

## WHAT IS U3A?

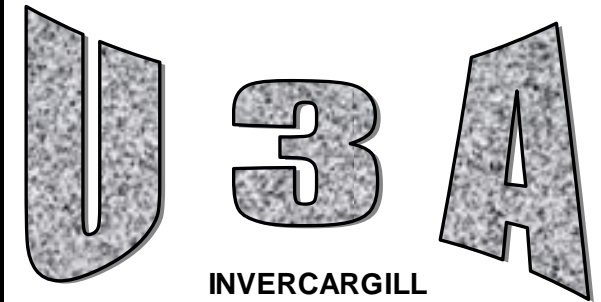
Beginning in France in the mid seventies, the U3A movement has now spread to most countries and has now many hundreds of thousands of members.

U3A is a response to the idea that human life is divided into three periods:- firstly, childhood and schooling; secondly, child rearing and work; and thirdly, retirement.

The Third Age is seen to provide the greatest opportunities for learning and understanding because it is during this period of retirement that the idea of a university as a community of those who seek greater understanding through learning can be put into practice.

### The unique characteristics of U3A

- Learning topics are selected by members.
- In-depth courses are planned by members.
- Presenters / Facilitators are often local people or members.
- The company of others who enjoy learning is ensured.
- The atmosphere for learning is informal and friendly.
- There are no examinations.
- There are no compulsory activities.
- Courses take place in daylight hours.
- Costs are kept to a minimum.
- U3A Invercargill was formed in 2002.

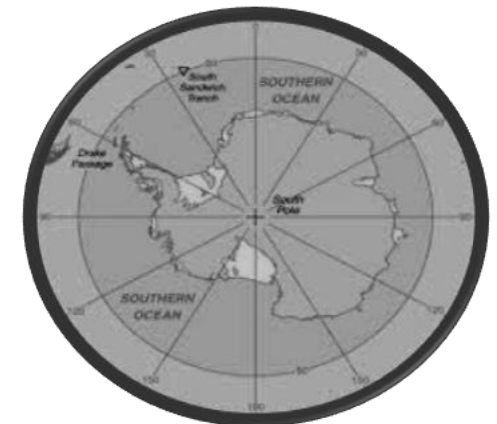


THE UNIVERSITY OF THE THIRD AGE

## *Science and the Southern Seas*

*2014 Series 3*

**June 6 to July 4**



Venue: Windsor Community  
Church Hall Windsor St.  
Time: 10 a.m.  
Cost: \$20 per person

## *Science and the Southern Seas*

Most of the speakers are involved in research at the Department of Marine Science of Otago University. They will give us a glimpse of some of the wide-ranging work that is being undertaken to understand and care for our ocean environment. Our last presenter looks at some of the commercial aspects of the topic.

**Session 1 Friday June 6**  
**Presenter: Associate  
Professor Abigail Smith.**

### **Shells**

What are they made of, who cares, and are they at risk.

**Session 2 Friday June 13**  
**Presenter: Dr. Lucy Jack.**

### **You can't go home again.**

Lucy uses forensic evidence from seal and sea lion bones to track changes in the ecosystem.

**Session 3 Friday June 20**  
**Presenters: Tiffany Stephens  
and Matt Desmond.**

### **Kelp in Southern Waters.**

Tiffany will discuss the role of nitrogen and water motion on the growth of kelp while Matt will look at the importance of light.

**Session 4 Friday June 27**  
**Presenter: Sally Carson.**

### **Citizen Science on Southern N.Z. Shores.**

Sally will discuss the M.M.S. project (Marine Metre Squared) in which members of the public are invited to do their own shoreline research. Sally is Director of the N.Z. Marine Studies Centre.

**Session 5 Friday July 4**  
**Presenter: Marie McDonald.**

### **From Sea to Table.**

Marie will discuss aspects of her work as Quality Assurance Manager at Sanfords, Bluff.

Enquiries to:  
David Karran 217 6826  
Brian Lucy 218 7614

**Registration Form**  
Please enrol the person(s)  
named on the reverse.  
for

## *Science and the Southern Seas Series 3 2014*

Amount enclosed  
\$20 per person

Amount	Cash	Cheque
\$		

Make direct credit payments to  
03 1746 0080910 000  
using your name, series and  
telephone numbers.  
*Registration form not required.*

Tick for Receipt

Please Post your registration to:

The Treasurer,  
U3A Invercargill  
P O Box 6147  
Invercargill North  
Invercargill 9841