

## Want Longer Engine Life? Try 2-Ply Toilet Tissue

### A True Story About "American Imagineering"

When the Frantz Oil Cleaner/Filter was first invented back in 1953 by John Frantz, crude oil was selling for \$1.81 a barrel. Gasoline was selling for \$.29 a gallon, and you had only two choices for toilet tissue.

The story of the Frantz Oil Cleaner began in Modesto, California when John Frantz decided ("imagineered") that the best way to filter oil was through a dense paper medium, so he grabbed a roll of toilet paper and stuffed it into an old tin can. It was a simple unit, however, analyses showed that it removed 97% all of foreign solids that typically accumulate in internal combustion engines.

Enter Skipper K. Yee in 1959. After hearing about the new filtration system that virtually eliminated the need for oil changes and used a roll of ordinary toilet tissue as an element, he contacted Mr. Frantz. The obvious benefits of such a product fueled the imagination of the Mr. Yee and by 1961 he and his wife Lois K. Yee, were incorporated and had the sole distribution rights for the Frantz Oil Cleaner.

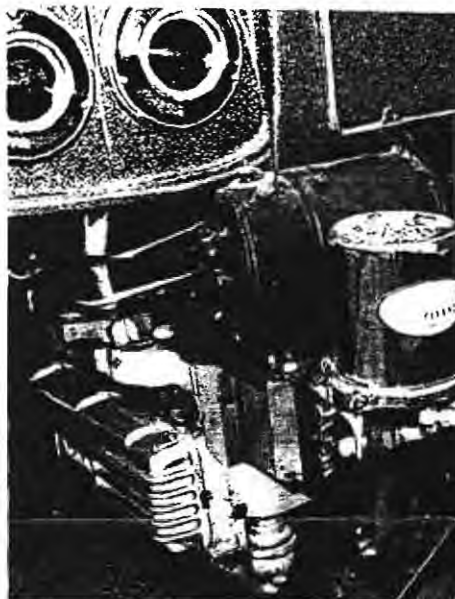
The Yees developed an ambitious marketing plan and a sales organization that utilized anyone who believed in the product and wanted to build "financial security with a future unlimited."

By 1965, SKY Corporation (Mr. Yee's initials) became international in scope when the headquarters was moved to Vancouver, B.C.. The organization was growing fast; sales were increasing rapidly, a new assembly plant was built, and new warehouses were obtained. The sales and distribution organization in the United States alone numbered in the thousands while foreign franchises were being negotiated in Germany, Mexico, Australia, Japan and other parts of the world.

SKY Corporation relied on a direct sales method using Mr. and Mrs. Yee's marketing plan of success by overcoming obstacles and helping others to make their dreams come true.

### A Real Success Story for Mr. Yee.

Born in Canton, China in 1921, Skipper came to the U.S. as a nine year old to live with relatives in Phoenix,



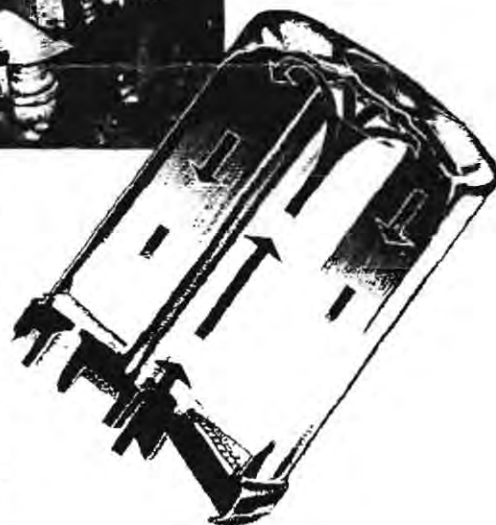
Frantz installation on Corvair powered buggy provides easy access for maintenance, good air circulation.

Oil flow path of Frantz Filter shows how oil is forced through thousands of toilet tissue roll. Buggy is by-pass valve insures oil circulation through engine shield filter because charged from evaporator maintenance.

quart of oil capacity, gets a boost for a VW or Corvair, plus the advantage of remote mounting which eases servicing and does some additional oil cooling.

If the engine is allowed to set for about 15 minutes, the excess oil drains out of the filter cartridge case and the old roll removed and a new one inserted without getting one's hands dirty.

The Frantz Oil Filter kit for VW and Corvair engines, complete with instructions for fitting, costs \$29.95, less installation. Most off-road enthusiasts will find they can put the unit on themselves in very little time. As we said, replacement filter units are just common toilet tissue, selling for about 10 or 15 cents per roll and there is no advantage to using the fancy colored stuff at higher prices.



FRANTZ OIL FILTER KIT FOR VW AND CORVAIR

Arizona. At 15, he left Phoenix and headed for Stockton, California where he received community recognition for his athletic ability in spite of his small stature at 5'3" in height. While living at the YMCA in Stockton he won many awards and championships in boxing and wrestling.

After serving in World War II, Skipper graduated from the University of Pacific in Stockton, fell in love with Lois, married, and soon entered the direct sales profession. The SKY organization's manual of 1965, which contains details of the products, policies, training, recruiting, and marketing plan says that he and Lois gave

See Frantz page 3

## Tucson Corvair Association Established 1975

**Corvairsation** is a monthly publication of the Tucson Corvair Association, which is dedicated to the preservation of the Corvair model of the Chevrolet Motor Division of General Motors. The Tucson Corvair Association is a chartered member of the Corvair Society of America (COSA) chapter 857.

**Monthly Meetings** are held on the fourth Wednesday of each month, except November and December. One technical/social event is planned for each month, except July and August.

**Membership Dues** are \$15 for individuals and \$18 for families. Initial dues are \$19 for individuals and \$22 for families (includes name tags). Make checks payable to Tucson Corvair Association.

**Change of Address:** Report any changes of address or phone number to the Membership Chairperson. Do not report such changes to the Corvairsation Editor.

**COSA Membership Dues** are \$35 per year (\$70 for 26 months) and include subscription to the COSA Communique, a monthly publication. COSA membership is not required for membership in the TCA, but is highly recommended. See any TCA officer for more information.

**Classified Ads** are free to members and \$3 per 4-line ad to non-members. Deadline for materials submitted for publication in the Corvairsation is the 10th of the month.

**Business Mail Address:** 1026 South 7th Avenue, Tucson, AZ, 85701-3010.

**Web Site Address:** [www.corvairs.org](http://www.corvairs.org)

## Generosity of a Member

*Reprinted from the April 2005 COSA Communique*

Enclosed is a check for \$500 from the Tucson Corvair Association for the Frank Winchell Memorial Scholarship Fund. The money was collected from the parts sales at the Great Western Fan Belt Toss in Palm Springs this past November. The parts had been donated to the club several years ago by Corvair Consultant Gordon Cauble to help provide additional income for the Tucson Club. We would like to acknowledge this longtime member's generosity for ultimately making this donation possible.

*Allen Elvick, Treasurer  
Tucson Corvair Association*

*Thank you too Allen and all who had a hand in the events leading up to this Scholarship donation. - Ed.*

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## Frantz

up a successful business enterprise in favor of the Frantz Oil Cleaner. In this product he saw an opportunity to create a large sales and distribution organization in which he and others could "share in unlimited sales and income potential offered by the Frantz Oil Cleaner as distributed under the SKY Marketing Plan."

His credo was "to be successful, you must offer the opportunity of your success to your fellow man."

"As a SKY distributor" he believed, "you are limited in your success only by your desire and your willingness to work to reach your goal."

SKY Corporation's production of the Frantz Oil Cleaner continued until 1988. The Frantz Oil Cleaner/Filter was remanufactured again around 1994 by George Walker Enterprises. George Walker sold and installed the original filters back in the 1960s for SKY Corporation. His new and improved Frantz filter is now sold under the company name of "We Filter It." After George's death in 2001, production continues under the direction of his daughter Deborah Walker Harley.

Many thanks to Mr. Don Reed for generously lending the Editor a copy of the SKY Corporation's Manual. Mr. Reed, who owns and drives a Corvair Ultravan, was a member of the SKY sales force back in the late '60s. He still uses a Frantz filter in several of his automobiles including his Honda Civic and claims that he has not changed the oil in over 25 years and it still looks new.

The accompanying advertisements and testimonials are just a small sample of the promotional materials that were included in the SKY Direct Sales Manual.

[www.WeFilterIt.com](http://www.WeFilterIt.com)

For more information on the new Frantz Oil Filters or other filter accessories produced by **We Filter It**, go to [www.wefilterit.com](http://www.wefilterit.com) or call 1-208-467-3726. They are located at 2422 12th Avenue Rd. #264 Nampa, ID 83686-6300.

# NOW!

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# 90%

on OIL and FILTER EXPENSES

with a

## PROVEN SYSTEM of OIL FILTRATION





### latest ADVANCE IN THE AUTOMOTIVE INDUSTRY

The **FRANTZ OIL CLEANER** is the result of developing an automotive oil filter that will clean motor oil so **COMPLETELY** that it will **ELIMINATE FREQUENT AND EXPENSIVE OIL DRAINS**. Applying one of the oldest and most efficient methods of filtration . . . the passing of fluids through paper . . . it was realized that the **MORE LAYERS OF PAPER** used, the more complete the filtering process would be.

From this beginning came the most revolutionary and positive automotive oil cleaner in the world . . . **FRANTZ OIL CLEANER**. The secret of the filtration "miracle" is **40,000 SQUARE INCHES OF HIGHLY COMPRESSED TISSUE**.

## CHANGE YOUR OIL... THE **Frantz** WAY! (Replacement Cartridge - 15

## Oil Color Changes

### What Are They? What Causes Them?

Occasionally you will find that oil not containing the ashless detergent additive will become discolored even though filtered through the Frantz Oil Cleaner. The most common color changes and their causes are:

**DEEP RED:** Caused by red dye used in many premium grades of high octane gasoline. Minute amounts of fuel containing this dye carried into the crankcase will often color the oil a deep red. This dye contamination is harmless.

**BLACK:** Caused by fuel soot. Just a few tenths of a percent of this contaminant is enough to turn the oil coal black in color. This is most common in Diesel engines. Soot contamination is a direct indication of poor combustion and excessively rich fuel air mixtures. Its physical presence in the oil may be detected by the various tests for clean oil on page of this section as well as by laboratory analysis.

**MILKY AND CLOUDY:** Caused by the contamination of water in the oil. Since the Frantz will remove all normal amounts of moisture in the oil, this discoloration could be a direct indication of an abnormal engine condition and should be thoroughly investigated.

**GREY:** Caused by accumulation of lead salts in the oil. The tetra-ethyl lead anti-knock compound used in high octane gasoline is converted to insoluble lead salts during combustion. These lead salts are light grey in color, so it is very common that the crankcase oil will become grey in quite a short time. These lead salts contribute to engine wear. The FOC keeps this material at a lower concentration than any other filter system.





POLICE DEPARTMENT

POMONA, CALIFORNIA

OFFICE OF THE  
CHIEF OF POLICE

June 5, 1964

Sky Corporation  
Box 311  
Stockton, California

Gentlemen:

For the past year this Department has been using the Frantz Oil Cleaner on police units in our fleet. Since installation of this equipment the oil has not been changed, except for the recommended addition of one quart at 1,000 mile intervals when the cartridge is changed.

After more than 30,000 miles of operation on these units an oil analysis shows the oil to be in suitable condition for further use and free of all harmful contamination. The engines in these units are exceptionally clean after this considerable period of operation.

I wish to thank your representatives for the prompt service of the oil filter units used by this Department.

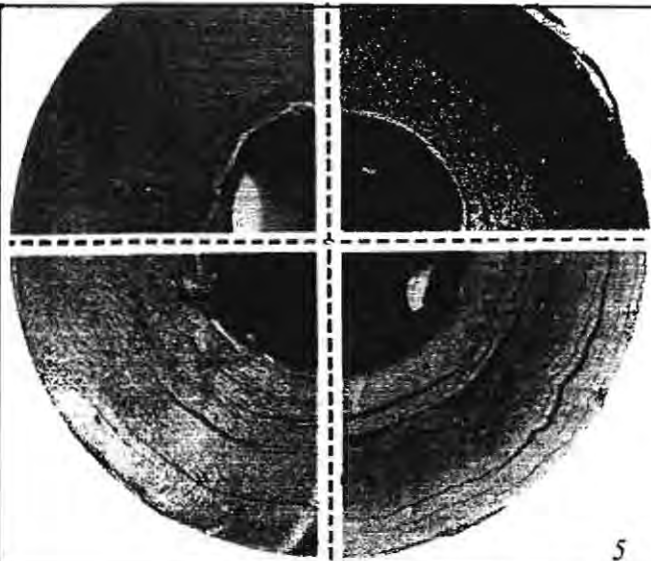
Very truly yours

RALPH E. PARKER  
Chief of Police

**A "Barometer" For Preventive Maintenance**

The FOC, because of its construction and filter element, is one of the greatest indicators of engine malfunctions.

"Reading" the used tissue element and taking a visual comparison with the Instant Engine Analysis Chart provides an early detection, not only of engine malfunction, but impending engine malfunction when deposits are seen. Such early detection of engine trouble can prevent more extensive damage and save your customer costly repair bills. (For detailed information on "reading" the tissue, refer to page 94 of the Installation manual.)



**CARBON** is formed in the ring zone and under piston heads from oxidation of oil due mainly to high piston temperatures and is deposited in the oil, as is fuel soot, from "blow-by."

FUEL SOOT and CARBON, alone with other solid contamination, when mixed with water, gums and resins, form sludge.

**Varnish Gum and Resins**

VARNISH and GUM resins are formed by unburned and partially burned fuel when exposed to even normal crankcase temperatures. While varnish and gum resins are also formed by the oxidation of oil due to extreme heat, fuel is the main source of these contaminants.

**Sludge**

The combining of various solid contaminants with water, varnish and gum resins result in a gray-black to black colored substance with a consistency varying from that of a semi-fluid grease to that of a near solid. If allowed to accumulate, this substance would cause a thickening of the oil, plug piston rings and plug oil pump screens. Engine wear, and even engine damage, could then result.

**Blow-By**

"BLOW-BY" is a term used to describe contaminants formed during the combustion process which leak past (blow-by) the piston rings and enter the crankcase. Most "blow-by" is cleared by the crankcase ventilating system as it is formed. If the PCV valve or tube is plugged or clogged, however, the vapors are trapped in the crankcase, permitting a dangerous build-up of these contaminants. Not only will the oil become contaminated at many times the normal rate, but oil seals can be blown, resulting in an immediate loss of lubricating oil.

A positive crankcase ventilating system which is kept clean at all times will prevent any problems from blow-by build-up. For further information on how to keep the smog valve clean refer to page D-11 of this section under the heading SKY CORPORATION, THEIR ANSWER TO THE COMMON ENEMIES OF OIL.

## CORVAIR 1960-on

### OIL PRESSURE SOURCE:

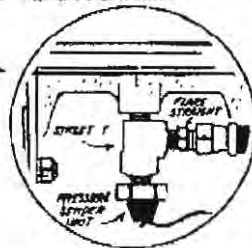
Remove pipe plug (or sender unit) located on top of full-flow filter casting. Install Frantz oil line in pressure opening with 45° Street L. If sender unit is located at pressure opening, install tee AND sender unit at inlet of Frantz Oil Cleaner. Add short length of electrical wire to oil gauge wire.

### MOUNTING LOCATION:

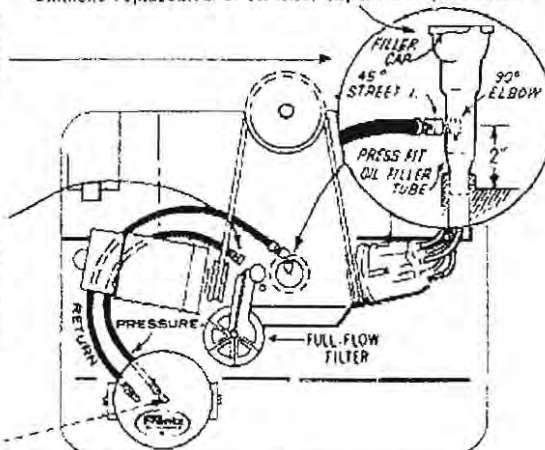
Frame cross member at rear of engine.

### OIL RETURN:

Remove oil filler tube which is a press fit in the aluminum casting. Drill 11/32" and tap 1/8" pipe thread 2" from bottom end of tube. Install 45° Street L through tube and into 90° elbow to direct oil stream downward. Reinstall tube with return fitting on forward side of tube. Place block of wood on top of tube and tap into place securely with hammer. Attach Frantz return line.



NOTE: The Corvair engine has a sealed crankcase which is vented through the smog valve. Accessive blow-by created in a worn engine has a tendency to escape through the worn filler tube cap gasket causing oil spray on the engine. Recommend replacement of oil filler cap after 30,000 miles.



### NOTE:

Route pressure and return lines forward under fan belt and generator. This will allow replacement of fan belt without disconnecting FOC.

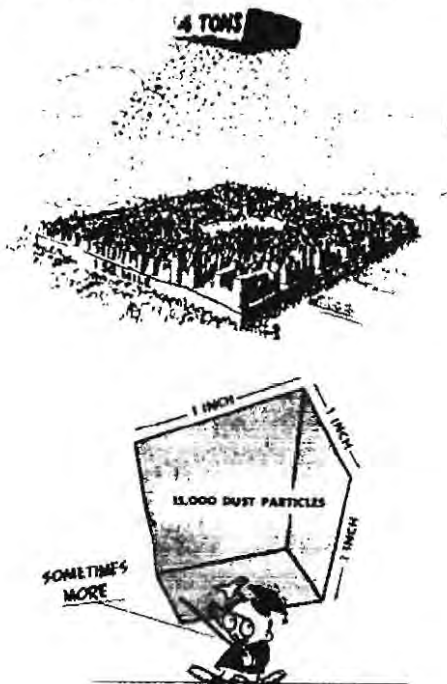
To facilitate this installation, have a spare tube assembled in advance, Chevrolet Part No. 3785359.

© 1960 SET CORPORATION

## THE COMMON ENEMIES OF CLEAN OIL

### Where Do They Come From?

It has been authoritatively stated "good motor oil won't wear out, but it can be contaminated to death." So the question is: What are these contaminants and where do they come from?



### Dust and Dirt in the Atmosphere

Records show that as much as 4 tons of this contaminant fall to the earth per square mile a day. An average engine inhales approximately 10,000 gallons of air for each gallon of gas it uses. Even the most efficient air cleaner will not remove all the airborne dust and dirt. Some of these contaminants which are highly abrasive in nature will therefore be admitted to the oil system.

# March 2005 General Membership Minutes

May 25, 2005

**Members Present:** Bill Maynard, Lynn Marrs, Dave and Patrick Lynch, Dave Martin, Dave Baker, Chris Cunningham, Don Robinson, Allen Elvick, Paul Dunn and Art Dunn, Bruce Porter and Sherry and Lance Gillingham.

President Bill Maynard called the meeting to order at 7:20pm.

**Approval of the Minutes for April:** Allen Elvick made a motion that the minutes be approved as written. Dave Lynch seconded this motion and it passed unanimously.

**Presidents Report:** Bill Maynard reported that the BBQ out at Lynn's place was very small because of the searing 109 degree temperature that day. Those who did come had a good time. The Corvair Club is meeting at the Broadway Café tonight, which is the new location to have their monthly dinner meetings as the Mountain View Restaurant has been sold.

**Vice-Presidents Report:** Barry Cunningham -No report at this time.

**Treasurers Report:** Allen Elvick reported that the club treasure is in very good standing and will e-mail Lynn the financial report.

**Librarian:** Lance Gillingham stated that he needs to find another person and place to store the library as he is unable to keep up with it.

**Raffle:** No raffle tonight

## New Business:

A Breakfast run will be made to Fred's Arena on Sunday, June 12, 2005. Meet at Mission and Ajo Library Branch at 9am.

The 2005 Corsa International Convention will take place in Portland, Oregon July 26 thru July 30, 2005. Members going are John and Amy Young, Bill Maynard and Lynn Marrs.

**Corvair Talk:** Dave Martin talked about the vapor lock in his Corvair and wondered what to do to get it running smoothly. Bruce Porter is looking for a RED convertible Corvair (late model) to purchase. Don Robinson talked about his gas gauge showing his tank is full and then drops to empty and car stops a block from his house, of course.

A motion to adjourn was made at 8pm by Dave Martin and seconded by Dave Baker. Motion passed.

Respectfully submitted,

Lynn Marrs  
Recording Secretary



**Better  
Engine  
Performance**



# TCA 2005 Events at a Glance

## JUNE

8 WED TCA Board Mtg. India Oven 2727 N. Campbell. 6:30pm.

12 SUN **Fred's Arena Breakfast Run** 9650 S. Avra Rd., Meet at Ajo Branch Public Library corner of Ajo and Mission Rd. 9am. For inf., call Barry: 733-7387.

22 WED **Regular Monthly Meeting** - 6pm. Optional dinner at 6:20, meeting starts at 7pm. Broadway Cafe.

## JULY

13 WED TCA Board Mtg. Long Wongs. 2500 E. 6th St. SE corner of Tucson Blvd & 6th St.. 6:30pm.

25 MON **Time Trials - Portland Oregon** sponsored by Northeast Corvair Council Portland International Raceway inconjunction w/CORSA International Convention. Inf.: [www.corvair.org/chapters/necc](http://www.corvair.org/chapters/necc), or Brian O'Neill, 973-729-5586, [bmoneill@juno.com](mailto:bmoneill@juno.com)

26-30 TUES-SAT **CORSA International Convention** Portland, Oregon, Host Hotel: Red Lion on the River, 800-733-5466, 503-283-4466, mention Corvair Society of America. Contact Bill Jabs, 503-684-6595, or email: [wjabs@verizon.net](mailto:wjabs@verizon.net)

27 WED **Regular Monthly Meeting** Broadway Cafe, 4330 E. Broadway - 6pm. Optional dinner at 6:20, meeting starts at 7pm.

## AUG

10 WED TCA Board Mtg. Location TBA

24 WED **Regular Monthly Meeting** Broadway Cafe, 4330 E. Broadway - 6pm. Optional dinner at 6:20, meeting starts at 7pm.

NOTE: No mid-month activities in July or August.

# Spares and Vairs



**FOR SALE:** 1960 Corvair 4-dr parts car. O'Reilly Chevrolet/Tucson car. Rough but complete. Call Allen 883-4337 or Chris at 670-9676.

**FOR SALE:** '62 4-dr 700, 53,000 orig miles, nice Tucson car. '62 Greenbrier, 6-dr, 4sp. very orig., '64 Monza conv. yellow/tan 110-4-sp., '64 Monza conv. white/aqua 110-4-sp. restored in 2003, '64 Monza coupe white/aqua 95hp auto, air conditioning, '65 Monza coupe blue/blk 110 4-sp. ALSO '76 Alfa Romeo Alfetta GTV, '85 Saab 900 Turbo 3-dr. Don Robinson, 2044 W. Shalimar Way, Tucson, AZ 85704, 520-297-1356 or fourcorvairs@hotmail.com



**FOR SALE:** '63 Corvair 2-dr 80hp. 33yrs same owner. Complete; needing restoration. \$300. Elliott: 520-742-3055.

**FOR SALE:** LM Arm Rest Bases, (2) Clark's Repros, new. \$20. Dave: 574-3135.

**FOR SALE:** 1963 convt, 700 miles on rebuilt 110hp, 4-sp, high vol. oil pump, 12-plate oil cooler, automatic belt tensioner, powder-coated shrouds, chrome gas lines, mag rims English tonneau, white car w/red int. Asking \$4000. Al Crispin: 722-9445.

**FOR SALE:** LM shrouds - powder coated black, complete upper and lower, \$400 Al Crispin 722-9445

**FOR SALE:** 1962 Rampside rebuilt 4-sp transaxle, 1964 327 transaxle case lots of new parts. Needs body work. Al Crispin: 722-9445.

## CORVAIR PARTS!

Since 1974 Corvair Underground has been selling parts and services to the Corvair community!

We offer new, used, rebuilt, NOS and reproduced parts as well as toy cars and collectibles.

Corvair Underground sells to every state in the Union plus all over Canada and the rest of the world. We accept all major credit cards and you can call, fax, mail or e mail your order.

Our giant 300 page mail order catalog, The Corvair Book, is just \$6.00 postpaid (USA). You can also get a subscription to our newsletter, The Corvair News, free. All we need is your name and address. Also, don't forget our online website [www.corvairunderground.com](http://www.corvairunderground.com). There you'll find our newsletter online, our GoVair performance and custom site and a whole lot more!



**CORVAIR UNDERGROUND Inc.**

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Email: [clarks@corvair.com](mailto:clarks@corvair.com)



Mark Drumheller  
Paul Dunn

**The Car Guys**

22 Hwy 92 - Bisbee, AZ 85603  
(520) 432-5134 [paul@corvairs.org](mailto:paul@corvairs.org)

*Corvairsation ads are free to members.  
For non-members, ads cost \$3 for up to four  
lines of text. Pictures cost \$1.50 for non-  
members.*



# Tucson Corvair Association Corvair Society of America Chapter 857

Regular Monthly Meetings are held on the fourth Wednesday of each month.

November meeting is on the third Wednesday.

The December meeting is an annual Holiday Party.

Meeting Place: Broadway Cafe, 4330 East Broadway, 327-1957

Parking Lot Bull Session: 6pm - Dinner: 6:20pm (optional)

Meeting: 7pm.

## Upcoming Events:

July 26-30 *2005 CORSA International Convention*

Portland, Oregon - Host Hotel: Red Lion on the River, 1-800-733-5466



Tucson Corvair Association  
1026 South 7th Avenue  
Tucson, AZ 85701-3010



## HOW TO "POLICE" AN ENGINE OIL PROBLEM



The Pomona, California Police Department will never be charged with "normal negligence" of engines! After more than 30,000 miles — without an oil change — engines show Pomona Police Car engines to be exceptionally clean — and the oil is suitable for many more thousands of starting miles.

Chief Ralph E. Parker has proved the FRANTZ FORMULA: "MULTIPLY THE ENGINE UNITS YOU HAVE ... BY THE REPAIR BILLS AND DOWNTIME YOU WON'T HAVE!"



Apply one quart to every oil change and keep running easy. It will keep your engine clean and running like new. It will keep your engine clean and running like new. It will keep your engine clean and running like new.



First Class Mail

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