

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



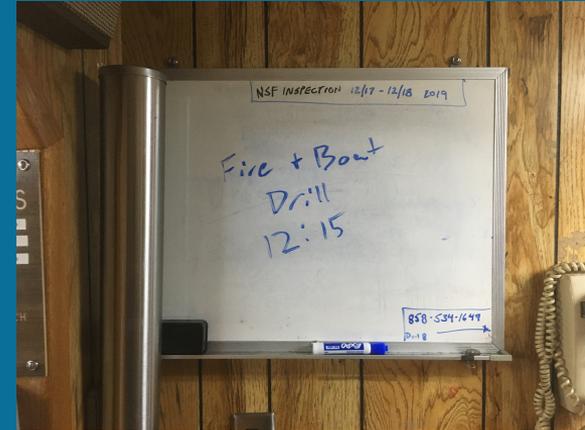
#35-Science ASSIGNMENT AND DUTY	
Fire & Abandon	Station: MAIN LAB Duty: ASSIST AS DIRECTED
Ship	Boat No. LIFEKRAFT #1 Duty: MUSTER AND ASSIST AS DIRECTED
Anti-Pirate	Station: MAIN LAB Duty: MUSTER AND ASSIST AS DIRECTED
Man Overboard	Station: MAIN LAB THEN STBD FOCSLE DECK Duty: MUSTER THEN LOOKOUT
SIGNALS	
Emergency	One continuous blast of the Ship's Whistle and continuous ringing of 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 signal on the General Alarm Bells
Ship	3 Long Blasts on the Ship's Whistle and the same signal on the General Alarm Bells
Man Overboard	1 Long Blast on the Ship's Whistle and the General Alarm Bells
Anti-Pirate	1 Long Blast on the Ship's Whistle and the General Alarm Bells
Overboard	1 Long Blast on the Ship's Whistle and the General Alarm Bells
Fire & Abandon	1 Long Blast on the Ship's Whistle and the General Alarm Bells

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

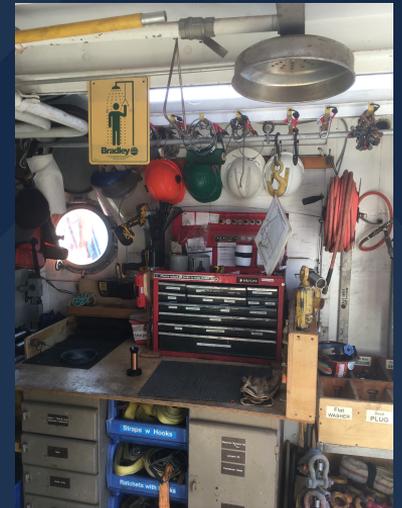
### Isotopes

- 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.