

# C Modified Quarterly **cm-q**

V3-I1 / 2001

## **Sorry for the delay...**

Despite my best intentions, I was unable to make good on my earlier promise to rectify the slip that has crept into the production of **cm-q**. Although I started laying out V3-I1 back in February, I was forced to postpone its completion until just recently due to work responsibilities.

Outside of spending a small amount of time with my family, I basically did nothing other than work for the past three months. I worked nearly every night and weekend on a plant expansion project our company recently commissioned in Sweden. This included spending ten days in Sweden working 12-hour midnight shifts assisting the plant during startup. As a result of this unforeseen increase in workload, activities outside of work suffered dramatically.

In addition to letting **cm-q** slip, I found myself readjusting my plans to complete the SE3 frame up. When I started the SE3 rebuild in November of 2000, I estimated the car would be 90% complete by the end of April 2001. Based on my past experience, this timing was still realistic as of mid-February. By middle of March, it became apparent that the SE3 would not be ready for the May 5-6 season opening CenDiv event. My new target date was to be the second CenDiv event to be held on June 2-3. At the completion of my project work in late April, with the SE3 still in hundreds of pieces, I was again forced to adjust my timing. At that point, I stated that it would be July before I made an event. I'm still sticking to that date, but will admit that unless things start picking up, it might not happen.

## **Frame Up from Hell!**

In addition to not having adequate time to commit to the SE3 frame up, I have experienced a fair number of setbacks during the Swift rebuild. These range from the month long loss of my gearbox on its way down to TRE to incorrect sizing of the flooring by the aluminum supplier. At each step of this project, I have run into delays, shipping errors, backorders, etc. by every supplier. At the moment, the bare powder-coated SE3 frame is sitting in garage awaiting attention, but I still need to order / fabricate / clean / paint a variety of items before I can make a significant dent in this project.

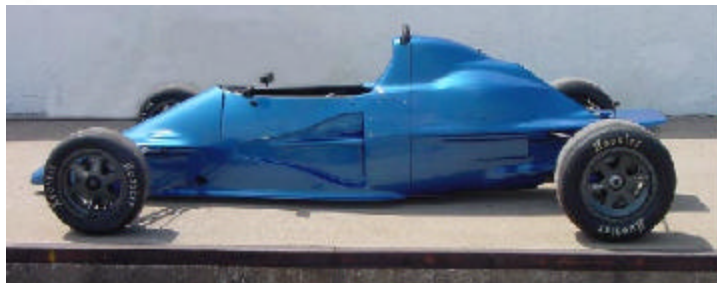
## **The future of cm-q?**

With an unfinished racecar sitting in my garage and the prospect of high number of work hours forthcoming, it is time for me to relinquish my duties as editor of **cm-q**. Although I believe that I will finish the SE3 in time to run a few events this season, I'm not sure that I will have much time for any other activities. I'm scheduled to work on expansion projects due to start in late summer / early fall for plants located in Italy and Brazil. I negotiated my way out of the late August / early September plant startup in Italy so I can attend Nationals, but I am a member of the team that is heading to the Brazil start up in early October.

Based on my experience to date, I know there is no way I can squeeze out another three issues of the newsletter by the end of the year. As such, this is the last issue of **cm-q** I will publish. With the amount of positive feedback the newsletter has received, I know there is a need to continue this publication. Please contact me if you are interested in carrying on with **cm-q**. I will happily provide any and all materials / funds that I have accumulated over the past two and half years.

I have to say that it has been fun putting the newsletter together, and I look forward to returning to CM at some point in the future!

-pru-  
50 BM  
1988 Swift SE3



**The next -pru- CM car? How about a Swift DB-6 FF?**

Photo courtesy of

<http://stephen.mywebsonline.com/carforsale2.htm>

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### Treasury

2000 cm-q Expense / Income*	
Publication Expenses	\$387
Ads / Donation Income	\$485
Surplus (Deficit)	\$98

\*Through V2-I4

### Disclaimers

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## Books



a copy of the 2001 edition!

Paragraph B of Section 4.1 "Driver Credentials" of the National Solo Rules states that "Drivers must possess a current copy of the Solo I & II Rules at the time of registration at Divisional and National Solo event. If your regional merchandise chair does not have a copy, you can purchase directly from the SCCA. Check out [www.scca.org](http://www.scca.org) or call 303-694 7222 and request item #5665 Solo I & II / ProSolo Rules + CD-ROM for \$15.00 As you can see, I need to get

## Letters

### Geez?

I'm finally getting caught up on sending my contribution to CM-Q. I really enjoy each issue and look forward to them. The new electronic format it great.

There were some interesting e-mails from Mike Bultemeier about MAKING some new brake rotors. Mike is an excellent machinist and is always looking for an edge with this March S2000. If he takes some photos along the way it might be interesting to the reader's to see how that project progresses. I happen to believe that for most of us the biggest potential performance gains will come from putting the butt in the cockpit rather than under the car to add a new gizmo. Still, the car must be competent so the technical articles are great. I wonder if anyone out there would like to comment or write an article about the Geez approach to improving driver performance. I started to use it a year ago but found myself getting totally absorbed in making the Geez components work and basically getting distracted from trying to get my eyes and mind further ahead of the car. I decided I wasn't good enough yet to benefit from the fine tuning that the Geez might be able to offer.

Thanks again for all the work you do on cm-q. Hope the enclosed cash will help cover your expenses.

Al Cram  
Old Duffer Racing  
CM 38

PS. Is it time to reprint the number for the C mod cars?

Al,

*Thanks for your donation to cm-q!*

*I appreciate your input regarding technical articles. I agree that a column on Geez would prove very interesting!*

*Here's a photo of Mike's rotors from his web site*  
[www.boltmake.com](http://www.boltmake.com)

*The latest CM Number listing can be found on page 4.*

*Again, thank for you support.*

-pru-

*Letters continues on page 9...*



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# CM Numbers

Here's the latest national CM Numbers listing. As is usually the case in the off season, cars are being sold, switched, updated, painted, etc. Please review all of the information and forward any updates for the 2001 season. As some on this listing are not **cm-q** subscribers, I ask that you update the information for those lost soles that you know.

#	Driver	Co-Driver	Year	Make	Model	T	Color	Tires
2	Brian Gay	Greg Wegst		Shrike		S2		
7	Dr. Charles Garrettson	Gia Hvichia	83	Van Diemen	RF83	FF		
9	Stan Vann		70	Caldwell	D-9	FF	White	Hoosier
17	Mark Chessick		84	Reynard	FF84	FF	Purple	Hoosier
18	Paul Schelling	Kate Hughes	77	Zink	Z10-C	FF	Green	Hoosier
21	Robert Lloyd		79	Dulon	Mk21	FF		
24	Keith Norris		83	Royale		FF	Maroon	Hoosier
27	Bruce Pullig		80	Lola	T-590	S2	Red/White/Blue	Goodyear
27	Greg Vincent	Paul Zahornasky	84	Van Diemen	RF84	FF	White	Hoosier
28	Craig Henry		82	Tiga	SC85	S2	TBD	Hoosier
28	Tim Koch		81	Crossle	50F	FF	Red/Gold	
31	Steve Geiger	Brent Cary	82	Van Diemen	RF82	FF	Yellow/Black	Hoosier
33	Brenda Cunningham		79	Tiga		FF	Red/Purple	Goodyear
38	David Stamman	Weldon Knappe		Lola	T-590	S2		
38	Al Cram		87	Tiga		S2	Blue/Yellow	Hoosier
44	Kent Sawyer		88	Reynard	FF88	FF	Yellow/Blue	
49	Gerry Ford		72	Crossle	20F	FF	Red/White	Hoosier
50	Chuck Sample		85	Reynard	85F	FF	Purple	Goodyear
52	Ross & Paula Fortini		88	Van Diemen	RF88	FF	White/Yellow	Hoosier
55	Don Elzinga		84	Reynard	FF84	FF	Black	Goodyear
57	Gary Godula / Tamara McDaniel		88	Reynard	FF88	FF	White / Blue	Goodyear
65	Peter Calhoun		83	Reynard	FF83	FF	Yellow	Goodyear
71	Terry Nicoll		84	Van Diemen	RF84	FF	Red/White/Black	Hoosier
72	Geoff Hale		86	Van Diemen	RF-86	FF		
73	Rick Swarts		78	Tiga		FF	Blue	Goodyear
74	Jim Young		79	Lola	T-580	FF	Red	Hoosier
78	Patrick Bullis		79	Lola	T-540	FF	Yellow/Blue	Hoosier
81	Bob Miller	Mark Sirota	88	Van Diemen	RF88	FF	Blue	Hoosier
85	Dick Rasmussen		85	Van Diemen	RF85	FF	Yellow	Hoosier
87	Mark Outrich		88	Legrand	Mk 27	FF	Silver	Hoosier
88	J. Kurt Eikenberg		84	Reynard	FF84	FF	Red	Hoosier
89	Bill Engle, Jr.		85	Van Diemen	RF85	FF	Black	Hoosier
90	Eric Jones		88	Van Diemen	RF88	FF	Red	Hoosier
92	Charlie Mathews		83	Lola	T-642	FF	Red	Hoosier
93	Mike McMullen	Jim Garry	85	Citation		FF	Yellow	Hoosier
94	Phil Berry		84	Van Diemen	RF84	FF	Red	Hoosier
95	Bill & Linda Smiley		82	Tiga		FF	Red	Hoosier
96	Dan Baker	Bruce Dickey	89	Crossle	70F	FF	Teal	Goodyear
97	Peter Steinberg		78	Lola	T-440	FF	Teal	Hoosier
97	Craig Carr	John Neighbors	00	Van Diemen	RF00K	FF	White	Hoosier
98	Troy Martin		83	Zink	Z-10	FF	Red/White	Hoosier
99	Mike Bultemeier		86	March-Apache		S2	White	
99	Stuart Lumpkin	Tommy Saunders	85	Swift	DB-1	FF	Yellow	Hoosier

## Technical Contributors

Without the following contributors, the **cm-q** Technical columns would not be possible. Please make the effort to contact these businesses the next time you are in the market for a given product or service.

-pru-

### Engine Development



### Tires, Wheels, & Racing Parts



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### Driveline Specialist



For a free catalog, contact Taylor Race Engineering at 972 422 0567 or toll free at 800 922 4327. Check out our online catalog at [www.taylor-race.com](http://www.taylor-race.com). We can also be reached via e-mail at [tayrace1@airmail.net](mailto:tayrace1@airmail.net).

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## Products

### Rubbermaid ActionPacker Storage Container

The two ActionPacker Containers I purchased almost ten years ago have remained my primary method of storing and hauling the wide variety of items needed to support my racing efforts.

Measuring 26" x 18" x 17", these durable containers have turned out to be nearly the perfect size; large enough to contain all my tools / fluids yet small enough to be hauled easily by one person.

<http://www.rubbermaid.com>  
1172-04-38 ActionPacker® Storage Container  
Approximately \$30.00



### Igloo Wheelie Cool

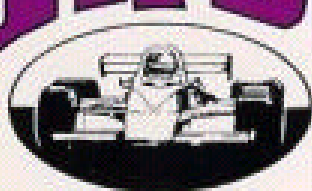
Late last year, I received one of these rolling coolers as a gift, and I have to say that I'm looking forward to breaking it in this season! After years of lugging around a non-wheeled, full sized cooler, I know this gift will greatly improve my quality of life!

[www.igloocoolers.com](http://www.igloocoolers.com)  
Igloo Wheelie Cool  
Approximately \$25.00





# MID-ATLANTIC MOTORSPORT



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## 2001 MID-ATLANTIC MOTORSPORT EVENT SUPPORT

Date	Location	Event
February 23-25	Meridian, MS	National Tour
April 13-15	Peru, IN	Test & Tune
May 4-6	Petersburg, VA	Pro Solo
May 16-18	Pontiac, MI	Formula SAE
May 25-26	Peru, IN	Test & Tune
June 2-3	Peru, IN	CENDIV #2
June 8-10	Oscoda, MI	Pro Solo
June 15-17	Ayer, MA	National Tour
June 29-30	Peru, IN	National Tour
July 8	Flint, MI	CENDIV #4
July 21-22	Milwaukee, WI	CENDIV #5
TBA	Rome, NY	NEDIV CHAMPIONSHIP
August 11-12	Peru, In	CENDIV CHAMPIONSHIP
August 17-19	Peru, In	Pro Solo
August 25-26	Oscoda, MI	CENDIV # 6
September 2	Perrysburg, OH	CENDIV # 7
September 7-9	Topeka, KS	Pro Solo Final
September 11-14	Topeka, KS	SOLO II NATIONALS

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## Driver / Car

For this issue of **cm-q** I hooked up with the recently relocated couple of Gary Godula and Tamara McDaniel. Over the course of the 2000 season, Gary and Tamara moved from the Detroit area to the St. Louis area. Considering the amount of upheaval normally associated with such a move, the competition success they enjoyed last year is truly impressive. Besides their substantial Pro and National level success, Gary and Tamara won the CM and CML classes of the CENDIV Solo II Championship Series!

-pru-

**cm-q:** What are your full names?

**GG:** Gary Michael Godula.

**TM:** Tamara Leann McDaniel.

**cm-q:** Do you have any nicknames?

**TM:** None that have been said to my face!

**cm-q:** What are your ages?

**GG:** 37.

**TM:** I celebrated my 8th 29th birthday this year!

**cm-q:** Where do you live?

**GG:** Lake St. Louis. It's about 30 miles west of St. Louis.

**cm-q:** What are your occupations?

**GG:** Powertrain Resident Engineer for Ford Motor Co.

**TM:** Human Resources Manager for Ford.

**cm-q:** To what SCCA Region do you belong?

**TM:** We are dual members of St. Louis and Detroit.

**cm-q:** How long have you been SCCA members?

**GG:** I joined in 1989.

**TM:** Since 1994.

**cm-q:** How long have you autocrossed?

**GG:** I started when I joined back in 1989.

**TM:** My first event was in 1993.

**cm-q:** What have been some of your autocross cars?

**GG:** I started with a '88 Mustang 5.0L, but I've driven a number of different cars before ending up in CM with the Dulon. Mustangs, Probes, Escorts, and Firebirds.

**TM:** I started in a Probe before moving to CM with the Dulon.

**cm-q:** Have you ever Solo1 or Club Raced?

**TM:** Not in the CM car. Last year, I raced in ITS driving a Mazda RX-7 and this year I am running a Swift S2000.

**cm-q:** What were your best Club Racing results?

**TM:** I was 4<sup>th</sup> overall finishing without front brakes.

**cm-q:** How many Solo2 Nationals have you attended?

**GG:** 9.

**TM:** 5.

**cm-q:** What your best finish at the Solo2 Nationals?

**GG:** In both '93 and '94, I placed 2nd in GS running a Probe. My best CM finish was 3rd in 2000. I won the Pro Solo CM class in 2000 and placed 2nd in Pro Solo Open Challenge points.

**TM:** I won CML in 2000 and finished 2nd in '98 and '99.

**cm-q:** How many years have you run in CM?

**GG/TM:** Since 1995.

**cm-q:** Why did you pick CM?

**GG:** I love open wheel cars, and the Dulon became available at the right time.

**cm-q:** What CM number do you run?

**GG:** 57.

**cm-q:** Why did you pick that number?

**GG:** I've always run 57 since my MotoX days. It's a reference to my hometown of Pittsburgh. Heinz 57!

**cm-q:** What make and model is current CM car?

**GG:** It started life as an 87 Reynard FC. In 1994, it was converted / updated to an 88 FF.

**cm-q:** What are the serial / logbook numbers for the Reynard?

**GG:** Serial number is 87-006. Logbook is 25-915.

**cm-q:** How long have you owned the Reynard?

**TM:** Two seasons.

**cm-q:** Does the Reynard have any significant previous owners / results?

**GG:** Sam Ryan owned the car for 10 years. He performed the FC to FF conversion to run the car in the Canadian Esso Pro 1600 series where he collected a number of top 5 finishes. The April 99 issue of Sportscar, featured a photo of the car taken at a hillclimb showing it 8" in the air after cresting a hill!



**Gary in the Reynard at Converse, Indiana**

Photo by Michael Clevenger [www.RacerPix.com](http://www.RacerPix.com)

## Driver / Car Continued

**cm-q:** Who prepares the car?

**GG:** I do most of the work on the car. Keith Averill has helped for the last six years with alignments and parts.

**cm-q:** What tires do you run?

**GG:** Goodyear R120.

**cm-q:** What type of rain tires do you run?

**GG:** Goodyear R80 molded rains.

**cm-q:** What type of wheels do you run?

**GG:** Panasport Ultralights. We have a spare set of Compomotives.

**cm-q:** Who built the Reynard engine?

**GG:** Quicksilver built the engine in 1995. Tom Andresen freshened the cylinder head last season.

**cm-q:** Who maintains the gearbox?

**GG:** Except for an Averill dog alignment, we haven't done a thing to it other than change gears and oil.

**cm-q:** What gears / ring and pinion do you run?

**GG:** 12:38 1st, 14:36 2nd, 16:34 3rd, and 18:32 4th on a 10:31. This equates to an 80 m.p.h. top speed.

**cm-q:** What shocks do you run?

**GG:** Modified Fox double adjustable.

**cm-q:** What brake pads do you run?

**GG:** Previously Hawk Black's, but we are testing the Hawk HPS pad at the suggestion of Dick Rassmussen.

**cm-q:** What battery do you run?

**GG:** Yuasa.

**cm-q:** Do you use an external "jump" battery?

**GG:** After being caught out running a Pro Solo with 4 drivers, we always use one.

**cm-q:** What clutch do you run?

**GG:** Tilton F3.

**cm-q:** What type of oil do you run?

**GG:** Redline 40w in the engine. Redline lightweight "Shock Proof" in the gearbox.

**cm-q:** What type of coolant do you run?

**GG:** Distilled water with Redline Water-Wetter.

**cm-q:** What type of fuel do you run?

**GG:** 100 octane Av-gas.

**cm-q:** Does the Reynard have any special modifications?

**GG:** The car does feature a wider roll bar and associated bodywork to accommodate Sam Ryan's build.

**cm-q:** Do you ever have a co-drivers?

**GG:** Bryan Cohn may run a few events with us this year.

**TM:** The car is always open to anyone experiencing a mechanical problem or needing a ride.

**cm-q:** What are the names of your sponsors?

**GG:** Jack Demmer Ford / Mid-Atlantic Motorsports.

**cm-q:** What's the "ideal" CM car?

**TM:** I'm pretty happy with the one we have!

**GG:** I don't think there is such a car; all have the capability of winning.

**cm-q:** What's the "coolest" CM car?

**TM:** DB-1.

**GG:** I like them all!

**cm-q:** What did you like the most about CM?

**GG:** The people. It's cool the way everyone comes to each other's aid when someone breaks.

**TM:** The competition. These women are tough to beat! And the friendship of Bill and Linda Smiley, of course.

**cm-q:** What did you like the least about CM?

**TM:** Getting strapped in!

**GG:** There are not enough competitors running Pro's.

**cm-q:** What would you do to improve CM?

**GG:** I agree with Mark Sirota's suggestion to move SRF to FM. Otherwise, leave it alone.

**cm-q:** One final question; what is the story behind the "?" you always run on the nose of your cars?

**GG:** The "?" first appeared on my Mustang in '92. It's a play on the Bud commercial of the day "Why ask why".



**Tamara at the Central Division Championships in Peru,  
Indiana**

Photo by Michael Clevenger [www.RacerPix.com](http://www.RacerPix.com)



## Letters Continued

### F125 Plug

From a longtime CM wannabe, I just have to say that I thoroughly enjoyed reading CM-Q! Thanks also for the F125 class plug, and I'd like to mention that we have the starts of a website at <http://www.f125.com/>.

Darren Madams

*Darren,*

*Thanks for the feedback. I forwarded your reply to Jeff Watson as he would find interest in a F125 web site.*

*-pru-*

### FF & S2 Information

I just finished reading your latest cm-q, and wanted to let you know I enjoyed it. I found it based on a link posted to the Formula Ford Underground site. Just in case your readers don't know, they might want to check out these two sites devoted exclusively to FF & S2. There's a lot of good technical information.

<http://pub3.ezboard.com/bformulafordunderground>  
<http://pub6.ezboard.com/bs2racing>

David Ferguson  
Admin - S2 Racing (and former Solo II FP competitor)

*David,*

*Thanks for the feedback! I will make sure I include the links in the next issue of cm-q.*

*-pru-*

## Wanted

### Springs

I want to do some experimenting with spring rates on my new CM car, and would rather not pay \$75 a pop for Hypercoils while I am still in the experimenting phase. Anyone know a good source for "budget" springs? I am looking for 7" free length 2.25" ID in the 600in/lb plus range.

Doug Narby  
[narby@centurytel.net](mailto:narby@centurytel.net)

PS: "Budget" = around \$40 each or less would be nice.



## For Sale

### 81 Crossle 50F



Photo courtesy of [www.boltmaker.com](http://www.boltmaker.com)

Solo II National trophy car in C Modified in '98 & '00, Solotime Mid Div C Mod Championship car in '00. Great condition with many new items including Shock Tec built Bilsteins, rod ends, and suspension bars. Williams head and carb work, motor built by Jim Christian Racing. Autocrossed only since frame up rebuild. Comes with 8 Panasport wheels. (4 rains, & 4 Hoosier R25's). \$7900.

Tim Koch  
913-599-4280 Home  
816-305-5829 Mobile  
[tkoch28@aol.com](mailto:tkoch28@aol.com)

### 1982 Tiga FFA

Ready to go. Fresh engine, Craig Taylor trans, setup for autocross. Tires, wheels, rains, Koni's Won a whole lot of Cen Div trophy's.

Bill Smiley  
937-435-0147  
937-689-0096 Cell  
[SmileyRacing@msn.com](mailto:SmileyRacing@msn.com)

### 1985 Van Diemen 1600 FF



Photo by Michael Clevenger [www.RacerPix.com](http://www.RacerPix.com)

2 year old Koni double adj with solo II valving, great engine (bottom end done in 1999, NEW cyl head in 2000 with about 4 hours time on it, New Ivey carb & distributor in 1999), includes mounted rain tires and one set of mounted sticker Goodyear 120's. Hate to sell it, needs nothing. Selling due to full-time ride in BM. \$10,500.

Bill Engle Jr.  
502-459-5255 days EDT  
[vdieman@aol.com](mailto:vdieman@aol.com)