

## Life and Work – June 5, 2022

**Office Administrator:** We are pleased to welcome Stephanie Harnum as the new Office Administrator at St. James. Stephanie has a strong background in Office Administration and comes to us with much enthusiasm. We are sure she will be warmly welcomed in this position by the congregation, and you are encouraged to visit the office to meet her in person. Office hours will continue from 10:00am - 2:00pm at this time.

**Spring has sprung!!** The Property Committee is seeking donations of plants and flowers to fill out the bed in front of the office entrance. Further, if you have some time to spare, and an interest in horticulture, this patch of garden will require some tending through the season....volunteers welcome.

**The United Church Women of Gower** are collecting gift cards to donate to The Assoc. of New Canadians to welcome and support the new arrivals from Ukraine and other countries to our province. The cards can be from grocery stores, pharmacies, Walmart, or Dollarama and can be for any amount. Gift cards will be collected until June 15th and can be placed in the offering plate or sent to the office in an envelope indicating it is for the ANC. The UCW thanks you in advance for your welcoming donation.

**St James United Church** is accepting applications for summer employment from interested, energetic youth  
15 - 30 years under the Canada Summer Jobs initiative.

Scope of work:

Office / administrative duties ; Archival preparation; Outreach; and Communications

Hours of work 35 hours per week

Hourly wage \$13.20

Anticipated start date June 27, 2022 for a period of 8 weeks.

Application/resumes should be forwarded to :

Student Employment  
St. James United Church  
330 Elizabeth Avenue  
St. John's NL A1B 1T9

Email [info@stjamesuc.org](mailto:info@stjamesuc.org) Subject: student employment  
Closing date: Friday, June 10, 2022 at noon.

**Upcoming Time Away for Susan and (Rev.) James:** This coming week (June 6-10) both Susan and James will be away at a gathering for ministers in Bishop's Falls. Both Susan and James will be attending the clergy symposium from June 6-8. This is followed by a retreat which Susan will participate in while James returns to St. John's for a two-part staycation (June 8-11 and June 13-15) so that he can tackle some projects at home. If anyone has some advice regarding how to get rid of goutweed, please let him know.

## **2022 Memorial Services**

The dates for the Memorial Services are as follows:

Mount Pleasant Cemetery, Hamilton Avenue Extension

Monday, July 4, 2022 at 7:00 pm

General Protestant Cemetery, Topsail Road

Monday, July 18, 2022 at 7:00 pm

Memorial Garden Cemetery, 25 Beaumont Hamel Way

Monday, August 1, 2022 at 7:00 pm

Please note: In the event of inclement weather, the services will move ahead to 7:00 pm, the next evening.

## **Social and Environment Awareness & Action Committee**

We invite you to join us to be better stewards of our environment. Please collect all of your plastic bottle caps and deposit them in the 5-gallon bucket at the church. They will be collected by Seaside Reclaimed, a local eco-conscious business that turns the plastic into useful items like key chains and soap dishes.

Our garbage clean-up:

June 12 from 12:30-ish to 2 pm (Weather permitting) -- on our church grounds, PWC grounds and the next-door neighborhood grounds, after our picnic. Dress appropriately. Bring gloves, a stick with a spike or a "pick up" tool, your re-usable drink bottle and snacks. Clean St. John's will provide the bags and garbage collection.

### **Sunday, June 12 -- World Oceans Sunday**

It will be a casual Sunday service. Wear jeans and a blue top! We'll also hear a recorded message from Shawn Bath of Clean Harbours Initiative.

## **The Ocean as a Source of Power:**

The identity of Newfoundland and Labrador is deeply connected to the ocean. For much of our history, that relationship has been tied to fishing. In more recent decades, that relationship has generated much in the way of tourism. But there is another aspect of the ocean that we have yet to tap – its power, or more precisely its potential for power generation.

There are four main ways that the ocean can be utilized to generate power: using tides, waves, and either the difference in temperature between the surface and deeper in the water or the difference in salinity between the mouths of rivers and further out in a bay. These last two methods are very new. The difference in water temperature is used to run a heat engine and so to generate power. Given how cold our waters are, unfortunately there is insufficient difference in temperature. But in warmer places like Hawaii and India, there are some operating plants being piloted. The other newer type is called Osmotic Power Generation and harnesses the osmotic pressure that is found between river water and seawater to power a turbine. There is a power plant of this type being piloted in Norway.

There is more potential in Newfoundland and Labrador for the first two types of power generation, tidal and wave. While we generally think of the Bay of Fundy for tidal power, that is using the established method of tidal barrage where a barrier set with turbines is built across a portion of a bay or estuary and power is generated as the water passes through with the change in tide. We don't have good sites for this type of tidal power generation, but we do have areas with strong currents like in the Strait of Belle Isle which could be used for tidal stream generation. For this, turbines are set up that take advantage of the current itself to generate power. A recent study estimates that 15% of the tidal potential of Newfoundland and Labrador can be realistically captured, the equivalent of 0.56 TWh per year. While this is only 1.71% of the total energy demand of this province, it could be part of a mixed portfolio of energy projects. In addition, there is some potential in wave power which use floating wave converters. The waves off the coast of Nova Scotia show the greatest potential for this type of power generation.

When it comes to power generation, we tend to think of hydroelectric and wind. Unlike traditional power generation with a central plant and a grid to deliver electricity, harnessing renewable energy will require us to utilize multiple sources of power, often in smaller, more localized formats. As we shift to these methods, may we look to the ocean to help us as we have always done here.