

# CAÑADA COLLEGE LIBRARY NEWSLETTER

## Citizenship Corner

The library now offers a Citizenship Corner featuring free materials in several languages as well as books for checkout on the naturalization test, immigration, and other topics. Some of the books are:

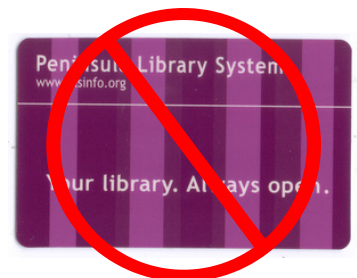
- [Pass the Citizenship Test! Everything You Need for Success!](#)
- [U.S. Immigration Made Easy](#)
- [Becoming a U.S. Citizen: A Guide to the Law, Exam & Interview](#)
- [Becoming a Citizen: Incorporating Immigrants and Refugees in the United States and Canada](#)



Please let us know if you have any questions.

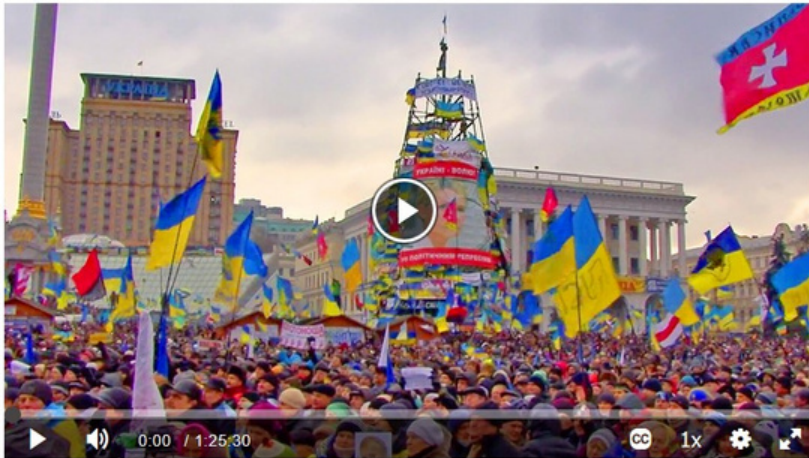
## ***Public Library card no longer needed to access Cañada Library resources?***

That's right! As of 2020 you no longer need a Peninsula Public Library Card to check out material like textbooks, Chromebooks, or WiFi hotspots, or to access online library databases. To check out material all you need is your G# and a photo ID. To access online library databases all you need is your OneLogin user name and password, the same ones you use to get into Canvas.



# Understanding Ukraine

## Documentary: The Long Breakup

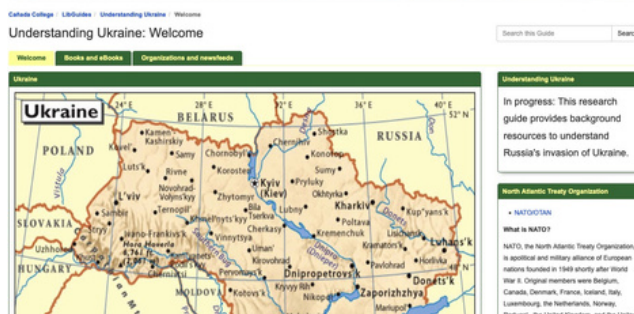


This program explores Ukraine's struggle to escape Russia's embrace, leave its Soviet past behind, and become a truly independent country. Ukrainian-American journalist, Katya Soldak, of Forbes Magazine, tells the story of her home country as it exits the USSR, works through two revolutions, and endures a war with Russia — all through the eyes of her family and friends in Kharkiv, a large Ukrainian city only 18 miles from the Russian border.

You can watch more videos about Ukraine on [Films on Demand](#) and [Kanopy](#).

## Library Research Guide

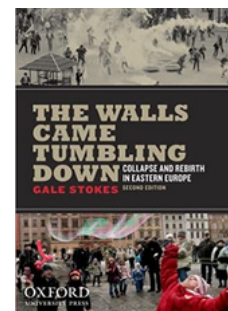
Learn more about Ukraine in our [online research guide](#).



## Books and eBooks



[My Ukraine: A Personal Reflection on a Nation's Independence and the Nightmare Vladimir Putin Has Visited Upon It](#)



[The Walls Came Tumbling Down: Collapse and Rebirth in Eastern Europe](#)

## Russia-Ukraine War in statistics

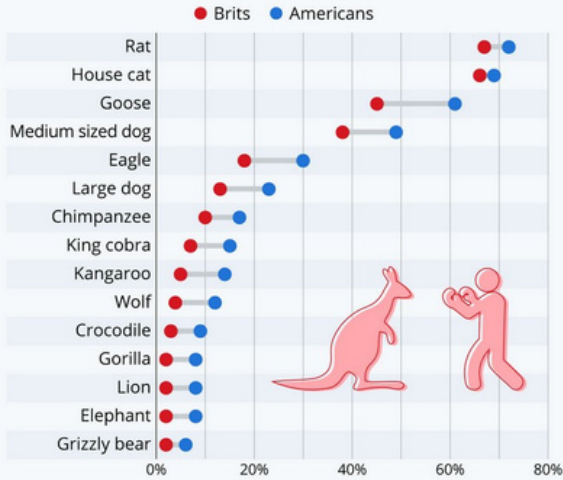


[Statista](#) has collected up-to-date facts and statistics about the Russian invasion of Ukraine including information on refugees, military spending, economic impact, and international reaction.

[Click here to view the facts and stats.](#)

## Which Animals Could You Beat in a Fight?

"Which of the following animals, if any, do you think you could beat in a fight if you were unarmed?"



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# NEW YORK TIMES AND WALL STREET JOURNAL

## Free access for Cañada students and employees!

Get reliable news on the most recent national and international current events.



Cañada College Library offers online *New York Times* accounts for all students, staff, and faculty, including unlimited access via tablets and smart phones.

**Click the *New York Times* logo above to set up your account.**

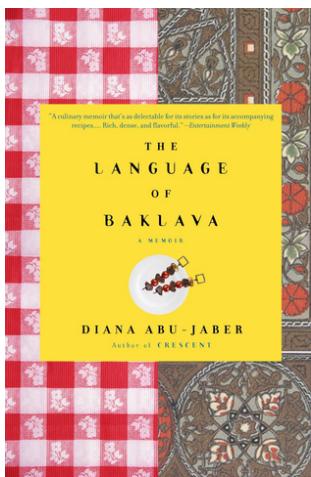
*The Wall Street Journal* is a news source that focuses on business issues but also includes articles on society, politics, art, cultural, and more.

**Click on the *Wall Street Journal* logo below to get access.**

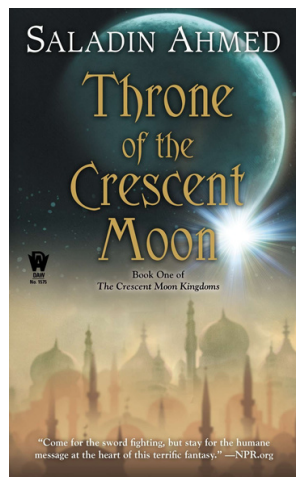


# ARAB AMERICAN HERITAGE MONTH

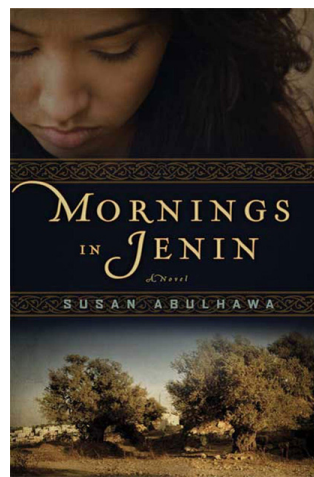
## Books by Arab Americans



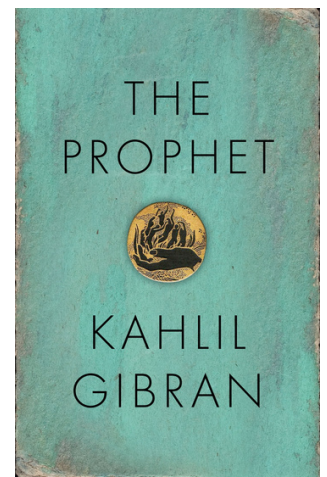
Diana Abu-Jaber's vibrant, humorous memoir weaves together delicious food memories that illuminate the two cultures of her childhood—American and Jordanian.



First in a series by fantasy author Saladin Ahmed. In the midst of a political upheaval a series of supernatural murders calls to Doctor Adoulla Makhslood to postpone his retirement and uncover the truth.



Mornings in Jenin is a multi-generational story about a Palestinian family. We follow the Abulhejo family as they live through a half century of violent history.



The Prophet is a book of 26 prose poetry fables written in English by the Lebanese-American artist, philosopher and writer Kahlil Gibran.

## More Resources



The [Arab American Foundation](#) is a non-profit educational and cultural organization established in 2019. The mission of AAF is to promote the Arab heritage, educate Americans about the Arab identity, and to empower and connect Arab Americans with each other and with diverse organizations across the U.S.



The [Arab American Institute Foundation](#) is a national civil rights advocacy organization that provides strategic analysis to policy makers and community members to strengthen democracy, protect civil rights and liberties, and defend international human rights.

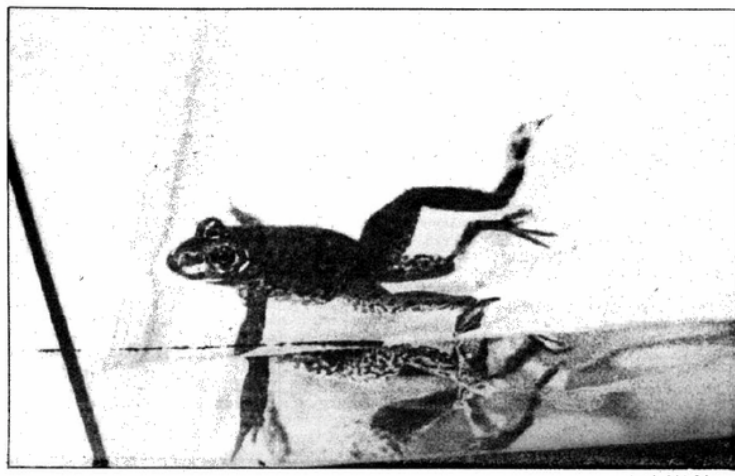
# Weatherpane



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Canada's own five-legged frog needs a name. See page 6 for details. Photo by Sylvia Solarono



## —Five-legged frog— —Is quirk of Nature—

By Stephen E. O'Mara

A five legged frog. A quirk of nature brought to you by mistake. During growth studies with frog larva (tadpoles), anatomy instructor Dr. Gordon Simmons noted, "something strange about one of them."

The extra leg is well formed, looking exactly like a frog leg. However, it lacks a proper nerve system and is non-functional.

Although Dr. Simmons does studies in frog metamorphosis, this is not his creation. Simmons suggested the frog's fifth leg might have been a result of natural gene duplication, suppression or reactivation of genetic messages during a critical phase of metamorphosis.

Gene duplication is simply a gene copying itself. Suppression is a failure to complete a genetic message due to some other influence. Reactivation occurs after a message has been completed and is reactivated.

The reasons behind the creation of the frog's fifth leg is what genetic research is all about. Researchers intentionally alter genetic messages in order to create their own "fifth leg."

Genes are found in every living cell. Genes are composed of chains made of deoxyribonucleic acid (DNA). It is DNA that carries instructions as to what each cell

will do, by a series of complicated chemical messages.

Occasionally, in nature and intentionally in laboratories the messages are mixed up. When the genes of our five-legged friend were activated to create the usual set of four legs, the messages became confused and the fifth leg developed.

The genetic DNA research is known as recombination and is the most rapidly developing bio-science in the world today. Relatively new, genetic studies began after WW II and currently cover a wide area of fact and fiction.

Recombinant DNA is the process of breaking apart chains of DNA, a chemical carrying genetic information, and recombining them in various ways.

This recent recombination process was developed by Stanford medical researchers.

The process is similar to a jeweler's expanding ring. Cutting a section from the ring, a new piece is added and the ends welded together.

Chemically, biologists insert a piece of DNA carrying genetic information of one organism into the ring of DNA from another organism.

The results of this recombination are clones or copies of the parent DNA ring. The task of

isolating the DNA, cleaving the chain and recombining the two new links takes less than one week.

How will this effect the average person? In the areas of medicine, agri-business, industry, law and marketing.

Medicine could benefit from products such as insulin, growth hormones, blood clotting, cancer research and vaccines from the recombination process.

Researchers of the University of California's Medical center in San Francisco and the City of Hope National Medical Center, near Los Angeles, announced Dec. 2, they have successfully produced a human brain hormone by DNA recombination.

The Hormone, somatostatin, shows proof that recombine bacterial manufacturer of hormones such as insulin can be done safely.

One of the developers of the recombine process and a leader in the discovery of the hormone somatostatin, Dr. Herbert Boyer, is a co-founder of Genetech Inc., which paid for the hormone research.

Genetech Inc., a Bay Area company, has applied for a patent on the hormone production process. If granted Genetech has plans for marketing the new technology.

Continued to page 6

## Quirk frog

Continued from page 1

The company hopes to be able to market insulin under such a patent within 12 months.

Last October, the U.S. Court of Customs and Patent Appeals granted Upjohn Co., a pharmaceutical manufacturer, a patent on a microorganism under a new ruling classifying new forms of life as industrial tools.

According to the new court ruling, "Microorganisms have come to be important tools in the chemical industry."

Medical, scientific, legal and public concerns are encouraged by the results of recombination, but are equally anxious to know the dangers as well as the benefits on recombine DNA research.

In this series, a closer look will be taken at what the recombine DNA process is, how the microorganisms are contained, the differing guidelines for researchers, patents and marketing.