

Submitted by Wayne Hartwig

The year 2024 and the holidays are over, and the new year 2025 has arrived. There have been no car show events in almost a month and there really isn't much going on in January, However, the monthly Poway In & Out Burger Cruise always goes on, rain or shine. We had not decided to go until the night before and we were happy to see the predicted weather for the first show of the year on January 4th was looking really nice.



The day turned out to be an absolutely beautiful perfect weather day for enjoying a car show and the turnout at In & Out was really good with more than 140 cars showing up. We arrived around 10:30 in our '55 convertible and were surprised to see Bob Brown with his '59 Corvette, Sam Milazzo with his '65 Chevelle, and Jerry &

Cappy Taylor with their '56 Belair already there. A bit later Tom & Nancy Geiman arrived in their '55 Belair wagon.

We did the usual sign-in to get our window placard for the car, bought some raffle tickets, and headed to In & Out for our

usual double-double combos. After eating we cruised the lot to see the cars and there were a few

newcomers we had not seen before. There were quite a few raffle prizes including gift cards for In & Out, Chick Filet and couple other proud sponsors of the show. Cappy won a couple gift cards, and I won a pair of work gloves. Not sure if anyone else won a raffle prize. Three awards were handed out and one went to Jerry & Cappy Taylor for their '56 Belair. Congratulations!

Before we knew it, the party was over, and everyone was leaving. It was an awesome day

with some awesome friends and a great way to start the new year. We headed home to watch the last regular season NFL football games.





Everyone knows that Bob can not pass up a swapmeet and he likes to be there really early so he has first pick. With many other swapmeets and antique malls closing it's becoming slim pickings for us so I got up on a very cold Monday at 5am to head down the hill to Pechanga Area. With it being a 3 day weekend when everyone heads out of town to the dunes and other sightseeing locations I really wasn't surprised to see about half the sellers, fewer buyers, only a couple of or friends and not very many show cars on display. Even so we still had a good time and a few items did follow us home. The next one is scheduled for Memorial Day, May 26th and of course we will be there, bright and early.





Tech Time - Holley Sniper EFI Installation Submitted by Wayne Hartwig

I've been thinking for quite a while about putting Electronic Fuel Injection (EFI) on Linda's '69 Chevrolet C20 pickup. I knew I would probably have to change the Intake manifold on the 396 cubic inch engine to accommodate a square bore Holley Sniper Throttle Body unit. But recently, I discovered Holley now offers a spread bore EFI unit that is a bolt-on replacement for a quadrajet carburetor. After a little research and knowing additional items like an electric fuel pump, in-line fuel filters, pressure regulator and new fuel lines would be required to complete the task, I decided to go forward with the project. I ordered a 550-869 Holley Sniper Unit, 60 PSI Holley external fuel pump, two 100 micron Holley fuel filters, a Holley pressure regulator and a Holley fuel pressure gauge from Summit Racing. I acquired new 3/8" hard fuel lines and all of the required fittings from Hose and Rubber Products (HRP) in El Cajon to complete the task.

The Sniper EFI unit came with a 16 page Quickstart Manual and referred me to an on-line website for the full-on 76 page installation manual. I found it to be extremely helpful to read the Quickstart manual completely through a couple times before getting started.

The first step was to identify a 12 volt power source to provide power to the unit when the ignition switch was in the "on" and "start" position, then disconnect the battery until the installation was complete. There was a suitable location on the fuse block for this purpose. The next step was to disconnect the fuel line, linkages and vacuum hoses from the carburetor and replace the carburetor with the new Sniper EFI unit. I was able to reconnect all of the linkages and vacuum hoses to the Sniper with very little modification, making this part of the installation quite easy. Then it was time to remove the mechanical fuel pump and related fuel lines and to install a block off plate over the fuel pump mounting. So far, so good!

Then it was decision time. How was I going to install the fuel pump and a return line into the gas tank? There is no aftermarket tank or fuel pump assembly that works with the stock gas tank, so I knew I would need to use an external pump. I needed a way to install a return fuel line and after looking at the gas gauge fuel sender, the answer was obvious. There was a detent in the sending unit where I could drill a hole and feed a return line into the tank next to the pickup line. I removed the sender unit, drilled a 3/8" hole and shaped a line to fit. It took three tries to get it where the unit would go back into the tank without interference, but it worked perfectly.

Then it was time to fabricate new hard lines from the gas tank to the engine. The pickup and return lines from the tank go straight down through the floor and then turned right towards the frame where there was a perfect location to mount the pump and the two filters, one before the pump and one after the pump. From there I made the new lines to follow the frame forward to the engine area near where the mechanical pump was previously located.







Sending Unit Modifications



Sen Fuel Filters and Fuel Pump Installed

Fabricating new lines from the Sniper down to the location on the frame was a bit trickier. The supply line was pretty easy, as I replicated the path of the original line from the carburetor. I also routed the return line next to it, but had to make sure the pressure regulator could be installed with the pressure gauge easily visible. Once that task was completed, all that was needed was two short flexible hoses to connect the lines from the frame to the lines from the engine. It took some time to fabricate the fuel lines, but I was happy with how they came out.

The system requires a temperature sensor that needed to be installed in the intake manifold and there was a plug in the front of the manifold that would be perfect for this. I drained some coolant from the radiator to prevent coolant from spilling out after the plug was removed. That is when things got a bit weird. The plug had a square hole for inserting a 3/8 "ratchet or breaker bar for removal of the plug. When I tried to remove the plug, it wouldn't move. So, I tried a bigger breaker bar with a cheater pipe. It still wouldn't budge. I thought, what the heck, I can get my air impact gun in there, that'll get it out. Nope! Really, how could a pipe plug be that tight? A closer look revealed that it wasn't really a plug at all. It was part of the intake manifold casting that just looked like a plug! Why would they do that? What do I do now? I decided I needed to drill it out and tap it for 3/8" pipe thread. I didn't have the tap, so I made a trip to Grainger to get the needed 3/8" NPT tap. I also needed a 9/16" drill bit to make the hole the correct size and I didn't have that either. I tried to find one that would work in my Milwaukee battery powered drill, but apparently the only 9/16" drill bit available is one with a 1/2" shank. Not wanting to chance getting metal shavings inside the engine, I removed the thermostat housing and thermostat so I could insert a strong magnet inside by where I needed to drill. I started with a small drill bit and worked my way up to the 9/16" bit. That all went well until I discovered I didn't have a drill with a 1/2" chuck small enough to fit in where I needed it. So, off to Harbor freight where I purchased the smallest air drill I could find with a 1/2" chuck. Then I discovered the drill bit was a couple inches too long. I cut the shank down to where the drill would fit. Success! Okay maybe not. When I plugged the air hose on the drill, it still wouldn't fit in at the correct angle. I removed the air fitting and put in a 90 degree elbow and then bent a piece of tubing with a hose to point it up. Finally, the hole was drilled! Tapping the threads was easy compared to everything else and the magnet worked perfectly to collect all of the metal shavings that went inside. The sending unit was finally installed, and the wire was plugged into the sensor. Who knew it would take all day to drill one little hole!

The next step was drilling a 3/4" hole in the exhaust header pipe for the bung to install the oxygen sensor. Of course, the drill wouldn't fit there either, but it was easy to unbolt the header pipe and drop the whole pipe down where it was easy to drill the hole and weld in the bung. Once the header pipe was re-installed and the oxygen sensor was screwed in place, there were only a few more wires to connect.



Fuel Lines to Sniper Unit



Fuel Hoses Frame to Engine



Drill & Bit





Hole Drilled & Tapped

The next job was connecting the blue wire to the fuel pump. That meant sliding insulated tubing over the wire for protection and routing it down and along the frame to the fuel pump. Once the pump was all wired up, the yellow wire needed to be attached to the "Tach" terminal on the large cap GM Distributor. The yellow wire was too short and had to be lengthened a few inches. Also, the wire plug for the "Tach" terminal is a special plug that I didn't have, so I had to modify a plug to make it work temporarily until I acquired the correct one.

I was getting close to the end of the installation now and it was time to connect the pink wire to the fuse block. That wasn't too hard, I simply routed it through an existing firewall grommet and connected to the fuse block. Then I routed the red and black wires directly to the battery. Those wires were too short too, requiring a few more inches to reach the battery posts. Once that task was completed, the only thing left was to plug in the display monitor. Unfortunately, there was no existing place in the firewall to put the plug end through. I drilled a new hole and fed the wire through with a nice grommet to keep it protected. Whew, the Installation is done! Wahoo!

I took a few minutes to look over the entire installation to make sure everything was really ready to go. It appeared it was, so I was ready to run the startup program for the ECM and then see if the engine would start. I hooked up the battery and turned on the key. The display lit up and I touched the program wizard button, allowing me to select the matching ECM number, the cubic inches, the cam type, ignition type and desired hot idle speed. I hit the "enter" button and the selections were saved to the ECM. At this time, I was directed to cycle the ignition off and then back on. The fuel pump engaged, and I immediately checked for fuel leaks. There were two minor leaks at fittings. I tightened the fittings a bit more and the leaks were gone.

I cycled the key one more time and engaged the starter. The engine immediately came to life and sounded good, but the idle was up around 2,000 rpm. I adjusted the throttle screw, but couldn't get the idle less than 900 rpm, prompting me to check for a vacuum leak or whatever was causing the issue. After checking everything a couple times, I was pretty sure the throttle plates in the new Sniper were not closing far enough to bring the idle down. I removed the Sniper unit and took a close look at the throttle plates. Just as I suspected the secondary throttle plates were not closing properly, allowing too much air intake to lower the idle rpm's. Since I had a second new Holley Sniper for my '55 210 sedan, I opened the box and looked at the throttle plates. Those throttle plates closed perfectly. I decided to put the second Sniper on and see if it solved the problem. It did! The engine ran great, and I was now able to set the idle right around 600 rpm.

Since I bought the Sniper from Summit, I called Summit and explained what was happening. They said no problem, I could exchange it for another one. They are shipping out a new Sniper EFI unit and are supposed to pick up the defective one. How cool is that?



Temp Sensor Installed



Hole Drilled in Exhaust Pipe



Bung Welded In



Oxygen Sensor Installed



Ready to Run



Tri-Five Messages, Info, News & Correspondence

Welcome newest member Sam Milazzo to Tri-Five Revolution. He made it through the entire probation year and passed all our grueling tests. Congratulations $T_{r,p}$





True Line's 40th Anniversary-Remembering George Toussaint Grand Opening Celebration. FREE FREE Mary's Donuts, Coffee, Food, Drinks, Live Music.

Sunday - March 23, 2025. COME EARLY 9AM to 1PM. Bring the Family.

All donations and tips go to the Grossmont High School Women's Softball Program.

Tony Cortes





An Easy Make-Ahead Breakfast

Good any time of year, Bircher's Museli is quick to make from ingredients you probably already have on hand. A batch will keep five days in the refrigerator.

Bircher Muesli

1 cup Old-fashioned oats

1/4 - 1/2 cup Craisins, raisins, or dried cherries 1/4 - 1/2 cup Walnuts or pecans, chopped

3/4 teaspoon Ground cinnamon

3 Tablespoons Any nut butter (a bit less than 1/4 cup)

6 Tablespoons Applesauce (a scant 1/2 cup)

1 cup Milk, any kind

1 large Apple, grated (I use the food processor)

Mix first 7 ingredients in a bowl to combine. Grate apple, add to bowl and stir again. Store in an air tight container and refrigerate.

Add a bit of milk to your muesli when you are ready to eat. Enjoy!.

We miss you all of our Tri-5 friends.

Ann Goldberg

2025 Upcoming Events, Cruises, Partys and Holidays

2/1 In N Out Burger Car Show - Scripps Poway Parkway

2/2 Ground Hog Day

2/8 San Juan Capistrano Classic Car Show - Via Positiva

2/8 7th Annual Kearney High Alumni Car Show

2/8 Dr George Charity Car Show -Indian Wells, Ca

2/9 Long Beach Swapmeet

2/14 Valentine's Day

2/17 Presidents Day

2/19 T5R Meeting - Hamburger Factory, Poway

2/22 Broken Yolk for Car Show Folks - Rancho San Diego

3/1 In N Out Burger Car Show - Scripps Poway Parkway

3/2 Pomona Swapmeet and Classic Car Show

3/6 T5R Cruise to Yuma – Meet Alpine Albertsons

3/7-9 Midnight at the Oasis – Yuma, Az

3/9 Daylight Saving Time (Spring Forward)

3/9 Long Beach Swapmeet

3/15 Revved Up for Students - Escondido

3/16 Motors4Music Car Show - San Marcos

3/17 St. Patrick's Day

3/19 T5R Meeting - Hamburger Factory, Poway

3/22 Sunrunners Car Club 39th Carne Asada Run Car Show -Imperial, Ca

3/23 True Line Tonys 40th Anniversary Car Show - El Cajon

3/31 César Chávez Day

4/1 Murrieta Rod Run 2025 registration begins

4/4-6 24th Meguiar's Del Mar Nationals - Del Mar Fairgrounds

4/5 In N Out Burger Car Show - Scripps Poway Parkway

4/6 Long Beach Swapmeet

4/13 Pomona Swapmeet and Classic Car Show

4/16 T5R Meeting - Hamburger Factory, Poway

4/19 Spring Fling - Lakeside

4/20 Easter Sunday

5/3 In N Out Burger Car Show - Scripps Poway Parkway

5/10-12 52nd OTHG Annual Streak - SD Campland by the Bay

5/11 Long Beach Swapmeet

5/17 Lake Elsinore High School Car & Truck Show

5/21 T5R Meeting - Hamburger Factory, Poway

5/26 Auto Swapmeet & Car Show - Pechanga Arena

6/7 In N Out Burger Car Show - Scripps Poway Parkway

6/8 Long Beach Swapmeet

6/18 T5R Meeting - Hamburger Factory, Poway

6/22 Pomona Swapmeet and Classic Car Show

8/7-9 Tri-Five Nationals - Bowling Green, Kentucky





Red Font is a club attending event

Green Font is a club member

submitted event

Blue Font are Holidays and

Observances

For site links, information, details & event flyers

https://tri-fiverevolution.com/calendar



Blast Strom The Past



Here's a photo of a Tri-Fiver with his first car 63 years ago. It's a '47 Ford with 283 small block engine. Can you guess who he is?



it with us. With a car would be a bonus but not necessary.

Did you guess last weeks Blast to the Past? This was a 2 week road trip we took in 2005 to Breckenridge, Colorado for the CCI Western National Convention. The orange clad mechanic found under many a classic on that trip was our very own Bob Bishop.

Bob's "What The Hell Is It?"





A device used to produce equipose. I hope I haven't given it away.

Bob





Congratulations Sam Milazzo. It is a gauge for setting the angle on a carbutator choke. He guessed it right away.





T5R Meeting Hamburger Factory

in Poway-5:30pm

14122 Midland Rd Poway, CA 92064 858-486-4575

2025 3rd Wednesday

February 19
March 19
April 16
May 21
June 18
July 16
August 20
September 17

https://www.hamburgerfactory.com/

In N Out Cruise Scripps Poway Parkway

2025

February 1 March 1

April 5

May 3

June 7

July 5

August 2 September 6

October 4

November 1

December 6



http://powaycruisers.com/in-n-out-burger-cruise-nite/





All proceeds help benefit the K.H.S. Scholarship fund

The Kearny High Alumni Association Presents the

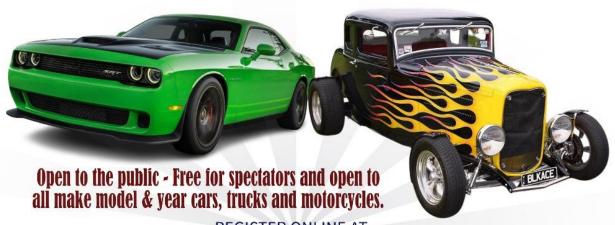
7TH ANNUAL KEARNY HIGH ALUMNI CAR SHOW SATURDAY FEB. 8TH, 2025

9:00am-2:00pm



San Diego County Office of Education 6401 Linda Vista Rd, San Diego, CA 92111

\$25 PRE-REG RECEIVES 1 FREE LUNCH AND DASH PLAQUE FOR ALL WHO REGISTER BY JAN 30TH



REGISTER ONLINE AT WWW.KEARNYHIGHALUMNI.ORG 619-201-8207

Name:	Email:		
Phone#:	Year:	Make:	Model:
All entrants hereby release and discharge Ke	se adhere to any and all safety re- amy High School, Kearny High Alumni Association on the way to, during the event or after leaving the	SDCOE; their officials and all sponsor	s from any known or unknown damages, injuries, losses or
	Signature:		

Entry fee payable to: K.H.S. Alumni Association Mail to: Kearny High Alumni Association P.O. Box 710700 San Diego, Ca 92171-0700 Need more info, call (619) 201-8207

RAIN DATE TBA



T5R Member Caravan ~ March 6th Alpine Albertsons Parking Lot ~ 10am



TSR Club Event



Saturday, March 15, 2025 9:00-12:00



The Revved Up for Students Car Show proceeds will assist in improving Christian Education at Grace Christian School

The Revved Up for Students Car Show

is open to all makes and models of cars, foreign, domestic, classic and collector vehicles. Admission is FREE and only \$30 to register your car for the show.

Registration info on our website

www.graceschoolescondido.org

Entertainment ~ Vendors ~ Revved Up T-Shirts Raffle Prizes ~ Food & Drinks ~ Sponsorships Available

EVENT LOCATED AT GRACE: 643 W. 13th Ave. Escondido, CA 92025 760-747-3029 www.graceschoolescondido.org



MOTORS 4 MUSIC

March 16, 2025

9am - 12:30 pm

Free Admission, Live Music, Food Trucks, Raffle, Vendor Booths, 25 Unique Award Categories & Our Famous Custom Trophies!

ALL Proceeds Benefit San Marcos High School Band & Color Guard

Show Details and Registration:

www.sanmarcosbands.org/motors-for-music

Please email motors4music@sanmarcosbands.org for sponsorship & vendor booth opportunities!



COME JOIN US AT: EAGER PARK . 10TH & G STREETS . IMPERIAL, CA

Preregistration by March 8, 2025
Preregistration - \$40 • Day of Show - \$45 • Second Vehicle - \$15

Registration includes:
2 Carne Asada Lunches, Dash Plaque & Goody Bag

WELCOME ALL YEARS, ALL TYPES

Show & Shine 10:00 am to 3:00 pm Trophies Raffle Prizes • Best of Show Trophy 50/50 • Music • T-Shirts for Sale

Dash Plaques & Goody Bags for First 150 Participants

Contact: Mike Taylor (760) 356-2173 • miket5289@gmail.com • Bob Bunch (760) 535-4419



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San Marcos High School Bands MOTORS 4 MUSIC CAR SHOW FUNDRAISER Sunday March 16, 2025 San Marcos High School - 1615 W. San Marcos Blvd, San Marcos, CA 92078

Check-In 7:00am, Show Starts 9:00am, Judging Begins 9:30am, Awards 11:30am
RAIN OR SHINE • NO PETS • NO ALCOHOL

Advanced registration is Jan 17 - Mar 14, Day of Registration is Mar 16 from 7am - 9 am Spaces are limited and subject to availability. ALL proceeds benefit San Marcos High School Band & Color Guard Programs

Register online at: www.sanmarcosbands.org/motors-for-music

For Mail in Registration, Please make your check out to: SMHS Music Boosters. Please mail completed form and check to: SMHS Music Boosters - 663 S. Rancho Santa Fe Rd., Suite 658, San Marcos, CA 92078

Name: ______ Phone: _____ Email address:

Year: _____ Make: ____ Model: ____ Club

Please Select ONF Class:

Pre-1949	Domestic cars manufactured before 1949	Asia Imports	All Asian manufacturers, all years
1950's	Domestic cars manufactured 1949-1959	Euro Imports	All European manufacturers, all years
Early 1960's	Domestic cars manufactured 1960-1965	Trucks	All trucks, all makes, all years
Later 1960's	Domestic cars manufactured 1966-1969	4x4	All Jeeps, SUVs, Overlanders, & Buggies
1970's	Domestic cars manufactured 1970-1979	Electrics	All zero-emission vehicles
80's & 90's	Domestic cars manufactured 1980-1999	Students	SMHS student vehicles
2000's	Domestic cars manufactured after 2000	Hot Rods	All Rats. Rods. & vintage custom vehicle

All entrants will also be considered for these Award Trophies:

All entrants will also be considered for these Award Trophies:

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Registration Fees

Advanced Registration - \$35 per vehicle

Day of Registration - \$40 per vehicle

\$

All registrations include one free show T-shirt. Please indicate size(s): S M L XL 2

Waiver of Liability: As consideration for the privilege to participate in the Motors for Music show, I hereby release and discharge the organizer, committee members, volunteers. San Marcos High School Music Boosters, San Marcos High School Music Boosters, San Marcos High School San Marcos High San Marcos High School San



24th Meduiar's Del Mar Nationals presented by FiTech Fuel Injection

April 4-6, 2025

Del Mar Fairgrounds

2260 Jimmy Durante Blvd, Del Mar, CA 92014

Friday, April 4 - 8:00am to 5:00pm

Saturday, April 5 - 8:00am to 5:00pm

Sunday, April 6 - 8:00am to 3:00pm

https://www.good-guys.com/dmn







Over the Hill Gang San Diego Streak 52

May 9 - 10, 2025 Campland on the Bay





OPEN TO ALL
VERY AND MAKE
VERICLES!

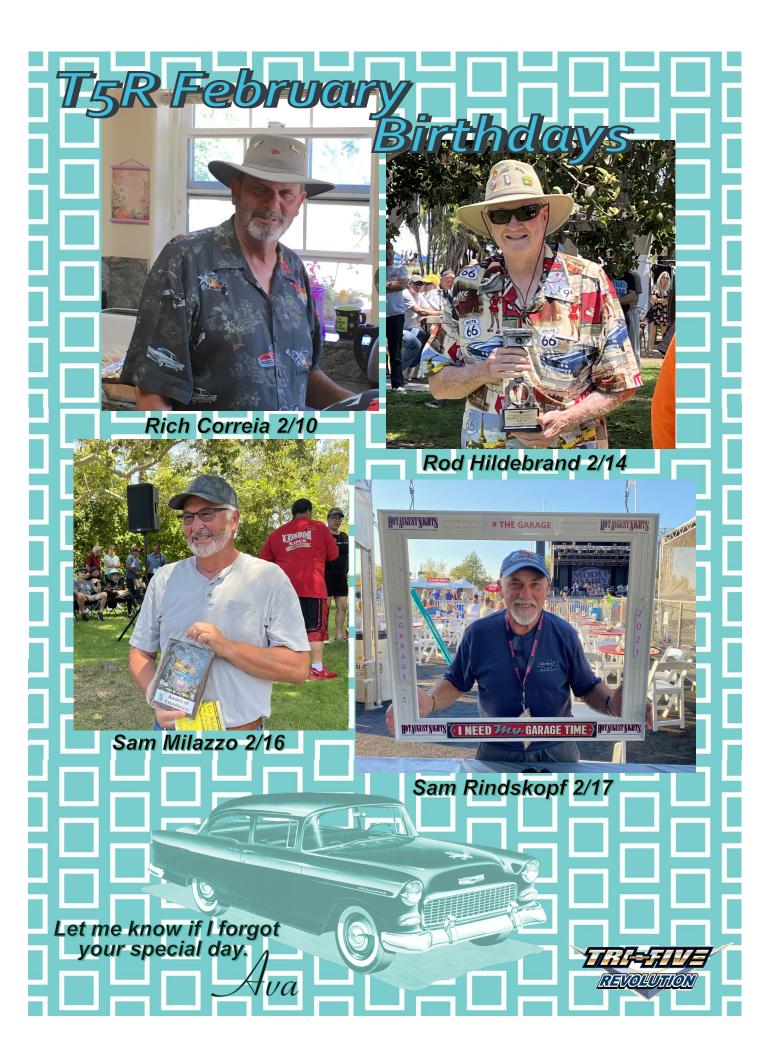
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VEHICLES!

MAII payments to Cruising for Causes • PO Box 710086, Santee, CA 92072
Or register online • INFO: 619-201-8207



Registration begins April 1, 2025. For VIP reserved parking don't wait, it will sell out in minutes.

Click here for more info



Tri-Five Revolutionaries & Classic Friends Cards & Links



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club@tri-fiverevolution.com









Newsletter submissions are due before the 25th of the month.

send to: Ava@Tri-FiveRevolution.com

Classic friends are welcome to send information about your upcoming events, we love hearing from you. Revolutionaries please let me know what events you are planning to attend.





Tri-Five Web Designer **Brooks Bishop**

brooks.bishop@gmail.com

http://www.tri-fiverevolution.com

Creaky Lantern Games

https://creakylantern.com/





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