



"To Honor Those Who Serve, Past, Present & Future"

November 2021

Volume 22, Issue 11

**Lest We Forget —  
"The USSVI Submariner's Creed"**

To perpetuate the memory of our shipmates who gave their lives in the pursuit of their duties while serving their country. That their dedication, deeds, and supreme sacrifice be a constant source of motivation toward greater accomplishments. Pledge loyalty and patriotism to the United States of America and its Constitution.

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**News Brief**

1. **Next Meeting:** At 1100, third Saturday of each month at the Knollwood Sportsman's Club. Mark your calendars for these upcoming dates:
  - a. **November 20**
  - b. **December 18**
  - c. **January 15, 2022**
2. **Duty Cook Roster:**
  - a. November – 11<sup>th</sup> Annual Chili Dump
  - b. December – Manny Garmendez
  - c. January – See Your Name Here!
3. **November Birthdays.** Gary Walters 7<sup>th</sup>; Len Wass 10<sup>th</sup>; Bill Stannard 15<sup>th</sup>; Pete Almeroth 18<sup>th</sup>; David Fitzgerald 23<sup>rd</sup>; Manny Garmendez 27<sup>th</sup>. Happy Birthday Shipmates!
4. **Eternal Patrol Notice Ronald Spooner;** see Page 4.
5. **Crash Dive** has a few openings where you can showcase your skills while serving your shipmates. Can you see yourself as our Chaplain, Community Outreach Chair, Membership Chair, Charitable Giving Chair, Vice-Commander, or CoB? Contact Clay Hill to step-up.

## Crash Dive Meeting Minutes October 16, 2021

### 1) Call to Order 1114

### 2) Attendance

- 1) Clayton Hill
- 2) Mrs. Hill
- 3) Maurice Young
- 4) Frank Voznak
- 5) Frank Walter
- 6) Herman Mueller
- 7) Manny Garmendez
- 8) Ted Rotzell

[Break for chow 1120]

### 3) Reports:

#### a) Secretary's Report

- (1) Veteran's Ball scaled down this year; limited invites. ~ 09 Nov 21
- (2) Veteran's Week "Salute to Wellness" Mon 08-11 Thu Nov 21 @ UWM
- (3) Student Veterans Association interim treasurer, ~6 members at 1<sup>st</sup> meeting
  - (a) What does SVA do?  
Nothing this past year.  
Local to UW-Milwaukee only.

#### b) Treasurer's Report [ABSENT]

- (a) Funds in account: Checking \$4,501.40; Savings \$15,462.44
- (b) Petty Cash: \$100
  - (i) Checking Activity: \$697.00 deposited, 3 payments \$172.00
- (2) Base Memorial Fund for investment; motion carried in Sep. [update to follow]
- (3) Switch to Chase Bank pending.

#### c) Committee Reports

- i) Newsletter – Chris Gaines [ABSENT]

ii) Membership – Chris Gaines [ABSENT]

iii) Community Outreach – Bret Zacher [ABSENT]

- (1) Cobia Working Party Report, if any? None attended

iv) Hospitality – Bret Zacher [ABSENT]

v) Webmaster – Frank Voznak, Jr.

- (1) Due to pay bill for renewal \$83.88 due in Oct
  - (a) Frank W motions, Maurice/Herman 2<sup>nd</sup>, motion carries

vi) Storekeeper – Herman Mueller

- (1) Fundraising trinkets to be explored
- (2) Bumper stickers for USSVI recruiting; number still active

vii) Procedures – Chris Gaines [ABSENT]

viii) Eagle Scout – Ted Rotzell

- (1) Request from National USSVI Eagle Scout for 2 courts to be done in Nov

ix) Memorial Committee – Frank Voznak, Jr.

- (a) Updated signage bid/status
- (1) Plans for signage received and approved
- (2) Placement to be determined by MBRE

### 1) Old (Unfinished) Business Suggestions for events

i) Any new ideas? None sourced this week

b) Elections for Base Positions: any interest or need of relief?

- (1) Non-elected positions being shuffled, no changes/candidates for elected positions

### 5) New Business

- a) USS Connecticut (SSN-22) Collision
  - i) Updates and/or call for support?
    - (1) No new details. Ship reached port safely
- b) USS Chicago SSN-721 Post Decommissioning
  - i) Ask Michelle Woods/city if interested in acquiring sail; explore placement
    - (1) Request placement at mouth of river. Frank to present idea with plaque/book & put Michelle in contact with Len
- c) Toys for Tots
  - i) Still time to participate
    - (1) Maurice to check if event is back to normal and/or if cash can be donated
    - (2) Herman to ask around mall for more info

## 6) Good of the Order

- a) Duty Cook
  - (1) November – Chili Dump!
    - (a) Cooks: Bret, Glenn, Charlie, Frank, Maurice, Manny, Chris, Clay (1qt ea.)
    - (b) Planned fixings: Sour Cream, Jalapeños, Diced Onions, Grated Cheese, & Oyster Crackers
    - (c) If there is another Fixen you would want to share, please bring it with you.
    - (d) Any dietary restrictions? Gluten-free, etc? None indicated previously
  - (2) December – Manny brings Christmas snacks [gingerbread, cringle, egg nog etc.]
  - (3) January – Chili dump for 2022?!?! If recovered from Nov...

## b) 786 Club

- i) Musical Salute to Veterans, 5-7pm on Fri 12 Nov 21 at Union League Club
  - (a) \$25 admission, & ~\$12 parking when validated.
  - (1) Quarterly Luncheon on 28 Oct 21, 1130a to 0130p at Union League Club

## 5) SOUND Klaxon

- a) Next Meeting is 20 November 2021 @ KSC

## 6) Adjourn 1238

## Lost Boats

USS ALBACORE (SS 218)	11/7/44
USS GROWLER (SS 215)	11/8/44
USS SCAMP (SS 277)	11/16/44
USS CORVINA (SS 226)	11/16/43
USS SCULPIN (SS 191)	11/19/43

## Undersea Warfare History

- **November 1, 1944** | USS Ray (SS 271) sank the cargo ship Horai Maru no. 7, landed men and supplies on the West Coast of Mindoro, picking up 2 downed Navy fliers, 2 Army POW's escaped from Corrigidor and an escaped Filipino political prisoner.
- **November 2, 1943** | USS Trigger (SS 237) fired three torpedoes at a 7,148 ton transport ship Delagoa Maru. All torpedoes hit the ship, and Delagoa Maru disintegrated.
- **November 3, 1944** | USS Gurnard (SS 254) attacks a Japanese convoy and sinks the Japanese freighter Taimei Maru west of the Labaun, Borneo.
- **November 4, 1971** | USS Nathanael Greene (SSBN 636) launches a Poseidon C-3 Missile in the first

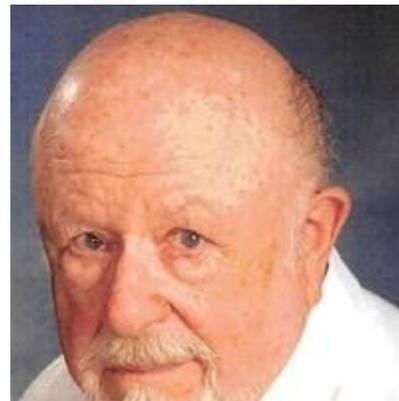
surface launch of the weapon.

- **November 5, 1943** | USS Tullibee (SS 284) was running submerged near Okinoyerabu Shima when she sighted a large, three-story building on the island. She surfaced and fired 55 shells into the barracks before retiring at full speed.
- **November 6, 1954** | USS Thornback (SS 418) was the first submarine to snorkel in the Mississippi River at New Orleans, Louisiana from the Industrial Canal to the foot of Canal street.
- **November 9, 1944** | USS Queenfish (SS 393) attacks a Japanese convoy and sinks the gunboat Chojusan Maru about 50 miles west of Kyushu.
- **November 10, 1943** | USS Scamp (SS 277) disabled the 6,481-ton Tokyo Maru after evading its escorts, and pumped three more torpedoes into the target. It later learned that Tokyo Maru sank before daybreak.
- **November 11 1943** | USS Capelin (SS 289) sank a 3,127-ton Japanese cargo ship off Ambon Island.
- **November 12, 1943** | USS Harder (SS 257) encountered a target and after promptly dispatching it, surfaced and sighted a trawler-escort damaged by the explosion of one of its own depth charges. Submerging again until sunset, the submarine sank the damaged ship with gunfire.
- **November 13, 1976** | The lead ship of the newly created Los Angeles-class submarine, USS Los Angeles (SSN 688), is commissioned.
- **November 16, 1963** | President John F. Kennedy, aboard USS Observation Island (EAG 154), witnesses the launch of Polaris A-2 missile by USS Andrew Jackson (SSBN 619).
- **November 17, 1944** | USS Sunfish (SS 281) sighted a convoy of eight

ships led by escort carrier Jinyo. The carrier quickly passed out of range, but Sunfish fired on and sank Edogawa Maru and Seisho Maru.

- **November 18, 1943** | USS Bluefish (SS 222) sinks the Japanese destroyer Sanae and damages the oiler Ondo 90 miles south of Basilan Island.
- **November 19, 1944** | USS Pampanito (SS 383) sank the 1,200 ton cargo ship Shinko Maru No. 1 and damaged another ship.
- **November 20, 1943** | USS Harder (SS 257) radioed her companions and closed for attack after sighting three Japanese ships. Harder fired eight torpedoes, sinking the Udo Maru and Hokho Maru.
- **November 30, 1993** | President William J. Clinton signs legislation that lifts the ban on women serving aboard combat ships.

## Eternal Patrol



**QMSN/SS Ronald E. Spooner**  
(19 Dec 1933 to 20 Oct 2021)

Qualified on USS Sea Poacher (SS-406) in 1953. Served aboard USS Odax (SS-484) and USS Sea Poacher (SS-406)

Ronald E. Spooner, 87 of Addison, formerly of Chicago. Significant other of

Adele Jeschke. Dear brother of Linda (the late Bill) Wawrczeniak and the late Norman (the late Mildred) Spooner. Dearest uncle of the late Kathy Spooner, Jan Spooner and Bill (Anita) and Bob (Sara) Wawrczeniak. Great uncle of Alex, Norman, Josh, Mathew and Tania and Ian. Memorial services planned for Saturday, 11/6/21, 3PM at Prince of Peace Lutheran Church, 1213 Army Trail Blvd, Addison IL 60101.

**Rest Your Oar, Shipmate.**

**We Have the Watch**

## **Nautilus leaves Submarine Force Museum for \$36 million preservation project**



Guests on the pier watch Friday, Oct. 15, 2021, as the Thames Towboat Co. tugboats John P. Wronowski and Paul A. Wronowski move the Historic Ship Nautilus from its berth at the Submarine Force Library and Museum to Pier 15 at the U.S. Naval Submarine Base in Groton to start preservation work. The \$36 million preservation project is to ensure the National Historic Landmark and Connecticut's State Ship will remain the centerpiece of the museum. The work will include dry-docking the submarine at the base and extensive work to: repair and paint the hull and superstructure; replace topside decking;

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inspect internal and external tanks and voids; and upgrade lighting and electrical distribution. The preservation is expected to take six to eight months. This is the first time the Nautilus has left the museum berth since a 2002 maintenance period undertaken at Electric Boat. (Sean D. Elliot/The Day)

## **New Russian nuclear-powered sub completes sea trials**



August 3, 2021, by Nadja Skopljak

**Russian Navy's nuclear-powered submarine Novosibirsk has completed its sea trials in the White Sea and has returned to the shipyard in Severodvinsk, Russian news agency TASS reported.**

According to TASS, the advanced Project 885M (Yasen-M) nuclear-powered submarine returned to the Sevmash shipyard on 2 August after one-month sea trials.

It has been reported that Novosibirsk will undergo state trials next. The submarine is expected to be delivered to the Russian Navy late this year.

The nuclear-powered submarine Novosibirsk is the Project 885M (Yasen-M) first serial-built vessel floated out in December 2019. With a submerged displacement of 13,800 tons, Project 885M submarines

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are armed with 24 Oniks (SS-N-26) and Kalibr (SS-N-27) cruise missiles in addition to torpedoes. They are reportedly one of the quietest submarines to be operated by Russia.

The first submarine in the class, Severodvinsk, was delivered to the Russian Navy in 2013, twenty years after it was laid down in 1993. Following sea trials, the submarine was commissioned in 2014.

*Photo: The Severodvinsk. Credits to the Ministry of Defence of the Russian Federation.*

## U.S. Navy sonar-towing unmanned surface vessel (USV) appears in San Diego Harbor for anti-submarine warfare (ASW)

Sept. 30, 2021

Speed separates Catbus from the Wave Glider from Liquid Robotics -- a 10-foot unmanned vessel that has unlimited endurance, but sails at 1.5 knots.



**SAN DIEGO** – A new type of [unmanned surface vessel \(USV\)](#) identified by the MarineTraffic reporting system as ‘USV Catbus’ has been sighted in San Diego harbor. Forbes reports. [Continue reading original article](#)

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## The Military & Aerospace Electronics take:

**30 Sept. 2021** -- This vessel presumably for [anti-submarine warfare \(ASW\)](#) and similar surveillance applications seems to be a previously unseen U.S. Navy project, similar to the mysterious Wave Glider craft that have washed up in Scotland and elsewhere, but with one big difference: it's fast.

Twitter user @cjr1321 is a photographer who takes pictures of shipping in San Diego. Having spotted the unusual craft from a distance on Sept. 13, he decided to get a closer look.

The craft is about 18-feet long, and powered by an array of solar cells. It can withstand waves of about three feet, so it is not intended for operations in rough seas, and the vessel can fit into a shipping container for rapid transfer anywhere in the world. It will tow a small [sonar](#) acoustic array and travels as fast as 13 knots.

[John Keller](#), chief editor  
*Military & Aerospace Electronics*

## Laser Submarines: A Paradigm Change For the U.S. Navy

Navy subs will become giant batteries, supplying juice to power-hungry lasers, or underwater platforms, or equipment used by special operations forces.

by [Michael Peck](#)

**Here's What You Need to Know:** If the Navy can develop electrical hull connectors, power generation and other systems needed for a submarine-mounted laser weapon, the potential could be enormous. A stealthy submarine emerging from the depths to

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fire a surprise laser shot could be devastating.

Will U.S. Navy submarines be armed with laser weapons?

That's the implication of a new [Navy research project](#).

At first glance, the project seems fairly routine engineering: developing connectors that will allow transmission of hundreds of kilowatts of electricity through a submarine's hull.

But what's interesting is what all that electricity will be used for. "The Navy seeks technologies for transmitting high electrical power required for operating Directed Energy (DE) weapon systems from inboard the submarine to an outboard DE system, submersible platform, special operation, etc.," states the research proposal.

In other words, Navy subs will become giant batteries, supplying juice to power-hungry lasers, or underwater platforms, or equipment used by special operations forces. But first, the Navy must develop an electrical connector embedded in the sub's hull. "Currently, the Navy needs to tow the generator to support a similar system," the proposal notes.

Yet the fact that the proposal mentions an "outboard" directed energy weapon is interesting. "By 'outboard,' the proposal could mean a system attached externally to the submarine, but that is only connected to the inside of the submarine via external hull penetrators," says Bryan Clark, a former Navy submarine officer who is now an analyst for the Center for Strategic and Budgetary Assessments think tank. "These penetrators are

electrical connectors that provide an electrical circuit between the inside and outside of the submarine, but that are built into the hull so cables do not need to pass through the hull."

This would allow an external laser to be mounted on the submarine. "A laser could be mounted to the submarine outside the pressure hull," Clark says. "For example, it could be in the sail, which is normally flooded when the submarine is submerged. Mounting in the sail could allow the laser to be used above the water to dazzle optical sensors or damage manned or unmanned aircraft."

Other possibilities include a mast-mounted laser. "Either the laser could be in a mast or it could be in the sail and the sub would have to surface at least partially," Clark explains. "As opposed to a gun or missile, a laser can be configured such that the laser generator is vertically aligned along the inside of the mast, and the laser light could be sent to the beam director via mirrors."

Indeed, Optical Physics Company, a California-based technology firm, has designed a beam director—which steers the beam toward the target—for a [mast-mounted submarine laser](#). "OPC has designed such a beam director with the right form factor for insertion into a submarine mast," says the description on the company's Web site. "This beam director can track the target and aim an approximately 12-inch diameter beam onto the target. The beam director can optionally contain adaptive optics components to condition the wavefront of the HEL [high energy laser] beam and compensate for the atmospheric distortions that reduce beam

effectiveness in a maritime environment.”

If the Navy can develop electrical hull connectors, power generation and other systems needed for a submarine-mounted laser weapon, the potential could be enormous. A stealthy submarine emerging from the depths to fire a surprise laser shot could be devastating.

“Above the water, a 100-300 kilowatt laser would be powerful enough to destroy small UAVs, damage larger aircraft, damage optical sensors, or defeat slow anti-ship missiles,” Clark says. “Underwater, a laser could be used for communications, but that would only work at specific frequency ranges and would require much lower power levels.”

*Michael Peck is a contributing writer for the National Interest. He can be found on [Twitter](#) and [Facebook](#).*

## Adm. Caldwell: ‘It’s a Great Time to Be a Submariner’

Richard R. Burgess, Seapower Magazine, November 17

**ARLINGTON, Va.** — The director of the U.S. Navy’s Nuclear Propulsion Program told an audience of active-duty and retired submariners that the current era of great power competition is highly demanding of the submarine force but is an exciting time as the challenges are met.

“Our submarines are consistently in high demand,” said Adm. Frank Caldwell, director, Navy Nuclear Propulsion Program, speaking Nov. 17 at the Naval Submarine League’s annual symposium in Arlington. “We are always improving

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our game, our team, our platforms. ... It’s a great time to be a submariner.” Caldwell noted that while the United States faced a formidable adversary during the Cold War — the Soviet Union — it now faces two nuclear-capable competitors: Russia and China. He said that the U.S. Navy’s attack submarines and guided missiles are deployed forward daily.

He especially praised the wisdom of the conversion of four Ohio-class ballistic-missile submarines (SSBNs) into guided-missile submarines (SSGNs), each able to deploy with up to 154 Tomahawk cruise missiles and with special operations forces.

“We can’t keep these platforms at sea enough,” he said of the Ohio-class SSGNs, calling their development in the 2000s a “monumental decision.”

The SSGNs are slated for retirement in the mid-2020s, and their missile capacity will be replaced by Block V Virginia-class submarines equipped with the Virginia Payload Module.

Caldwell noted the new strike weapons entering the submarine force’s arsenal in the next few years, including the Maritime Strike Tomahawk, the Conventional Prompt Strike hypersonic weapon, and the return of the submarine-launched Harpoon cruise missile.

Seabed warfare also is a capability being sought by the submarine force, he said, with an emphasis on unmanned vehicles.

Caldwell said the submarine force is focusing on all methods of transferring data on and off the ship to be networked with the fleet, including incorporating

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machine learning and artificial intelligence, to enable faster decision-making.

“Just as we pursue acoustic superiority, we are pursuing decision superiority,” he said.

He also noted that the United States currently is building submarines at the highest rate since the 1990s.

Electric drive will be returning to the submarine force with the Columbia-class SSBN. Caldwell said that every electric drive train bound for a Columbia-class SSBN will be thoroughly tested at a land-based test site in Philadelphia and then shipped to Electric Boat in Groton, Connecticut for installation in their respective hulls. Caldwell briefly addressed the recent AUKUS agreement between Australia, the United States and the United Kingdom, which plans to build a nuclear-powered submarine force for Australia.

The U.S. Navy stands ready to support the historic announcement, but Caldwell stressed the importance of wise stewardship, looking at various options,

and the importance of trust in the endeavor. He also said the Navy must be sure not to let AUKUS slow its own efforts.

“We have an already busy enterprise,” he said, noting that it is important for the Navy to remain focused.

## Dues News

Shipmates,

You may recall that Crash Dive voted to waive base dues for 2021 in recognition of the impact of COVID on our operations. With many tools now available to combat COVID, and with the resumption of in-person meetings, dues will be collected for 2022.

Dues are \$15 per year. Send your check or money order, payable to ‘Crash Dive Base’, to Chris Gaines at the address below. If you prefer to pay in cash, you may do so at a meeting.

### Crash Dive Base Contact Information

Commander – Clayton Hill, 195 Clover Lane, Cedarburg, WI 53012;  
[clay53012@yahoo.com](mailto:clay53012@yahoo.com)

Vice-Commander – Bret Zacher; [bret.zacher@gmail.com](mailto:bret.zacher@gmail.com).

Secretary (POC) – Manny Garmendez, [mgarmendez@gmail.com](mailto:mgarmendez@gmail.com);

Treasurer – Bret Zacher; [bret.zacher@gmail.com](mailto:bret.zacher@gmail.com)

COB – Vacant.

Chaplain – Vacant.

Membership – Vacant.

Storekeeper – Herman Mueller, 503 Lynn Terrace, Waukegan, IL 60085; 847-445-5034; [hermanandlorimueller@comcast.net](mailto:hermanandlorimueller@comcast.net)

Newsletter Editor – Chris Gaines, 513 West Downer Place, Aurora, IL 60506; 630-892-5718 or [ccgaines@mindspring.com](mailto:ccgaines@mindspring.com)

Base Historian – Frank Voznak, Jr. 9 South 255 Madison, Burr Ridge, IL. 60527; 630 986-0175 [franklin2@comcast.net](mailto:franklin2@comcast.net)



# APPLICATION FOR MEMBERSHIP

Regular  Life  Associate

**OUR CREED:** "To perpetuate the memory of our shipmates who gave their lives in the pursuit of their duties while serving their country. That their dedication, deeds and supreme sacrifice be a constant source of motivation toward greater accomplishments. Pledge loyalty and patriotism to the United States of America & its Constitution."

With my signature below I affirm that I subscribe to the Creed of the United States Submarine Veterans, Inc., and agree to abide by the Constitution, all Bylaws, Regulations and Procedures governing the U.S. Submarine Veterans, Inc., so long as they do not conflict with my military or civil obligations. I will furnish proof of my eligibility for Regular membership, including my discharge under honorable conditions, and proof of my U.S. Navy (SS) Designation, if required by the Base or the national Membership Chairman. If I am not discharged, the discharge requirement is waived. If I am not U.S. N. submarine qualified, I am applying as an Associate and my sponsor is indicated below.

- I certify that I was designated qualified in USN Submarines aboard \_\_\_\_\_ in \_\_\_\_\_ (Yr)  
(Honorary designations regardless of source do not apply under any circumstances.)
- I certify that I received a discharge under Honorable Conditions (if not currently in military service) in \_\_\_\_\_ (Yr)

Name: (Print /Type) \_\_\_\_\_ Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_ - \_\_\_\_\_ Tel: (\_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Your E-Mail Address \_\_\_\_\_ Base/Chapter Desired: \_\_\_\_\_

The Member Dues year runs from Jan 1<sup>st</sup> thru Dec 31<sup>st</sup>. Please indicate your term preference: \_\_\_\_\_  
 Nat'l Dues: 5 Yr term: \$115.00; 3 Yr term: \$70.00; 1 yr term (Jan thru Sep) \$25.00; (Oct thru Dec adds the next yr): \$30.00;  
 Nat'l Life: 76+ yrs = \$100.00; 66 thru 75 yrs = \$200; 56 thru 65 yrs = \$300.00; 46 thru 55 = \$400.00; Thru 45 yrs = \$ 500.00;  
 Local Base/chapter dues are separate and additional. Crash Dive Base dues are \$15 annually.

How did you find USSVI?  Friend,  Boat Assn,  Local Event/News,  Internet,  Other (\_\_\_\_\_)   
 Who is your sponsoring USSVI Regular Member?: (Mandatory for Assoc Mbrs) \_\_\_\_\_   
 Associate Applicant is:  Veteran  Spouse of Veteran  Other (specify) \_\_\_\_\_

## YOUR U.S. NAVY BIOGRAPHICAL DATA

Date Of Birth (MM/DD/YY) \_\_\_\_/\_\_\_\_/\_\_\_\_ If other military service, What Branch? \_\_\_\_\_

Highest Rate & Rank Attained: \_\_\_\_\_ Mil Retired (Y/N): \_\_\_\_\_ On Active Duty? (Y/N): \_\_\_\_\_

YR entered Mil Service: \_\_\_\_\_ YR left Mil Service \_\_\_\_\_ (Active/Inactive reserve time also counts.)

Check here if your Military Service falls within these time periods: Dec 7, 1941, thru Dec 31, 1946; June 27, 1950, thru Jan 31, 1955; Aug 5, 1964, thru May 7, 1975; and Aug 2, 1990 to date.

Check here if you have been awarded an Expeditionary Medal

**Submarines and ships served aboard as ship's company (Use back if you need more space.)**

- 1. \_\_\_\_\_ Hull# \_\_\_\_\_ From Yr. \_\_\_\_ to Yr. \_\_\_\_
- 2. \_\_\_\_\_ Hull# \_\_\_\_\_ From Yr. \_\_\_\_ to Yr. \_\_\_\_
- 3. \_\_\_\_\_ Hull# \_\_\_\_\_ From Yr. \_\_\_\_ to Yr. \_\_\_\_
- 4. \_\_\_\_\_ Hull# \_\_\_\_\_ From Yr. \_\_\_\_ to Yr. \_\_\_\_
- 5. \_\_\_\_\_ Hull# \_\_\_\_\_ From Yr. \_\_\_\_ to Yr. \_\_\_\_

Next of Kin: Name: \_\_\_\_\_ Relationship: \_\_\_\_\_ (Spouse, Partner, Son, Dau, Parent, Other)

Addr: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Tel: \_\_\_\_\_  
(Leave this address line blank if the same as your home address)

Upon completion, give or mail this form, including your National and Base membership DUES (payable to 'Crash Dive Base') to Crash Dive Membership Chairman Tom Polzin, 1305 Winslow Circle, Woodstock, IL 60098; 847-867-8668