IT HAPPENS IN MARINSHIP

An Innovation Zone for

Dreamers, Doers, Makers, Educators,

Artists and Artisans



Sausalito's Maritime Heritage Will Continue to Foster an Environment for skilled maritime artisans, artists, designers and technology innovators for economic growth and environmental sustainability.

Forward

Sausalito's Marinship is the most intact of the remaining World War II shipyards. In 1942, W.A. Bechtel Co. and the United States Maritime Commission created Marinship by destroying the 35 homes in the Pine Hill neighborhood with dynamite and bulldozing the hill to fill Richardson's Bay. Not only was a Sausalito neighborhood sacrificed for this temporary shipyard, but the 24/7 schedule of this effort led to the death of workers in industrial accidents during the construction of the Liberty Ships and Tankers. To the residents of Sausalito, and the nation, Marinship is <u>hallowed around.</u>

After the war, Sausalito's waterfront reverted to what it had been, a maritime community of boatbuilders, and light industry. Eventually, in the 1960's Sausalito's waterfront became a draw to a local group of artists, writers, poets and artisans. Don Arques owned most of the property in northern Marinship. It was through his generosity that the artist and musicians and craftsman were allowed to live in boats on his property at little or no cost. He is considered the father of the cultural legacy of maritime craftsman, artists and artisans which has evolved into a community of Dreamers, Doers, Makers, Artists and Artisans.

Most at-risk now are the maritime and light industrial businesses. These areas are protected through our zoning regulations and the Marinship Specific Plan. Even though new office building development is not allowed, most industrial space have already been converted to office uses. According to the April 2019 issue of Latitude 38 (page 99) this protection takes "political will in the face of enormous demands to redevelop the lands for their <u>highest and best use</u>, a loaded term favored by developers and politicians that overstates current benefits and understates long-term benefits in land use."

The current Sausalito General Plan Update process should result in an environment where innovation, artist, maritime and light industrial uses receive a strengthening of protection, rather than the erosion of it. The Marinship Specific Plan was created with the intent of putting a halt to over-development of office buildings (many of which to this day remain chronically under-utilized) and to preserve the maritime, light-industrial and artistic uses that are in the Marinship. The Marinship Specific Plan stands in the way of developers. Remember that when you hear that it needs to be scrapped, a decision that the City Council has already articulated. Remember that when you hear that other uses or increased densities are needed. Remember that when the trojan horse of "high revenue uses" is rolled into the Marinship.

Will sea-level rise and infrastructure improvements be used to justify public/private partnerships and development plans, while ignoring low impact technological alternatives? Will the future of the Marinship be ransomed for an expedient short-term increase in the city's tax base? Changes are needed in the Marinship, but not those requiring high impact development that will degrade and damage Sausalito. Watch the proposed changes in uses, densities and parking requirements. Beware and be vigilant...or be ready to lose what we have now and what we should foster for the future.

PLEASE HELP US SAVE OUR JOBS, OUR CULTURAL AND HISTORIC HERITAGE...AND OUR PLACE IN THIS COMMUNITY.

Who We Are

The <u>Sausalito Working Waterfront Coalition</u> is a diverse community of local business owners, employees, property owners, artists, and residents that supports the legacy of Sausalito's waterfront history and culture while promoting maritime, artistic and light industrial innovation. The Marinship is home to over two hundred maritime and industrial enterprises and artists, forming a thriving zone of creativity ranging from boat construction, ferry electrification, welding and 3-D prototyping and fabrication, robotics and artists working on textiles, quarried stone or canvas. This network draws from a cultural legacy of maritime craftspeople, artisans and creators empowering new generations of "makes, doers and dreamers" take root and grow. We welcome every resident and business owner, artist and employee who shares these ideas. Join us. <u>www.sausalitoworkingwaterfront.org</u>

Our Mission

The mission of the Sausalito Working Waterfront Coalition is to Communicate and Safeguard the legacy of the historic maritime and cultural heritage of the Marinship and to Promote the continued growth of an enterprise zone with roots in maritime, artistic and light industrial innovation.

Our Vision

We see the future of the Marinship as a vibrant and clustered modern manufacturing community where businesses are provided the stability to invest, grow and continue to flourish. We envision an environment where innovation, artist, maritime and light industrial uses receive a strengthening of protection, rather than the erosion of it. In the future, the Marinship and Sausalito could benefit from initiatives like a Waterfront Community Arts and Fabrication Maker Space where a tall ship can be built (the Matthew Turner) or a historic ferry paddle wheel can be restored (the Van Damme) or a new art installation can be created, or kids can learn about robotics. We advocate for an environment where businesses would have access to industrial and artistic tools and resources that allow them to prototype new ideas and experiment with hands-on business concepts. Over the past 10+ years seven patents have come out of the Marinship and been turned into products. This was accomplished in a relatively hostile industrial climate in the Marinship. We see a change that embraces this kind of accomplishment rather than ignores it. We see a future of stewardship of our maritime, industrial and artist heritage in the decades to come bringing continued economic and community vitality.

DREAMERS

Alan Olson had a dream...



In 1891 Matthew Turner built the Galilee, a brigantine tall ship. After many lives as a trans-Pacific cargo ship, a magnetic observatory, and a fishing vessel, the Galilee came to rest on the shores of Sausalito in 1968.



Some of her remains still lie buried in mud next to her namesake Galilee Harbor.

With the help of local architect and longtime resident Michael Rex in securing a site and the residents of Sausalito volunteering their time and skills, her namesake, the Matthew Turner begins to take shape.



www.sausalitoworkingwaterfront.org



The photo above is of 'Matthew Turner' being launched. We thank the U.S. Army Corp of Engineers and the Bay Model as they have been an integral part of creating & contributing to the success of Sausalito's tall ship 'Matthew Turner'. The Army Corps staff have played key roles in technical and resource assistance.



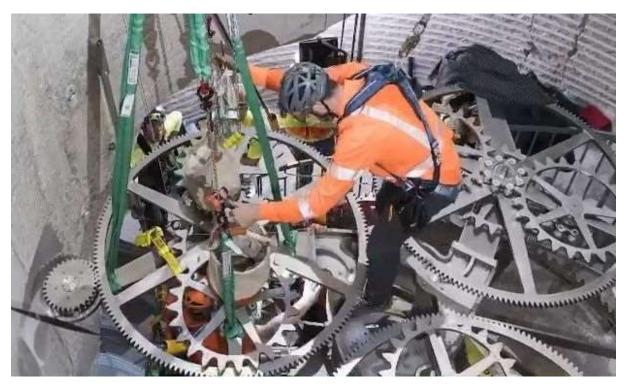
190,000 volunteer hours later (that's equivalent to 91 people working full time for a year), the Matthew Turner floats on Richardson Bay, a testament to what the dreamers of Sausalito can accomplish. Matthew Turner is a 2-masted brigantine with two 200 kW electric motors regenerating power under sail and two 265 kW bio-fuel generators.



'Matthew Turner', laying alongside the U.S. Army Corps Pier, her home port. The U.S. Army Corps is essential to keeping her in Sausalito. Eighty percent of the donations to the project were from people who either live or work in Sausalito. 'Matthew Turner' is an example of Sausalito's maritime heritage come to life through the support of our community.

An Achievement in Sustainability: The 10,0000 year clock, a dream being brought to life with the help of Sausalito locals...

Deep inside a west Texas mountain a 200 feet tall clock is being built. It is powered by the Earth's thermal cycles and is designed to tick once a year. The clock is the brainchild of Danny Hillis and has been in the works for nearly three decades.



In 1996, Stewart Brand, a floating home resident of Sausalito, created the Long Now Foundation, a think-tank dedicated to help make long-term thinking more common. The foundation was formed to help make the 10,000-year clock a reality. Stewart Brand is the author of the Whole Earth Catalogue.



The current director of the Long Now Foundation and project manager of the 10,000-year clock is local designer Alexander Rose. Alexander grew up on the Arques property in the Marinship amongst the shipwrights and artists and artistans.







Components of the 10,000-year clock are being manufactured in Sausalito by local technicians. The project is being funded by Jeff Bezos and no completion date has yet been set.



Doers

Sausalito has over 2000 boat slips among its nine marinas. Additionally, we have nearly 450 floating homes on Richardson Bay that call Sausalito home. Maritime business activity in Marinship supports this community of boaters and floating homeowners as well as commercial and government agency activity throughout northern California. Furthermore, Marinship contains both light-industry and technology innovation centers and businesses. These businesses thrive in Sausalito and contribute to the economic well-being despite less than ideal conditions. Beyond this, these businesses reflect Sausalito's maritime heritage and culture.

The Shipways



Sausalito's shipways and boatyards haul boats for maintenance, repair and retrofit. SUSTAINABILITY. Bayside Boatworks in Sausalito converted the Hornblower Hybrid Ferry of Alcatraz Cruises from a diesel-engine vessel into a hybrid ferry that uses a combination of diesel-powered Tier-2 generators, electric motors, vertical-axis wind turbines and photovoltaic solar panels to power it around the bay. In March of 2019, the vessel sits hauled out at the boatyard to undergo its periodic maintenance.

Next to the Hornblower is the "Reelization" from Half Moon Bay. The vessel's engine is being replaced funded mostly by the California State Carl Moyer Program whose goal it is to replace older engines with cleaner-than required engines to achieve reductions in emissions of key pollutants. Bayside Boatworks has been involved in Carl Moyer engine replacement for several years and has contracts for an additional 3 vessels in 2019.

Later this year the San Francisco Phoenix fireboat is scheduled for a haul-out. In 1989 following the Loma Prieta earthquake the Phoenix fireboat pulled up to the Marina-district lagoon and began pumping water to the fires. At the time mayor Feinstein said the Phoenix "unquestionably saved the Marina from a greater catastrophe." The Phoenix – a good friend for Sausalito to have.







Bayside Boatworks has serviced and maintained San Francisco fireboats including the airport fireboat for over 10 years. It also services commercial fishing vessels, coast guard vessels, cruising yachts, ferries and classic wooden boats including Sausalito's Pride-The Matthew Turner.



Floating Homes



Ian Moody at Aquamaison Inc. (2350 Marinship) has been building floating homes and concrete barges at the same location in Sausalito for the last 30+ years and is the premier company in its field. Many of the Aquamaison Inc. floating homes have been featured in Architectural Digest, Home Beautiful and other publications. Aquamaison has consulted internationally for the industry including the Ecuadorian Coast Guard. Aquamaison has successfully completed over 50 retrofits creating additional living and storage space, and the peace of mind for the owners who no longer worry about sinking. With our heightened awareness of sea-level rise, new floating home concepts are expected to emerge.



Two new floating home currently under construction (May 2019).



Aquamaison is wellpositioned to become the home of new state of the art sustainable concrete technology for future floating foundations to mitigate sea-level rise. List Marine has served Sausalito and Bay Area residents marine engine needs for over 30 years. Hans List(below) now runs the business started by his father Tom in 1984.



Ross Sommers (below), owner of Richardson Bay Boatworks learned his craft as a shipwright from his father. Harold Sommers restored the 1883 Schooner Wander Bird, selected in 1995 by the Smithsonian Institute as the most significant vessel restoration done by a private individual in the United States.





3 Generations of Sausalito Shipwrights. Jim Linderman Jr is a Sausalito Shipwright. He follows in the footsteps of his father Jim Linderman Sr (below) and grandfather.





Mike Linder began working part-time in his boatyard over 42 years ago as an apprentice working his way through college. He has been the owner of Bayside Boatworks since 1988. We have over 2000 boats in Sausalito, we need our Friends that Work in the Marinship to take care of those boats. Here are a few of them.





Lisa and Ron, Commercial Divers























































Robert Darr teaches traditional boatbuilding skills at the Arques Wooden Boat School in Marinship.







Mary Crowley, Founder of a Sausalito-based nonprofit that has removed more than 40 tons of fishing nets and consumer plastics from the norther Pacific Ocean since 2009. OVI used sattelite technology and drones to locate the debris fields. Crowley is a lifelong sailor also runs a yacht charter business, Ocean Voyages. She is also a board member of WELL Network and the Richardson bay Maritime Association. She is a founding member of Planetree, which enhances healing environments in hospitals and healthcare education.









Burkell Plumbing, member of the Marinship Community for over 60 years.



Joanne's Print Shop, operating in the Marinship for over 37 years.

Makers (Innovators and Educators)

Our Friends Create, Innovate and Design in the Marinship

Sebastien Sponholtz Sutter runs the test development lab for Engineered Fluids. Gary Testa, President and CEO has developed and is bring to market, a revolutionary fluid used to cool electronics by full immersion. The fluid is non-toxic and is being tested for applications such as server data centers and bitcoin farms. If successful, the energy required for cooling these facilities will be dramatically lowered. Sebastien was born and raised in Sausalito.







Reason Bradley, owner of Universal Sonar Mounts, designs, tests and fabricates sonar mounting equipment for commercial, law enforcement, research and commercial customers around the globe. He holds several patents on his designs. His industrial fabrication shop in the Marinship contains state-of the art four and five axis milling machines. Reason was born and raised in the Marinship on the Arques Property amongst the shipwrights. He apprenticed as a wooden boat builder as a young teenager.









In 2018 after 2 years of research and development by a team in a Marinship industrial shop, Stompump was released to the market. The product was conceptualized, designed, engineered, prototyped, tested and tooled in the Marinship. The team has also developed a line of cycling products under the Bar Fly label. Products include mounts, fenders, saddle bags and other accessories. Innovative testing techniques were developed for material integrity and durability.



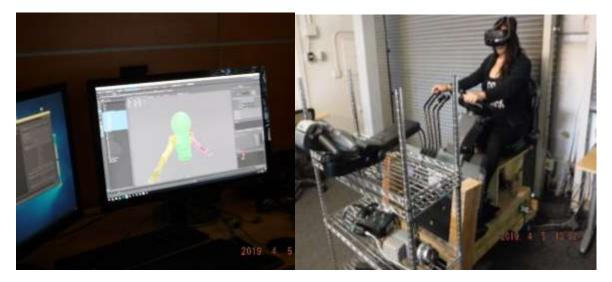


Test equipment for the "Square" credit card reader was developed in the Marinship.





At Free Range Games, computer simulation expertise is utilized to create virtual reality training for operating industrial equipment using a heads-up display.





Paolo Salvagione, Artist, Sculptor, Engineer and Industrial Designer at his shop in the Marinship.



The Entrance Light Tunnel at Zynga Headquarters in San Francisco is rigged to sense when people walk through to mix up the light patterns. The tunnel was designed in an industrial space in Marinship.



<u>Check out our website and Sign Up for updates:</u> <u>www.sausalitoworkingwaterfront.org</u>

Freda Salvador Women's Footwear is designed in the Marinship





Roco Films in the Marinship, is the premier distributor of documentary films to the worldwide market.





Heath Ceramics has been designing and manufacturing distinctive ceramic tableware and tiles in Marinship for the last 70 years.



Kids Learn and have Fun in the Marinship

(STEAM: Science Technology Engineering Art and Math)

Spaulding Boatworks Programs for kids.



Diana Coopersmith teaches young girls how to weld at Marin Made.



Clark Beek and Lish Dawn at Spaulding Boatworks Builds Boats and Kid's Confidence

























At Marin Made, kids are introduced to industrial design and manufacturing









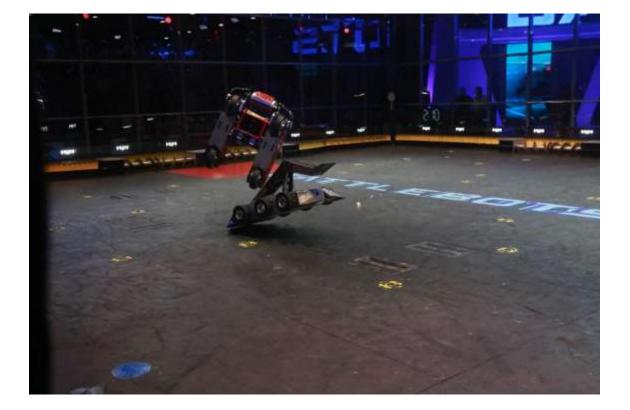


Alec Shaw, program director at Marin Made, runs the metal water-jet cutter and the CNC milling machine. Both machines represent some of the state-of-the-art industrial equipment in the Marinship. Also at Marin Made a Solar Desalinator was designed and built in-house that can turn dirty or salty water into pure, clean-drinking water. Marin Made also fabricated many parts for the Matthew Turner Tall Ship.



Marinship has a high degree of expertise in Robotics with 20 years of experience in the field.











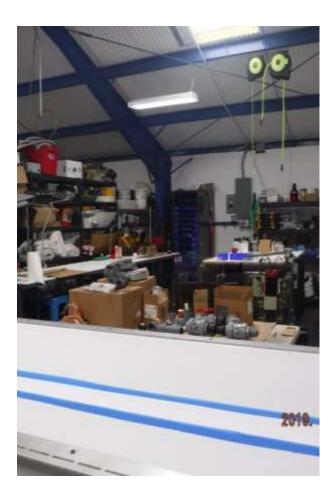




Facilities that house Industrial Design and Manufacturing Equipment Enable the Innovation that is Fostered Throughout the Marinship











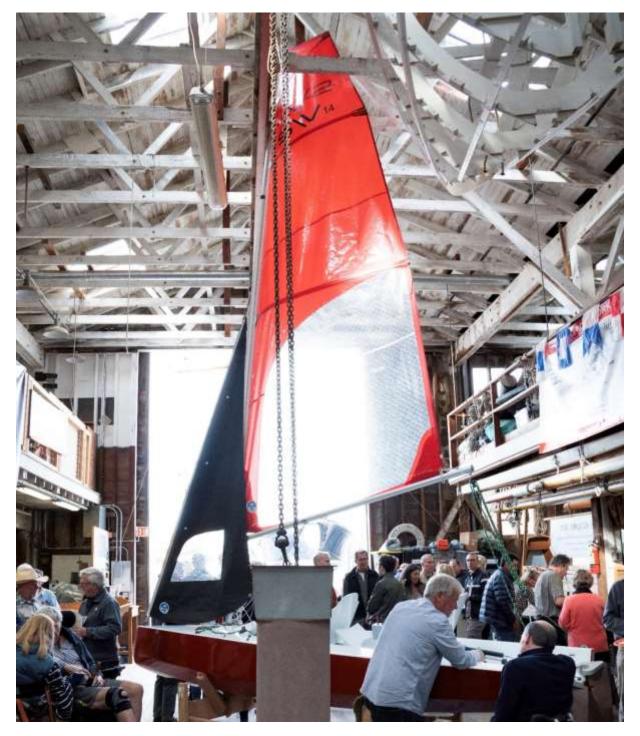


Adults Also Learn in the Marinship





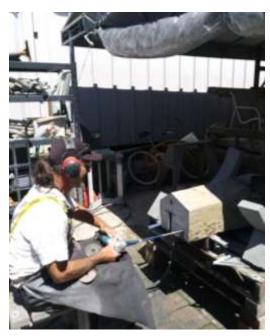
Volunteers Build a Boat for Disabled Sailors



A new boat especially designed for disabled sailors was completed at the Spaulding Marine Center in 2018. Built entirely with volunteer labor, the boat is one of just seven built around the world, and the only one in the Americas.

Artists and Artisans and Their Studios

Since the 1950s Marinship has had a strong presence of world-class Artists and Artisans. Here are just a few of them at present.





James Lafemina has been a Master Stone Mason and Sculptor. His commissioned works are in private homes and businesses throughout the bay area.



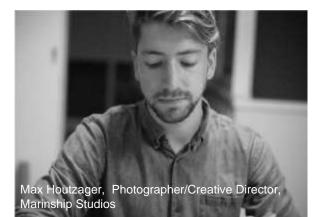
Jack Holland is a Master Leather Craftsman, using only hand tools. The quality and uniqueness of his creations captured the attention of many clients including three former U.S. Presidents. His shop is in the Marinship. Some of his work is for sale at Karl the Store on Bridgeway.







Isabella Kirkland, Painter, Marinship Studios also owner of the Yellow Harbor Ferry, is an amateur scientist (and research associate at the California Academy of Sciences), Isabella Kirkland delights in constructing complex images of multiple species. She has documented endangered and extinct animals, recently discovered species, and those that occupy very specific habitats. She also worked with Stewart Brand in the 60s.









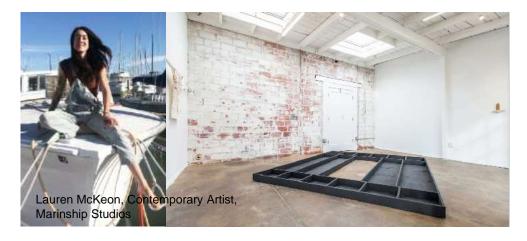






Many artists of Marinship also work and live on houseboats and have created non-traditional art spaces.





The Vallejo Artist Residency Program houses 2-3 international artists for 2-3 months at a time.



CAROLINE R. KAUFMAN



AI MAKITA RETURNING ARTIST



AKO CASTUERA

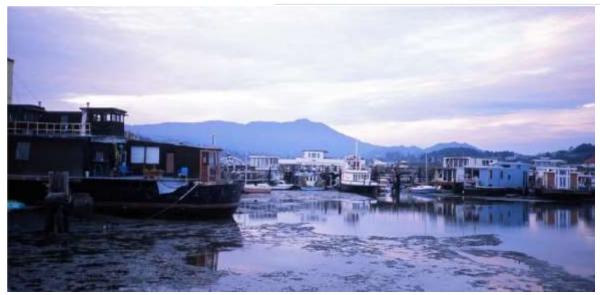




MARIA TORRES SUBIRA RETURNING ARTIST



FABIANA BURR



Galilee Harbor, Butterflute Studios, Cass Gidley Marina, a mecca for artists, craftsmen and maritime friends.











1 >







Marinship, a past and a present of art and music.





Offices

Here's What Else we have in Marinship....







Honoring Our Legacy

This year someone forgot to honor Sausalito's Legacy for Memorial Day. Sausalito's Working Waterfront did not forget.



Some Data

Despite the erosion of protection and the lax zoning enforcement, it turns out that the Marinship Specific Plan <u>could work</u> with some changes to make it more clearly able to accomplish its primary goal, to protect maritime and light industry and artists. It encourages an environment that fosters innovation, creativity, art and community spirit. Along with the Fair Traffic Initiative, it stands in the way of developers who desire zoning changes to fundamentally transform the Marinship for its "highest and best use." Maritime infrastructure is being left to decay in anticipation of a change in zoning for this eventuality. Some incompatible uses are being proposed that are in direct conflict with maritime and light industry. Narratives are being created to diminish the viability and importance of these uses.

Whenever you hear that the Maritime industry is in decline, realize this statement by the OECD (Organization for Economic Cooperation and Development) in 2016:

For some, the ocean is the new economic frontier. It holds the promise of immense resource wealth and great potential for boosting economic growth, employment and innovation. And it is increasingly recognized as indispensable for addressing many of the global challenges facing the planet in the decades to come, from world food security and climate change to the provision of energy, natural resources and improved medical care. While the potential of the ocean to help meet these challenges is huge, it is already under stress from over-exploitation, pollution, declining biodiversity and climate change. Ocean industries also have the potential to make an important contribution to employment growth.

...a number of steps could be taken to enhance the sustainable development of the ocean economy: Reinforce international co-operation in maritime science and technology as a means to stimulate innovation and strengthen the sustainable development of the ocean economy. This entails undertaking comparative analyses and reviews of the role of government policy regarding <u>maritime clusters around the world</u>, notably in respect of their effectiveness in stimulating and supporting cross-industry technological innovations in the maritime domain and experience in establishing centers of excellence, innovation incubators and other innovation facilities in the field of cross-industry maritime technologies, and improving the sharing of technology and innovation among countries at different levels of development.

Or that recreational boating is in decline, this data is from the Marine Manufacturers Association:

Recreational Boating Contributed \$13 Billion to California's Economy in 2017. That includes \$72 Million in District 12 (Marin) and \$375 Million District 2 (San Francisco). 2019 will bring the 8th year of consecutive growth for recreational boating. New powerboat sales in California up 18% in 2017. 95% of boats sold in the US are made in the US.

Or that more office space is needed, this data is from Keegan and Coopin, Commercial Real Estate Services:

The last thing it needs is more office space or use. The conversion of maritime and light industrial uses to office spaces has been overwhelming in the last 30 years. The 2019 Commercial Real Estate Forecast from Keegan and Coppin indicates that as of the 4th quarter of 2018, the Sausalito office vacancy rate was 18.5%, while the industrial space vacancy rate was 1.5%.

Conclusion

The Marinship was created to utilize the most advanced shipbuilding technology and industrial innovation then available to further the goal of winning World War II. Today, the Marinship is a unique place that attracts and cultivates dreamers, doers, makers, educators, artists and artisans. Defining the future of Marinship as a center of technological innovation that complements our historic maritime, light industrial and artistic heritage is the appropriate vision for the place that defines what Sausalito has been for the last 170 years, since the first whaling ships sailed into our coves for repairs.

As a community with over 2000 boat slips and nearly 450 floating homes, we need a vibrant maritime industry to maintain those assets and sustain them as viable neighborhoods of Sausalito. With several hundred artists and artistans among us we need to provide and nurture an environment that attracts rather than drive away these neighbors.

During the era of Libertyship and Tanker construction, Marinship was considered the most technologically innovative shipyard in the country. Today, it still happens in the Marinship, whether it's converting a diesel ferry to a hybrid electric/wind generated vessel for Alcatraz Island, or robotics or electronics innovations, patent awards or STEAM education for kids. Marinship is poised to become an Enterprise Zone for Technology/Makers/Artists for the foreseeable future that can attract modern industrial and maritime innovators and artists to the City of Sausalito.

Unfortunately, there is a General Plan Update process happening now that could potentially take Marinship in a different direction and dilute the values and enterprises that have been part of Marinship since its beginning. However, a new coalition of Marinship advocates is organizing to protect these interests. This booklet intends to tell the story of what we can potentially lose very quickly if developers have their way with zoning and use changes in the Marinship. Stay aware of what is happening. Check out the website for Sausalito's Working Waterfront: www.sausalitoworkingwaterfront.org

And remember you have a voice in this process and a vote in November 2020.

Dedication



This pamphlet is dedicated to the memory of Donlon Arques, without whom most of what you see within would not be possible and the community of Sausalito would not have the maritime, artistic and innovation culture it enjoys today.

DONLON ARQUES (1908-1993)

By Arnie Gross (Sausalito Historical Society)

The following is excerpted from a 1970s waterfront journal called the Garlic Press. Arnie Gross was a regular contributor. Donlon Arques was the patriarch of the post-WWII houseboat scene, and a notoriously private and mercurial character:

Donlon Arques is a slightly overweight 68-year-old man with a ruddy face who would pass for being in his mid-fifties. He stands about 6 feet and is always clean shaven and neatly hair-cutted. He wears glasses and has light clear soft twinkly eyes. He often smokes a pipe. He always wears the same comfortable work clothes (black pants and a striped shirt). He was born and raised in the San Francisco Bay Area and as far as I know has never lived outside of California. He learned to row his first boat at the "foot of the Napa Street Pier" when he was six and delivered his first barge from San Francisco to Novato when he was fourteen or sixteen. He knows and loves the waterfront. Not just ours, but all of the West Coast.

He knows most of the barges and maritime machinery and craft that dot our bay and ply our waters. He has a feeling toward machinery such as a poet would have toward words. He once handed me his oil can to oil my bicycle chain and suggested I do so in such a nice way that I actually put other thoughts out of my head temporarily and committed myself to oiling my chain properly and unresentfully.

He is one of the most amiable bullshitters I have ever known, hence lies his charm and amazing knowledge of trivia. He likes people, he likes life, he "likes to eat well, sleep well" and keep clean and organized.

He raises cattle on his ranch up north along with organic vegetables. Most of the time he prefers his

own cooking to eating out and I suspect likes to dine alone when he can.

I caught the "old man" (he's often referred to that way by Gate Three old-timers) early one cool Saturday morning in 1974 as he had just fixed something. As we walked up the stairs to his office, he smiled at me and said, "In a cool wind my knees get stiff, but machinery must be serviced." He went on, "I feel good when I'm building something, I do some of my best thinking then, too." I figured the "old man" was nice and relaxed, and this be a good time to lay out some questions and have some fun (being that Don has a horrendous reputation for coming out with flip statements about what he is going to do, or not do and then changes his mind, to be misinterpreted, which leaves confusion all over).

I asked, "Why don't you sell out?" He answered, "I'll stick it out. Everybody here is happy." "What would you like to see here?" Don moanfully answered, "Marine enterprises, there's so little left in the country. "Then Don looked at me and said: "This place is very valuable, regardless of you or I. Meanwhile all these boys and girls will never forget this place. Seven infants have been born here --" He looked at me in silence as I scratched away at my notes. Moments later he went off to build something.