

NCCHPS

Northern California Chapter-Health Physics Society
March 2020



NCCHPS March 2020 Dinner Meeting

Thursday, March 19, 2020

6 pm Social - 7 pm Dinner - 8 pm Technical Presentation

Trader Vic's Restaurant, Emeryville



Ready for the Unthinkable: The State of Public Safety Radiological Preparedness in the Bay Area

This presentation will discuss the current state of radiological and nuclear preparedness efforts in the San Francisco Bay Area by municipal public safety agencies, including how forging strong partnerships with allied agencies and the private sector can increase success in protecting our communities. An overview of the basic training level, equipment loadout, and capabilities of a typical public safety HAZMAT team will be presented. Additionally, the lessons-learned from select regional exercises and real-world missions will be discussed. This presentation will cover both the preventative "left-of-boom" mission to detect and interdict threats, as well as the "right-of-boom" consequence management mission to deal with the aftermath of a radiological/nuclear event, with the goal of a successful response ultimately leading to community recovery.

About the Speaker: Gail Carter

City of Santa Clara Fire Department

Gail Carter is a career firefighter and hazardous materials specialist for the City of Santa Clara Fire Department. He has a career specialty in public safety emergency radiological response, and is qualified as an NFPA 472 Radiation Specialist. He is also among the first typed and deployable FEMA-CBRN Radiological Operations Support Specialist (R.O.S.S.) responders in California. In addition to being an active first responder, he also serves as a state-certified HAZMAT outreach instructor for CalOES and a state fire marshal certified training Instructor. He has been involved in preventative radiological/nuclear detection (PRND) operations in the Bay Area since the preparation phase leading up to Super Bowl 50 in 2016, and continues to play an active role in steady-state joint hazard assessment team (JHAT) operations for his agency. He joined the Health Physics Society in 2016 with a Homeland Security focus. His background prior to the fire service includes service in the Naval Nuclear Power Program and operations work in the commercial nuclear power industry.



Philotechnics, Ltd. is a full-scope radiological services company headquartered in Oak Ridge, Tennessee with an additional licensed facility in San Diego, California. At the very core of our philosophy is our commitment to being the most responsive, broad-spectrum radiological services provider in the nation – dedicated to advising you on the most appropriate and cost effective method to accomplish your objectives.

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- *Decontamination & Decommissioning / Health Physics Services* – to support license terminations and radiation safety management
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Burton J. Moyer Fellowship News



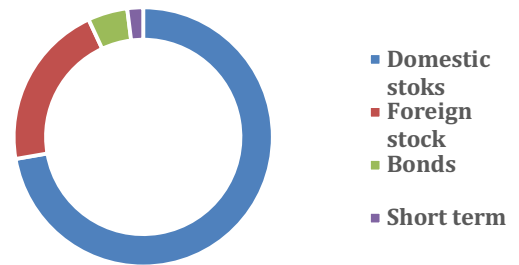
The Burton J. Moyer Fellowship (BJMF) was established 35 years ago by NCCHPS. The total annual award, valued at \$11,000, is provided on competitive basis to the most eligible candidate. The BJMF is co-sponsored by the Health Physics Society (HPS). The NCCHPS BJMF Committee was established and continues to operate in accordance the NCCHPS bylaws. The Committee bears both the fiduciary responsibility of maintaining the BJMF Fund, as well as, the operational responsibility to provide a recommendation identifying the most eligible candidate. Any NCCHPS member who would

like to join the NCCHPS Fellowship Committee and participate in candidate selection should contact Radoslav Radev, the Committee Chair.

The current value of the BJMF Fund is \$173,374 (2/10/2020) and obviously can fluctuate with the stock market. The BJMF investment portfolio consists of 7 diversified Fidelity Mutual Funds. As per Fidelity the current BJMF asset allocation most closely resembles Aggressive Investment.

The allocation of BJMF in broad categories is provided below.

Moyer Fund Assets Allocation



The 1-year return for the entire BJMF portfolio is 27.9%. The 1-year BJMF balance history is provided below.

Many NCCHPS members have financially contributed to the success of the fellowship since its inception and continue to do so.

Thank you to all those who contribute regularly to the Burton J. Moyer Memorial Fellowship Fund —your contributions over the years have really made a difference!

Tax deductible donations to the BJMF Fund are appreciated in any amount. Checks payable to NCCHPS may be sent to our Treasurer, with the notation “For the Moyer Fund” or you can contribute with one combined check when you pay for your dinner meeting. Please indicate if you wish your donation to remain anonymous.



Burton J. Moyer Fellowship Committee



Request for Nominating Committee Volunteers

Dear NCCHPS members,

With upcoming elections, we are seeking volunteers to serve on the nominating committee. The nominating committee is a temporary committee comprised of one Chairperson and 2-3 additional members, responsible for finding at least two candidates for each open position on the upcoming ballot. The list of candidates will need to be finalized by the end of March so that ballots can be prepared in early April.

The open positions this year are Member-at-Large, Treasurer and President-Elect.

- Member-at-Large (2-year term): The first year, you manage the logistics for our dinner meetings (find and book the venue and catering). The second year, you manage the presentation setup at the dinner meetings (computer, projector, and sound for the technical presentation).
- Treasurer (2-year term): You keep and maintain accounts of the NCCHPS's properties and business transactions. Submit an annual report to the Membership at the Annual Meeting, summarizing the financial status of the NCCHPS.
- President-Elect (total 3-year term): The first year, as President-Elect, your main responsibility is to find and schedule speakers for our dinner meetings, provide speaker biography and topic summary for the newsletter and website, and introduce the speaker before the presentation. The second year, as President, you ensure the dinner meetings run smoothly, manage communications with national HPS contacts, and do whatever else needs to be done. In the third year, as Past-President, you remain on the Board of Directors for continuity and fill in for others as needed.

If you are interested in serving on the nominating committee or are interested in running for any board member positions please contact one of the current board members.

Thank you,

The NCCHPS Board

PANEL OF EXPERTS FROM UC SAN FRANCISCO AND UC BERKELEY COMPLETES REVIEW OF RADIATION TESTING PROCEDURES AT HUNTERS POINT SHIPYARD

Review found that the State's scanning of Parcel A was appropriate as a health and safety survey and the Navy's planned approach to retesting Parcel G is appropriate, pending U.S. EPA's approval

San Francisco, CA — Mayor London N. Breed, City Attorney Dennis Herrera, and Supervisor Shamann Walton today received the findings from University of California, San Francisco (UCSF) and University of California, Berkeley experts regarding their review of the radiation testing procedures used at the Hunters Point Shipyard. The Shipyard is the future site of over 4,800 homes, as well as 4.3 million square feet of office and research and development space, 258 acres of open space, and artist, retail, and community spaces.

In response to a request by the Mayor, the City Attorney, and Supervisor Walton, the panel of UC experts independently evaluated the appropriateness of the testing protocols for Parcels A and G at Hunters Point Shipyard. The report concludes that the California Department of Public Health's (CDPH) health and safety scan on Parcel A was appropriate as a health and safety survey. The report also concludes that the Navy's partial Work Plan and proposed procedures for the retest of Parcel G are appropriate, as long as the final plan meets the U.S. Environmental Protection Agency's (EPA) approval. The report further recommends that any determination as to the appropriate development on Parcel G not be made until all of the retesting data are available for review.

The report can be viewed at www.ucsf.edu/news/2020/01/416471/ucsf-releases-report-hunters-point-naval-shipyard-testing-protocols. Supervisor Walton will host a community meeting to discuss the report on Tuesday, January 28th, 2020, at 7:00pm at 451 Galvez Avenue, San Francisco, CA 94124. UC experts will be available to answer questions about the report.

Mayor Breed, City Attorney Herrera, and Supervisor Walton stated:

"To address concerns and questions from the community regarding the testing conducted at the Shipyard, we asked UC San Francisco and UC Berkeley to conduct an impartial analysis of the procedures for Parcels A and G. Nothing is more important than the health and safety of the people living in the Bayview and Hunters Point, and this community deserves transparency. We greatly appreciate the work of experts from both UCSF and UC Berkeley to conduct a thorough and independent scientific review of CDPH's procedures for Parcel A and the Navy's cleanup plans for the rest of the shipyard. The next step in this process is to make sure the residents of the area are informed about the findings from this report and that everyone has an opportunity to hear directly from the experts at UCSF and UC Berkeley about their findings."

In April of last year, Mayor Breed, City Attorney Herrera, and Supervisor Walton announced that experts from UCSF and UC Berkeley would conduct an independent and objective review of the radiation testing procedures used at the Hunters Point Shipyard. The goal of this review was to determine if the radiation testing procedures established by state and federal regulatory agencies at the Hunters Point Shipyard were appropriate and sufficient.

UC researchers conducted interviews with different entities including the EPA, the United States Navy, CDPH, San Francisco Department of Public Health (SFDPH), individual experts, community members and environmental advocates. The UC researchers also participated in a community listening session coordinated by Supervisor Walton and the Hunters Point Shipyard Citizen's Advisory Committee to hear directly from residents and community members.

All inquiries regarding specifics about the independent review should be made to Laura Kurtzman at Laura.Kurtzman@ucsf.edu.

HUNTERS POINT SHIPYARD (CONTINUED)

The Hunters Point Shipyard is composed of approximately 496 acres along the southeastern waterfront of San Francisco that will be developed in two distinct phases. At full build-out, both phases of Hunters Point Shipyard will consist of approximately 4,882 units of housing (Shipyard Phase 1: 1,428 housing units; Shipyard Phase 2: 3,454 housing units), 4.3 million square feet of office and research and development space, 258 acres of open space, and artist, retail, and community spaces.

The Hunters Point Shipyard is divided into different parcels that are grouped into two separate development projects: Shipyard Phase 1, also referred to as Parcel A, consisting of two sub-parcels, Parcel A-1 and Parcel A-2. Shipyard Phase 2 includes all remaining Shipyard land.

Shipyard Phase 1 is not part of the federal Superfund site, and has been confirmed by the EPA to be safe for people to live and work. In response to community concerns, the City, federal and state regulatory agencies requested that the CDPH conduct a radiological survey of Shipyard Phase 1. In 2018, CDPH performed a radiological health and safety scan of Parcel A and concluded that it did not pose radiological health or safety hazards. The scope of that work is part of this independent review.

The land in Phase 2 is an environmental "Superfund" site that required extensive clean-up by the Navy. Under state and federal law, a number of regulatory agencies provide oversight of the clean-up of the Hunters Point Shipyard including the EPA and two departments within the California Environmental Protection Agency: the Department of Toxic Substances Control and the San Francisco Bay Area Regional Water Quality Control Board. The City, through the SFDPH, also closely monitors the Navy cleanup. A portion of Shipyard Phase 2 land is now the subject of an investigation into fraud committed by a former Navy contractor, which the Navy hired to test the Shipyard Phase 2 parcels after the Navy completed its environmental clean-up work.

The Navy has agreed to re-test portions of Shipyard Phase 2 land where the former contractor performed work. Parcel G is one of several parcels in Shipyard Phase 2 that is owned by the Navy and will be the first parcel to be retested. The Navy, EPA and other regulators must finalize a Work Plan for each parcel prior to retesting. The Navy has issued a draft Work Plan for how retesting will happen on Parcel G. The Navy has hired new companies to re-test Shipyard Phase 2 land and to provide additional oversight. The effectiveness of the protocol that is being proposed by the Navy and the EPA is part of this independent review.

To date, 439 units have been built with another 66 currently under construction at Shipyard Phase 1. No development is currently occurring on any of Shipyard Phase 2 parcels, and development will not occur until a thorough re-testing of the Shipyard Phase 2 parcels is complete and is determined by the regulatory agencies to be safe. Though the Master Developer has paused all development of Shipyard Phase 2, pre-development work is currently underway at Candlestick Point. Once completed, Shipyard Phase 2 will have 3,454 new housing units and Candlestick Point will have 7,218 new units. Of the 12,100 total housing units, approximately 32% will be affordable. In Candlestick Point, 337 replacement and new affordable housing units in Alice Griffith have been built and are occupied.

Support the HPS and Win a Tesla—Win/Win!

(Photo courtesy of Tesla)

Picture yourself in a brand-new [Tesla Model 3 Long Range](#).

The HPS Board of Directors has authorized a raffle to benefit the HPS Fund and thus the HPS. For each \$50 donation, you get an entry to win a Tesla Model 3 Long Range! Or you can elect to take the \$45K in cash. Chances of winning are excellent because only 2,000 entries will be allowed. The drawing will be held 7 July 2020 at 3 p.m. Eastern.



You can go to [the raffle web page](#) for more information, to make your donation to the HPS, and put your name in for a chance(s) to win.

The HPS Fund is the charitable arm (501c3) of the HPS. Donations to this fund, in this case, are considered unrestricted (i.e., donors have not indicated a specific purpose for the use of their donation) so will be expended in a manner deemed most appropriate by the Board. These may include, but are not restricted to, student travel to meetings, committee needs, support of HPS meetings, and furthering the progress of the HPS strategic plan.

HPS Responds to Misinformation in *Rolling Stone* Article

Emily Caffrey, ATE Editor in Chief

Rolling Stone magazine recently [published an article](#) about oil and gas truckers and their potential exposure to TENORM. The article contained significant inaccuracies, and together with a number of Health Physics Society (HPS) TENORM experts, the Ask the Experts (ATE) staff drafted a response that points out the most egregious errors. Check out [the response on the HPS website](#) and pass it along to others who might be interested!

A huge thank you to David Allard, Jan Johnson, Gary Forsee, Philip Egidi, John Frazier, Jim Grice, and the numerous others who helped with the response!

<p>Upcoming NCCHPS Meetings...</p> <p>March 19, 2020 Dinner Meeting Gail Carter City of Santa Clara Fire Dept.</p> <p>May 21, 2020 Dinner Meeting Affiliates Night</p> <p>Mailing Address: NCCHPS 4435 First Street #141 Livermore, CA 94550</p> <p>Email: ncchps@gmail.com</p> <p>Website: http://hpschapters.org/ncchps/</p> <p>Newsletter Editor: Warren TenBrook warren@tenbrook.org (925) 423-1470</p> <p>Affiliate Liason: Nelson Chiu ncchpsaffiliatecontact@gmail.com (414) 559-5586</p>	<p><u>The Next NCCHPS Meeting!</u> Thursday, March 19, 2020 Social Hour 6 pm Dinner 7 pm Presentation 8 pm</p> <p>Trader Vic’s Restaurant 9 Anchor Dr, Emeryville, CA 94608 (510) 653-3400</p> <p><u>Buffet Menu:</u> Passed Appetizers Brie Crostini w/ spiced honey Teriyaki Tenderloin Bites</p> <p>Buffet Items Caesar Salad Garlic Miso Prawns Mango Chili Beef Roasted Chicken w/ tropical salsa Vegetable Chow Mein Garlic Potatoes Stir-Fried Seasonal Vegetables Steamed Jasmine Rice</p> <p>Dessert Chocolate Banana Bread Pudding w/ whipped cream on the side</p> <p>Reserve at the following web link by midnight, March 11, 2020:</p> <p>https://forms.gle/nTQ8ynUCf62f4uV9</p> <p>NCCHPS members \$30 (\$35 @ door) NCCHPS guests \$35 Students \$10 Non-members \$40</p> <p>Only online registrations accepted. Contact Rick Thacker thacker3@llnl.gov ONLY if you encounter difficulties using the form. Please note to avoid unnecessary cost, you may be charged for no-shows. Cancellations may not be made after the RSVP deadline.</p>	<p><u>2019-2020</u> <u>NCCHPS</u> <u>Board Members:</u></p> <p>President-Elect Harrison Agordzo, Stanford University hagordzo@stanford.edu</p> <p>President Maranda Cimeno Genentech, Inc. cimeno.maranda@gene.com</p> <p>Secretary Heather Byrnes LLNL Byrnes7@llnl.gov</p> <p>Treasurer Tracy Jue California Dept Public Health tracy.jue@cdph.ca.gov</p> <p>Member-at-Large Jesse Hendricks UC Berkeley jesse.hendricks@gmail.com</p> <p>Member-at-Large Rick Thacker LLNL thacker3@llnl.gov</p>
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