

WELCOME ABOARD!

Research Vessel *Robert G. Sproul*





Vessel Orientation & Safety Briefing

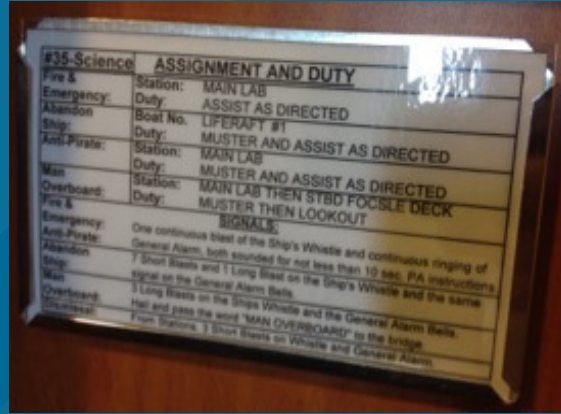
- Emergency Procedures
- Safety
- Shipboard Housekeeping
- Shipboard Information Systems

COVID19 SAFETY MEASURES WHILE ABOARD

Maintain situational awareness

- Each day, conduct a mindful assessment of your personal health. If you feel ill in any way, immediately isolate yourself from others and alert the captain.
- Notice whether people around you exhibit respiratory symptoms, and if they do, refer them immediately to the captain for evaluation and treatment.
- Reinforce consistently appropriate hygiene with your shipmates by knowing and following all shipboard rules, and by reminding others if they lapse. If a shipmate points out your own lapse, thank them for the reminder -- and correct your own behavior.

EMERGENCY PROCEDURES - DRILLS



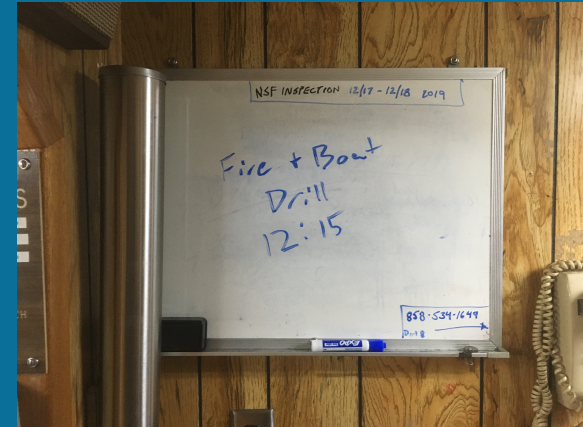
#35-Science ASSIGNMENT AND DUTY	
Fire & Abandon	Station: MAIN LAB Duty: ASSIST AS DIRECTED
Ship	Boat No. LIFEKRAFT #1 Duty: MUSTER AND ASSIST AS DIRECTED
Anti-Pirate	Station: MAIN LAB Duty: MUSTER AND ASSIST AS DIRECTED
Man Overboard	Station: MAIN LAB THEN STBD FOCSLE DECK Duty: MUSTER THEN LOOKOUT
SIGNALS	
Emergency	One continuous blast of the Ship's Whistle and continuous ringing of
Anti-Pirate	General Alarm, both sounded for not less than 10 sec. PA instructions
Abandon	7 Short Blasts and 1 Long Blast on the Ship's Whistle and the same
Ship	Signal on the General Alarm Bells
Man Overboard	3 Long Blasts on the Ship's Whistle and the same
Overboard	Hall and pass the word "MAN OVERBOARD" to the Bridge
Overboard	From Stations, 3 Short Blasts on Whistle and General Alarm

Remember your bunk number.

- Each bunk has a bunk card which indicates your muster stations for each type of emergency.

EMERGENCY PROCEDURES - DRILLS

- Drills are held weekly.
- Drills will be announced in advance.
- Check whiteboards for announcements.
- Work with Captain to schedule drills.
- Attendance at every drill is important; however, if a person is busy with science operations during the scheduled drill, let the ResTech know and that person may be excused.
- Treat every drill like a real emergency. Do not prepare for a drill ahead of time. Collect your survival gear **AFTER** you hear the alarm.



EMERGENCY PROCEDURES - DRILLS

Bring or wear all your survival gear to every muster:

- Lifejacket (in your bunk)
- Immersion suit (above your closet)
- Closed-toe shoes
- Long sleeve top and long pants
- Hat or hoody
- Sunglasses
- Medications (in case of abandon ship)



EMERGENCY PROCEDURES – THE ALARMS

Fire or Piracy



Continuous alarm

Person Overboard



Three Blasts

Abandon Ship



*Seven or more blast followed
by continuous alarm*

EMERGENCY PROCEDURES – FIRE



Responding to a fire you see

- If you think there is a fire, call the Bridge or activate a fire alarm - then take other action.
- If you see a fire and feel confident using a fire extinguisher to put it out - do so.

EMERGENCY PROCEDURES – FIRE



Responding to an alarm

- If you hear the general alarm, grab your ditch bag and life jacket, and report to the Main Deck.
- If you find yourself in a smoke-filled area, use an EEBD* to breathe while you escape.



**Emergency Escape Breathing Device*

EMERGENCY PROCEDURES – PERSON OVERBOARD



If you see someone go overboard

- Keep your eyes on them, and yell like mad to attract attention and notify the bridge.
- Point at the person, and keep pointing for as long as you can see the person – this helps the bridge.
- Throw floating objects into the water.
- If you hear the alarm, go outside to point at the person in the water – this helps the rescue effort .



EMERGENCY PROCEDURES – ABANDON SHIP



Report to the abandon ship station

- Located on the Main Deck of the vessel.
- Bring your ditch bag, life jacket, and immersion suit.



SAFETY – COMMUNICATION

- Intercom phone (Bridge 1)
- Sound-powered phone
- Talkback intercom system
- Radios



SAFETY - ON DECK



- The ResTech is the safety enforcer on deck – comply with all instructions, and report any safety concerns to the ResTech.
- One person runs the deck and gives all hand signals to equipment operators.
- Notify the bridge before putting anything over the side, and before turning on deck lights at night.
- Personal Protection Equipment (PPE) must be worn when working on deck, and be appropriate for the conditions.

SAFETY – DOORS

- Unsecured doors are a common cause of injuries aboard.
- Make sure all doors are either completely shut or latched open.
- Never take your hand off of an unsecured door – if someone else is about to pass through a doorway after you, pass the door to them.



SAFETY - HAZMAT

- Includes chemicals, compressed gases, lithium batteries.
- The captain must know of all HazMats brought aboard.
- You must provide a chemical inventory and a Material Safety Data Sheet (MSDS) for everything you bring.
- All HazMat must be stowed in HazMat lockers.
- Small amounts for immediate use may be drawn from the containers stored in the lockers.



SAFETY – HAZMAT

Isotopes

- Isotope vans may only be entered by approved users.
- Waste must be collected, handled and disposed properly.
- Scripps staff can advise you – contact Gary Lain or talk to your ResTech.
- You must remove all your HazMat from the ship at the end of the cruise.



SAFETY – HAZMAT SPILL RESPONSE

- Know the appropriate response to a spill of any of your HazMat materials.
- Bring appropriate spill kits with you – check with the ResTech if you are unsure what to bring.
- Know where emergency eye wash stations and showers are located.



SAFETY - MEDICAL

- Report any injuries, illnesses or dental issues to the captain, chief mate, or the ResTech.
- If a wound requires more than a band-aid, you need to report it immediately.
- Many of our mariners have medical responder training.
- Medical supplies and equipment are on board to treat most minor injuries and illnesses.
- We have constant access to on-call doctors ashore who assist us with immediate medical issues.

SAFETY - MEDICAL



SAFETY – DRUGS, ALCOHOL, AND TOBACCO

No alcohol or illegal drugs are allowed on board.

This rule is mandated by NSF and ONR. The captain has the right and authority to search any person or area on board.

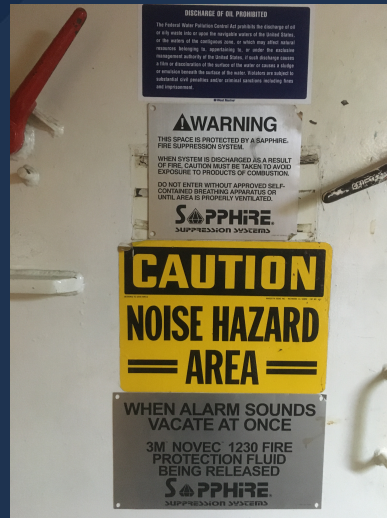
Scripps is a tobacco-free workplace.

As part of Scripps, our ships are no-smoking areas.

The only exception is an outside area designated by the captain. **Smoking is not permitted anywhere else on the vessel – inside or out on deck.** Do not throw butts overboard – please use the ashcan.

SAFETY – OTHER IMPORTANT ITEMS

- Stay out of restricted areas (these are posted with signs).
- If something doesn't seem OK to you, tell a crew member.
 - This could include smoke, the smell of hot electrical wires, leaks, unsecured gear, stowaways, anything.



SHIPBOARD WORK ENVIRONMENT

We will not abide discrimination or harassment on board.

If you experience any form of harassment or discrimination on board, we have several ways for you to get assistance.

- At sea, report bias, harassment or discrimination to the Captain, ResTech, or Chief Scientist. All are obligated to follow an established protocol for responding.
- You may also report harassing conduct directly to the UC San Diego Title IX Office (see poster in main passageway).

HOUSEKEEPING - WATER

Conserve water!

- Do full loads of laundry.
- Take short showers (but please do shower!).
- Report any leaks.
- Only use fresh water on deck when necessary.



Keep things clean and ship shape

- Wipe down spills, clean up messes, keep your area tidy.
- Dispose of any trash.
- If you make a mess, it is your obligation to clean it up!

HOUSEKEEPING – GALLEY & MESS DECK

Meal hours are posted. Here are some good practices:

- Allow the crew on watch to have the first five minutes of each, so they can eat first and get back to work.
- Don't show up late for meals, and don't linger afterward (the cooks have to clean up immediately after mealtimes).
- Bus your own dishes as soon as you are finished.
- On full cruises, other hungry shipmates may need your seat – please dine and depart.

HOUSEKEEPING – GALLEY & MESS DECK

Be clean:

- Wash hands before entering the mess.
- Use the serving utensils provided.
- Wipe up after yourself.

Be respectful:

- If the cook is cleaning the mess deck please let them finish, and come back in a bit.



HOUSEKEEPING – GALLEY & MESS DECK

After-hours

- Leftovers are available in the refrigerator.
- Frozen confections are in the freezer.
- Snacks and fruit are available 24/7 in the mess deck.

Coffee rules: Coffee must be hot and ready!

- If there's less than two cups in the pot, make another pot.
- Instructions are posted on bulkhead.



HOUSEKEEPING – LAUNDRY

- Only use full loads (this conserves water).
- Don't put shoes or boots in the dryer. Or the washer.
- Don't put salt-water-soaked clothes directly in the dryer.
- Clean the dryer's lint trap before and after every use (this is a common source of shipboard fires).
- Promptly remove your clothes! If you do not, then one of your shipmates may do it for you. And they always fold your shirts incorrectly.



HOUSEKEEPING – LINENS

- The ship provides towels, sheets, pillows, and blankets.
- During the cruise, please wash your own linens.
- After the cruise, please strip your bed and put your dirty towels and linens in the laundry room. There's a bin for them – but please don't put wet items inside it.
- Clean blankets and pillows should be left on your bunk at the end of the cruise.



HOUSEKEEPING – TRASH

- Never throw anything off of the ship. Nothing. Ever.
- In the mess, put your food waste in the slops bucket. Nothing else (no tea bags, coffee filters, napkins, etc.).
- Do not put aerosol cans or batteries in the trash. Put them in their special waste bins in the Main Lab.



HOUSEKEEPING – HEADS

- On a ship, the bathroom is called the head.
- We use a biological sewage system, and the following is important:

Nothing should go into the ship's system that hasn't already gone through yours (plus a little bit of the ship-provided toilet paper).

- No feminine hygiene products, “flushable” wipes, hair, nail clippings, contraceptives, dental floss, socks, gloves, etc.



HOUSEKEEPING – GENERAL

- Other people are ALWAYS sleeping on the ship.
- Keep noise from videos, music players, and games to a minimum around berthing areas.
- Do not hold conversations near berthing areas.
- When you leave a public head, latch it open.



HOUSEKEEPING – GENERAL

- Please, never plug an uninterruptable power supply (UPS) into the ship's UPS circuits in the labs.
- Please wear your visitor badge while the ship is in port, and your TWIC if we are in a US port.
- The ship has T-shirts for sale.



SHIPBOARD INFORMATION SYSTEMS – CYBERSECURITY

Devices are subject to to UCSD minimum security standards which include but are not limited to:

- Patch and update software
- Protect against malicious software with anti-virus
- Limit unnecessary services on hosts
- Configure host-based firewall software

Do not connect any removable media to ship or ship instrumentation systems.

SHIPBOARD INFORMATION SYSTEMS – INTERNET ACCESS

The primary purpose of internet resources provided on the vessel are:

- In support of the Funded Science Mission
- In support of Vessel Operations

All other uses, including personal use is permitted on a non-interference basis. Abuse may result in revoking internet access.

- Our satellite-based Internet connection access s are about 10% the speed of typical land-based connections.
- There are wireless access points throughout the ship.

SHIPBOARD INFORMATION SYSTEMS – BANDWIDTH MANAGEMENT

Turn off:

- Software updaters (Windows Update, Apple Software Update, Google Play updates)
- Cloud-based storage (iCloud, DropBox)
- Automatic photo backups to the cloud (iOS, Android)

Refrain from bandwidth-heavy resources:

- Phone/video communications applications (Skype, FaceTime)
- Streaming audio/video (YouTube, Netflix, Hulu, Vimeo, Pandora, Facebook video autoplay)

SHIPBOARD INFORMATION SYSTEMS – BANDWIDTH MANAGEMENT

Other ways you can help:

- Don't send or automatically download emails or chats with large attachments.
- Webmail tends to be less bandwidth-intensive compared to IMAP.
- Talk to the Restech if you need to transfer large files to/from shore
- Use image and ad blockers on your web browsers.
- Exit from Internet applications that you are not actively using.

SHIPBOARD INFORMATION SYSTEMS – DATA DISTRIBUTION

- We distribute one copy of the ship instrumentation data to the chief scientist, at the end of the cruise.



SHIPBOARD INFORMATION SYSTEMS – USEFUL INFORMATION

Type <http://sp-sio.ucsd.edu/> in the location bar of your browser. This webpage has links to:

- R2R eLog
- Ship diagrams
- Select data acquisition computers

SHIPBOARD INFORMATION SYSTEMS – PRINTING RESOURCES

- Please consider your paper use.
- Use double-sided printing.
- Think twice about printing large jobs.

SHIPBOARD EXPERIENCE

- We want you to have a safe, productive, and memorable experience aboard R/V *R.G. Sproul*.
 - We are committed to maintaining a climate of fairness, cooperation, and professionalism on board.
 - We embrace diversity, equity, and inclusion as essential ingredients of excellence in seagoing science.
- **If you have any problems, questions or concerns** with the vessel or any experience on board, please discuss with the captain or the shipboard technicians.