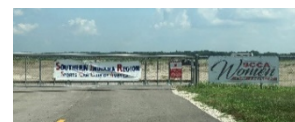# The Pit Stop

SCCA Southern Indiana Region Monthly Newsletter May 2020 Volume 67 Number 5 COVID-19 Edition

Editor's note: We had our May board meeting on Wednesday, May 6th and the decision was made to delay our events to the end of June. We will continue to monitor the status of each state and we will make changes accordingly. The schedule in this newsletter represents the changes agreed upon during the meeting. We will also put out a set of guidelines for our events. They will be available soon and distributed via email and posted on our website. Registration for our events will be online only at motorsportreg.com. We will not do any registration at any event. Set up an account at MSR and be ready to do it online. See page 6.

There have been times when I wondered if I really had any "news" to report in our Southern Indiana Region's Pit Stop. This spring has presented a greater challenge as our events are on hold due to the COVID-19 quarantine restrictions, and we have spent an incredible amount of time in isolation. I will not dwell on the virus. I believe most of us need a break from the widespread analysis and guesswork. I only ask that you keep an eye on our SIR website and Facebook page for renewed event schedule updates.

I have used the time off to design the first "points" autocross following a route that works with our current airport surface condition. I was so proud of it that I mapped out each of the 31 features I had included and calculated how fast I should be if I drove my car as well as Car and Driver thinks it should perform while accelerating, turning, and braking. I have been collecting lots of really neat numbers with my track addict app over the last couple of years, but I had not thought about how those numbers might compare to a run I should have made.

I really believe that understanding what you and your vehicle might do while navigating standard autocross features makes a complete course easier to understand and driving strategies more effective. Thinking about this as you walk the course features and transitions should help you to become more competitive. There is a wealth of information out there that can help you with this. I have referred to the SCCA Solo rule book (which is free on the SCCA website) and the Cornering Speeds chart in section 2.2. This little gem is worth more than a little study. If you do so, you might notice that there is little time advantage for a capable vehicle running 19 mph at 1.25 g's in a 90 degree turn having a (tight) 15 ft radius over a 1.0 g vehicle running the same turn at 17 mph. The 23 ft would be traveled in 0.825 seconds and 0.922 seconds respectively for a difference of only 0.097 seconds. Opening this 90-degree turn up to a 125 ft radius for the same two vehicles gives us a 1.25 g's run at 48 mph taking 2.784 seconds to travel the 196 feet and the 1.0 g vehicle running at 43 mph in 3.108 seconds for a more significant difference of 0.324 seconds.

What is the point? There are several. The greater cornering capability is a more significant advantage on a larger radius. "Carrying more speed" into that larger turn and exiting with more speed becomes more possible with that extra grip. The smaller radius turn makes everyone slow for the turn, the approach, and the exit speed. Braking and acceleration capability then become keys to success, especially if the entry and exit straights were lengthy. Am I advocating the elimination of small radius turns? No, I am not. I am suggesting that course designers should look at mixing small turns with large ones to test grip and driver skill and to also include feature to feature transitions (straights) that are long enough to test acceleration and braking planning. Most of all, I am suggesting that we all look at our course walks a little differently. If your vehicle has a turn g-force capability, acceleration, and braking capability that is significantly different than mine, we really should be walking the course planning to drive with different lines, brake points, and exit points.

I spent most of this article and the past week working on autocross ideas. I apologize to the rally folks. I did not mention anything about our rally program. I have a devious plan in this regard. Several of our recent rally masters have used the new GPS app for tracking rally participants. The system seems to offer a lot of advantages for both the rally master and participants. I am not up to speed yet on the GPS rally app. So (the devious part) I'm going to ask Paul or Carrie or Bob to offset this article's heavy autocross focus with a few paragraphs describing their new system experience from a rally master's or participant's perspective for the next Pit Stop.

We will have our May 2020 Southern Indiana Region's membership meeting on the 12th as scheduled. This meeting will be a Zoom, on-line meeting. I will open the meeting link at about 6:45 PM (Central). We will begin our meeting at 7:00 PM. This should be a closed meeting to SIR members and friends only. You should have received a Zoom meeting link from me on April 23rd. If you did not, please contact me at re@sirscca.org for the link and sign-in information.

We look forward to getting back to safely meeting in person. Smitty's Italian Steakhouse on Evansville's Franklin Street has been sponsoring a meeting place for us for years. We hope to get back into that routine. Please do not forget Smitty's during this lock-down period. They are advertising Italian carry-out dinners. Keep them in mind and support them please.

Dave Lehrschall
Regional Executive
Southern Indiana Region

2020 Board Members

Regional Executive	David Lehrschall	812-549-5498	re@sirscca.org
Assistant Regional Executive	Jonathan Crowe	812-629-8237	are@sirscca.org
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Women's Chair	MacKenzi Crowe	812-719-7864	women@sirscca.org
Advisor	Terry Davis	812-453-1376	advisor@sirscca.org
Newsletter Editor/Website	Paul Dornburg	270-314-9069	pitstop@sirscca.org

This schedule is very tentative. We will be following government directives and will alter the schedule as necessary. The schedule will also be available on our Facebook page.

SIR/SCCA 2020 Calendar				
No May events and no early June events				
June				
6.03	Wed	6:00 PM	Board Meeting - ZOOM	Online
6.09	Tue	6:30 PM	Membership Meeting - ZOOM	Online
6.27	**Sat**	**9:30 AM**	**Pt Autocross #1 - "Riley's Run" Dave Lehrschall**	**Mid-American Air Center, Lawrenceville**
6.28	**Sun**	**9:30 AM**	**Pt Autocross #2 - MacKenzi Crowe**	**Mid-American Air Center, Lawrenceville**
July				
7.04	Sat		Independence Day	
7.08	Wed	6:00 PM	Board Meeting (guests welcome)	Aldersgate UMC, southwest door, room 102
7.12	**Sun**	**9:30 AM**	**Pt Autocross #3 "Quick & Dirty Ver. 7.12" Ernie Roales**	**Mid-American Air Center, Lawrenceville**
7.14	Tue	6:30 PM	Membership Meeting (dinner at 6:30, meeting at 7:30)	Smitty's Italian Steakhouse
7.19	**Sun**	**12:30 PM**	**Pt Rally #2 "Social Distance" Rally - Bob Sonntag**	**TBD**
7.26	**Sun**	**12:30 PM**	**Pt Rally #3 "Ice Cream" Rally - Paul Dornburg**	**Dairy Queen, 3022 E 4th St, Owensboro, KY 42303**
August				
8.05	Wed	6:00 PM	Board Meeting (guests welcome)	Aldersgate UMC, southwest door, room 102
8.09	**Sun**	**12:30 PM**	**Pt Rally #4 "Tour de Crawford County" Rally Ernie Roales**	**Hardees, 502 E Main St., Robinson, IL**
8.11	Tue	6:30 PM	Membership Meeting (dinner at 6:30, meeting at 7:30)	Log Inn, 12491 County Rd 200 E, Haubstadt, IN 47639
8.23	**Sun**	**9:30 AM**	**Pt Autocross #4 - "Tri-Something" - Paul Dornburg**	**Mid-American Air Center, Lawrenceville**
8.30	Sun	**12:30 PM**	**Pt Rally #5**	**TBD**
September				
9.02	Wed	6:00 PM	September Board Meeting (guests welcome)	Aldersgate UMC, southwest door, room 102
9.07	Mon		Labor Day	
9.15	Tue	6:30 PM	Membership Meeting (dinner at 6:30, meeting at 7:30)	Smitty's Italian Steakhouse
9.20	**Sun**	**9:30 AM**	**Pt Autocross #5**	**Mid-American Air Center, Lawrenceville**
October				
10.04	**Sun**	**9:30 AM**	**Pt Autocross #6**	**Mid-American Air Center, Lawrenceville**
10.07	Wed	6:00 PM	Board Meeting (guests welcome)	Aldersgate UMC, southwest door, room 102
10.11	**Sun**	**9:30 AM**	**Pt Autocross #7**	**Mid-American Air Center, Lawrenceville**
10.13	Tue	6:30 PM	Membership Meeting (dinner at 6:30, meeting at 7:30)	Smitty's Italian Steakhouse
10.25	**Sun**	**12:30 PM**	**Pt Rally #6**	**TBD**
November				
11.04	Wed	6:00 PM	Board Meeting (guests welcome)	Aldersgate UMC, southwest door, room 102
11.08	**Sun**	**12:30 PM**	**Pt Rally #7**	**TBD**
11.10	Tue	6:30 PM	Membership Meeting (dinner at 6:30, meeting at 7:30)	Smitty's Italian Steakhouse
11.26	**Thu**		Thanksgiving	
11.28	**Sat**	End of Day	Awards Banquet Reservations Are Due!	Respond to treasurer@sirscca.org
11.29	**Sun**	**7:00 AM**	**Fun Autocross - Dornburg/Davis**	**Roberts Park location, EVV**
December				
12.04	**Fri**	**6:30 PM**	**Awards Banquet & Holiday Party**	**Rolling Hills County Club, Newburgh, IN**
12.08	Tue	TBD	Christmas Board Meeting (guests welcome)	TBD

SIR/SCCA Board of Directors meeting, April 1, 2020

I. Call to Order
    A. By RE Dave Lehrschall at 7:30
    B. All board members were present via Zoom
II. Officer Reports
    A. Secretary, Ernie Roales, we have minutes, but they were not read
    B. Treasurer, Bob Sonntag
        1. $8989.81 total on hand
        2. 2020 Region Charter has arrived from SCCA
    C. All others were no report
III. Old Business
    A. Track Rabbit – there was no interest in using it
    B. motorsportreg.com
        1. Many comments were in favor of using it
        2. Motion by Dave, second by Carrie to use, motion passed to use motorsportreg for online registration
    C. Westside Something Rally
        1. 4 entries, 1 in A class and 3 in B class
        2. Results were submitted to Pit Stop
    D. Email follow-up
        1. All April events are cancelled or postponed
        2. We will check on the Muscle Car Challenge in May

3. Reg cards/Waivers/Weekend Membership forms
                      a. Handled by 1 person at gate
                      b. Also handle clicker for gate
             4. Patch parties
                      a. Few signed up
                      b. Discussion of canceled vs postponed, settled on patch parties postponed
                      c. Quick patch to be done at off-times if possible, during the season
  IV. New Business
             A. Autocross - cannot change dates due to approval process by airport/state/FAA
             B. Rally procedure change for dealing with Covid-19 will be done by Carrie
                      1. Register via VEMO (sic) or motorsportreg
                      2. Receive route instructions via email
                      3. Run rally at leisure over set timespan (day/weekend)
                      4. Question of insurance waivers
             C. April membership meeting
                      1. Consensus to hold via ZOOM®
             D. Paul Dornburg
                      1. Presented spreadsheets on possible schedule changes
                      2. Share at least partially at member meeting
  V. Adjourned 8:39 pm

SIR/SCCA Member Meeting April 14, 2020
I.   Call to order by RE Dave Lehrschall at 7 pm
             A. 16 members present via ZOOM®

II. Officer reports
             A. Secretary-ERnie Roales
                      1. The minutes from the last membership meeting were read
             B. Treasurer-Bob Sonntag
                      1. Total available funds $8781.42
             C. Pit Stop-Paul Dornburg
                      1. Deadline for May newsletter submissions is April 29th
             D. All others, no report

III. Recent Events
             A. "Westside Something Rally" was reported on by Carrie Moore
                      1. A Class winners were Terry Davis & Bob Sonntag
                      2. B Class results
                              a. 3rd David Link & Nicole Buttrum
                              b. 2nd Jim Cannon & Larry Pearsall
                              c. 1st ERnie Roales & Sue Roales
                              d. A class bettered B class

             B. Calendar options by Paul Dornburg
                      1. Versions for each month before events can be held were presented
                      2. Version 1, no April events as shown in April Pit Stop
                      3. Version 2, is no May events
                      4. Version 3, is no June events
                      5. Version 4, is no July events
                      6. Version 5, is no August events

             C. Muscle Car Challenge by Paul Dornburg
                      1. It will be held on May 15th and 16th at the Terre Haute airport
                      2. We need 15 volunteers to help run the event Saturday
                      3. Set-Up Friday the15th at 2 PM Eastern
                      4. Event will start Saturday the 16th at 8 AM Eastern, be there earlier to finish setting up

             D. Online event registrations
                      1. The Track Rabbit proposal was considered and discarded
                      2. Motorsportreg.com approved was approved and will be used for event registrations
IV. Attendance Drawing
             A. By Paul Dornburg Pit Stop quiz
             B. Winner was Bob Sonntag who evidently had the newsletter close by
V. Adjourned at 7:47 PM   3

A. Next meeting May 12th via Zoom, social time at 6:45 PM, meeting at 7 PM, meeting information will be emailed
B. If you are not on the email list, contact Dave Lehrschall at re@sirscca.org

SIR/SCCA Board Supplemental Meeting via ZOOM®, April 21, 2020

1. Meeting called to order at 7 PM by RE Dave Lehrschall
2. May 2nd & 3rd Solo events, should we have them?
    A. All 3 (IL, IN, KY) states not starting Phase 1 re-opening by that time
    B. The status of airport is questionable
    C. Motion by Dave Lehrschall to postpone the events, it was seconded by Paul Dornburg
    D. Vote via roll call, motion passes to postpone the May events
3. III. May Rally
    A. Motion by Dave Lehrschall to postpone the rally, it was seconded by Bob Sonntag
    B. Vote via roll call, motion passes to postpone the May events
4. IV. New procedures
    A. Need to contact airport about using their restrooms
    B. Please review 4/17 email from SCCA National office regarding SOLO event guidelines
    C. Communicate your suggestions to RE Dave Lehrschall
5. V. Adjourned 7:34 pm

Rallying with GPS Checkpoints

As our lives and our club events are being disrupted by the COVID-19 pandemic, I want to point out that Time/Speed/Distance rallying is a sport with social distancing built in. Entrants are started apart, ideally maintain that separation, and penalized for getting too close to either the car ahead or behind. (We typically use 2 minutes and FYI 6 feet at 30 MPH is .00227 minutes.) In nearly forty years with SIR/SCCA I have heard more "I need to be closer to so-and-so" at autocross events than rally events. I was tipped off to Dave's devious plan. Wait no longer to fill a few minutes of isolation time reading this article on SIR's early experiences with automated checkpoints.

One of the newest things in the world of Time/Speed/Distance (TSD) rallying is the Richta GPS Check-point system. The Richta system consists of three components. Two are used by the rallymaster and third is used by the entrants. Paul Dornburg started us rolling with the system last year. I have used it for three rallies since then. Carrie Moore used it for our March rally.

For SIR/SCCA a major advantage of the system is that it provides a way for the club to run TSD rallies without having to find checkpoint workers. Too few of us participate in the rally program. The use of this system helps make the most of our limited worker resources. Ideally, those that would support our rally program by working a checkpoint will now be entering our events. A byproduct of the GPS checkpoint system is that it allows for more checkpoints and checkpoints to be placed where there is no room to position a checkpoint crew. More checkpoints make for shorter legs. Shorter legs can make for better checkpoint scores. Paul's app testing route had thirteen checkpoints. Carrie's *Westside Something* had ten. The February 29th *Strive to Be Average* rally had 48 scored legs in 59 of its 72 miles. (The other 13 miles were the odometer check's free zone.) Using the Richta system does not mean our rallies must have more than our normal three to five checkpoints. My first rally with the app, *Parks and Rec*, had only four checkpoints.

Rally teams must devote an Apple or Android device to running the Competitor app. After the Competitor app is running on the device and the car is registered for the rally, the device no longer needs Internet access. As each checkpoint is passed, the app sounds and displays the team's checkpoint score. Instant feedback and official scores while you are still on the route. That is pretty darn cool! If the device is connected to the Internet, the information is available in near real-time to the rallymaster.

Rally masters use the Rallymaster component of the system to define rally legs and checkpoint locations. This app also accumulates the checkpoint scores. It even has a map screen that shows checkpoint locations and real-time position of those cars with the Competitor app connected to the Internet.

The third app, Scoreboard, gives the state of the rally by displaying the number of completed legs and checkpoint scores for each rally team as teams run the route.

When all rally cars and the rallymaster are connected to the Internet during an event, the system works as described above and those with access to the rally in Rallymaster or the Scoreboard apps can watch the rally as it progresses. When the Competitor app is not connected to the Internet, the information is stored on the entrant's device and uploaded when the device is next connected to the Internet.

We have frequently been forced to run rallies with single-worker checkpoints using only the rally-master's normal rally team for workers. The Richta GPS Checkpoint system allows our rally masters to add a little more fun through thinking differently about checkpoints. Hopefully, we will also add a few more entrants to our rallies too. All that while saving rally masters the troubles of finding checkpoint workers and fretting over being able to beat rally cars to checkpoints. That's pretty darn cool too!

Bob Sonntag   4

Event registration going forward

As mentioned on page 1 all registration for all events will be done on www.motorsportreg.com

One will need to set up an account on MSR with your SCCA information as well as some other data. Registration closing date will be in the description of each event on MSR. One will enter payment information but will not be charged until after the event. That way if you are unable to get to the event, we will not have to process a refund.

At autocrosses we have loaned helmets, but we only have 6 helmets. Helmets will be loaned on a first come first serve basis. We strongly suggest you purchase your own helmet to avoid contamination issues or that you find out too late that the helmets have been spoken for. The guidelines for helmet certification can be found here on the SCCA website: https://www.scca.com/downloads/48190-2020-solo-helmet-certification-labels-2019-11-08/download It will download the helmet certification chart.

If you do borrow a helmet for an event you will not share it with anyone else and you will disinfect it after returning it. We will have disinfectant on site. You should know your helmet size and that can be found by googling "helmet sizing chart" and reading the chart.

We strongly suggest that SCCA members fill out an annual waiver form. Download this form IN COLOR and bring it to the event. https://www.scca.com/downloads/14418-scca-adult-annual-waiver-1306-01-16/download We will take the form and submit it to the SCCA and they will issue a hard card for the year. You must have a headshot in your SCCA profile for the hard card to be issued so make sure you have created your account and have uploaded a picture to your profile.

Also note that time schedules may change for events. In some cases, entry to the autocross site will only be for a limited period. Rallys may be scheduled for a day without a time frame so one can do the rally at their leisure.

Read all the information on this page. https://www.scca.com/pages/autocross like "What is an autocross" and "How do I autocross".

The club hopes you will bear with us in this time of uncertainty. We will do all we can to make it a safe so you can have fun with cars.

		Berry Pts	Meetings	Fun	Rally Pts
1	Bob Sonntag	16	4	7	5
2	Terry Davis	13	1	7	5
3	ERnie Roales	13	4	4	5
4	Carrie Moore	10	3	2	5
5	Paul Dornburg	8	3	5	0
6	Susan Roales	7	0	2	5
7	Jr. Crowe	6	4	2	0
8	Barry Beaman	5	3	2	0
9	Carolyn Dornburg	5	3	2	0
10	Jeff Jackson	5	3	2	0
11	Nicole Buttrum	4	0	2	2
12	Don Kelley	4	2	2	0
13	David Link	4	0	2	2
14	Larry Pearsall	4	2	0	2
15	Steven Backer	3	1	2	0
16	Don Beaman	3	1	2	0
17	Jacob Campbell	3	1	2	0
18	Scott Campbell	3	1	2	0
19	Jim Cannon	3	1	0	2
20	Dean Fehribach	3	3	0	0
21	Dave Lehrschall	3	1	2	0
22	Bob Rothermel II	3	3	0	0
23	Jon Schwartze	3	1	2	0
24	James Shade	3	1	2	0
25	Danny Woodard	3	1	2	0
26	MacKenzi Crowe	2	2	0	0
27	Kenneth Dilger	2	0	2	0
28	Courtney Fehribach	2	2	0	0
29	Drew Gerth	2	0	2	0
30	Darwin Graham	2	0	2	0
31	Richard Grav	2	0	2	0
32	Shawn Lansdale	2	0	2	0
33	Peter Lodico	2	0	2	0
34	Russell Luckett	2	0	2	0
35	Mike Mounlio	2	0	2	0
36	Stuart Nathan	2	0	2	0
37	Kristin Parker	2	0	2	0
38	Chase Reising	2	0	2	0
39	Jeff Reising	2	0	2	0
40	Jamsheed Reshad	2	0	2	0
41	Alekza Roth	2	0	2	0
42	Dawn Sturgeon	2	0	2	0
43	John Whitaker	2	0	2	0
44	Derek Wissel	2	0	2	0
45	April Arnold	1	1	0	0
46	Dawn Boerner	1	1	0	0
47	Marc Boerner	1	1	0	0
48	Mike Buente	1	1	0	0
49	Darlene Cannon	1	1	0	0
50	Gabe Fehribach	1	1	0	0
51	Ron Jochum	1	1	0	0
52	John McCarthy	1	1	0	0
53	Reggie Sandy	1	1	0	0
54	Wanda Schwartze	1	1	0	0

SCCA Anniversaries

James Cannon	05/13/1992
Gene Young	05/06/1997
Steven Backer	05/06/2002
Yancy Smith	05/29/2008
Lora Blaylock	05/17/2010
Paul Blaylock	05/17/2010
Sean Lips	05/08/2012
Tatsuo Noda	05/12/2014
Chris Hancock	05/19/2018
Diane Hancock	05/19/2018
Courtney Fehribach	05/09/2019
Dean Fehribach	05/09/2019
Gabriel Fehribach	05/09/2019
Noah Fehribach	05/09/2019
Peter Lodico	05/13/2019
Chris Backer	05/14/2019
Marci Backer	05/14/2019
Tristan Backer	05/14/2019
Anthony Garrett	05/30/2019
Timothy Garrett	05/30/2019
Amanda McCarthy	05/30/2019
Evan Russell	05/30/2019
Christopher White	05/30/2019

SCCA Birthdays

Tom Bootz	05/01
Robert Rothermel	05/04
Michelle Deutsch	05/06
Josh Johnson	05/14
Breeze Grav	05/15
Susan Roales	05/23
Steven Backer	05/29

SPORTS CAR CLUB OF AMERICA

SCCA: A club with many interests

Many faceted in its endeavors, the Sports Car Club of America (SCCA) might best be described as a service organization. It serves over 50,000 members throughout the United States by sanctioning and administering a variety of automotive related activities through more than 115 independently chartered regions. No other single motor sports organization in the world conducts more events than the SCCA. These events range from amateur and professional road racing to road rallies, autocrosses, rally crosses, hill climbs and auto shows. The SCCA is an ever-growing organization for the automotive enthusiast. Because the SCCA is member oriented, the club stresses participation on a broad basis. Regardless of your experience or background, if you are an automotive enthusiast there is a place for you in the SCCA. The avenues available range from amateur or professional road race driver to weekend rally or autocross driver to race worker or official. In order to successfully sanction and conduct a comprehensive autocross/rally/road racing program many experts in timing and scoring, communications, safety inspection, medical, flagging, course/race control and other skills are needed. Schools are held to train the drivers and workers and various degrees of licenses are awarded based on knowledge, ability and experience.

Pit Stop is the official publication of the Southern Indiana Region of the Sports Car Club of America, Inc. and is published monthly at PO Box 1112, Evansville, IN 47706. Opinions expressed herein are those of the authors or editor and are not necessarily those of the Southern Indiana Region, its officials, members or advertisers. Permission to reprint material from *Pit Stop* is granted to all SCCA regional publications and its national publication, *Sports Car*, with regards for full credit to the author and *Pit Stop*.

Two final things.
1. If you want to stop getting this newsletter by snail mail, please tell me and I'll make sure you get it by email, or you can download off the sirscca.org website.
2. If you want to get something in this newsletter you must tell me, pointedly, like, "I'd like you to put this in the newsletter." Or "I have something of interest for the newsletter." I'm all ears.

Upcoming Events – All Times Central

Wednesday, June 3rd, ZOOM Board meeting
Tuesday, June 9th, ZOOM Club Membership Meeting. Details will be sent via email.