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SEPTEMBER 2017

Have a Safe Patriot Day!

EDITOR C. ROBINSON



WHAT'S UP? COSMIC GIRL LANDS IN LONG BEACH, Excerpts from the Long Beach Business Journal August 14, 2017

On August 1, Virgin Orbit welcomed home Cosmic Girl, the Boeing 747-400 rocket launch platform that will be used to launch small satellites into orbit. "Long Beach has long been the home of aerospace innovation, and we are thrilled that after months of significant modification work, Cosmic Girl, our first stage to orbit, is finally home," Dan Hart, president of Virgin Orbit, said. "Virgin Orbit is the home stretch of integrating our LauncherOne rocket and ground systems for launch and to support our customers' missions. Thanks to the support of the City of Long Beach and the Long Beach Airport, we employ and partner with some of the most talented aviation and aerospace engineers and technicians in the country. We look forward to keeping Long Beach's aerospace heritage vibrant and enabling our customers to achieve space access." Cosmic Girl will carry the LauncherOne to an altitude of approximately 35,000 feet before releasing it for its flight to orbit. The first flight is set to occur in the first half of 2018. "The arrival of Cosmic Girl to Virgin Orbit in East Long Beach is an exciting step forward for the future of aerospace in our city," Mayor Robert Garcia said. "We look forward to making Long Beach and Virgin Orbit leaders of job growth in STEM." Virgin Orbit was founded by Sir Richard Branson and owned by the Virgin Group and Aabar Investments. According to a company statement, "Virgin Orbit and its sister companies – Virgin Galactic and The Spaceship Company – are opening access to space to change the world for good."

Virgin Orbit's headquarters is in the Douglas Park area of northeast Long Beach, and Cosmic Girl is a major part of that company's effort to develop a relatively inexpensive method of shooting satellites into orbit. The company's plan is for Cosmic Girl to carry a rocket, dubbed LauncherOne, under its left wing in order to be fired into space while the aircraft is in flight.



AIRWORTHINESS DIRECTIVE 2017-16-11

Last month the Federal Aviation Administration issued an emergency airworthiness directive (AD 2017-16-11) that required aircraft with Lycoming engines, within 10 flight hours, to inspect and possibly replace affected connecting rod small-end bushings in Lycoming engines overhauled between November 2015 and February 2017. The AD was published using emergency rules where the administration determined "An unsafe condition exists that requires the immediate adoption of this AD" and which waive mandatory notice and comment periods.

Of course the club had three engines that were overhauled within the 15 month period that the Lycoming factory sold the faulty bushings. However, our awesome mechanics were able to open up the engines, remove and replace the errant parts, and get us flying again without too much interruption in our flight schedules.

MARSHALL MICHAELIAN

Long time friend of the club, Marshall S. Michaelian, DDS, age 71, died on August 3, 2017 near Sacramento, CA. He was born in Monterey Park, CA on August 21, 1945.

The FAA reported the flight departed on August 03, 2017 from Auburn Municipal Airport with a planned destination of San Carlos Airport when investigators believe the pilot attempted an emergency landing at McClellan Airfield.

Visual meteorological conditions prevailed and a flight plan had not been filed; the pilot was receiving flight following advisories. The single-engine experimental Michaelian Lancair IV-TP, N420M, experienced a loss of engine power while on approach to Mc Clellan Airfield, Sacramento, California. The commercial pilot, was the sole occupant of the airplane. Witnesses reported the airplane suddenly made a sharp turn to the right and disappeared into the trees. Powerlines near the area had markings consistent with the airplane having made contact with the wire.

Michaelian is being remembered for his giving-spirit and passion for flying. He was a volunteer for Angel Flight, a non profit organization whose mission is to arrange free air transportation in response to health care and other compelling human needs. He had flown 28 missions, flying children with burn scars and hearing impairments to special needs camps in his plane.

In 2004, Dr. Michaelian, after 12 years of work, completed building a Lancair IV-PT, a high-performance plane, the envy of the airport, and Marshall's pride and joy. The FAA requires home-built aircraft be certified and pass annual airworthiness inspections. Homebuilt aircraft must first receive an airworthiness certificate which can be obtained after 40 hours of flight time that prove it is "controllable." Even with a certificate, pilots may not fly over populated areas unless they are in the process of landing at or taking off from airports. Homebuilt aircraft must undergo the same annual or 100 flight-hour, whichever comes first, inspections as aircraft with standard airworthiness certificates. In addition to his commercial license, Marshall also held an airplane multiengine land certificate and a repairman experimental aircraft.

In lieu of flowers the family requests donations in his memory to: Angel Flight, Inc. (Dr. Michaelian Angel Memorial Fund) (www.angelflight.com).

FAA and NTSB inspectors are reviewing the crash.

BIG BEAR: DENSITY ALTITUDE? Submitted by BOB HARTUNIAN, Big Bear-Based Pilot/Correspondent

The weekend of July 29 was a sad time here in Big Bear because of a C-172 that crashed on takeoff, resulting in two fatalities. A young couple had a rented plane from Apple Valley which was loaded with baggage. At this writing, we don't know if the pilot correctly leaned the engine for the 8800' density altitude at 2pm. or whether the plane was overloaded. An observer at the airport who watched the plane depart eastward, saw the nose at a very high attitude hanging on the prop, with wings wallowing.

It made a right bank off runway 8 and went down.

A C-172 can make it out of Big Bear on a warm day but everything has to be right, like engine performance, lower gross weight and pilot procedures. It's good policy to keep the nose flat while in ground effect to gain speed and then raise it for climbout when a lift margin has built up. The NTSB will investigate and try to conclude what happened.



ACCOMPLISHMENTS!!!

JERVIN BARCENAS	First Solo	C-172	CFI JUN WATANABE
OMAR GONZALEZ	First Solo	C-152	CFI JUN WATANABE
GEREMY HUTSON	First Solo	C-172	CFI REED NOVISOFF
MATT LANCE	First Solo	C-172	CFI REED NOVISOFF
KRISTINE UNG	First Solo	C-152	CFI HANK SURFACE
BRENDEN ENGELEITER	Private	C-172	CFI GREG STEUBS
MATT GEHRING	Private	Warrior	CFI GREG STEUBS
XUE YI (JESSICA) WU	Private	C-152	CFI KOJIRO UENO
JAE-WOOK CHO	Instrument	C-172	CFI RICHARD GARNETT
TAE YUB LEE	Instrument	Arrow	CFI RICHARD GARNETT
JOE MISHURDA	Instrument	Archer	CFI GREG STEUBS
BRADLEY ORR	Instrument	Warrior	CFI GREG STEUBS
JANUAR KUSUMA	Commercial Multi	Seminole	CFI JOHN CAMPBELL
APRIL HYEKYOUNG PARK	Commercial Multi	Seminole	CFI JOHN CAMPBELL
BRANDON RIOS	Commercial Multi	Seminole	CFI JOHN CAMPBELL
BRIAN WROBLEWSKI	CFII	C-172SP	CFI JOHN CAMPBELL

NEW & REJOINED CLUB PILOTS!



- RYAN BRIGGS
- KEVIN CHENG
- AVNER FRIEDMAN
- ROLDAN GALLARDO
- TASIER HILO
- YONGJUN KIM
- MARGIT KOSZEGI
- GARY LOZOHHE
- MISHA MALIKSI
- CHRISTOPHER MARTINEZ
- CESAR MORAN
- FRANK MURRAY
- BRIAN NICHOLS
- ROBBIE M PANOPIO
- COURTNEY STEIN
- RYAN TRAN
- STEVIE TU
- HAMILTON WANG
- LINDA WRIGHT
- BINGXIN ZHAO



HAPPY SEPTEMBER BIRTHDAYS

- RANSON ALMEIDA
- ANDREW CUEVAS
- RANDALL FERGUSON
- SHAWN GILL
- GIOVANNI GOMEZ
- MONTY GROUTAGE
- DAENG HADIKUSUMO
- JASON HAYN
- GEREMY HUTSON
- YONGJUN KIM
- TIM LAU
- ALBERT LEE
- TAE YUB LEE
- DAEGEUN CHARLES LIM
- ERIC LUEVANO
- GEORGE MCLAIN
- KEVIN MERRILL
- ABHISHEK MUDGAL
- BRIAN NICHOLS
- SO YUN PARK
- TED PEARSON
- MICHAEL PIRCHER
- JOSE ROMO
- JARED SAVAGE
- HANK SURFACE

CONGRATS to KOJIRO UENO, top CLUB CFI for August logging the most hours of dual given in club aircraft! Runners-up were RICHARD GARNETT and JOE DEL RIO!

TOP GUN AWARD goes to BRYAN CHAO for logging the most flight hours in club aircraft in August! Runners up were MICHAEL WHITEHURST and TAE YUB LEE!!!

CONGRATULATIONS CLUB ALUMNI VAUGHAN DEHART: I'd like to thank you for the awesome flight instruction I received at LBFC. I was hired by Endeavor Air earlier this year to fly the CRJ200/900. I couldn't have reached that goal without LBFC." Congratulations on your job!!! Thank you so much for letting us know!

NOTAM: Club pilots wishing to submit articles for our monthly newsletter are greatly appreciated! Many thanks to BOB HARTUNIAN for the help with this month's newsletter!

NEW EDITION OF DICTIONARY OF AERONAUTICAL TERMS PUBLISHED

The sixth edition includes terms from Title 14 of the Code of Federal Regulations, glossaries from FAA handbooks, advisory circulars and manuals, the Aeronautical Information Manual (AIM) and Pilot/Controller Glossary, as well as definitions not found in government publications. New terms specific to the space and unmanned aircraft (drone) industries have been added, and tables and lists are included in appendices.

12 MILES AWAY, A WORLD APART from www.generalaviationnews.com

September 5, 2017 — As the crow flies, Santa Monica (SMO) and Van Nuys (VNY) airports are just 12 nautical miles apart. But they might as well be on different planets. While Santa Monica seeks to spend \$3.5 million to shorten their runway by 1,500 feet, more than a third of the runway length, Van Nuys is crowing – rightly so – about a number of achievements and accolades.

VNY's August 2017 newsletter – Van Nuys Airport Flight Tracks – brags that “activity levels continue to be indicative of positive economic growth, capital improvement projects are moving forward” and the airport just recently achieved Airport Carbon Accreditation Level 2,” which recognized airports for reducing – and ultimately neutralizing – their carbon footprint.”

The VNY newsletter also highlighted that a three-year, \$45 million rehabilitation of Taxiways Alpha and Bravo is in the works; the airport played host to the American Association of Airport Executives conference in August; a successful week-long Aviation Careers Education (ACE) Academy summer program; and more.

Reducing the length of the runway at SMO will reduce jet traffic by 44% and bring “immediate relief to neighboring residents through reduced noise and pollution,” the story quotes city officials. Construction is set to begin this fall and be completed by the end of 2017, officials said. SMO will also be closed often from October through November from 9 p.m. to 7 a.m., Monday through Friday, the story says, noting the airport is now open 24 hours a day for landings.

So close by... yet worlds apart. Sigh.

FLY-IN TO MISS AMERICA PAGEANT from www.generalaviationnews.com

A new post on MyChamplainValley.com reports that Miss Vermont was the first ever Miss America contestant to fly herself to the pageant in Atlantic City.

“I get to go to Miss America, a once in a lifetime experience, and I get to fly myself there, another thing I love to do. It's a win win all around,” said Erin Connor, 22, a pilot since the age of 16. Miss Vermont did not win the competition but she had the best travel plans of all the contestants!



OMAR GONZALEZ
First Solo



GEREMY HUTSON
First Solo



MATT LANCE
First Solo



<<< KRISTINE UNG
First Solo



APRIL HYEKYOUNG PARK
Commercial Multi

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We stock a host of aviation books, shirts, charts, and other pilot supplies, along with aviation-themed Christmas tree ornaments, mugs, clocks and more!

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GIVE THE GIFT OF FLIGHT!

A Long Beach Flying Club gift certificate for any denomination you wish, be it for the first flight, pilot supplies, or aircraft rental, makes a great gift for any occasion!

There are three ways to obtain the gift of flight:

1. Stop by and pick up a gift certificate during our office hours (8:30 am to 4:30 pm daily). You can purchase accessories to go with the gift certificate such as a visor, aviation mug or LBFC logo shirt.
2. We can send you a preprinted gift certificate for any denomination you wish -- just give us a call! We'll charge your credit card and get the gift certificate in the next out-going mail or email.
3. Download a gift certificate from our website:

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It's just that easy to give a unique and treasured gift. Keep it in mind for upcoming birthdays or anniversaries!

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\$99 for one, two or three in a C172 or Warrior

Fly with an FAA Certificated Flight Instructor - you fly the aircraft!

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\$195 for a 60 minute tour for 1, 2 or 3 people

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