



QUARTERLY NEWSLETTER

January 2017

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Arizona Fire Service Mechanics Association, PO Box 7131, Tempe, AZ 85281

To: All AFSMA Members, Associates, Corporate Sponsors, & Honorees
 Re: Training and Business Meeting Notes and Information



er:

charles_miller@tempe.gov



*For up to date information at a moment's notice,
 get a FaceBook account
 and get all the latest updates on the Association.*

Business Meeting

0803-0852 hrs with 29 members present out of a roster total of 178

Roll call and Secretary's report given on Oct meeting—2nd by Tempe Ty and EVT of the Year James Engols

Treasurer's report—financially we pretty much ended up where we started, maybe a little less.

(For a complete list of expenses incurred, please contact our Treasurer)

Some of the expenses we will incur for 2017 are reoccurring expenses, like: insurance, Fed/State taxes, scholarship for the Arizona Fire School, and instructor fees. Vastly important: if you know instructors who teach in any area of fire mechanics, then we need them. Contact our VP Pat and let's get'em scheduled.

Report 2nd by Figgy & Fred (*now that Barnum & Baily Circus has closed down, we have them*)

Vice President Report: Nothing is in place for the April class. So if anyone has an instructor or class you would like see presented, please contact the VP. In addition, if you have a facility you can and would like to host, also contact the VP. We are still looking at some possible classes in: F-4 electrical, multiplexing, a Cummins diagnostics software class, Akron nozzles, and even an A/C class. You input is needed.

VP's report 2nd by Don Perham & Rob Dewolf (*so yes boss, they were here*)

OLD BUSINESS

Phoenix Fire Foundation, Caisson "Final Tribute" Project

The Caisson is now 99-44/100% completed thanks to a few of the Arizona Fire Mechanics. Tony Z installed the A/C and everything else he found underneath in need of repair, Paul Klusman was invaluable in the removal of the water tank, electrical, fuel system, and most importantly, directions. And from the Arizona State Forestry, Karl and Andy who came out to assist with the removal of unnecessary equipment. All toll, the project was finished ahead of schedule and under budget. The Caisson is available for use through the Phoenix Fire Foundation to any FF, Fire Mechanic, Military, and Police, who passes post career. Contact Harold Shell for further information through the Phoenix Fire Foundation: 602-390-6265



Old Business con't...

All Facebook posts need to go through Charlie...that's because any posts not done properly don't go out to others who have requested notification

Allison filter kits: they should only be purchased through Allison because many of the aftermarket kits are built in China and are considered by Allison to be inferior. These filter kits are different in many ways. For example, some are built with the wrong filter micron mesh and the o-rings are made of the wrong material. Allison in turn does not warranty the inferior filters. They also say a couple of ways to tell if your filters are fake ones starts with the box. Even though marked with Allison, there should be a band around the bottom of the box that the fake ones don't have, and on the back of the box the fake ones say, "Allison affiliate of General Motors (GM)". Allison hasn't been affiliated with GM for some 16+ years.

So check your stock rooms and verify



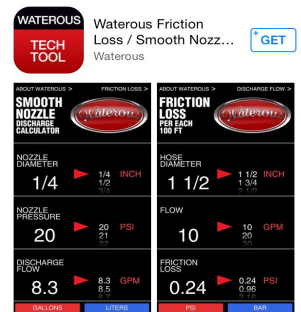
All valid questions and all answered by the Board..."Been there, done that." We actually tried it once and spent more time trying to void the system of viruses than we did solving mechanics problems. So that was ousted in favor of the EVTA National website at <http://www.evta.info/> In addition, there's also YouTube for fixing fire trucks...

https://www.youtube.com/results?search_query=fire+engine+repair

Aaaand... Don't forget Jay's 6-part Video Series at the Waterous website

<http://www.waterousco.com/jays-videoseries>

Now one other thing: A Tool Tech app from Waterous for your smart phone! It has a smooth nozzle discharge calculator and friction loss & discharge flow for when you are pumping at the pit. Looks like this...



Chapter 10 of the Great American Pump Trailer Saga continues...

Frustration has set in among the rank and file. The Association is in need of mechanics to work on it. As an Association, one would think

that the shape of our pump trailer would be indicative of the kind of work we mechanics perform. Well, in its current condition said would not be the case. Sooooo...a few volunteers are needed to install fenders,

maybe a wrap, and possibly remove the pump(s) so that proper repair work can be performed. The Executive Board now has a committee to look into this problem. Tucson has volunteered to work on the trailer if we get it there, Ty volunteered to paint the pump, or at least pretty it up a bit, but there are also other items on the agenda needing to be addressed. \$1,000 was voted on by the membership present to address these problems. So we need your help. Volunteer!!

Additional new business...

How about a paint/body work/body prep class? M-1, M-2 electrical, Detroit engine-Series 60 & diagnostics? Others requested an A/C class in April to gear-up for the summer, additionally Cummins insite training and D-DEC. All sounds good to me, we just need an instructor. Know of any?? And the Association does have some training funds that are available to instructors who will have traveling expenses or training materials for classes. Contact the VP with your ideas.

Tempe Fire has an opening for a SCBA and fire equipment Technician—check the Tempe website

Hughes Fire Equipment is looking for a heavy duty mechanic w/ 4-5 yrs experience. See Mike Apodaca for more information.

Kosovo is looking for technicians to travel there and maintain fleets of trucks. One of our own has left there in an effort to find greener pastures. He says, he can make in 4yrs what it would take 14yrs here. Contact the Board if you want to get away for awhile or if your wife wants you out of the house.



WARNING!

It has come to our attention that there is an effort afoot to merge the 110 or so Fire Districts in AZ to create a large fire authority who would preside OVER the Fire districts. This may or may not affect the city departments. So this is yet another reason to continue your training efforts toward your EVT Master and to maintain those certifications because you never know what's coming down the pipe.

Motion to adjourn by Pat & Joe



Training Class
Golder Ranch Fire District



Horton
EMERGENCY VEHICLES



January training was held at Golder Ranch Fire

Friday's Class: Horton Ambulance electrical, troubleshooting, diagnostics, maintenance and repair on the box and chassis

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electrical troubleshooting mainly around these panels. Recognize them? How about a cradle point router to 14g Wi-Fi connection with a GPS module that is voice programmable so you can add your chief's voice to remind you you're speeding, cool huh? Does your ambulance come with a i4G pin sheet? Horton does. And to quote a very famous GM guy, Horton "...manufactures them to a costing standard."

WOW! Who would'a thunk? In the afternoon we moved on to the HOPS; the Horton Occupant Protection System—commonly referred to by

firefighters as, "...a bunch of air bags." Oh and by the way, if your module is bad and before removing it, let it stand for a minute or so. Because just like the steering wheel air bag, static electricity may discharge the HOPS; and there are a lot of HOPS. I specifically liked the part when the instructor brought to our attention an area around the nitrogen cylinder. He says, "Do not cut, drill, grind, weld, fold, spindle, or mutilate the compressed nitrogen cylinder. Puncturing the cylinder will cause a violent reaction." Now you know that when a firefighter sees this, what's the first thing he's going to do? Yep! To a firefighter this reads, "Poke, prod, use sharp implements, and otherwise dismantle this area and investigate with tools of destruction." We continued with tools required for A/C repair, locations of sensors for the HOPS, and 3pt belt options followed up with a Q&A period. Then came Day 2...

Tomar Electronics update

Instructor: Tom Bleasdale

Covering LED lighting, traffic light preemption options, light programming, component installation, troubleshooting, maintenance and repairs. And I didn't know that white LED lights are harder to manufacture than colors. Tom demonstrated off-road lighting and how they are co-used with the colored emergency lights, including patterns and descriptions of changes. Now of course there was the question of pre-emption, like OptiCom. Except that Tomar's pre-emption is called, Strobecom II; Optical Pre-emption and Priority Control System. This has the ability for the traffic light to select a more maneuverable emergency vehicle approaching an intersection from an opposite direction with another larger emergency vehicle [ex: a BC and a hook & ladder). This allows the larger vehicle the right of way (green) over that of the BC. Now everyone knows that when it comes to the fire diamond, remove any one of the corners (heat, fuel, oxygen, BC) and the fire goes out! So it stands to reason that a system of this caliber would just know that eliminating or delaying the BC to a fire will undoubtedly put the fire out quicker. What a novel idea. EVERY city needs these.



Our many thanks to the instructors for their expertise and knowledge in their respective demonstrations and the information they relayed to us. Any questions you have or problems you may encounter can always be answered by contacting the instructors. They are there to help.

And of course we thank the members of the Golder Ranch Fire District for laying the ground work in making this quarter's training class a success. Thank you Alex Barraza, the mechanics and the office staff for providing the fabulous meals. I of course will always be a maple long-john and pershing fan so for me, I would have been happy with just the donuts.



George Gutierrez retires after 22 yrs of enjoyed pleasure working on fire engines with the Sedona Fire District. Well, ok he spent a lot of time cursing FFs who broke things, but at least he enjoyed the finished product ☺ We wish you the best life has to offer George and don't be a stranger.

ARIZONA FIRE SERVICE MECHANICS ASSOCIATION
PO Box 7131, Tempe, AZ 85281

MEMBERSHIP APPLICATION 2017

Dues are \$ 80 per year

Don't be *THAT* guy! Get training through your Fire Mechanic Association

PLEASE PRINT CLEARLY:



DATE _____/_____/2017

NAME _____ TITLE _____

MAILING ADDRESS _____

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ORGANIZATION/DEPARTMENT _____

BUSINESS PHONE (_____) _____ FAX (_____) _____

BEST CONTACT NUMBER (_____) _____

EMAIL ADDRESS FOR NEWSLETTER _____

Please mark the appropriate box:

NEW MEMBER _____ RENEW DUES _____

AFSMA MISSION STATEMENT

“WE THE MEMBERS OF THE
ARIZONA FIRE SERVICE MECHANICS ASSOCIATION
STRIVE FOR THE BEST MECHANICAL ABILITY
IN REPAIRING FIRE APPARATUS,
TO GAIN SUPERIOR KNOWLEDGE THROUGH TRAINING AND JOB EXPERIENCE,
AND TO UPHOLD THE IDEA THAT FIRE APPARATUS MUST BE THE SAFEST VEHICLES ON
THE ROAD”

**"The education and the continued education of a fire mechanic is what makes for a
"real" fire mechanic. Continuous skill development is at the core of our Association.**

ARIZONA FIRE SERVICE MECHANICS ASSOCIATION

PO Box 7131, Tempe, AZ 85281

CORPORATE MEMBERSHIP APPLICATION 2017

Dues are \$ 320 per year

Includes 4 memberships, corporate advertisement on the AFSMA Website and a certificate from the Association recognizing your sponsorship.

Any additional members beyond the included 4 are billed at the regular member fees.

PLEASE PRINT CLEARLY:

DATE _____/_____/2017

ORGANIZATION/DEPARTMENT _____

MAILING ADDRESS _____

CITY _____ STATE _____ ZIP _____

Please mark the appropriate box:

NEW MEMBERS _____ RENEW DUES _____

MEMBER # 1

Name _____ TITLE _____

MAILING ADDRESS _____

CITY _____ STATE _____ ZIP _____

BUSINESS PHONE (_____) _____ FAX (_____) _____

BEST CONTACT NUMBER (_____) _____

EMAIL ADDRESS FOR NEWSLETTER _____

MEMBER # 2

Name _____ TITLE _____

MAILING ADDRESS _____

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BUSINESS PHONE (_____) _____ FAX (_____) _____

BEST CONTACT NUMBER (_____) _____

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MEMBER # 3

Name _____ TITLE _____

MAILING ADDRESS _____

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MEMBER # 4

Name _____ TITLE _____

MAILING ADDRESS _____

CITY _____ STATE _____ ZIP _____

BUSINESS PHONE (_____) _____ FAX (_____) _____

BEST CONTACT NUMBER (_____) _____

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