging entrants please read the following:

- We reserve the right to limit the number of cars being judged based on how many judges are available. The following rules will be used:*
- 1) **All entries for Flight Judging will be selected based on postmark date starting on Feb. 1, 2010. No entries for Flight Judging will be accepted prior to Feb. 1, 2010. Any entry received prior to this date will be returned.**
 - 2) **Entries postmarked after Feb. 28, 2010 will be held as contingency entries, to be judged if space is available.**
 - 3) **All entrants will be notified no later than Feb. 28, 2010 of their acceptance for Flight Judging.**
 - 4) **All entries must include proof of insurance.**
 - 5) **All Flight Judging entrants are responsible for reading the NCRS Judging Reference Manual.**
 - 6) **Event will be held rain or shine as Judging area is covered.**

Required Information for Flight Judged Cars

Year _____ Complete VIN _____
 Horsepower _____ Exterior Color (Full Name) _____
 Interior Color _____ Fabric Type _____
 Coupe or Convertible _____ Driven or Trailered _____

Sportsman Entry ('53 – '10 Corvettes) \$ _____

With Ribbon - \$10.00
 Without Ribbon - No Charge

I will...

Help Flight Judge check here _____ Judging Level _____
 Be an Observer Judge check here _____
 Select & Rank Preferences 1st to 4th for Year & Area - Below
 ___ '53 to '62 ___ '63 to '67 ___ '68 to '82 ___ '84 to '96
 ___ Interior ___ Exterior ___ Mechanical ___ Chassis
 Help Tabulate (check here _____)

Note: Judging assignments will be made based on postmark date, so send in your registration early to get your preferences!

Total Fees \$ _____
 Make Check Payable to **Arizona Chapter NCRS**
 No Refunds After February 28, 2010.

Send completed registration form with check to:
 Gary Bennett
 11821 S. Blackfoot Drive
 Phoenix, AZ 85044

Registration Information

Name _____
 NCRS Membership No. (From your Driver's label) **REQUIRED** _____
 Spouse/Guest _____
 Address _____
 City/State/Zip _____
 Contact Information (Phone Read) _____
 Contact Information (E-mail Read) _____

I am a current member of NCRS, and I agree to insure my vehicle against loss, damage, and liability and to provide proof of such insurance to NCRS. 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, and chapters for any acts of 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 chapter, wherever located.

The mission of the National Corvette Restorers Society:
The National Corvette Restorers Society is a hobby group of 15,000+ families dedicated to the restoration, preservation, history and enjoyment of Corvettes made from the model years 1953 through 1995

We're on the Web!

Visit us at:

www.ncrs.org/arizona

The Arizona Chapter of the NCRS is sponsored by:
Brown & Brown Chevrolet
125 E. Main St., Mesa, AZ 85201
Contact Rich Paladino (480) 827-3337



Arizona Chapter NCRS

Cathy Bergmann, Newsletter

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