



# FLIGHT

## THE UPS AND DOWNS OF AVIATION

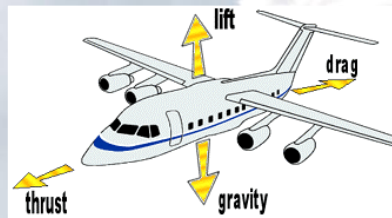
Presented by: Bruce Phillips

**Two Mondays: September 11 and 18**  
**1:00 – 3:30 p.m.**

805-967-6030  
vistas@vistaslifelonglearning.org

Bethany Congregational Church,  
556 N. Hope Avenue, Santa Barbara

Ever wonder why humans always wanted to fly, despite being ill-equipped for it? Was it envy of birds? Certainly, early human efforts to do so relied on studying birds and trying to fly as they do; these resulted in outcomes sometimes comedic and all too often injurious or fatal. Now, however, more people than ever board airplanes. In these two sessions, we will discuss the following subjects: (i) a brief history of aviation, (ii) the forces acting on an airplane during flight, (iii) airplane devices and instruments employed to maintain safety, (iv) ground-based services, including radar surveillance, available to aircraft on the ground and in flight, and (v) mistakes made by pilots and air traffic controllers that contribute to accidents. Lastly, we will consider the role of the FAA in maintaining safety for airplanes during ground and flight operations.



PLEASE REVIEW THE STATEMENT ON THE OTHER SIDE OF THIS FLYER REGARDING VACCINATION REQUIREMENTS.

**Preferred registration deadline\* : September 4, 2023**

\*Early enrollment helps us with our planning; also, those who register by the preferred deadline will be given priority in case of over-enrollment.

### Enrollment form: **Flight: The Ups and Downs of Aviation**

Mondays, September 11 and 18

**VISTAS members \$30; non-members \$45**

➤ **EITHER pay online** on our website by secure credit card through PayPal:  
<https://www.vistaslifelonglearning.org/current-courses>

➤ **OR mail this form** and your check to: VISTAS Lifelong Learning, Inc.  
P.O. Box 23228, Santa Barbara CA 93121

Number of persons \_\_\_\_\_ \$ \_\_\_\_\_ Check # \_\_\_\_\_

Name(s): \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

*It is understood that attendance is limited to those who are fully vaccinated against Covid-19.*



*Bruce Phillips learned to fly for one reason: extreme fear. In 1973, he overcame his affliction by learning to do it himself. Five years after receiving his private pilot's license, he became FAA-certified to fly in inclement weather (not tornados or other severe conditions—that'd be crazy!) using flight instruments alone. To learn more about aviation and gain perspectives, he sat in the cockpit of a commercial airliner during a commercial flight (thank you, KLM) and visited with an Air Traffic Controller on the job at Pittsburgh International Airport—exciting stuff!*

### IMPORTANT COVID-19 POLICY

The health and safety of our attendees and their families are of utmost importance to us. **Accordingly, we are limiting attendance to those who are fully vaccinated.** Proof of vaccinations and boosters (digital Covid-19 Vaccination Card or a photo of your printed card) must be sent to our business manager via email ([vistas@vistaslifelonglearning.org](mailto:vistas@vistaslifelonglearning.org)) or text (805-967-6030). Participants may also be asked to show vaccination status on the first day of each course in case our records are incomplete. This needs to be done only once—your proof of vaccination will remain valid for all VISTAS events. We appreciate your understanding and cooperation.

## VISTAS Fall 2023 Calendar

**SUBJECT TO CHANGE; for up-to-date information, visit our website ([VistasLifelongLearning.org](http://VistasLifelongLearning.org)) frequently!**

Course / Event	Date(s)	Time	Venue
Annual Fall Picnic	Saturday, September 9	12:30 pm	Tucker's Grove
Fiction Book Club / Sharon Alvarado	3rd Thursday monthly	10:00 am	Bethany Congreg. Church
Monday Nonfiction Book Club / Dawn McGrew	4th Monday monthly	1:30 pm	Via Zoom
<b>Flight—Ups and Downs of Aviation / Bruce Phillips</b>	<b>Mon. Sep. 11 and 18</b>	<b>1:00 pm</b>	<b>Bethany Congreg. Church</b>
Impact of Railroads on Am. Music / Norm Cohen	Wed. Sep. 13, 20, 27, Oct. 4	9:30 am	Bethany Congreg. Church
Legendary Foods of France and Italy / Larry Canepa	Fri. Sep. 15 and 22	10:00 am	Via Zoom
Women behind Walls / Bee Bloeser	Thur. Sep. 28	9:30 am	Bethany Congreg. Church
Rethinking Obesity / Dr. Fima Lifshitz	Tues. Oct. 3	9:30 am	Valle Verde
Money in America's Political System / Ted Anagnoson	Mon. Oct. 16, 23, 30	9:30 am	Bethany Congreg. Church
The Nature of Time / Jim Hemmer	Wed. Oct. 18	9:30 am	Bethany Congreg. Church
Pirates! / Peter Beuret	Thur. Oct. 26	9:30 am	Bethany Congreg. Church
History and Development of the Bible / Norm Cohen	Fri. Oct. 27, Nov. 3, 10, 17	9:30 am	Venue TBD
The US in the World: A Top-10 Summary / D. Stowell	Tues. Oct. 31	10:00 am	Via Zoom
Thirty-Six Years in the CIA / Heidi August	Mon. Nov. 6	9:30 am	Bethany Congreg. Church
<i>Sitting Bull: In His Own Words</i> / J. Ferry & G. DeSoto	Wed. Nov. 8	9:30 am	Valle Verde Theater
Church Music in the 16th Century / Henry Michaels	Mon. Nov. 13, 20, 27	10:00 am	Via Zoom
"The Opulent Summer" Mural / C. Garfinkle	Wed. Nov. 15	9:30 am	Bethany Congreg. Church
Combating Human Trafficking / Florrie Burke	Fri. Dec. 1	9:30 am	Bethany Congreg. Church
Women Architects of S.B. / Rose Thomas	Mon. Dec. 4, 11	1:00 pm	Bethany Congreg. Church
Science Behind the Botanic Garden / S. Windhager	Wed. Dec. 6	1:00 pm	Santa Barbara Botanic Garden