



NAVY NUPOC PROGRAM

'The sweetest deal in the Navy'

Lieutenant Benton & Chief Martinez



Nuclear Power Officers

5 NUPOC 'JOBS'

Operational

- Submarine Officer
- Surface Warfare Officer



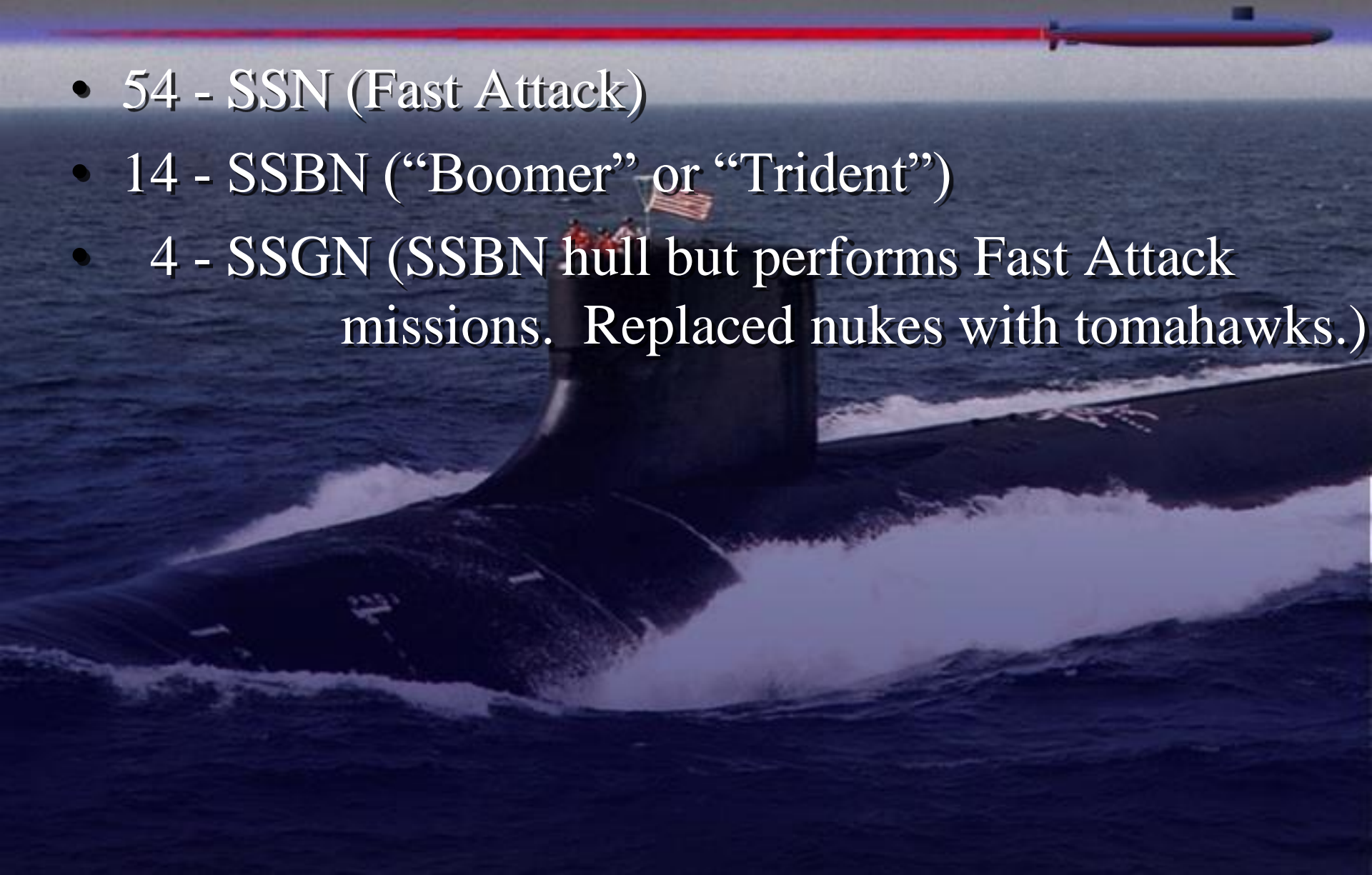
Support

- Nuclear Power School/Prototype Instructor
- Naval Reactors Engineer



Submarines

- 54 - SSN (Fast Attack)
- 14 - SSBN (“Boomer” or “Trident”)
- 4 - SSGN (SSBN hull but performs Fast Attack missions. Replaced nukes with tomahawks.)



Submarine Warfare: Multi-Mission Capability

Strike Warfare



Anti-Surface / Submarine Warfare



Strategic Deterrence



Battle Group Operations



Intelligence, Surveillance & Reconnaissance



Special Warfare





Submarine Pipeline

Nuclear Power School	24-week graduate level course of intensive study that covers a variety of science and technology-based subjects in Charleston, SC.
Nuclear Prototype Training Unit	26-week hands-on training in Charleston, SC or Ballston Spa, NY.
Submarine Officer Basic Course	8-week course in New London, CT.
SSN, SSGN, or SSBN Sea Tour	3-year tour that alternates between deployments, patrols, days in port, maintenance, local operations, and leave.



Aircraft Carriers (CVN)

- 17 classes of Surface ships. Only 1 is nuclear powered.
- 10 Nimitz Class carriers, each has 2 nuclear reactors.





Surface Warfare Officer Pipeline

Conventional Sea Tour	18-21 month tour on a conventional surface ship as a Division Officer
Nuclear Power School	24-week graduate level course of intensive study that covers a variety of science and technology-based subjects in Charleston, SC.
Nuclear Prototype Training Unit	26-week hands-on training in Charleston, SC or Ballston Spa, NY.
CVN Sea Tour	28-month tour as a Division Officer in the engineering plant of a nuclear-powered aircraft carrier.

Homeports

Offense, Defense & Strategic Deterrence

Bangor & Bremerton

San Diego

New London

Norfolk

Kings Bay &
Mayport

Pearl Harbor

Yokosuka

Guam

Bangor, WA: 8 SSBN / 2 SSGN

Bremerton, WA: 3 SSN / 2 CVN

San Diego: 6 SSN / 2 CVN

Pearl Harbor, HI: 16 SSN

Guam: 3 SSN

Japan: 1 CVN

Groton, CT: 18 SSN

Norfolk, VA: 7 SSN / 5 CVN

Kings Bay: 6 SSBN / 2 SSGN



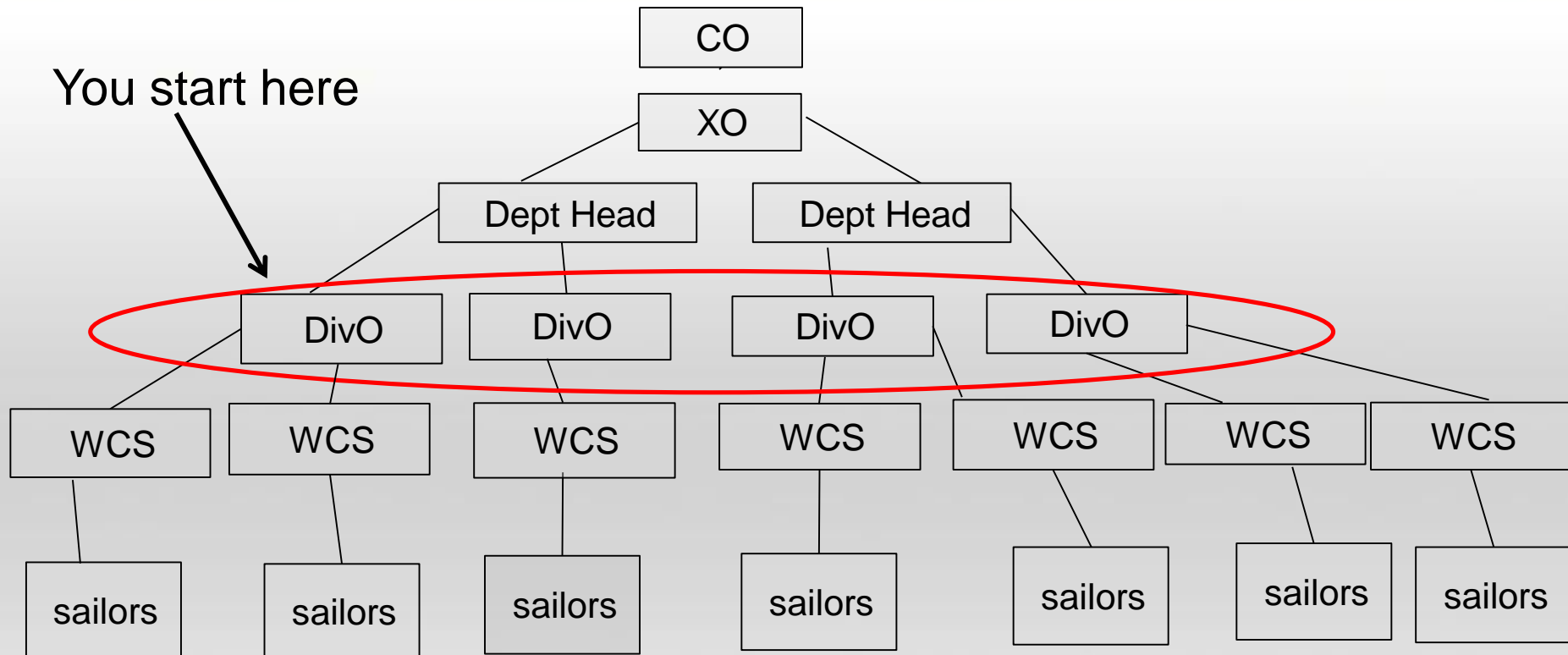
NUPOC - Requirement

Submarine and Surface Warfare

- 30 months of benefits while completing an Undergraduate Degree
- 12 months of benefits while completing a Graduate Degree
- Must be full-time student
- **No specific major required**
 - Only need 1 year of calculus and 1 year of physics
- Receive \$15k signing bonus
- 5 year commitment
- Age Limit: **29**
- Competitive GPA: **>3.1**



Leadership Opportunities



- Immediate Responsibility & Dynamic Decision Making
- Will have a Leadership advantage over your peers if you decide to only do minimum time.



School Details

- Nuclear Power School
 - Located in Charleston, SC
 - Classroom environment (3 Classes at a time)
 - Calculus based curriculum

Mathematics		Electrical Engineering			Core Characteristics	
R P S	Heat Transfer & Fluid Flow		Reactor Dynamics	Materials	Radiological Fundamentals	
	Physics		Chemistry	Aspects of Reactor Plant Operations		

Comprehensive Exam



School Details (Cont'd)

- Nuclear Prototype Training Unit
 - 4 training reactors
 - 2 - located in Charleston, SC
 - 2 - located in Ballston Spa, NY
 - Hands on learning
 - Experience operating all equipment associated with a power producing nuclear reactor



Nuclear Power School Instructor

- 5 years in Charleston, SC.
- Teach 1 to 2 classes per day in Physics, Math, Chemistry, Heat Transfer, Electrical Engineering, and Reactor Dynamics.
- Ability to transfer to other Navy or civilian communities after 5-year commitment.





Nuclear Prototype Instructor

- **Attend Nuclear Power School and Prototype similar to Fleet students.**
- Gain operational and leadership experience while supervising the operation and maintenance of a nuclear power plant.
- Funded graduate school opportunities and the ability to transfer to other Navy or civilian communities after 5-year commitment.





NUPOC - Requirements

Nuclear Power School/Prototype Instructor

- 30 months of benefits while completing an Undergraduate Degree
- 12 months of benefits while completing a Graduate Degree
- Must be a full-time student
- **Technical major** required to include 1 year of calculus and 1 year of physics
- 5 year commitment
- Age limit: **29**
- Competitive GPA: **>3.5**
- **No bonus**



Naval Reactors Engineer

- 5 years in Washington, DC.
- Team of over 380 engineers.
- Advanced Reactor Design education from Bettis Atomic Power Laboratories.
- Match major with engineering discipline.
- “Cradle to grave” responsibilities for all shipboard nuclear power plants, shore-based prototype plants and nuclear propulsion support facilities in the United States Navy.





Naval Reactors (NR)

- 100% Accident Free with 154 Million Miles Steamed
 - First got “Underway on Nuclear Power” in 1955 with the USS Nautilus
- NASA adopted NR “Quality Assurance” Program after Columbia Space shuttle disaster
- NR called upon to provide technical support/assistance to Fukushima Reactor Accident.





NR Engineer Training Pipeline

Naval Reactors Headquarters (NRHQ) Primary Training	6-9 month initial assignment to NRHQ in Washington, DC.
Nuclear Prototype Training Unit	2-week hands-on training and review of propulsion plant located in Charleston, SC or Ballston Spa, NY.
Naval Reactors Training Program	6-month process of earning graduate-level education in nuclear engineering through the Bettis Reactor Engineering School (BRES).
Shipyard	3-weeks at Norfolk/Newport News, VA or Bremerton, WA for background information on the operations of a shipyard.
Naval Reactors Facility	1-week at Idaho laboratory to observe fuel storage operations and procedures.
NRHQ: Staff Assignment	4-year assignment as an engineer at NRHQ.



NUPOC - Requirements

Naval Reactors Engineer (Prescreen Required)

- **18** months of benefits while completing an Undergraduate Degree
- 12 months of benefits while completing a Graduate Degree
- **Technical major** required to include 1 year of calculus and 1 year of calculus-based-physics
- 5 year commitment
- Age Limit: **29**
- Competitive GPA: ≥ 3.8



Overall Program Eligibility

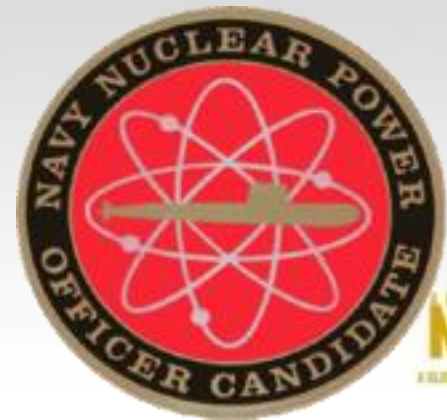
- **Enrolled as a full time student at an accredited institution**
- **US citizen, TOP SECRET clearance eligible**
- Completed 1 year of Calculus and 1 year of calculus-based Physics
- Within 30/18 months of graduation if obtaining Bachelors
- Within 12 months of graduation if obtaining Masters





Program Benefits

- **Benefits while in college (Active Duty E-6)**
 - Monthly pay for up to 30 months while completing your degree
 - Full medical/dental/insurance
 - No uniforms, drills or grooming requirements
 - Active time counts towards time-in-service (20 years for retirement)
 - Earn leave (30 days/year)
 - Guaranteed STABLE job after college
 - Will **NOT** be called to serve in another capacity
 - Referral credit: Promotion to E-7
- **\$15,000 Accession bonus for Submarine/Surface/Engineer**
- **Obligation: 5 years upon commissioning**





NUPOC Pay

State of Alabama	College
Base Pay	\$2,600.00
Food Allowance (tax free)	\$250.00
Housing Allowance (tax free) Area Dependent	\$1,200.00
Monthly Total	\$4,050.00
Medical Care & Life Insurance	Priceless
30 Months	\$121,500.00
Bonus	\$15,000.00
Total	\$136,500.00



While In College

- After you are accepted into the NUPOC program and continue college you are expected to do the following:
 - Make good grades and turn them in to your recruiter immediately at the end of each semester.
 - Random drug testing. The military has a zero tolerance policy even if you live in a state that allows it.
 - Check in with your recruiter monthly.
 - Stay within Physical Fitness standards.

- You are **not** required to:
 - Wear a uniform
 - Be within grooming standards (i.e. not shave or cut your hair)
 - Any sort of drilling (like students at ROTC)



After Graduation

- **Submarine and Surface Warfare Officers**
 - Go to Officer Candidate School (OCS) in Newport, RI to 12 weeks.
 - Taught basic military requirements, how to wear the uniform, and it is ran by Marine Corp Drill Instructors.
 - You receive your Commission (become an Officer) the day you graduate OCS.

- **Instructors and Engineers**
 - Go to Officer Development School (ODS) in Newport, RI for 5 weeks.
 - Similar to OCS but ran by Navy personnel and is less physical fitness intensive.
 - You receive your Commission before you report to ODS.



DETERMINE ELIGIBILITY

(*Prescreen*)

VIP TRIP

- Done Monthly
- Free 3 day trip to San Diego, CA or Norfolk, VA

PRODOCS +
MISC DOCS
(see NUPOC
Checklist)

SECURITY

MEDICAL

PREPARATION
- NUPOC Study
Guide

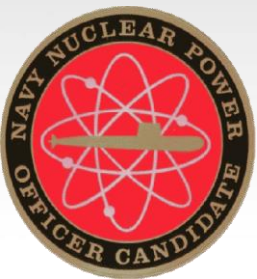
KIT COMPLETE

TECHNICAL PHONE INTERVIEW WITH NTO

- Calculus and Physics Questions
- No calculator, notes, cheat sheets
- Occurs 1-2 weeks before D.C. Interview

INTERVIEW IN WASHINGTON D.C.

- Done Monthly



• QUESTIONS?

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