

Official publication of the Philadelphia Section, ACS http://phillyacs.org

Special Issue 2020 Volume 105, No. 3



ACS National Meeting and Expo Macromolecular Chemistry: The Second Century March 22 - 26, 2020 | Philadelphia, PA

HIGHLIGHTS	
Welcome from the Philadelphia Section of ACS	35
Getting Around in the Philadelphia Region	36
Philadelphia Restaurant Guide	44
Arts and Culture During the National Meeting	55
Philadelphia Movie Trivia Quiz	64
Shopping in Philadelphia	66

ACS Philadelphia Section
Founded April 15, 1899

STAFF

EDITOR-IN-CHIEF

Robin S. Davis

EDITORS

News Atoms: Alan Warren Proof Editors: Anthony Addison

> Georgia Arbuckle-Keil Kendra Luther Corrie Kuniyoshi Marge Matthews Alan Warren

ADVERTISING MANAGER

Victor Tortorelli

COMMUNICATIONS COMMITTEE

Chair: Lee Hoffman
Anthony W. Addison
Georgia Arbuckle-Keil
Matthew Bodek
Robin S. Davis
Alan Heldon
Corrie Kuniyoshi
Kendra Luther
Marge Matthews
Liliana Suárez
Victor Tortorelli
Alan Warren

CONTENTS

Welcome from the Philadelphia Section of ACS	35
Getting Around in the Philadelphia Region	36
Jump Start Your Career	40
A Local Section History: The Philadelphia Story	41
Looking for Comestibles in Philly, VII	44
Renew Membership Dues at a Discount	53
Kids Zone: A Hands-On Science Event	54
Arts and Culture in the Philadelphia Area	
During the National Meeting	55
Career Networking & Professional Development	62
Philadelphia Movie Trivia Quiz	64
Shopping in Philadelphia	66
Directory of Services	68

Published monthly except July, August and December by the Philadelphia Section of the American Chemical Society. All views expressed are those of the editors and contributors and do not necessarily represent the official position of the Philadelphia Section of the American Chemical Society. Editorial matters should be sent to the attention of the Editor-in-Chief c/o the Philadelphia Section ACS, Department of Chemistry, University of Pennsylvania, 231 South 34th Street, Philadelphia, PA 19104-6323 or PhilaACS@gmail.com.

Advertising: Victor Tortorelli, vtortorelli@ursinus.edu

Comments From the Chair



Joe Martino III

On behalf of the Board of Directors of the ACS Philadelphia Section, I would like to extend to you a warm welcome to Philadelphia and to the 2020 ACS Spring National Meeting.

Philadelphia is the cradle of liberty and the birthplace of our nation, but even more than that, Philadelphia is a city of hard-working people with a unique determination and grit. For chemists, determination and grit are the foundation of the execution of scientific research, so

it is fitting that we celebrate chemistry here in this historic American city.

This city, founded by William Penn, is home to the University of Pennsylvania, where outstanding research takes place daily. It is the home of prominent chemical manufacturers such as Dow Chemical and Arkema – both of which have deep roots in the Philadelphia area through their respective predecessors, Rohm and Haas and Pennwalt. In 1830, John K. Smith opened a pharmacy in Philadelphia, which grew to become what we know today as GlaxoSmithKline. Thirty years later, John and Frank Wyeth established another Philadelphia drugstore with a research laboratory, which became Wyeth Pharmaceuticals, now a part of Pfizer. The Science History Institute (www.sciencehistory.org), located in the heart of Old City Philadelphia, curates the history of chemistry, with its Othmer Library serving as the custodian of many of the earliest texts of our profession.

No doubt, the history of Philadelphia plays an important part in the history of the United States. It is here where the Declaration of Independence was proclaimed at Independence Hall, where the Liberty Bell rang for our freedom, and where our Federal government – which has chartered the ACS itself – was founded. A walk-through Old City Philadelphia is a trip back in time to the days of our nation's birth.

Philadelphia is also a hub of culture. The Philadelphia Museum of Art (philamuseum.org), the Barnes Foundation (www.barnesfoundation.org) and the Pennsylvania Academy of the Fine Arts (www.pafa.org) boast exquisite art collections. The Franklin Institute (www.fi.edu), and the Academy of Natural Sciences of Drexel University (ansp.org) showcase science. The Penn Museum (www.penn.museum) on the campus of the University of Pennsylvania boasts a fine archaeological collection.

Philadelphia loves its sports teams – from the Phillies, Eagles, 76ers, and Flyers – you will never see a city more devoted to, and passionate about, their favorite teams.

And of course, there's the food! From the Italian Market (www.italianmarketphilly.org) in South Philadelphia to the Reading Terminal Market (readingterminalmarket.org) located under the very convention hall where our ACS National Meeting is being held, you will have no worry about finding a place to eat and network with your fellow chemists.

For those of you visiting our beloved city, welcome! For the many chemists who call Philadelphia, Bucks, Chester, Delaware and Montgomery counties in Pennsylvania as well as Burlington and Camden counties in New Jersey home, please know that you have a professional home with the ACS Philadelphia Section! Please feel free to explore our website (philadelphiases.org) or contact the Section at Philadelphiases.org) to learn more about us and how you can help.

At the base of the famous staircase of the Philadelphia Museum of Art, you'll find the statue of Rocky Balboa. Though Rocky is a fictional character, the determination and grit of his story is an elegant summary of what Philadelphia is all about. May this 2020 Spring National Meeting of the American Chemical Society give you the opportunity to share the determination and grit of your own research as well as allow you to learn from the determination and grit of your scientific peers.

Welcome to Philadelphia!

Getting Around in the Philadelphia Region

Accessible Transportation for Persons with Disabilities

All SEPTA buses in Philadelphia are equipped with a wheelchair accessible ramp that extends from the front door and/or kneeling step. Two wheelchair spaces are provided on each bus and there are securement straps to ensure that the wheelchair is secured for the trip.

Be advised that at peak times of the day and at busy tourist destinations it may be difficult or impossible to board vehicles due to overcrowding.

SEPTA has over 100 accessible stations. Many of the stops on the Broad Street and Market-Frankford lines are NOT accessible because they lack elevators or escalators at the station stops. Accessible stations are identified by a wheelchair symbol next to the station's name on all web schedules, printed timetables and system maps.

Before traveling, visitors with disabilities are STRONGLY advised to call SEPTA at (215) 580-7800 (then press 0) or at (215) 580-7853 (TDD) to get assistance with their transportation questions. http://www.septa.org/access/travel.html.

The website https://wheelchairtravel.org/philadelphia/public-transportation/ has an article on Philadelphia Public Transportation with a travel guide that includes updates in accessible hotels, sidewalks, and taxis.

All Regional Rail train cars can accommodate wheelchairs of up to 30" width and 48" length. Accessible Stations have bridge plates that are used to provide wheelchair access to navigate the gap between the trains and the station platforms.

Arriving in Philadelphia

by Air

Philadelphia International Airport provides visitors major access to Center City, the surrounding suburbs and South Jersey. The Airport Line Regional Rail train provides a direct link to Center City and all of its popular attractions.

About the Airport Line and train stops – http://www.septa.org/welcome/airport.html Philadelphia International Airport website – http://www.phl.org

by Train

30th Street Station is a major City and Inter-City rail transit hub. Located between Center City and West Philadelphia, it provides connections to Amtrak, NJ Transit rail service and all SEP-TA Regional Rail lines. 30th street is on the west side of the station (opposite the memorial statue on the east). Amtrak information –

http://www.amtrak.com/servlet/ContentServer?pagename=am/am2Station/Station_Pageandcode = PHL

The BoltBus and Megabus, long distance coach services, are located straight ahead as you come out -- at 30th Street and JFK Boulevard; SEPTA trolleys and the Market-Frankford Elevated Subway Line are to the left on 30th at Market Street.

<u>SEPTA station information</u> - <u>http://www.septa.org/stations/rail/30th.html</u>

<u>NJ Transit Atlantic City Line information</u> – <u>http://www.njtransit.com/rg/rg_servlet.srv?hdnPageAction=LineDetailsTo&selLine=ATLC</u>

by Car

If you are driving to Philadelphia, why not consider parking the car at a SEPTA station and taking public transportation? From outside Center City, many Regional Rail Stations have daily parking so taking the train and connecting with our other transit services in the city is easy.

Parking Tips at Regional Rail stations - http://www.septa.org/parking/tips.html

Getting around within Philadelphia

Visitors On The Go brochure | PDF - http://www.septa.org/welcome/pictures/visitors-on-the-go.pdf. Just strolling Center City Philadelphia? Download our Center City Street and Transit Map (http://www.septa.org/maps/region/pdf/center-city-hotel-directory.pdf), or select another map option from our Maps and Stations (http://www.septa.org/maps/index.html) section.

There are several Apps that can help you navigate travel around the city. The SEPTA Apps for Android and IPhones: http://www.septa.org/service/septa-app.html

Other apps to consider: Transit Tracker; Citymapper; Transit. Two websites that can be useful are GoPhillyGo.org (trip planning for bikes and public transportation) and BicycleCoalition.org.



Southeastern Pennsylvania Transportation Authority

http://www.septa.org

(215) 580-7853 TDD/TTY

SEPTA offers buses, trolley, trackless trolleys, subways, and Regional Rail as transit services. Just about any attraction, historic or cultural site, entertainment venue, hotel, restaurant or event in Center City can be reached by SEPTA services.

Fares: http://www.septa.org/key/faq.html

City bus fares are \$2.50 if paying with cash, or \$2.00 if paid using a reloadable Key Card. Exact change is required and discounts are only available upon presentation of a valid ID. If using the Key Card, transfers to another city bus or to one of the subway lines are just \$1.00.

Tickets are available at each station via the automated kiosk, or from a staffed ticket booth. Single ride trips can be purchased with cash or credit/debit cards for \$2.50. Purchase a reloadable Key Card and you'll receive a reduced fare of \$2.00 per ride, plus the ability to transfer for \$1.00 extra. Key Cards can be reloaded at any fare kiosk

The best travel value is an <u>Individual or Family Independence Pass</u> which provides unlimited travel on SEPTA services for one calendar day for one low fare (\$13.00 individual; \$30 family up to 5 people traveling together).

One Day Individual Pass

Paper (available: at SEPTA Sale Offices and Outlying Regional Rail Stations)

Key Card (available: *online-- ahead of travel*; SEPTA Sales Offices; Fare Kiosks at Center City Regional Rail Stations)

Where can you purchase fares? Five Center City Regional Station Sales Offices: Temple; Jefferson; Suburban; 30th Street; and Penn Medicine (formerly University City) Stations.

Senior Citizen Fares within Pennsylvania: Bus, subway, trolley, Norristown High Speed Line and all Regional Rail lines: rides are **free at all times** for seniors age 65 or older with one of these valid forms of ID: a SEPTA Key Senior Fare Card (photo ID); a valid PA Driver/Non-Driver ID with a magnetic strip on back ONLY. [NOTE: Licenses issued by PennDOT after July 2017 cannot be tapped at the Validator or swiped at the read—they are not valid for Senior

travel.] Out-of-state senior visitors cannot take advantage of Senior fares as Medicare cards are no longer accepted as a valid form of ID.

Senior Citizen Fares Traveling outside the State of Pennsylvania (to New Jersey or Delaware): 50% discount.

SEPTA Regional Rail (including Airport Line)

SEPTA Regional Rail is a commuter rail system consisting of 13 lines serving more than 150 stations in Philadelphia and the region. EACH of the 13 lines stop at these three stations in Center City: 30th Street Station, Suburban Station and Jefferson Station—all of which are wheelchair accessible.

Fares on the SEPTA Regional Rail are based on the distance traveled, with stations organized into six separate zones: CCP (Center City Philadelphia), Zone 1, Zone 2, Zone 3, Zone 4 and, finally, NJ (New Jersey). One-way fares begin at \$3.75 for adults, with discounts offered to children, people with disabilities and seniors.

It is only \$2.00 per ride or \$5.00 for an all-day pass. Children 4 and under and seniors are always Free. The SEPTA pass and key card-holders ride Free.

Transfers

A transfer may be purchased for an additional \$1.00 when a trip requires more than one transit service in the same direction of travel. A re-transfer may also be purchased for an additional \$1.00. The purchase of a transfer must occur when a customer boards the first service used; a re-transfer is purchased on the second service.

Transfers are sold on a bus, trolley, trackless trolley or Norristown High Speed Line onboard; and from a cashier booth attendant on the Market-Frankford Line and Broad Street Line. Additional fare may apply for service on the Norristown High Speed Line.

There are three locations where customers may transfer for free between services. Signs and announcements often refer to this as a free interchange.

- 15th Street/City Hall Station provides a free interchange between the Market-Frankford Line, Broad Street Line and Trolley Lines
- 13th Street/Juniper Station provides a free interchange between the Market-Frankford Line and Trolley Lines
- 30th Street provides a free interchange between the Market-Frankford Line and Trolley Lines



Up to two transfers are permitted for each one-way trip, and transfers are not permitted on trips near the trip's origin.

Transportation To/From New Jersey

PATCO: (Port Authority Transit Corporation)

New Jersey Transit serves the region with 20 bus routes and one train line from Atlantic City. For more detailed info, go to the website:

https://www.state.nj.us/transportation/commuter/trainbus.shtm

PATCO rail service to Center City is also a good alternative to driving and parking downtown. Seven PATCO stations in New Jersey offer ample parking: Lindenwold, Ashland, Woodcrest, Haddonfield, Westmont, Collingswood and Ferry Avenue. Trains run every 3 to 12 minutes on weekdays, 12 to 40 minutes during evenings and up to 40 minutes on weekends. Service is 24 hours a day. Visit http://www.RidePATCO.org for more information.

\$3.10 | SEPTA transfer from PATCO FREEDOM machine only

PATCO and SEPTA have separate fare instruments and policies. However, riders can save money and time by purchasing a reduced fare; round-trip SEPTA ticket from any FREEDOM automated vending machine in New Jersey PATCO stations.

The SEPTA ticket is printed in two portions, one for each trip. The first portion must be used on SEPTA within 60 minutes of being purchased. The second portion of the ticket remains valid for up to 24 hours. Time restrictions are not valid on weekends or major holidays. For additional PATCO information, visit http://www.ridepatco.org.

Jump Start Your Career

At the ACS National Meeting in Philadelphia, several opportunities are available to grow your career.

<u>Personalized Career Advice</u> https://www.acs.org/content/acs/en/careers/personal-career-consulting.html Including mock interviews and résumé reviews at Career Navigator Live! from ACS Career Consultants

<u>Leadership Development</u> https://www.acs.org/content/acs/en/careers/leadership.html Courses that give you the leadership skills necessary to excel in your career

<u>Professional Education</u> <u>https://proed.acs.org/content/proed/en.html</u> Stay competitive and move ahead in your career with professional development and technical training courses

<u>Career Pathways Workshops</u> https://www.acs.org/content/acs/en/careers/career-services/career-pathways.html Workshops that provide career guidance to up-and-coming and professional scientists as they navigate their futures.

To find the complete schedule of these opportunities, please visit our <u>National Meeting Career Development</u> site. (https://www.acs.org/content/acs/en/meetings/national-meeting/events/career-development.html)



A LOCAL SECTION HISTORY: THE PHILADELPHIA STORY

The Territory and Membership¹: The Philadelphia Local Section was initially established in 1899 as a territory enclosed by a circle with a 60-mile radius from City Hall (Broad and Market Streets). As the membership grew, many parts of the original territory were released to newer Sections: notably, the Delaware Section (established 1917); the South Jersey Section (1920); the North Jersey (1925) and Princeton Sections (1927). In the 1940s through 1980s more counties within the Philadelphia Section were ceded to adjacent local sections. The Section is now defined geographically as Philadelphia County and six neighboring counties (Bucks, Chester, Montgomery, Delaware PA and Burlington and Camden, NJ). While the geographical area of the Section has shrunk since its beginning, the membership in the Section has grown substantially, reaching a peak of over 5600 members in the late 1990s. The Philadelphia Section is one of 8 Local Sections in the Society that are categorized as "Very Large"; and current membership in the Section is approximately 4100. The Section is fortunate to have an office--which has been generously provided by the Chemistry Department of the University of Pennsylvania since 1954.

Mission: "The purpose of this organization is to encourage in the broadest and most liberal manner the advancement of chemistry in all its branches; the promotion of research in chemical science and industry; the improvement of the qualifications and usefulness of chemists through high standards of professional ethics, education and attainments; the increase and diffusion of chemical knowledge; and by its meetings, professional contacts, reports, papers, discussions and publications to promote scientific interests and inquiries thereby fostering public welfare and education, aiding the development of our country's industries, and adding to the material prosperity and happiness of our people."

The American Chemical Society.

requests the pleasure of your company,
at the Inaugural address to be,
delivered by the President of the Society.

Prof. John W. Draper.
at Chickering Hall, on Thursday Soviet of at PM.

Science in Americal.

Admit Gentleman & Ladies.

¹ Contents extracted from various authors in the Catalyst Centennial Year Review Edition Vol 84, No 10. December 1999.

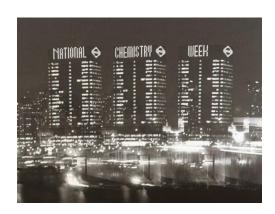
² Category for ACS Sections with membership exceeding 3200 members.



Living its Mission: The Philadelphia Section has upheld its mission in many ways. The following are several examples of the Section being a forerunner for the Society in providing economic, educational, social and professional support to its members. In 1919, the Section appointed the first Women's Committee with the charge to look after and improve the welfare of women chemists. During the nation's Depression era (1932) the Section raised unemployment relief monies for its members. In 1917, the Section established the first Committee on Public Relations and began public outreach activities through radio broadcasts in

1924 and in 1938. And that commitment to public outreach continues to the present. During a ten-year period (1963 - 1973) the Section promoted adventurous social activity and offered affordable travel to bona fide regional ACS members. These six trips were biannual group tours to Europe on chartered flights.





In 1990, Glenn and Barbara Ullyot established and permanently endowed the *Ullyot Public Affairs Lecture Program*. Dr. Glenn Ullyot, a director at the former Smith Kline and French Company, was a visionary leader who was firmly committed to science education and the public understanding of the role that science plays in our lives. The Ullyot Public Affairs Lecture is now co-sponsored by five organizations³ in the region. In 1994, a group of members established the Chemical Consultants Network (CCN) in response to the advent of independent consultants and entrepreneurs. The CCN is believed to be the first and only network of consultants within the Society; and CCN is still active as a topical group within the Section and provides monthly programs to its 200+ members.

³ Science History Institute; University of the Sciences in Philadelphia Chemistry Department; University of Pennsylvania Chemistry Department; Delaware Section ACS; and the Philadelphia Section ACS.



The Philadelphia Section holds the distinction of establishing the first and long-standing named Memorial Lecture which is held annually every March. The *Edgar Fahs Smith Memorial Lecture* was established by the Chemistry Department of the University of Pennsylvania in 1929; and since 1946 the Edgar Fahs Smith Lecture is co-sponsored with the Philadelphia Section ACS. The honored eponym, Dr. Edgar Fahs Smith, was a giant in the profession and the Society. He achieved greatness as a three-time president of the Society; he was a pioneer in chemical education and co-founded two Divisions: Chemical Education and the History of Chemistry (HIST). Dr. Smith was the second awardee of the Priestley Medal in 1926.

Leaders

The Tri-State region in and around the Section has a long history of members who have served the Society and have been world-class innovators. Seven individuals have led the Society as President: Edgar Fahs Smith (1895, 1921, 1922); Charles C. Price (1965); Warren B. Niederauer (1984); Ned D. Heindel (1994); Paul S. Anderson (1997); Edel Wasserman (1999); and Catherine T. Hunt (2007). Three Board Chairs have come from the region: Henry E. Whalen, Jr. (1999 – 2000); James Burke (2004 – 2005); and Pat Confalone (2015 – 2017).

The region has individuals in industry and the academia who have made substantial technical contributions to Chemistry. Starting with the Nobel Laureates in Physiology and Medicine: Selman Abraham Waksman, (Rutgers University, 1952) for discovery of streptomycin; Baruch S. Blumberg (1976, Institute for Cancer Research) with D. Carleton Gajdusek for discovery of mechanisms on the origin and dissemination of infectious diseases; and Eric Wieschaus, (1995, Princeton University) with Edwin Lewis and Christians Nusstein-Volhard for their discoveries concerning the genetic control of early embryonic development. The region celebrates 3 Nobel Laureates in Chemistry: Charles J. Pederson (1987, DuPont Co.) with Donald J. Cram and Jean-Marie Lehn for the development and use of crown ethers; Alan G. MacDiarmid (2000, University of Pennsylvania) with Alan Heeger and Hideki Shirakawa for their discovery of conductive polymers; and Robert Heck (2010, University of Delaware) with Ei-ichi Negishi and Akira Suzuki for the discovery and development of the palladium-catalyzed cross coupling reaction in organic synthesis.

The region has a high density of academic institutions and chemical industries that have produced awards and awardees too numerous to list for this limited overview. Herein, we list only three awards and the awardees from this region. The <u>Priestley Medal</u> -- the highest honor conferred by the ACS to an individual for distinguished contributions in the chemical sciences—has been awarded to: Edgar Fahs Smith (1926, University of Pennsylvania); Howard E. Simmons, Jr. (1994, DuPont); and Paul S. Anderson (2006, Bristol Myers Squibb). The <u>Garvan-Olin Medal</u> is an ACS Award that recognizes women scientists who have made distinguished

scientific accomplishment. Garvan-Olin medalists from the Philadelphia Section: Mary Engle Pennington (1940, University of Pennsylvania, USDA); Florence B. Selbert (1942, University of Pennsylvania); Mildred Cohn (1963, University of Pennsylvania); Madeleine Joullié (1978, University of Pennsylvania); Jenny Glusker (1979, Fox Chase Cancer Institute); Cynthia A. Maryanoff (1999, Johnson and Johnson); and Marsha Lester (2014, University of Pennsylvania). The Perkin Medal is awarded by the Society of Chemical Industry, American Section. Perkin Medal Awardees in the tri-state area: Charles Stine (1940; DuPont); Elmer Bolton (1945; DuPont); Eugene Houdry (1959; Sun Oil); Theodore Cairns (1973; DuPont); Stephanie Kwolek (1997; DuPont); Paul S. Anderson (2002; Bristol Myers Squibb); Robert W. Gore (2005; W.J. Gore); Cynthia A. Maryanoff (2015; Johnson and Johnson); and Barbara Haviland Minor (2018; DuPont, Chemours).

When the Philadelphia Section honors its quasquicentennial (125th) anniversary in 2024, we anticipate there will be more achievements that are inspired by these earlier activities and other individuals to add to this list of stalwart and gifted leaders and scientists.

LOOKING FOR COMESTIBLES IN PHILLY, VII*

Kathy Shaginaw and Tony Addison, January 2020

The restaurant scene has changed a lot in the four years since the last ACS National Meeting in Philadelphia. Many restaurants have closed or moved, but it seems as if even more have opened. There are so many wonderful places to enjoy that it is hard to pick – you just need to come back to town when the ACS meeting is not here. The great majority of eateries are to be found south of Arch St.; the Philadelphia Convention Center's main entrance is at 12th and Arch Streets.

The combination of real Philadelphia character and proximity to the Convention Center makes the *Reading Terminal Market* a must-try location for breakfast, lunch or an early dinner (not fancy). Enter on the east side of 12th St., between Arch St. and Market St.: 8 AM–6 PM, Sunday 9 AM–5 PM (not all vendors on Sundays, https://readingterminalmarket.org/about-us/). You can eat in or take out, from a variety of seafood, sandwich, pizza, deli, bread, coffee, pastry, and Pennsylvania Dutch (not for the lipophobe) food stands. This venerable and bustling food bazaar also has grocery, spice, fish, Lancaster County poultry and sausage, fruit and vegetable outlets, the commendable *Mueller Chocolate Company*, and even caters to turophiles.

13th Street has undergone a wonderful renaissance and is handy to the Convention Center. Chef Marcie Turney and Valerie Safran are the pioneering entrepreneurs that have helped transform the once-desolate neighborhood into trendy Midtown Village (http://weheartphilly.com). Enjoy *Jamonera* (Spanish wine bar with wonderful tapas, \$\$\$, 105 S. 13th St.), *Lolita* (Modern Mexi-

can, \$\$\$, 106 S. 13th St.), *Marcie Blaine* (Artisanal chocolates – they even have a Philadelphia chocolates series, 108 S. 13th St.), *Little Nonna's* (Italian American, \$\$\$, 1234 Locust St.), *Bud and Marilyn's* (Retro-American dishes and classic drinks, \$\$\$, corner of 13th and Locust Sts.) and *Barbuzzo* (Mediterranean Bar, \$\$\$, 110 S. 13th St.). Most Philadelphia brewpubs are a bit further out from Center City, in old industrial spaces. A new place not far north of the Convention Center is the positively-reviewed French bistro-style *Gabi* (\$\$, 339 N. Broad St., menu)

Those of you who have been to Philadelphia before may remember the Galleria near the Convention Center. This sad facility has been totally renovated and is now called the *Fashion District*. It has just re-opened and the list of places continues to grow. In addition to shopping, there are lots of chain fast food restaurants. (https://fashiondistrictphiladelphia.com/restaurants)

Philadelphia has a vibrant Chinatown with many restaurants, just a few of which are Joy Tsin (\$, 1026 Race St., known for their endless dim sum, Sun-Sat 10-3:30, http://joytsinlaurestaurant.com); Sang Kee Peking Duck House (the ducks are hanging in the window waiting for your dining pleasure, \$\$, 238 N. 9th St., http://sangkeechinatown.com); bustling Xi'an Sizzling Woks (casual favorite, \$, 902 Arch http://www.xiansizzlingwoks.com); try the soup dumplings at Dim Sum Garden (BYOB Chinese offering a range of dumplings, classic rice and noodle meals, \$, 1020 Race St., http://www.dimsumgardenphilly.com, definitely not GF); Ocean City Seafood Restaurant plastic tablecloths, but a large selection, including dim sum (\$, 234 N. 9th http://www.oceancityphilly.com); Tasty Place (\$, 143 N. 11th) Hong Kong-style entry in the underground restaurant scene; my favorite, Lee How Fook (\$, 219 N. 11th http://www.newleehowfook.com); Imperial Inn (\$, dim sum, 146 N. 10th St.); Shiao Lan Kung (casual, small BYOB \$, 930 Race St.); Rangoon Burmese Restaurant (\$, 112 N. 9th http://www.rangoonphilly.com/menu/); 11th Vietnam Restaurant 221 N. http://www.eatatvietnam.com/vietnam_restaurant.php). Meanwhile, a trek down into South Philly can bring you to a new Japanese restaurant, Royal Izakaya, with an extensive traditional Japanese small plates menu (\$\$, 780 S. 2nd St.); For a culinary adventure, you may want to try Joseph Poon's popular "Wok 'N Walk Tours of Philadelphia Chinatown" (1010 Cherry St.).

A few blocks west is the Comcast Center "thumb drive" skyscraper. Its *The Market and Shops* food court in the lower level is a cut above the usual mall variety; you can sit out on the plaza at street level with your lunch; check out the neat video display in the lobby (\$, various, 1701 JFK Blvd., http://www.themarketandshopsatcomcastcenter.com). While we're at the Comcast Center, let's walk a block west to the new Comcast Technology Center, the city's newest and tallest skyscraper, and its associated Four Seasons Hotel, where there are four eateries: *Vernick Fish* (\$\$\$ ground floor; menu), *Jean-Georges* (\$\$\$\$, elaborate, upper floor, views; menu), *Jean-Georges* (\$\$\$\$, elaborate, upper floor, views; menu), *Jean-Georges* (\$\$\$\$, a pleasant place for daytime eating; menu).

The majority of the dining establishments listed below are also within walking distance of the Convention Center. Remember that Philly is laid out on Ben Franklin's grid system – a north-south Center City block is about a minute long to walk, an east-west one about 2 minutes long. The *y*-axis is Broad (14th) St., the *x* is Market St. Our pricing guesses devolve from "\$\$"=medium=\$35–\$45. There's also a 7% sales tax whacked on top in Philly. A tip of about 16–18% is considered normal. Many of the restaurants that can serve diners with a gluten intolerance are tagged as "GF" (A wonderful web resource for gluten-free dining is http://www.glutenfreephilly.com/p/gluten-free-restaurants.html).

In the Philadelphia Museum of Art area, there are several options within a 10-15-minute walk, including Figs (Mediterranean, 2501 Meredith St. \$\$), Jack's Firehouse (\$\$, American, with a Louisiana touch; 2130 Fairmount Ave.). The Art museum itself has typical art museum-style eateries which have recently been refurbished: Stir (\$\$, American restaurant, lunch menu), the Museum Café (self-serve café and grill), the Espresso Bar, and the Perelman Café (north across the Parkway, in the Perelman Building; light lunch, beverages). A paid museum admission is needed for the first two.

If you are visiting the Museum of the American Revolution or the Science History Institute, then you are not far from: *Zahav* (Israeli, \$\$\$, 237 St. James Place just off Walnut St., between 2nd and 3rd Sts., http://zahavrestaurant.com); *FARMiCiA* — Continental restaurant known for farm-to-table fare, creative drinks and weekend brunch. (\$\$\$,15 S 3rd St., farmiciarestau-rant.com); *National Mechanics* — Casual eatery in a former bank building serving American fare amid quiz nights and other events. (\$\$, 22 S 3rd St., nationalmechanics.com); *City Tavern* (138 S. 2nd St., Ben Franklin-era dishes, \$\$\$, menu); *Red Owl Tavern* (\$\$ American, 5th and Chestnut); Amada (Spanish tapas, \$\$\$, 217–219 Chestnut St., GF); *Ariana* (Afghani, \$, 134 Chestnut St., http://restaurantariana.com); *Royal Boucherie*, (52 S. 2nd St., menu).

Following on from these are some quite trendy places, including South, which features three distinct spaces and experiences: a warm and inviting Dining Hall, a Jazz Parlor with a center stage for exciting jazz performances, and an elegant, yet comfortable Bar/Lounge (Southern, \$\$\$, 600 N. Broad St., https://southjazzkitchen.com/); Buddakan (fusion/oriental, \$\$\$, 325 Chestnut St., GF); Audrey Claire (Mediterranean, no credit cards, BYOB, \$\$, 276 S. 20th. St., http://www.audreyclaire.com); the imaginatively flavorsome newcomer Spice Finch (\$\$, 220 S. 17th St.); R2L, American menu with 37th-floor views (\$\$\$, 50 S. 16th St.); Sampan (Modern Asian street flavors, \$\$\$, 124 S. 13th St., GF), XIX Café and XIX Restaurant, American, views from the magnificent domed 19th floor penthouse rooms (\$\$\$\$, Park Hyatt/Bellevue, 200 S. Broad St.); a.kitchen+bar (modern American, \$\$\$, 135 South 18th St. and 1737 Walnut St., http://www.akitchenandbar.com); and Square 1682 (Out of the box dining on Rittenhouse Square, \$\$\$, 121 S. 17th St., GF, http://www.square1682.com). However, if for any of these last dozen or so, you did not make a reservation a while ago, you might be out of luck. On the other hand, I appreciate Ellen Yin's Fork (\$\$\$, 306 Market St., http://forkrestaurant.com), where you can al fresco, and HighStreet onMarket (\$\$, 308 Market

<u>http://highstreetonmarket.com</u>). Many other places offer that opportunity, including *Rouge* (\$\$\$, 205 S. 18th, <u>http://www.rouge98.com</u>, GF) and *Table 31* (\$\$, 1701 JFK Blvd., http://www.table-31.com).

Chef Marc Vetri has had a number of well-established and very popular restaurants. At the top of the list is *Vetri* (superb American-Italian, \$\$\$\$ *prix-fixe*, 1312 Spruce St., http://vetriristorante.com, GF). If you cannot afford *Vetri*, try one of Marc Vetri's other Italian restaurants: *Pizzeria Vetri Fairmount* (try the mortadella and ricotta rotolo with pistacchio pesto, \$\$, 1939 Callowhill St., http://www.pizzeriavetri.com); *Pizzeria Vetri Rittenhouse* (\$\$, 1615 Chancellor St., http://www.pizzeriavetri.com).

Chef Michael Solomonov is known for his extraordinary skill at transforming simple foods into artful culinary masterpieces. His restaurants include *Zahav* (Israeli, \$\$\$, 237 St. James Place just off Walnut St., between 2nd and 3rd Sts., http://zahavrestaurant.com); *Abe Fisher* (cuisine inspired by the Jewish diaspora, \$\$\$, 1616 Sansom St., http://www.abefisherphilly.com); *Federal Donuts* (only donuts and fried chicken – what more do you need when you want a fried food fix?, \$, five locations including 1632 Sansom St. and the Phillies' ballpark, http://www.federaldonuts.com); *Percy Street Barbecue* (Texas Hill Country BBQ, \$\$, 900 South St. at the corner of Percy St., http://www.percystreet.com); and *Dizengoff* (Israeli-style hummus and fresh pita, \$, 1625 Sansom St., http://www.dizengoffhummus.com/). The latest addition to the Solomonov restaurant list is *K'Far* – is an all-day Israeli cafe serving breakfast, lunch and dinner at 110 S 19th St, Philadelphia (\$\$, kfarcafe.com).

For those of you who are fans of the Food Network and Iron Chef America, the Philadelphia area is home to Iron Chef Jose Garces and a number of his innovative restaurants (http://garcesgroup.com), each with a different flair. Walking distance from the Convention Center are: *Volvér* (in the Kimmel Center with decadent multi-course chef's tasting, \$\$\$, 300 S. Broad St.), and *The Olde Bar* (in the Historic Bookbinder's Building with an extensive raw bar, 125 Walnut St.). A bit west of the Convention Center are: *Distrito* (Modern Mexican, \$\$\$, 3945 Chestnut St. (entrance on 40th St.), GF), *Tinto* (Basque wine bar, \$\$\$, 114–116 S. 20th St., GF), *Buena Onda* (casual taco, \$, 1901 Callowhill St.), *Village Whiskey* (\$\$, 118 S. 20th St., GF), and *JG Domestic* (contemporary American, \$\$\$, 2929 Arch St., GF).

Many people say that you really cannot go wrong at a Steven Starr Restaurant (https://starr-restaurants.com/) and I would enthusiastically agree. The ones that I have tried are: the trendy Alma de Cuba (modern Cuban, \$\$\$, 1623 Walnut St., GF), the Continental (global tapas and martini bar, \$\$\$, 138 Market St., GF.), El Vez (modern Mexican, \$\$, 121 S. 13th St., GF), and Pod (contemporary pan Asian, \$\$\$, 3636 Sansom St., GF) and his French bistro-style Parc (\$\$\$, 227 S. 18th St.). Brit Pub-style Dandelion Pub (\$\$, 18th and Sansom Sts.) — no veal, egg and ham pie, but they do have cheddars, shepherd's pie, numerous hand-pulled ales, and do afternoon tea as well. One of the newest Starr restaurants is The Love — known for the Lovebird

(heavenly fried chicken) (farm-to-table American, \$\$\$, 130 S. 18th Street, https://theloverestaurant.com).

You prefer seafood? *Devon Seafood Grill* (\$\$\$, 225 S. 18th St., GF) always good and sometimes wonderful; *Spasso* (\$\$, 34 S. Front St., http://www.spassoitaliangrill.com); *Dmitri's* (Mediterranean \$\$, 944 N 2nd St. and 795 S 3rd St., http://dmitrisrestaurant.com); *Kisso Sushi Bar* (\$\$, 205 N. 4th St., https://kissosushibar.com/); *Morimoto* (\$\$\$, 723 Chestnut St., http://www.morimotorestaurant.com) more than just sushi platters; *Oyster House* (\$\$\$, 1516 Sansom St., http://oysterhousephilly.com) has a raw bar; *McCormick and Schmick* (an Oregon Irish seafood chain?, \$\$\$, 1 S. Broad St.);

Italian: Refined Northern style is easy to find in Philly; as you move south-east in the city, the brown reductions give way to tomato-based sauces, known locally as "gravy." Branzino – one of our BYOB faves - sometimes rushed service, but a great menu (\$\$, 261 S. 17th St., http://www.branzinophilly.com); Bistro La Viola – nice little BYOB, but not easy to get a table (\$\$, 253 S. 16th, http://laviolaphiladelphia.com); La Viola Ouest – new extension of La Viola, BYOB (\$\$, 252 S. 16th Street); Lo Locanda Del Ghiottone (\$\$, 130 N. 3rd St.); Giorgio On Pine frequented (Italian BYOB, \$\$, 1328 Pine St., by Drexel http://www.giorgioonpine.com); Modo Mio (Modo Mio means "My Way" featuring regional Italian cuisine, \$\$\$, 161 W. Girard Ave., http://modomiorestaurant.com); Melograno (BYOB, \$\$, 2012 Sansom St., https://melogranophilly.com); and Davio's Northern Italian Steakhouse (\$\$\$, 111 S. 17th St., GF).

French: Outnumbered by Italian – this is Philadelphia, after all. Some of our current favorite French restaurants are: *Parc* (\$\$\$, 227 S. 18th St.) – the people watching on Rittenhouse Square is fun, the food is decadent, and the energy is fun; and a special mention to *Royal Boucherie*, (52 S. 2nd St., <u>royalboucherie.com</u>) where the food is good, the sommelière is expert, and it has a Chemistry connection. Other options are *Bibou* (cash only, \$\$\$, 1009 S. 8th St., http://www.biboubyob.com) imaginative American-French BYOB; *Caribou Café* – French bistro style, a lunchtime fave (\$\$, 1126 Walnut St., http://www.cariboucafe.com); *La Croix* (\$\$\$, the Rittenhouse Hotel, just south of Walnut and east of 18th, http://www.lacroixrestaurant.com); *Zinc* (\$\$\$, 246 S. 11th St., http://www.zincbarphilly.com).

Indian: *Indeblue*, with an eclectic western take on traditional Indian cuisine (\$\$, 205 S. 13th St.); *Veda* (\$\$, 1920 Chestnut St.); *Karma Restaurant and Bar* - all-you-can-eat times (\$\$, 246 Market St.)

Mexican: traditionally not a forté of Philly, but *Xochitl* (pronounced so-cheet) (\$\$, 408 S. 2nd St., http://www.xochitlphilly.com, GF) has wonderful guacamoles and a nice tequila selection. Already mentioned are Distrito (Modern Mexican \$\$\$, 3945 Chestnut St. (entrance on 40th St., GF)) and *El Vez* (a riff on that old hipster "El Vis"; modern Mexican, \$\$, 121 S. 13th St., GF). Other options are *Jose Pistola's* (Mexican, with Belgian beers, \$, 263 S. 15th St.,

http://www.josepistolas.com); *Tequila's* (Mexican, \$\$, 1602 Locust St., http://tequilasphilly.com). *Condesa* is one of the newest in Philly (modern Mexican, \$\$\$, 1830 Ludlow St., https://www.condesaphilly.com, GF); and *South Philly Barbacoa* - unassuming Mexican eatery specializing in traditional slow-cooked barbacoa-style tacos and toppings that is only open Friday through Monday (\$, 1140 S. 9th St., https://www.visitphilly.com/things-to-do/food-drink/south-philly-barbacoa/).

You want a steakhouse for your expense account? *Prime Rib* (\$\$\$, 1701 Locust St.) http://www.theprimerib.com; *Capital Grille* (\$\$\$, 1338 Chestnut St., http://www.thecapitalgrille.com, GF); *Barclay Prime* (Boutique Steakhouse, \$\$\$\$, 237 S. 18th St.); *Ruth's Chris Steakhouse* (\$\$\$, moved to 1800 Market St., GF); *Morton's of Chicago* (\$\$\$, 1411 Walnut St., with cigars, GF); Stephen Starr's *Butcher and Singer* (\$\$\$, 1500 Walnut St., https://butcherandsinger.com); and Michael Schulson's latest creation, *Alpen Rose* (\$\$\$, 116 S. 13th St., alpenrosephl.com).

Greek: *Estia* (\$\$\$, 1405 Locust St.) originally built on seafood flown in from the Mediterranean, they have since expanded their menu and they have an extensive Greek wine list – a fabulous restaurant choice; *Opa* (modern Greek, \$\$, 1311 Sansom St., http://opaphiladelphia.com); *South Street Souvlaki* (\$, 509 South St., http://southstreetsouvlaki.com); *Kanella Grill* (Cypriot Greek, \$\$, BYOB, 1001 Spruce St., http://www.kanellarestaurant.com) – you may have seen the Philly episode of Million Dollar Critic where they won; and *Effie's* (\$\$, 1127 Pine St. – outdoors tables, https://www.opentable.com/effies-restaurant).

Interested in places with noteworthy wine selections? La Famiglia (Italian, \$\$\$, 8th S. Front St.; extensive Italian wine list at this Philly favorite; http://www.lafamiglia.com); Ristorante extensive Panorama (Italian, \$\$\$, 14 N. Front St. http://www.pennsviewhotel.com/panorama); Zavino Wine Bar Pizzeria (fun tapas, great pizza in a cozy little place with some outside seating, \$\$, 112 S. 13th St., GF – great GF pizza, http://www.zavinohospitalitygroup.com) and Tredici Enoteca (across the street and owned by Zavino); Tria Café (wonderful cheeses, meats, wine, and beers served by a knowledgeable staff, \$\$, now with four locations at Rittenhouse Square (18th and Sansom Sts.), Washington Square West (12th and Spruce Sts.), GF), Tria Fitler Square (2227 Pine St.) and Tria Taproom (2005 Walnut St.); and previously mentioned Estia.

The Bourse has undergone a facelift since the last ACS National Meeting. *The Bourse Food Hall* is a bustling marketplace with vendors offering a variety of food and drink options in a historic setting. – (\$\$, various, 111 S. Independence Mall East, https://theboursephilly.com/) *Blue Bird Distillery* is just one of the options.

Places with music: *the Plough and the Stars* (\$\$ Irish, on 2nd St. between Market and Chestnut Sts., <u>ploughstars.com</u>) the Guinness casserole is a lip-smacker; send your students to *Howl at the Moon* (\$, 258 S. 15th St., https://www.howlatthemoon.com/philadelphia/); and *South* with

exciting jazz performances (Southern, \$\$\$, 600 N. Broad St., https://southjazzkitchen.com/). The *Victor Café* (trad. S. Italian, \$\$, 1303 Dickinson St., http://victorcafe.com), where the proprietor possesses a huge collection of opera music (much on 78's), the waitstaff are nearly all classical singers in training, and at various random points in the evening, these two factors combine delightfully. In other words, you go for the entertaining ambience.

Others worth noting ...

- Zama (sushi that is more creative than your usual; \$\$\$, 128 S. 19th St, near Rittenhouse Square, zamaphilly.com)
- *Double Knot* Michael Schulson offers modern Japanese cuisine near Philadelphia City Hall. (\$\$\$,120 S 13th St., <u>doubleknotphilly.com</u>)
- *Kensington Quarters* bar with fabulous burgers, creative dishes, and a focus on products from local farms (Fishtown, \$\$, 1310 Frankford Ave., https://www.kensingtonquarters.com)
- *Pizza Brain* (quirky pizzeria and funky pizza museum, \$, 2313 Frankford Ave., http://www.pizzabrain.org)
- *Pizzeria Beddia* is one of the hottest pizza places in town (\$\$, 1313 N. Lee St., https://www.pizzeriabeddia.com)
- *Harp and Crown* Chef Michael Schulson offers gastropub style food, cocktails and 40+ beer taps. (\$\$\$,1525 Sansom St., http://harpcrown.com)
- *Hungry Pigeon* simple all-day fare in an artsy, brick-walled corner storefront. (\$\$,743 South 4th St. in Queen Village, http://www.hungrypigeon.com)
- *City Tavern* ("18th century" menu, \$\$\$, 138 S. 2nd St., GF) owner and Executive Chef Walter Staib on our local PBS station;
- *Pure Fare* (creative, healthy breakfast and lunch options with calorie counts on the menu, 119 S. 21st St., https://locu.com/places/pure-fare-philadelphia-us/);
- The Black Sheep (Irish modern dining upstairs \$, 247 S. 17th St.);
- Fogo de Chao (the more-meat-than-you-can-eat Brazilian churrascaria chain, \$\$, 1337 Chestnut St., GF);
- Chima (20th St. and JFK Blvd., https://www.chimasteakhouse.com, GF);
- *Picanha Brazilian Steakhouse* (\$\$\$, 1111 Locust St., https://picanhasteakhouse.com)
- *Laurel* French-influenced American restaurant by Top Chef Winner Nicholas Elmi (\$\$\$,1617 E. Passyunk Ave., https://www.restaurantlaurel.com)
- *Cuba Libre* (Cuban, \$\$, 10 S. 2nd St. spirited décor, some routine dishes, some very good ones, GF);

- *Sazon* (authentic Venezuelan BYOB with specialty hot chocolates, \$, 941 Spring Garden St., Cash only, GF);
- Mixto (Cuban, Latin American and Caribbean, \$\$, 1141 Pine Street, http://www.mixtorestaurante.com);
- *Karma* (Indian, \$\$, 114 Chestnut St., http://karmaphiladelphia.com);
- Fez (Moroccan, \$\$, 620 S. 2nd St., http://fezrestaurant.com) includes belly-dancers;
- *Moshulu* (American, \$\$\$, http://www.moshulu.com) the refurbished four-masted restaurant floating on the Delaware at Penn's Landing;
- *Geno's Steaks*; *Pat's Steaks* (Philly cheesesteaks, \$, both S. 9th St. and Passyunk Ave.) (I include these guys not as sources of *haute cuisine*, but as they claim the fame of being the original sources. The classical Philly cheesesteak is made with onions, thinly-sliced beef, American cheese (though we suggest substituting *provolone* when possible, especially to avoid the use of Cheez Whiz by some establishments) and a split long roll, onto the grill in that order.);
- *Paesano's Italian Style* serves outrageous sandwiches in two locations (casual, \$, 152 W. Girard Ave., and 1017 S. 9th St. in the Italian Market, https://paesanosphi.com/, GF) try the Paesano or the Arista sandwiches;
- *Di Bruno Brothers* sells a wide variety of Italian specialties. They have a number of locations around town, including the Italian Market, 834 Chestnut St., a large store at 1730 Chestnut St. (which has a nice outside area to sit and eat your delicacies) and in the mall beneath the Comcast Center, at 1701 Kennedy Blvd. (http://www.dibruno.com);
- Famous 4th St. Delicatessen (\$, 700 S. 4th St., http://famous4thstreetdelicatessen.com) the best of Philly's not many delis east of the Schuylkill River;
- Expect long lines at *Spread Bagelry* for their Montreal wood oven bagels (\$, 262 S. 20th St., http://spreadbagelry.com);
- The *Melrose Diner* (American, \$, 1501 Snyder Ave., http://www.themelrosedinerandbakery.com);
- A local chain of fresh diner fare is *Sabrina's* Café (\$, BYOB, locations at 910 Christian (in the Italian Market), 1804 Callowhill St. (near the Philadelphia Art Museum), and 227 N. 34th St. (near Drexel U.), GF) the Italian chicken sandwich is my favorite;
- *Han Dynasty* (Sichuan eats plus late-night street-food menu, \$\$, there are a number of locations around town with the closest one at 123 Chestnut St. in an old bank, http://www.handynasty.net);
- Friday Saturday Sunday (retro continental, \$\$, 261 S. 21st St.);

- Close to the Convention Center are *FUEL Center City* (healthy fare, \$, 1225 Walnut St., GF); *Maggiano's* (chain Italian, \$, 1201 Filbert St., https://locations.maggianos.com/pennsylvania/philadelphia/1201-filbert-st/, GF); and
- for chocolate and more chocolate, *Max Brenner* café (\$\$, 15th St., just south of Walnut St.).

Visitors from some other areas may suffer sticker shock at the wine markups in Philadelphia restaurants. The reasons for this are (i) they have to buy their wine from the Pennsylvania Liquor Control Board's state monopoly, (ii) there was an Unfortunate Incident in Johnstown, PA, a little while ago - the Johnstown Flood- and (iii) the number of liquor licenses is limited, so they cost \$n×10⁴ each, pushing the restaurateurs to pile the charges on. About 20% of the price of a bottle of wine is an emergency tax that goes toward the Johnstown Flood Relief Fund. The Johnstown Flood was only just in 1889, but one remains ever-hopeful that the Relief will soon be consummated and the tax repealed. Meanwhile, the Pennsylvania legislature is currently enmired in their decennial debate about privatizing the retail stores. The limited supply of licenses has led to a plethora of quite good BYOB restaurants. In addition to the Italians mentioned above: *Sahara Grill* (Middle Eastern, \$, 1334 Walnut St.). We order the delicious appetizer sampler plate as a main course; treat your research group for dinner at this small BYOB and get out with your wallet intact. Oh, no, did I let the cat out of the bag? Reserve for >2, or get there before 6:45; *Ariana*, Afghani BYOB (\$\$, 134 Chestnut St.)

You can buy a bottle of wine for your BYOB restaurant dinner only at the limited number of Pennsylvania Liquor Control Board stores: 2040 Market St.; 5 N. 12th St.; 1112 Chestnut St.; 1515 Locust St.; 32 S. 2nd St.; 724 South St.; check their website for hours; since you were last here, they've added Sunday hours. Pinot Boutique at 227 Market St. offers wine tastings (http://www.pinotboutique.com) and they are open on Sundays. The State stores do not sell beer, but places in Center City where you can try good brews and get something to eat as well include Monk's Café (Belgian) - with a big selection of domestic and imported beers, good burgers and mussels and yet more mussels and a boudin blanc sausage sandwich (\$, 264 S. 16th St. – get there early); Jose Pistola's (Mexican, with Belgian beers, \$, 263 S. 15th St.); and Good Dog Bar (untrendy, burgers, \$, 224 S. 15th St., http://www.gooddogbar.com). Philadelphia is often now referred to as "Brussels on the Schuylkill," as it has become the center of gravity of Eastern US craft brewing and microbrewery activity. The annual craft beer festival is (unfortunately for ACS) in early March, but many places have regional brews on tap. Look out for those from Yards, Love City, Philadelphia Brewing, Manayunk Brewing and Dock Street (in Philly), the excellent Victory brews (e.g., Hop Devil IPA), Sly Fox, 2SP Brewing Co., Stoudt's, Flying Fish (NJ) and Dogfish Head (Delaware).

Hey, speaking of architecture, we have to mention a couple of our favorite lesser-appreciated Philly gems. One is the Art Deco eastern facade of Suburban (ex-Pennsylvania RR) Station, which you can contemplate from the corner of 15th and JFK. Not far away is the 1928 WCAU

Building, at 1620 Chestnut St. The Loew's Hotel (1200 Market St., includes *Bank and Bourbon* restaurant, \$\$\$) now inhabits what looks like a perfectly ordinary 1960's skyscraper. However, this was actually built in 1929–32, contemporaneously with the Chrysler and Empire State buildings, as the home of the PSFS bank. It bears the distinction of likely being the first Modernist skyscraper in all of the Americas. Take a dekko at its Art Deco lobby and bar. A bit further south and east, enter the Curtis Building *via* its 6th St. entrance just north of Walnut St., near Independence Hall. The lobby is *ab originale* from 1916, and the west wall comprises Maxwell Parrish's magnificent *Dream Garden* mural, executed in favrile glass by Louis Comfort Tiffany. This was Philadelphia's best-kept secret until about 1998, when a Las Vegas mogul created a local uproar by putting a down-payment on it for his casino. Hey, no way, buddy!

No Philadelphia restaurant review would be complete without mentioning sweet frozen endings to your meal. *Rita's Water Ice* is a classic Philly tradition, with many locations scattered about the city (GF). A fun Chinatown stop is *T-swirl Crêpe* (sweet and savory crepes served in a paper cone to you can eat it on the go if you want, \$, 150 N. 10th St., http://t-swirlcrepe.com). *The Franklin Fountain* is an old-fashioned ice cream parlor that is busy even in the middle of winter (ice cream with a candy shop a couple of doors away on Market St., 116 Market St., http://www.franklinfountain.com).

* I: the Catalyst, August 1984; II: the Catalyst, August 2004, III: the Catalyst, August 2008, IV: the Catalyst, August 2012, V; the Catalyst, August 2016, VI. Previous editions authored or coauthored by Kathy Shaginaw and Tony Addison.

Renew Membership Dues at a Discount

If your current membership term expires before December 30, 2020, you can renew your ACS membership dues onsite and receive a 20% discount. Visit the Membership booth at the Exposition for complete details.



AMERICAN CHEMICAL SOCIETY

SPRING 2020 NATIONAL MEETING & EXPO

MACROMOLECULAR CHEMISTRY: THE SECOND CENTURY

PHILADELPHIA, PA

2020

#ACSPHILLY

PENNSYLVANIA CONVENTION CENTER

SISTENTE OF THE PROPERTY OF TH

A HANDS-ON SCIENCE EVENT

SATURDAY, MARCH 21, 2020 | 10 AM - 5 PM

#ACSkidszone | www.acs.org/kidszone

THE ACADEMY OF NATURAL SCIENCES OF DREXEL UNIVERSITY

1900 BENJAMIN FRANKLIN PKWY, PHILADELPHIA, PA 19103

Bring your family to the American Chemical Society Kids Zone — A Presidential Outreach Event at the Academy of Natural Sciences to learn about the wonders of polymers & water with hands-on activities, giveaways, issues of the ACS kids' publication, and more. Event included with pay-what-you-wish admission to the museum.



DANCE. FILM. MUSIC. THEATER. COMEDY. FESTIVALS. ART. MUSEUMS

Arts & Culture around the Philadelphia Region during the ACS Spring 2020 National Meeting by Maria Camila Garcia

DANCE.

<u>BalletX Spring Series at The Wilma Theater</u>. 265 S. Broad Street, Philadelphia, PA 19103. March 18-29, 2020. BalletX's <u>Spring Series</u> features three works by choreographers Nicole Caruana, Gregory Dawson and John McFall. The pieces explore themes like the cyclical nature of existence and the beauty of simple gestures. Tickets start from \$25 to \$60 for all showcases. https://www.balletx.org/seasons/spring-series-2020/

Annenberg Center at the University of Pennsylvania. 3680 Walnut Street Philadelphia, PA 19104

Trinity Irish Dance Company. March 27 - 28, 2020. This company is the birthplace of progressive Irish dance—"this troupe fuses Ireland's vibrant tradition and legacy with every-evolving American innovation." https://annenbergcenter.org/event/trinity-irish-dance-company-831

FILM.

Israeli Film Festival <u>Various locations including the Philadelphia Film Center</u>, 1412 Chestnut <u>Street</u>

March 7-29, 2020. The annual 24th Israeli festival compiles the best Israeli films of the year with a combination of dramas, documentaries films and more. Tickets start at \$13 for adults, \$12 for students and \$8 for children. https://iffphila.com/

qFLIX Philadelphia. Various locations including Suzanne Roberts Theater, 480 S. Broad Street

March 22-29, 2020. This annual film <u>festival</u> celebrates all genres of film which were created by members of the LGBTQ communities, with screenings based at the Suzanne Roberts Theatre. Tickets and more information on the movies showcased can be purchased online at http://www.qflixphilly.com/

MUSIC.

Philadelphia Orchestra. Kimmel Center. 301 S. Broad Street Philadelphia, PA 19103. The world-renowned conductor, Yannick Nézet-Séguin leads the world-renowned orchestra in the second program in a series celebrating the great composer, Beethoven. BeethovenNOW: Symphonies 2 & 3 ("Eroica") (March 19 – March 22); Symphonies 8, 4 & 7 (March 27 – March 29). (http://www.philorch.org).

Philadelphia Chamber Music Society. Kimmel Center. 301 S. Broad Street, Philadelphia, PA 19103

Beethoven Piano Sonatas (March 12, 24, 27, 30, April 2). https://www.pcmsconcerts.org/

Sound All Around: Ensemble. Kimmel Center. 301 S. Broad Street Philadelphia, PA 19103. These sensory-family-friendly performances are fun and interactive and ideal for engaging young people with members of the Philadelphia Orchestra. The famed storyteller Charlotte Blake Alston hosts the audience and guides them in clapping, stomping, singing and dancing with members of the Philadelphia Orchestra. (March 21 – March 23). https://www.philorch.org/sound-all-around

Cashore Marionettes: Simple Gifts. Organist Marvin Mills. March 21, 2020. Family Discovery Series. Kimmel Center. 300 S. Broad Street Philadelphia, PA 19103. Simple Gifts is a series of touching portrayals and poignant scenes from everyday life set to stunning music by such composers as Vivaldi, Strauss, Beethoven and Copland. https://www.kimmelcenter.org/events-and-tickets/201920/kcp/cashore-marionettes/

Norman David & The Eleventet. Plays & Players Theatre. 1714 Delancey Street, Philadelphia, PA, 19103.

March 23, 2020. An evening of Hot Jazz and Cool Drinks. \$10. Sets at 7 PM and 9 PM. https://playsandplayers.org/

Macy's Wanamaker Grand Organ. 1300 Market Street Philadelphia, PA, 19107 The Wanamaker Organ—the largest fully functioning pipe organ in the world is located within a spacious 7-story Grand Court at Macy's Center City (formerly Wanamaker's department store) and is played twice a day Monday through Saturday: daily (except Sundays) at noon; also played on Monday, Tuesday, Thursday and Saturday at 5:30 PM, and each Wednesday and Friday at 7 PM.

The Crossing with Maya Beiser, cello. Annenberg Center at the University of Pennsylvania 3680 Walnut Street Philadelphia, PA. 19104. March 22, 2020. Hailed as "superb" (*The New York Times*) and "ardently angelic," (*The Los Angeles Times*) The Crossing is a multiple Grammy® Award-winning, Philadelphia-based new music choir conducted by Donald Nally. The Crossing brings the "reigning queen of the avant-garde cello" (*The Washington Post*) Maya Beiser to Philadelphia for the world premiere of Michael Gordon's *A Travel Guide to Nicaragua*, an Annenberg Center co-commissioned work. https://annenbergcenter.org/event/the-crossing-808

World Café Live Philadelphia. 3025 Walnut St. Philadelphia, PA 19104. https://www.worldcafelive.com/calendar/

Meat Loaf Presents BAT: The Neverland Express and Caleb Johnson. March 25, 2020. Experience the hit songs by Meat Loaf by his band, The Neverland Express. Caleb Johnson is the winner of American Idol season 13.

Theater of the Living Arts. 334 South St. Philadelphia, PA 19147. https://venue.tlaphilly.com/ Fleshgod Apocalypse featuring the Veleno Quartet. March 21, 2020. Coin: The Dreamland Tour. March 22, 2020.

Prism Quartet. Bryn Mawr College, Goodhart Hall, Bryn Mawr, PA. March 21 – 22, 2020. A saxophone quartet explores the meaning of walls in our society. https://www.brynmawr.edu/events/prism-quartet-mending-wall-world-premiere-0

Charles Esten at the Keswick Theater. Easton Rd. & Glenside Ave., Glenside, PA March 26, 2020. Charles Esten stars on CMT's Nashville in the role of Deacon Claybourne. https://www.keswicktheatre.com/events/detail/382265

THEATER.

Broadway Philadelphia. Merriam Theater, 250 S. Broad Street, Philadelphia, PA 19103. March 13-29, 2020. *Les Misérables*. Set against the backdrop of 19th-century France, *Les Misérables* tells an unforgettable story of heartbreak, passion, and the resilience of the human spirit.

https://www.kimmelcenter.org/events-and-tickets/201920/broadway-philadelphia/lesmiserables/

Arden Theatre (http://www.ardentheatre.org). 40 N. Second Street. Philadelphia, PA 19106 A Streetcar Named Desire by Tennessee Williams. March 12 – April 12, 2020. Oedipus el Rey. The setting is Central Los Angeles as the playwright reimagines the classical Oedipus as a troubled Latino. (March 7 – March 22).

Walnut Street Theater https://www.walnutstreettheatre.org/ 825 Walnut Street, Philadelphia, PA 19107

The Best Man by Gore Vidal. March 10 – April 26, 2020. Power, ambition, and secrecy are in the air—it must be election season. Set at the national convention in Philadelphia, Gore Vidal's *The Best Man* takes you into the back rooms and hotel suites where two candidates are vying for their party's nomination.

Popcorn Falls by James Hindman. February 25 – March 29, 2020.

A nasty neighboring town has shut off Popcorn Falls' namesake waterfall and targeted them as a sewage treatment site. But the enterprising Popcorn Falls townsfolk ("kernels") discover a

loophole when they find they can secure a town-saving grant if they can produce a play – in just one week! The only problems: no playhouse, no players, and no play!

Lantern Theater Company. 923 Ludlow Street. Philadelphia, PA 19107.

https://www.lanterntheater.org/

Othello by William Shakespeare. March 12 – April 26, 2020. Othello is the ultimate outsider but he inspires the love of a daughter of Venice's elite. Their marriage enrages everyone close to them – none more so than Iago, one of Shakespeare's most dangerous villains. Race, pride, jealousy, and betrayal collide in this timeless tragedy.

Plays and Players Theatre and Once More Theatre. 1714 Delancey Street. Philadelphia, PA 19103

Jason & the Argonauts or Life is a Journey. March 12 – 21, 2020. Told by the company the play recounts Jason and the Argonauts as they undertake an epic journey and discover the mythical, magical and essence of human experience. http://playsandplayers.org/jason-and-the-argonauts/

InterAct Theater. 302 S. Hicks St. Philadelphia, PA 19102.

http://www.interacttheatre.org/calendar

The Niceties. A cordial academic conversation between a brilliant black student and her renowned white history professor careens into a searing debate over race, power, and who gets the final word on how history is written.

Simpatico Theater. The Theaters at the Drake, 302 S. Hicks St. Philadelphia, PA 19102 https://www.simpaticotheatre.org/20192020-season

Esther Choi and the Fish That Drowned. March 25 – April 12. Esther Choi is an over-achieving teen who has a ghost. Esther must grapple with loneliness and grief while living up to her grandfather's expectations.

Keswick Theater. Easton Rd. & Glenside Ave., Glenside, PA *The Musical Box: A Genesis Extravaganza, Vol.* 2. March 20 – 21, 2020 https://www.keswicktheatre.com/events/detail/383439

Bucks County Playhouse (70 S. Main Street, New Hope, PA) https://bcptheater.org/
Other World. One moment two individuals are on earth in a garage and then they are transported into their favorite video game. March 13 – April 11, 2020.

People's Light. 39 Conestoga Road, Malvern, PA.

Shakespeare in Love. Feb 26 – March 29, 2020. In 1593 London, Will Shakespeare has writer's block. Low on funds and out of ideas, the young playwright finds his muse in Viola de Lesseps, a wealthy merchant's daughter with dreams of the stage. Despite England's prohibition on fe-

male performers, Viola disguises herself as a man and wins the role of "Romeo" in Shake-speare's upcoming comedy, *Romeo and Ethel, the Pirate's Daughter*. As Will discovers that his talented leading man is none other than the captivating aristocrat he admired from afar, the two begin a passionate affair that becomes inspiration for a new love story: *Romeo and Juliet*. https://www.peopleslight.org/whats-on/2019-2020-season/shakespeare-in-love/

COMEDY.

Annenberg Center at the University of Pennsylvania 3680 Walnut Street Philadelphia, PA 19104 *Eddie B. I'm Already Professionally Developed.* March 21, 2020. https://annenbergcenter.org/event/eddie-b

Keswick Theater. Easton Rd. & Glenside Ave., Glenside, PA

LetterKenny Live on Tour. March 20-21, 2020. The stars of the wildly popular award-winning Crave Original Series are bringing their LetterKenny Live to the U.S. for the first time. This is a 90-minute comedy experience and will feature nine of the beloved cast members. https://www.keswicktheatre.com/events/detail/384818

Merriam Theater. 200 S. Broad Street Philadelphia, PA 19103

Ilana Glazer: Horny4 Tha Polls. March 21, 2020. Ilana Glazer is an EMMY-nominated actor and star of the show Broad City. https://www.kimmelcenter.org/events-and-tickets/201920/kcp/ilana-glazer/

Good Good Comedy. 215 N. 11th Street Philadelphia, PA 19107

Cameron Esposito: Save Yourself Tour. March 27, 2020. Cameron Esposito is a standup comic, actor and writer who has appeared across television and film and, most recently, in print in the New York Times.

Helium Comedy Club. 2031 Sansom St. Philadelphia, PA. 19103.

https://philadelphia.heliumcomedy.com/events

- Special Event: Anthony Rodia. March 22, 2020. Anthony Rodia is a first-generation Italian comedian born and raised in Westchester, NY. He has always had a way of turning any situation into comedy! Using social media as his platform, Anthony has exploded onto the comedy scene out of nowhere, making quite a name for himself and building a large fan base. He is known for his hilarious skits, song parodies, and his weekly "Road Rage Wednesday" using his popular character "Uncle Vinny."
- *HCA Stand-Up Comedy 160 Graduation Showcase*. This show will feature the graduating students of the 160 course. March 25, 2020.
- Special Event: Michelle Wolf. March 27 29, 2020. Wolf has quickly become one of the most influential voices in the comedy landscape with the Village Voice calling her "the

voice comedy needs right now" and *The Daily Beast* declaring, "Michelle Wolf is the future of stand-up comedy." In 2017 Wolf debuted her first hour-long stand-up special, "Michelle Wolf: Nice Lady", on HBO for which she received rave reviews and a Primetime Emmy nomination for Outstanding Writing for a Variety Special.

FESTIVALS & EXHIBITIONS.

Woodmere Art Museum 9201 Germantown Avenue Philadelphia, PA 19118.

Family Circus Festival. March 22, 2020. The Philadelphia School of Circus Arts and the Little Circus head up the hill for a day of puppet-making, stilt-walking, tightrope-walking, and juggling. https://woodmereartmuseum.org/

Vision 2020. A Seat at the Table Interactive Exhibit. March 1 – September 30, 2020. Kimmel Center Lobby.

A Free Event. Learn about women's right to vote and equality 100 years later.

Visit this interactive exhibition to discover what it took for women to win voting rights and how gender inequality persists.

University of Pennsylvania Van Pelt-Dietrich Library. 3420 Walnut St. Philadelphia, PA 19104.

Making the Renaissance Manuscript: Discoveries from Philadelphia Libraries. Kisiak Center, Feb 10 – May 19.

Writing Across Genre: African American Women Writers in the Joanna Banks Collection. Through April 10. An exploration of black cultural and intellectual traditions across multiple genres. https://www.library.upenn.edu/vanpelt

MUSEUMS. ART & GALLERIES.

Academy of Natural Sciences of Drexel University. 1900 Ben Franklin Parkway. Philadelphia, PA.,19103.

Survival of the Slowest. February 15 – September 20. Get close to a dozen live species that includes two-toed sloth and the Frican pygmy hedgehog. https://ansp.org/

Science History Institute Museum. 315 Chestnut St. Philadelphia, PA 19106. Named one of Philadelphia's best museums by *Condé Nast Traveler*, at the Science History Institute is a journey through the weird and wonderful world of matter and materials. https://www.sciencehistory.org/museum

Penn Museum of Archaeology. https://www.penn.museum/

3260 South Street Philadelphia, PA. 19104. At the Penn Museum, make powerful connections between ways of life past and present, near and far. Discover the cultures of Africa, Asia, the

Americas, and the Mediterranean, from the very first cities of the Middle East to the kings of ancient Egypt; from prehistoric Mexico to the lives of Native American communities today.

Invisible City: Philadelphia and the Vernacular Avant-garde (through April 4, 2020). https://www.uarts.edu/invisiblecity#tab-3

Invisible City: Philadelphia and the Vernacular Avant-garde highlights Philadelphia's significant contributions to visual, literary, and musical culture between 1956 and 1976. Exhibit is at four venues: Art Alliance, Rosenwald-Wolf Gallery, Pennsylvania Academy of the Fine Arts, and Gershman Hall of the University of the Arts.

Philadelphia Art Museum - https://philamuseum.org/ 2600 Ben Franklin Parkway. Philadelphia, PA 19130.

Mutter Museum of College & Physicians and Surgeons in Philadelphia. 19 S. 22nd St. Philadelphia, PA 19103

http://muttermuseum.org/events/ Going Viral: Infection through the Ages.

The Kate Hurd-Mead Lecture: Healing the Body Politic. March 25, 2020. Dr. Jacqueline Antonovich, Assistant Professor of History at Muhlenberg College, will discuss the crucial role women physicians played in the fight for suffrage in the United States. She will examine how women doctors used public health arguments to advocate for suffrage and explore how they increasingly leveraged their medical knowledge, professional status, and public reputations to play an influential role in local, state, and national politics in the early twentieth century.

Wagner Free Institute of Science. 1700 W. Montgomery Avenue, Philadelphia PA 19121. http://www.wagnerfreeinstitute.org/ The Wagner Institute's nineteenth century exhibit hall – a soaring three-story space – houses an extraordinary collection of natural history specimens including mounted birds and mammals, fossils, rocks and minerals, insects, shells, dinosaur bones, and the first American saber-toothed tiger, discovered on a museum-sponsored expedition to Florida in 1886.

Barnes Foundation. 2025 Ben Franklin Parkway, Philadelphia PA 19130. https://www.barnesfoundation.org/

In addition to the permanent collection, a special exhibition will feature <u>Marie Cuttoli:The Modern Thread from Miró to Man Ray</u>. February 23 – May 10, 2020. How one visionary woman revived the art of tapestry weaving for the modern era.

Eastern State Penitentiary. https://www.easternstate.org/ 2027 Fairmount Ave., Philadelphia PA 19130.

Eastern State Penitentiary was once the most famous and expensive prison in the world, but stands today in ruin, a haunting world of crumbling cellblocks and empty guard towers. Its

vaulted, sky-lit cells once held many of America's most notorious lawbreakers, including "Slick Willie" Sutton and "Scarface" Al Capone.

African American Museum. https://www.aampmuseum.org/ 701 Arch St. Philadelphia, PA 19106.

Special Exhibits: *Through His Eyes: Youth Activism in Philadelphia's Civil Rights Era*. On view Jan. 17 – June 1, 2020. *Anna Russell Jones. The Art of Design*. March 20 – May 31, 2020

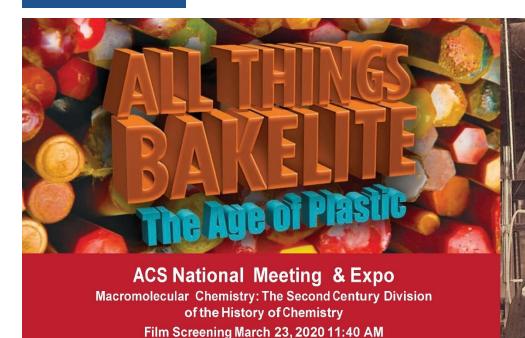
Orchid Extravaganza at Longwood Gardens. 1001 Longwood Road, Kennett Square, PA. January 18-March 22, 2020. The Longwood Gardens are introducing their annual orchid exhibition, with some of the most beautiful and rarest orchids in their conservatory. The whole exhibition is arranged by expert horticulturists from the area. Tickets start at \$23 for adults, \$20 for seniors and college students, \$12 for youth (5-18) and free for children under 4.



This event is for early to mid-career professionals in the chemical industry and will cover a variety of currently relevant and important topics. The program includes keynotes from top industry leaders, breakout roundtable sessions and panel discussions.

Date: Tuesday March 24, 2020
Time: 5:00 - 7:00 PM
Science History Institute
315 Chestnut Street Philadelphia, PA 19106
Building Future Leaders in the Chemical Enterprise:
Strategies and Techniques to Succeed in Today's Climate
Register for the Event:

Career Networking and Professional Development Event



Pennsylvania Convention Center, Room 120C

All Things Bakelite: The Age of Plastic, tells the joyous and provocative story about the "Father of Modern Plastic," Leo Hendrik Baekeland. In 1907, this Belgian-born American chemist made one of the most transformative discoveries of the 20th century, the first wholly synthetic plastic, which he called Bakelite. This invention was integral to the beginning of the modern industrial age, ushering in a myriad of plastics that have improved our lives and supported critical advancements.

History comes alive in this unique and innovative 59 minute documentary. Reenactments of Baekeland's life, rare archival footage, photos and journal entries, interviews with scientists, historians, artists and satirical musical performances capture both the wonder and the curse of Baekeland's discovery.

"The Bakelizer"
Courtesy Smithsonian National Museum
of American History

The primary source and inspiration for this illuminating film is great grandson of Baekeland, Hugh Karraker, the film's executive producer. While the film celebrates Baekeland, his invention and its descendants, it does not shy away from the global plastic problem. In the end, it offers a view into essential solutions.

The event is cosponsored by CELL G.D. Patterson, S.C. Rasmussen, N.V. Tsarevsky, Organizers, Presiding

Learn more about the history www.AllThingsBakelite.com.





GUESS THE MOVIE FILMED IN PHILADELPHIA

Each of these twenty-five movies was filmed (in whole, or in part) in Philadelphia.

- 1. A struggling boxer gets his chance for fame and glory when a heavyweight champion comes to town.
- 2. A prostitute witnesses a murder and promptly becomes the lead suspect. She teams up with the victim's son to track down the real killer.
- 3. A movie sound effects technician accidentally records a murder involving a politician and struggles to find the truth and bring it to light.
- 4. A homeless man and Wall Street broker switch lives in this comedy.
- 5. A mannequin comes to life and falls in love with a young artist -- but their love is complicated (obviously) in this romantic comedy.
- 6. A former baseball player remembers his childhood love after finding out she has committed suicide.
- 7. A man is torn between two women in this film based on the classic Edith Wharton novel.
- 8. A lawyer is fired after it comes out he is gay and has AIDS. He takes his case to court with the help of another lawyer, arguing that he was wrongfully fired.
- 9. A convict is sent back in time to track down a virus that will eventually kill almost all of mankind. Instead he finds himself hospitalized in an insane asylum. He has to prove to the doctor that he is sane in this sci-fi noir.
- 10. A former slave kills her daughter in an attempt to save her from becoming a slave. Years later she is haunted by a poltergeist and meets her daughter's reincarnation.
- 11. A psychologist tries to help a young boy who says he can see ghosts.
- 12. A group of thieves team up to complete an elaborate heist.
- 13. A man struggles to develop a relationship with his daughter after his wife is killed during childbirth.
- 14. A historian thinks he may have found the key, hidden in historical artifacts, to a great treasure.
- 15. Two sisters are driven apart after one sleeps with the other's boyfriend. It'll take their estranged grandmother to bring them back together.
- 16. A film depicting the story of Eagles wide receiver Vincent Papale.
- 17. A veteran tries to track down the truth after being framed for murder.
- 18. A young couple adopt a dog that isn't the easiest to be trained, but is easy to love.

- 19. An old professional wrestler struggles to maintain both his health and his reputation, all the while attempting to heal the relationships he has with his family.
- 20. A young woman watches from a heaven of sorts, unable to move on, as her family deals with the aftermath of her death, including trying to track down the man who raped and killed her.
- 21. A college student teams up with a group of alien robots trying to save the world from another group of alien robots. Both of the robots can transform into cars.
- 22. A struggling writer is given a drug which allows him to use every part of his brain. Unfortunately, its effects are temporary and his supplier is mysteriously murdered.
- 23. An ex-cop has to protect a child from the Russian mob, corrupt police and Chinese Triads.
- 24. An unexpected bond forms between two misfits just trying to get by.
- 25. A man tries to get revenge on the mob for the death of his wife and daughter.

ANSWER KEY:

1. Rocky, 2. Dressed To Kill, 3. Blow Out, 4. Trading Places, 5. Mannequin, 6. Stealing Home, 7. The Age of Innocence, 8. Philadelphia, 9. Twelve Monkeys, 10. Beloved, 11. The Sixth Sense, 12. The Italian Job, 13. Jersey Girl, 14. National Treasure, 15. In Her Shoes, 16. Invincible, 17. Shooter, 18. Marley & Me, 19. The Wrestler, 20. The Lovely Bones, 21. Transformers 2: Revenge of the Fallen, 22. Limitless, 23. Safe, 24. Silver Linings Playbook, 25. Dead Man Down



READY FOR A SHOPPING BREAK??

We have you covered!

- > the nation's oldest continuously operating farmer's market
- > the nation's oldest and largest working outdoor market
- > the largest shopping complex on the East Coast
- ➤ a 1.6 million-square foot enclosed outlet mall
- America's oldest Diamond District plus many trendy and high-end boutiques, vintage shops, and other one-of-a-kind shops!!

Farmer's and Outdoor Markets

Reading Terminal Market — Experience over 80 unique merchants who sell fresh produce; Amish specialties; fresh meats, seafood, and poultry; unique, handmade pottery, jewelry and crafts from around the world. Located at 12th & Arch Sts., the nation's oldest continuously operating farmer's market is open every day 8 AM - 6 PM. Note that Pennsylvania Dutch vendors have limited hours. More information can be found at http://www.readingterminalmarket.org/.

Italian Market — Dozens of street vendors can be found lining south 9th Street selling fresh vegetables, fish, meat, spices and produce from their stalls while gourmet shops and restaurants occupy the storefronts between the stalls. Located at S. 9th Street and Washington Avenue (along 9th Street between Wharton and Fitzwater). Business hours vary more information can be found at https://italianmarketphilly.org/.

Malls

King of Prussia Mall — The largest shopping complex on the East Coast boasts 6 department stores and over 400 shops and restaurants — there's something for everyone here! It's located just 15 miles west of Philadelphia on Route 202 at Mall Blvd., where I-76 meets the Pennsylvania Turnpike. The mall is open Mon-Sat 10 AM - 9:00 PM, Sun 11 AM - 6 PM.

Fashion District –The Fashion District is Philadelphia's newest destination for shopping, dining, entertainment, art, and culture. Centrally located in downtown Philadelphia, from 8th St. to 11th St. between Market St. and Filbert St. the fashion district is conveniently located near the Convention Center and Reading Terminal Market. More information can be found at https://fashiondistrictphiladelphia.com/.



Specialty Shops

Jewelers Row — America's oldest Diamond District! Located from Walnut to Market Street and 7th to 9th Street, you'll find jewelry stores, retail shops, and restaurants. Many shops are open seven days a week check https://jrow.org/ for more information.

Antique Row — A local favorite spot to search for that antique book, stained glass, or furniture you've been after! It's located just six blocks from the Convention Center along Pine Street between 9th and 13th Streets. Hours vary by store.

High End Boutiques, Vintage Shops and One-of-a-Kind Shops

Rittenhouse Row — Located from the Avenue of the Arts to 21st St. and from Spruce to Market Streets, it features international upscale retailers as well as trendy, independent specialty shops. Hours vary by store.

Main Street in Manayunk — With over 50 shops, trendy boutiques and galleries, you're sure to find that one-of-a-kind item you're looking for here! It's located just minutes from Center City along Main Street (4300 Main Street). Hours vary by store.

Old City — Visit the "liveliest urban neighborhood between Soho in New York and SoBe (South Beach) in Miami," according to *National Geographic* magazine. Offering over 100 vintage and high-end fashion boutiques and home furnishings, it's located along the 2nd and 3rd Street corridors of Old City. Hours vary.

South Street — Stop by Philadelphia's famous street to check out an eclectic lineup of shops, many independently owned. The shops are located on South Street, between Front and 8th Streets. Hours vary.

DIRECTORY OF SERVICES

CAREER DEVELOPMENT

Being a part of one of our teams can help you develop organiza tional and meeting skills as well as help you to network with people from the largest area companies. Public Relations, such as sending out meeting notices and press releases, can help you to develop a network and help you get noticed!

All committees are looking for new members and several are looking for "take charge" chairs. Some, like the Teller's Committee, involve minimal work-one night per year and pizza provided. Others, like positions on Communications or Social Committees, involve one or two hours per month.

Comittee details can be found at:

www.membership.acs.org/p/philadelphia

or by calling the Philadelphia Section Office (215) 382-1589.

Custom Synthesis of Chemicals

Gram to Commercial Production On-time Delivery, Quality & Competitive Price

TYGER Scientific Inc.

324 Stokes Ave. Ewing, NJ 08638 Phone: 888-329-8990

Email: sales@tygersci.com

SURPRISE

our editor by calling and saying you appreciate the quality and content of our newsletter. Our editor works hard to maintain a publication of interest to our membership. Oh, and by the way you could also give credit to our advertisers who financially support us.

VOLUNTEER

Committees seeking team members

- Career Services
- Chemical Health & Safety
- **Diversity**
- Industrial Relations
- Legislative Liaison
- Liaison
- Membership
- Planning Public Relations
- Social
- Student Affiliate Mentor
- Awards
- Continuing Education
- **Natnl Chemistry Week**
- Program
- **Publications**
- Tellers
- Web Page
- Younger Chemists Women Chemists

Contact the Section Office at PhilaACS@gmail.com or (215) 382-1589

Put "Volunteer" in the subject line or leave a message including contact information.



Micron Analytical Services

COMPLETE MATERIALS CHARACTERIZATION MORPHOLOGY CHEMISTRY STRUCTURE

SEM/EDXA • EPA/WDXA • XRD XRF • ESCA • AUGER • FTIR • DSC/TGA

Registered with FDA • DEA

GMP/GLP Compliant

3815 Lancaster Pike Wilmington DE. 19805 E-Mail micronanalytical@compuserve.com Voice 302-998-1184, Fax 302-998-1836 Web Page: www.micronanalytical.com

Robertson Microlit Laboratories

Where speed and accuracy are elemental

Elemental CHN, S, X, Analysis (same day service) Metals by ICP-OES, ICP-MS, A/A FTIR, UV/VIS Spectroscopy Ion Chromatography

GC-MS **Polarimetry** DSC, TGA, melting point KF Aquametry, Titrimetry

1705 U.S. Highway 46 · Suite 1D · Ledgewood, NJ 07852 · 973.966.6668 · F 973.966.0136 www.robertson-microlit.com • email: results@robertson-microlit.com

Rapid Results • Quality • Accuracy • Competitive Pricing

ADVERTISING INDEX

ACS	68
Bakelite	63
Micron Inc.	68
Robertson Microlit Labs	68
Tyger Scientific, Inc.	68

Advertising: vtortorelli@ursinus.edu