



MDPA News

Mount Diablo Pilots Association
Buchanan Field, Concord, California

December 2019

media@mdpa.org

Volume 48 Issue 12

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MDPA BREAKFAST & SAFETY FORUM, SATURDAY, NOVEMBER 2, 2019

By John Potter

MDPA Calendar Upcoming Events

December 2019

4 Board Meeting

7 Airport Santa Event,
Breakfast at Golf Course Deli &
Flyout to Healdsburg, Francis
Ford Coppola Winery

January 2020

1 Board Meeting

4 Breakfast, Safety Forum &
Flyout

14 Dinner Meeting

February 2020

1 Breakfast, Safety Forum &
Flyout

5 Board Meeting

22 Dinner Meeting/Crab Feed

“HANGAR TALK” HOUR

We had about 45 attendees for breakfast. Clean up was prompt.

It is essential that volunteers

!!!!Register!!!!!!!

so that we can have the “**right**” number of people,
but not too many!

If you are logged into the club website - www.mdpa.org, it is easy to find out how many (& who) signed up so that you can gauge whether you should step up and “register” or not. Members can sign up in advance by simply going online and “registering” for any month in the remaining months of the year in a time frame of convenience for them.

The “Cooking Team” is divided to do these tasks:

- **Head Cook (1)** - Makes sure that the food is ready on time and properly prepared.
- **Cooks (at least 4)** - Prepare the food and cleanup the kitchen.
- **Shopping (1)** - Get the food (usually at Costco and/or Safeway, etc).
- **Set-up (1)** - Prepare the kitchen and serving area for serving and store the equipment afterwards.

ADMINISTRATIVE ITEMS

2020 New Breakfast/Forum Team

- Tom Hammitt volunteered to take over of the breakfast.
- Stewart Shuster volunteered to take over the Safety Forum.
- Rod Mickels will take on being our first “Quartermaster” of the MDPA Storage Room to manage the organization and stocking.

MDPA President’s Comments – Maurice Gunderson

- A special tribute to recently deceased Joyce Bowers was presented and family members were present.
- Introductions of visitors and new members were made.
- Maurice thanked the volunteers for putting on the breakfast and, in advance, others for cleaning up.
- He announced that oil that was ordered is available. Prices on the web site to reflect sales tax considerations.
- Thanksgiving would be announced as a joint EAA event in November.
- The December Breakfast will be at the Golf Club in conjunction with the airport sponsored arrival of Santa Clause. Makeup aircraft display days will be 11/9 and 12/14 at the Airport Clubhouse.
- A volunteer is needed to coordinate the 2020 Fly-outs.

Note: *The Historic Aircraft Display, when weathered out, is noticed by MDPA. For this provision to permit an exemption for showing an aircraft, the aircraft must be registered on the MDPA website for that date in advance.*

Director of Airports’ Comments

Beth Lee (Assistant Director of Airports – Administration) updated on the following:

1. A reminder that the Byron fuel farm is scheduled to be out of service on November 6 and 7 to update the hose reel. The outage may be longer if added work is needed when they are replacing the hose reel.
2. Buchanan Field received a \$5,300,000 FAA grant to complete the Runway 14L/32R pavement reconstruction, runway lighting and concrete pad rejuvenation project which is anticipated to start in April/May of 2020.
3. The Buchanan Field Master Plan is expected to be updated starting in 2022. It is important that all stakeholders be involved in this process as it likely to include changes to the airfield.
4. The updated site plan and renderings for the new general aviation terminal that will include aircraft rescue and firefighting (ARFF), airport administration office space, and a general aviation terminal. The ARFF component is eligible for FAA funding; we got a grant for the design and anticipate getting another one for construction of this component. Construction is expected to start in 2021.
5. New aviation and non-aviation development interest continues for several locations at both Buchanan Field and Byron Airports. The revenues generated by these development projects accrue to the Airport Enterprise Fund. Non-aviation uses are required by the FAA to be at market value. Project updates included:

- 3-acre – Northeast corner of Marsh Drive and Sally Ride Drive. Lease is in place and the developer is clearing the environmental process in order to submit for building permits.
- 4.6-acre – Northwest corner of Marsh Drive and Solano Avenue. Developer submitted a development application to the City of Concord on Thursday, October 31st.
- Confire Station 9 – Generally on the east side of the intersection of Center Avenue and Willow Street. It will also include REACH partnership for air ambulance and other related services, is in the environmental process and they anticipate construction starting in 2020.
- 15-acre - Across from the Airport office. Developer is in process of determining preferred end use and will start the planning and environmental processes once that is complete.
- 36-acre Byron
- New auxiliary aviation business at Byron Airport – Located at the maintenance hangar off Osprey Court and across from the Airport office. Skyview Aviation is providing aviation maintenance and flight school training.
- 3-acre box hangar aviation development interest at C83 -- A & B Rows at Byron Airport. A developer has submitted interest to develop this area for aviation uses.

MDPA Treasurer's Remarks

Elaine Yearly reminded membership that annual dues are payable on January 1st, 2020.

Annual Dues - New Member / Membership Renewal:

- ❖ Regular Member \$45.00
- ❖ Student Pilot \$25.00
- ❖ Corporate \$200.00
- ❖ Corporate with newsletter advertisement \$250.00

There is no increase this year. You can renew online, in person at the dinner or breakfast, or by mail - ***Treasurer, MDPA, PO Box 6632 Concord CA 94524-1632***. If you renew and don't get a fuel card quickly, please let us know.

Activities

There was no Fly-Out.

SAFETY FORUM

Moderator 10/05/2019 – John Potter

CONCLUSION - John Potter Magneto inflight disassembly.

From the last month's Forum John Potter reported the outcome on the follow up for the magneto falling apart inquiry with the magneto repair shop in Redding. The person who did the work to insert helicoils described the nature of the failure was time worn threads in an old aluminum casting and possible corrosion effects. Note that the repair shop does not inspect the thread integrity at overhaul since they only receive the casing and not the cap which holds the ignition wire harness. That assembly stays with the aircraft. Prop imbalance might have been a contributing factor.

Moderator 11/02/2019 – Paul Millner

Paul described his Friday September 13th experience of losing a cylinder in flight, enroute from Tonapah NV to Oakland. Fortunately, the failure occurred before over the higher terrain. The inflight symptoms were slight vibration, loss of power (the autopilot smoothly pitched up from 120 KIAS to 80 KIAS to maintain 12,000') and significant decline in both EGT and CHT on #3 cylinder on the Turbo Cardinal's Lycoming IO360 (four cylinder).

Paul described his inflight troubleshooting, and more particularly his momentary confusion that fuel flow had dropped by 25% causing the engine to run leaner and hence hotter... Planning a diversion to Bishop, the concern then became to set up the engine to not self-destruct through runaway CHTs during the 30 nm trip to the diversion runway, while hopefully maintaining altitude as long as possible. The fix was non-intuitive... shut off one magneto to retard effective timing. The arrival was remarkable owing to a temporary tower that the otherwise excellent support from Oakland Center had failed to mention, and the extraordinary firefighter response (three fire engines on each wingtip on rollout) owing to the 50 fire trucks on the field for a nearby forest fire.

Inspection of the engine after landing revealed a stuck exhaust valve on #3, a bent pushrod, and a bent pushrod shroud tube. Repair was accomplished by Paul's mechanic, transported from Lodi, by driving the valve into the cylinder (Lycoming rope trick), reaming the valve guide, and reassembling with a new pushrod and shroud. Root cause analysis continues, but apparently lead oxybromide deposits on the valve stem caused the valve to stick in the guide... turbo operating conditions usually preclude such deposits, so the etiology, and potential mitigation, is unclear. A response plan is being formulated with assistance from Tornado Alley Turbo and CamGuard.

Read more below, or contact Paul at millner@me.com with any questions.

http://www.secure4host.net/upload/files/MDPA_Millner_Stuck_Valve19-11-02.pdf

We must look out for each other ---- MDPA's "safety culture".

JOINT MDPA & EAA CHAPTER 393 THANKSGIVING DINNER & PROGRAM, FRIDAY, NOVEMBER 22, 2019, 6:30PM

by Maureen Bell

Our joint Thanksgiving dinner event with EAA turned out to be a great time for all. As you can tell from the photos we had a large turnout from both groups. Our thanks to Mark Gandrau for taking the photos.

The traditional dinner was well received by the crowd with several people going back for seconds, followed of course by pumpkin or apple pie topped with cream.

Our speaker, Brodie, was excellent. Such an interesting speaker on his time as a pilot, culminating in a CFII and his current position as a sports broadcaster. You could tell the crowd enjoyed it as I thought they would never stop asking him questions.

I am thankful for the help given by those who cleaned up after the evening and to the board members who set up and make the room look so inviting every time we enjoy a dinner

meeting. Next month will be a special time as we will be meeting some veterans who will possibly be entertaining us - ??? – more to follow.



Our speaker Brodie Brazil, EAA President Bill Bower & MDPA President Maurice Gunderson





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Buchanan Field Clubhouse –
200 Buchanan Field Rd Concord
For details visit the Mount Diablo Pilots
Association @ www.MDPA.org

The Mount Diablo Pilots Association is a non-profit organization based at Buchanan Field (KCCR) in Concord, California.

The purposes of the Mount Diablo Pilots Association are:

- To promote good public relations between general aviation enthusiasts and the local community
- To encourage participation in fly-ins and other aviation activities
- To promote safety and educational activities for pilots
- To provide mutual resources of information on flying for members
- To furnish information and support to the Contra Costa Airport Advisory Committee and other governmental agencies concerned with aviation
- To be a proxy on aviation matters of community concern for its membership

MDPA Directors & Officers:

President - Maurice Gunderson
Vice President - Pierre Bidou
Treasurer - Elaine Yeary
Secretary - Maureen Bell
Programs/Guest Speakers - Pierre Bidou
Facilities - DeWitt Hodge

MDPA Managers:

Safety Forums – John Potter
Newsletter & Social Media - Natasha Doktorova
DART Program – DeWitt Hodge
Members' Aviation Oil Program – Vishal Goyal

The MDPA clubhouse is located at 200 Buchanan Field Road in Concord, California,
do not send mail to the clubhouse address, use the USPS address instead:

Mount Diablo Pilots Association
P.O. Box 6632
Concord CA 94524
www.mdpa.org