JOB DESCRIPTION, DUTIES AND OUTCOMES FOR
Assistant Technician, OTN, (Halifax, Nova Scotia)

DUTIES:
The Ocean Tracking Network (OTN) is a rapidly growing component of the Intergovernmental Oceanographic Commission's Global Ocean Observing System that focuses on tagging and tracking the movements of a range commercial and endangered marine species in the context of changing ocean climate. Although it has partners on every continent, it is headquartered in Halifax because several manufacturers in the region have focused on delivering data from continental shelves using a common, unique acoustic technology developed here by the Vemco Division of AMIRIX Systems Inc. Candidates must be willing to go to sea at intervals to assist in deploying a variety of types of equipment in a variety locations and to use acoustic receivers to harvest a variety of types of data from equipment already deployed on the sea bottom. There may also be opportunities to tag animals, to manage data and to analyze data for patterns linking climate and animal migration.

These are complex, interesting and important tasks with growing potential for technical jobs around the world with OTN Partners and for advanced research using OTN data. It may be possible to work with OTN for more than one work term, so that you can accumulate a broader range of skills. Each term would begin with a training period with OTN field, data management and administrative staff, as well as with local manufacturers, and end with practical experience working with these OTN teams. OTN is a diverse team, so we encourage students to develop a broad range of skills to suit OTN Partners around the world.

QUALIFICATIONS: This opportunity is available for university students working towards a co-op eligible Bachelor of Science (Biology/Marine) degree. The successful candidate will assist with the general activities of the OTN. These may include:
- preparation of large numbers of instruments and mooring mounts for deployment.
- post-recovery data harvesting
- cleaning, re-battering, closing and configuring the instruments
- planning and logistics for upcoming field work
- collaborating with partners and suppliers
- assisting with scientific administration

This person may be required to go to sea, occasionally for periods on the order of days, and possess the ability to work in the environment inherent to being on a ship or small vessel at sea. While at sea in addition to assisting in the deployment and recovery of equipment already deployed on the seafloor, the successful candidate will record all data pertinent to each recovery/deployment, completing and submitting all metadata forms and spreadsheets associated with each mission, and organizing and submitting data files for inclusion in the OTN data warehouse.

STUDENT OUTCOMES:

1) Students will acquire a wide range of practical skills working on a daily basis with highly trained OTN technical staff.
2) They will have opportunities to gain at sea experience which is an important advantage for future employment for Marine Biology Students.

3) They will interface with engineers and staff of OTN industrial partners, who are potential future employers.

4) They will work with the latest prototypes of these companies' new instruments, putting them "ahead of the game" with advanced skills.

5) They will interface with international partners, demonstrating that they have the skills of potential use to the partners, opening opportunities to travel and gain global experience – oceans are more similar globally than land.

6) When managing data they will be among the first to recognize surprising new animal migrations and interactions, and able to talk to potential supervisors about graduate research.

Salary: $15.00 per hour

Term 3: **January 5th – April 24th, 2015**

Closing Date: October 10th

All applications/resumes should be addressed to:

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