

The Bulletin

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fredtorch.org

The Torch Club of Frederick, Maryland



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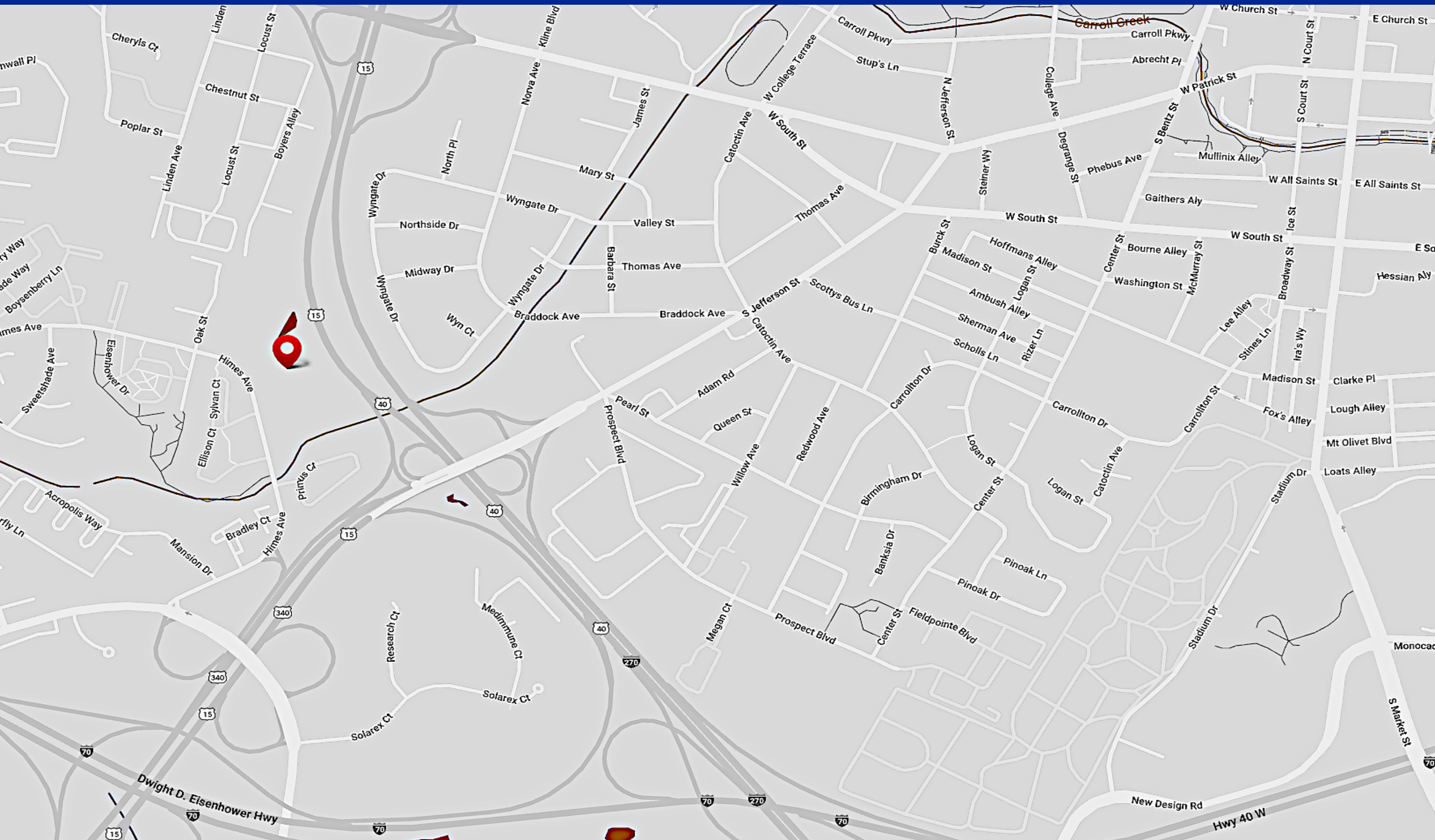


Frederick Torch Lunch Meetings at Dutch's Daughter

As expected consideration of others, lunch attendees must be fully vaccinated and boosted, which also applies to guests and new members. Zoom meetings may be required when county or state pandemic warnings limit in-person attendance.

Dutch's Daughter

581 Himes Avenue, Frederick, Maryland
301 | 668 | 9500



Next Presentation

May 22, 2023

Michael Procaro on "Why the Neutrino Should Be Your Favorite Elementary Particle"

The neutrino, oddball of the elementary particles, is very different from all the other particles in many ways. It has much less mass than the others and even a different reason for its mass. It only interacts through the weak nuclear force, so it is very hard to observe. It can change its identity as it travels through space. All of these properties cause particle physicists to have a love-hate relationship with neutrinos. They are so hard to measure, but they are always surprising physicists when they do succeed at measuring them.

This Month's Presenter

Michael Procaro

Michael Procaro graduated from the University of Pennsylvania and received his Ph.D. in physics from the University of Wisconsin. He was a postdoctoral researcher with Harvard University before joining the faculty at Carnegie Mellon University for ten years. He has been at the US Department of Energy's Office of High Energy since 2000 and now serves as its Director of Scientific Facilities. He oversees the operation of scientific facilities for high energy physics as well as the construction of new ones.

Most Recent Presentation

Frank Sledge on "The Key to a Harmonious Pitch for a Uniform Musical Scale"

Frank provided us with a fascinating discussion of how mathematics opened the way to the eight-note musical scale that permitted uniformity of music across instruments, composers and venues, and led to the canon of symphonic music of today. The breakthrough was the use of logarithms to ensure the same proportional change in frequency from one note to the next higher one such that each octave exactly doubled the frequency of the last, a natural phenomenon that has been referred to as the "basic miracle of music." This replaced an approximation long used that annoyed the ear and held back the development of music.

Lunch Sign-up

Atending or not, please let Reservations Chair John Hewetson know and, if you plan to attend, your seating requests and the names of your guests. Please respond to John at torchreservations@gmail.com with “Torch” in the subject line of your email, or call him at 301.663.8130.

Sign-up Deadline— Preferably one week before the lunch but later OK

Cost— \$30 per person (also payable if a signed-up no-show)

Cancellations— Email the address above before the day of the dinner.

Need a Lift?

Transportation Chair Frank Sledge invites you to get in touch with him and he will do his best to arrange your transportation to and from club dinners. Reach Frank [here](#) or at 301.980.2019.

New Members



At our next lunch, be sure to welcome new club members **Avis Anderson, Alexandra Stone, Gail Osburn, Margaret and Michael Procaro, Fanny Johnson, RoseAnn Lester, Jean Thompson, Peg Denton, Jim Gordon, Sharron Smith, Lois Jarman and Phil Hoagland.**

As one of the largest of the 60+ Torch clubs, our success relies on strong recruiting. Our membership slipped 24% during Covid but is now rebuilding nicely so please do invite your acquaintances who enjoy stimulating company and fascinating presentations to attend a fine club dinner or two and then to join.

Club Membership Chair Toni Clarke is here to help. Reach Toni at toniclarke101@gmail.com or at 301.606.2694.

For more information and to download the club membership

2022-23 Presentations

September - December

Many thanks to last year's Program Chair Angeline Gaffigan for lining up the following presentations for the 2022-23 Torch year.

September 26, 2022- John Clarke on "An Absurdly Short History on the 'Art' of Solving Equations"

October 24, 2022- Bob Ladner on "Molecular Recognition and Why It Matters"

November 21, 2022- Captain Dana French on "Vietnam Boat People Rescue"

December 19, 2022- John Menke on "The Secret Lives of a Physicist as Told by His Bookshelves"

2022-23 Presentations

January - May

January 23, 2023- Ed Seidewitz on "Wake Up and Smell the Coffee!"

February 27, 2023- Lois Jarman on ""The Injustice of Incarceration"

March 27, 2023- Archer O'Brien on "A History of the American Left"

April 24, 2023- Frank Sledge on "The Key to a Harmonious Pitch for a Uniform Musical Scale"

May 22, 2023- Michael Procaro on "Why the Neutrino Should Be Your Favorite Elementary Particle"

2022-23 Board of Directors

Welcome

President Norine Haas and the club's board of directors hope you enjoy this year's interesting programs. The following members are serving as your 2022-23 directors and committee chairs.

Elected Officers

President	Norine Haas
Vice President	John Hewetson
Secretary	Peter Michael
Treasurer	Claire Kondig

Committee Chairs

Assistant Treasurer	John Kondig
Program Chair	Norine Haas
Presentation Support	John Clarke
Reservations Chair	John Hewetson
Membership Chair	Toni Clarke
Transportation Chair	Frank Sledge
Website Editor	Meg Menke

Club Archives

Torch Club of Frederick *Bulletin*

Past issues beginning with October 2017 are archived and may be viewed, downloaded or printed [here](#).



2022-23 Program and Member Roster

The *2022-23 Program* and the club's *Member Roster* are updated regularly. View, download or print [here](#).



The Club Website

Board meeting minutes, past presentations and more may be reached at the club website [here](#).



Member Survey

Survey results may be viewed, downloaded or printed [here](#).