2008 has been an extraordinarily productive year for ANCORS which has included significant progress and change on several fronts. In December we moved into our new building in the University of Wollongong’s Innovation Campus. This state of the art facility offers an appropriate environment for a leading edge research centre. Our ocean views provide the intellectual stimulus necessary for high quality maritime policy work.

You will note from the selection of articles in this newsletter the breadth and diversity of subject matter and organisations with which the Centre is involved. Our publications record is also impressive. Issues cover a broad spectrum from governance of the high seas, climate change, coastal zone management, fisheries and other resources management, global and regional policy matters, maritime boundaries and maritime security in its many aspects. The need for our services continues to expand in Australia and around our Region.

There were numerous highlights during the year including a highly successful reception at Parliament House, Canberra in September to launch the ANCORS Research Agenda titled Addressing Maritime and Oceans Policy Implications of a Changing World. The event was attended by The Hon. Kevin Rudd MP, Prime Minister of Australia; The Hon Robert McClelland MP, Federal Attorney General; The Hon Joel Fitzgibbon MP, Minister for Defence; The Hon Duncan Kerr SC MP, Parliamentary Secretary for Pacific Island Affairs; The Hon Greg Combet AM, MP, Parliamentary Secretary for Defence Procurement along with other MPs, Senators and senior officials from many government departments and agencies. My sincere thanks to our co-hosts Wollongong Federal representatives Ms Sharon Bird MP, Member for Cunningham and Ms Jennie George MP, Member for Throsby along with Professor Gerard Sutton, Vice Chancellor of the University of Wollongong; Vice Admiral David Shackleton, Chair ANCORS Advisory Board and Advisory Board Members, Staff and Fellows.

Our funded research activities have expanded and encompass a broad range of maritime and oceans policy matters.

Examples of new projects include:

- ANCORS was successful in joining the CSIRO Coastal Zone Management Cluster. In collaboration with the CSIRO Wealth from Oceans and Climate Adaptation Flagships and several other universities, this nation-wide Cluster will research policy and management issues.

- ANCORS in collaboration with CSIRO (Marine and Atmospheric Research) and the Indonesian Ministry for Marine Affairs and Fisheries (MMAF) won a major nationally competitive Australian Centre for International Agricultural Research (ACIAR) research grant to examine Indonesian fisheries management.

- ANCORS in collaboration with MRAG Asia Pacific and Pacific Operations were commissioned by the Pacific Islands Forum Fisheries Agency (FFA) to undertake analytical studies to support the development of a Regional

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ometime during a long career in the Australian Public Service mainly in the welfare agency Centrelink and its predecessors I
developed an interest in aquaculture, little knowing where it would take me. At that stage I was working with Aboriginal communities in northern Australia. Always a keen recreational fisherman, I felt that aquaculture might have an application on communities.

At the time I was thinking about aquaculture, Professor Sena De Silva was establishing a masters program in aquaculture at Deakin University at Warrnambool in Victoria. I was fortunate to gain admission to the first intake and completed my Masters at the end of 1994. I won a job as Director Aquaculture in the Department of Primary Industries in Canberra and subsequently spent the next ten years leading for Australia in most of our international fisheries and aquaculture work regionally and internationally. It was during this time that I first met Professor Martin Tsamenyi, mainly in his capacity of providing an excellent introductory course in the Law of the Sea to my staff.

In 2004 I was appointed as the Chair of the Western and Central Pacific Fisheries Commission. Over the past five years that I have served in this position I have enjoyed Martin’s company as he was appointed as legal advisor to the Commission. Beyond complaining about the rate of pay he receives he has provided terrific service to the Commission and in many ways has helped build my understanding of the importance of the law of the sea, and maritime policy and how they should be applied in a practical sense to problems and emerging issues in regional fisheries commissions.

These days I am CEO of AFMA and retain my links to Martin and UoW and the Australian National Centre for Oceans Resources and Security (ANCORS). Again AFMA benefits from the introductory UoW Law of the Sea course; it proves very valuable to our staff as we are engaged in fisheries enforcement work out on our borders.

I am pleased to be part of the ANCORS Board as I see it filling an important niche in facilitating debate and development in Australia’s oceans policies and sustainable use. UoW, ANCORS and in particular Martin also provide a very valuable service in capacity building, research and education to students and countries regionally. This emerging group of past UoW students are now occupying important positions in both neighbouring countries and regional organisations.

I look forward to the challenges of working with the UoW and ANCORS staff to more firmly establish the funding base for ANCORS so that we can develop an ongoing program of work and education and importantly, start publishing papers that encourage debate on marine policy issues in Australia.

ANCORS Paves the Way with Vessel Monitoring System (VMS) training

A
n inaugural Vessel Monitoring System (VMS) training course will be conducted at the ANCORS Innovation Campus 16 to 20 February 2009. ANCORS in collaboration with The Pacific Islands Forum Fisheries Agency (FFA) are conducting the course for FFA Members. This training covers a wide range of subject matter and aims to further develop and prepare FFA VMS officers in their roles and responsibilities as VMS implementation officers. With the implementation of the Western Central Pacific Fisheries Commission (WCPFC) VMS only months away, it is important that FFA VMS officers understand the relationship between the FFA VMS and the WCPFC VMS since the WCPFC will be utilising the FFA VMS infrastructure and will be using the same programs for the delivery of their VMS services.

2008 in Review: Progress and Change

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onitoring, Control and Surveillance (MCS) Strategy for Pacific oceanic fisheries. The Centre’s significant contributions to capacity building are also evident from the impressive list of doctoral and masters completions in 2008, along with the high quality candidates currently enrolled; and our professional short courses continue to be well supported. My personal congratulations go to all our graduates. We look forward to a dynamic, busy and successful 2009, along with our many clients, partners, stakeholders and supporters. Thank you for your ongoing interest and support.
ANCORS Coastal Zone Management Cluster: ANCORS Part of Winning Consortium

ANCORS has joined forces with Australia’s other leading researchers in the social and institutional dimensions of coastal management from nine universities from all states and territories to form a Coastal Zone Management (CZM) Cluster. The Cluster is expected to be officially launched in March 2009 and will run for 3 years. Working in collaboration with research teams within CSIRO primarily the Wealth from Oceans and the Climate Adaptation Flagships along with other stakeholders, the Cluster will take a broad view of the coastal zone. The overall focus of the CZM Cluster is “Clearing the path for science impact: identifying and overcoming the social and institutional barriers to effective and integrated management of Australia’s coastal zone in the face of future change” through exploring five project themes: Governance and Institutional Arrangements; Socio-Cultural Context; Knowledge Systems; Adaptive Learning; and Coastal Communities in Indigenous, Remote and Tropical Contexts. ANCORS Principal Research Fellow Lee Cordner will lead the capstone Integration and Synthesis project, the primary and essential objective of which is to develop practical, workable strategies for progressing improved integrated management and communication between the many players with diverse needs, expectations and perspectives involved in the coastal zone. This will include a core focus on improving the impact of CSIRO scientific work and overall outcomes for the future of the coastal zone.

Addressing Oceans Governance Beyond National Jurisdiction

Governance for the 64% of the World’s oceans that lie beyond national jurisdiction looms as a major issue to be addressed in the coming decades. While there has been substantial progress in recent years in achieving integrated oceans governance in areas under national jurisdiction and in some regional seas areas, governance of marine areas beyond national jurisdiction remains sectorally based and fragmented.

During 2008, ANCORS Senior Research Fellow, Dr Robin Warner engaged in a number of governance initiatives for marine areas beyond national jurisdiction through her membership of the Oceans, Coasts and Coral Reefs Specialist Group of the International Union for the Conservation of Nature’s (IUCN) Commission on Environmental Law. The group convened a panel on Ocean Governance in the 21st Century during the IUCN World Conservation Congress (WCC) held in Barcelona 5-14 October 2008. This included a paper on “Securing a Sustainable Future for the Oceans Beyond National Jurisdiction” presented by Robin and Kristina Gjerde, High Seas Policy Advisor to IUCN. The paper reviewed the rising threat profile for marine areas beyond national jurisdiction from climate change and intensifying human uses as well as gaps in the international law framework. A special issue of The International Journal of Marine and Coastal Law, launched at the WCC on “International Ocean Governance in the 21st Century”, included an article by Robin Warner and Rosemary Rayfuse that analysed the potential legal basis for an integrated cross-sectoral regime for high seas governance.

At a Workshop on Governance of Marine Areas Beyond National Jurisdiction convened by the Global Forum on Oceans, Coasts and Islands 3-5 November 2008 in Singapore, Robin presented a paper proposing a new system of governance for the high seas founded on the concept of international public trusteeship. Since 2005, the Global Forum has informally promoted policy dialogue between ocean leaders from governments, UN agencies, NGOs and the private sector in 105 countries to inform and support formal processes that may be established by the United Nations General Assembly on the governance of marine areas beyond national jurisdiction. Along with earlier workshops held in Nice and Hanoi, the intent is to clarify management issues and policy options and identify avenues for consensus building between the disparate interests of developed and developing countries, industry and environmental groups. Reports from the Workshops have been submitted to the biennial meetings of the UN Ad Hoc Open-ended Informal Working Group on conservation and sustainable use of marine biodiversity in areas beyond national jurisdiction in New York.
As personal assistant to the Director and ANCORS office manager barely a day passes in which no one calls on Myree to resolve one crisis or another related to finance, project management, travel and accommodation, the organization of courses, or to ever demanding staff and students. She not only assists the Director in all ANCORS business activities but is also the friendly voice at the end of the phone fielding enquiries, and the welcoming smile greeting visitors from near and afar.

It is fair to say that Myree is both the administrative and human heart of the Centre. No one can appreciate the growth and progress of ANCORS from its infancy better than Myree. She has been with ANCORS since its inception as the Centre for Maritime Policy in 1994, supporting its development and growing reputation, and is thus considered to be the ‘Mother of the Centre’: a term she is not very fond of, but must suffer nonetheless. Her informal roles often include ensuring that birthdays are commemorated – usually with cake – acting as friend and confidant to staff and students, and occasionally providing a shoulder to cry on – especially for Ph.D. students as they persevere through the difficult process of dissertation writing and encounter life’s usual personal dramas.

Myree has worked at UoW since the early 1970s and has long experience with its many intricacies and often exasperating idiosyncrasies. She has often threatened to write a book exposing three decades of University gossip – better make it a novel Myree! Known for her dislike of hot days and preference for the cold, her battles for control of the air conditioning thermostat in a previous Centre location are legend. Luckily for those in the Centre today, staff (i.e., Myree) no longer can control the temperature – so everyone is safe from the prospect of fingers freezing solid to their keyboards. While her work each day seems endless, she is probably the only one in ANCORS who completes her work on time. In the rare periods in which she takes leave, the Centre threatens to grind to a screeching halt. Panic usually unfolds as other ANCORS staff struggle to come to terms with Myree’s filing system or other administrative processes that work well for Myree yet are incomprehensible to the minds of mere academics. Thus Myree has mastered the golden rule of working life: indispensability!

A voracious reader, music and ballet fan, avid traveller and cake decorator extraordinaire, Myree enjoys life in Wollongong’s leafy northern suburbs. In addition to husband Len and her Centre ‘children,’ she is the proud mother of two daughters: Justine, a registered pharmacist, and Millie, a King Charles Cavalier spaniel.

The Spatial Dimensions of Fisheries: Putting It All in Place

Honorary Professorial Fellow Richard Kenchington was invited to the Seventh Florida State University William R. and Lenore Mote International Fisheries Symposium, theme: The Spatial Dimensions of Fisheries: Putting It All in Place. The biennial Mote symposium has become an important and innovative forum for fisheries research in the U S A. He present a paper entitled “Strategic roles of a multiple use protected area in managing a marine ecosystem.”

The symposium covered a wide range of spatial management issues of fisheries including: the criteria for sustainability of fisheries, the optimum allocation of resources within a stock between commercial and recreational fishing, the roles of permanently closed areas as reference sites for comparison of biodiversity and ecosystem health of fished and unfished areas, and computer models of fishery strategies.

ANCORS Professional Short Courses

ANCORS is pleased to announce its 2009 professional short course programme, which will comprise the following: Law of the Sea (29 June - 3 July); Maritime Regulation and Enforcement (24 - 28 August); and International Fisheries Law (2 - 6 November).

The principal lecturers for the courses are drawn from ANCORS and upon the expertise of its range of specialist Visiting Fellows, as well as a number of other guest lecturers from relevant Commonwealth Government departments and agencies.

For additional details, please visit the ANCORS website.
ANCORS Leads Major Policy Forum on Indian Ocean Maritime Security

Indian Ocean maritime security has become a topic of major significance in recent years due to great power competition, marine resource management concerns and high profile security concerns like piracy off Somalia. ANCORS Principal Research Fellow, Lee Cordner has been appointed as the Symposium Director and Convenor for an invitation only Indian Ocean maritime security policy symposium to be held at the Australian Defence Colleges, Canberra 15-17 April 2009. The aim of the Symposium is to improve understanding of the issues and challenges for maritime security in the Indian Ocean with a view to identifying options for enhancing cooperation.

Participants from countries around the Indian Ocean rim including India, Pakistan, South Africa, Indonesia, Sri Lanka and Australia plus key external powers like the US, China and France have been invited. They will consider maritime issues and challenges for the Indian Ocean region in the broadest sense of the concept of security as they affect Indian Ocean littoral states and the wider international community. Traditional maritime security issues like freedom of navigation, security of sea lanes, maritime boundary and domain security, proliferation of weapons of mass destruction and challenges to law and order (e.g. piracy and sea robbery; criminal activities like drug, people and arms smuggling; illegal fishing; illegal immigration; maritime terrorism) will be considered. In addition, consideration will be given to issues like economic security, energy security, food security, environmental security and human security.

Developing a Pacific Islands Fishing Control

In late 2008, ANCORS in collaboration with consultants MRAG Asia Pacific and Pacific Operations were commissioned by the Pacific Islands Forum Fisheries Agency (FFA) to undertake comprehensive analytical studies to support the development of a Regional Monitoring, Control and Surveillance (MCS) Strategy for Pacific oceanic fisheries. Regional leaders endorsed the project at the 2008 Pacific Islands Forum and committed themselves and their governments to developing "...with the assistance of the FFA, a comprehensive regional Monitoring, Control and Surveillance strategy".

The focus of the regional MCS strategy will be on ensuring effective compliance with fisheries management measures through the minimization of illegal, unreported and unregulated (IUU) fishing. The strategy will support the sustainable use of oceanic fisheries resources throughout the Pacific Islands region, and provide additional benefits for other compliance functions (e.g. customs, immigration, counter-terrorism). The MCS strategy is intended to boost existing arrangements by improving regional cooperation, better use of existing compliance assets and further developing infrastructure and procedures.

The Regional MCS Strategy project will undertake five analytical studies: Regional Oceanic Fisheries Risk Assessment; Compliance Review; Information Management; Regional MCS Coordination; and Regional Capability. A comprehensive analysis across all five projects will establish a framework to harmonise MCS priorities, operations and activities; provide operational MCS support through the establishment of a Regional MCS Coordination Centre (RMCC); manage and share information; and investigate ways of increasing capability, including the establishment of a regional pacific patrol vessel fleet.

Consultation with interested agencies and stakeholders will be a critical component of these studies. The consortium will hold workshops and undertake in-country research in each of the Pacific island countries between February and April. Additional visits will be made to US and French naval and coastguard authorities in Hawaii and New Caledonia.

ANCORS Senior Fellow Quentin Hanich will coordinate ANCORS participation across four of the five projects and coordinate the compliance review, led by Marcel Kroese from the USA. Visiting Principal Research Fellow, Commodore Jack McCaffrie will lead the research team investigating Regional Capability and options for the establishment of a regional pacific patrol fleet. Professor Martin Tsamenyi and Honorary Professorial Fellows, Vice Admiral Chris Ritchie and Commodore Sam Bateman will provide advice on legal and strategic matters.

If you have any interest in these studies or the Regional MCS Strategy in general, please contact Quentin Hanich on +61 (0)2 4221 3389 or hanich@uow.edu.au.
International environmental law and I have been involved with each other for a long time. It is a relationship that has deepened over the years. We explore each other’s strengths and weaknesses, potentials and frustrations.

The affair began with adolescent environmentalism at school and matured into local activism in Melbourne, which was the home of the Australian environmental movement in the 1970s and 1980s. Studies in law at Monash University and in international law at the Australian National University focused on environmental law. At that time, issues concerning the marine environment and fisheries management loomed largest. In the late 1980s, international environmental law was not yet a recognised field of law. The first text book had not yet emerged and there were no jobs in Australia.

As it turned out, the United Nations Regional Office for Asia and the Pacific, located in Bangkok, was in need of consultants to prepare a regional report to submit for the preparatory conference process leading into the Earth Summit to be held in 1992. I enjoyed working there for a few months. The UN provided an exciting multicultural working environment, as well as a sobering view of the international civil service. Non-governmental organisations seemed more dynamic and, in 1990 I found work with what was then the brand new Centre for International Environmental Law (CIEL) in London, now called the Foundation of International Environmental Law and Development (FIELD). That experience was a highlight, working with like-minded people at the cutting edge of international developments, in the market for ideas located at the crossroads between Europe and the Americas. I undertook consulting work, travelled, became the founding Editor-in-Chief of the Review of European Community and International Environmental Law, taught at the University of London and met the person I would marry. By 1994, life had settled down and it seemed that a choice arose of making responsible decisions in London or of coming back to Australia.

The wide blue skies, the warm salty beaches, the singing birds and cicadas, the friendly gum trees and the sharp aroma of eucalyptus in the air and my family at home were calling. I returned to Australia, to the Department of Foreign Affairs and Trade to head up the Environmental Law Unit in its Legal Office. This involved diverse and interesting work, including treaty negotiations, the emerging debate over trade liberalisation and environmental restrictions on trade, and Asia Pacific regional issues. It also brought a realisation that the notorious gap between treaty commitment and implementation is also present in Australia, as in many lesser developed countries, due largely to gaps in responsibility for environmental matters between federal and state jurisdictions.

Visits to Wollongong were the accidental result of conferences on the law of the sea, marine environment and trade in genetic resources. What a surprise! Norman Gunston’s 1970s comedic portrayals of the Dapto Dog races were a long way from the 1990s university doing world class legal work on international conservation of natural resources. Set in the verdant foothills of the NSW south coast overlooking the mountains and the sea, UoW was inviting. This seemed an ideal place to continue work on international marine environmental law, now with a focus on national implementation of treaty obligations.

My research now addresses environmental treaty compliance systems, such as international reporting, auditing and assistance procedures, and their links to domestic implementing structures. In the marine environment, this has included attention to the problem of integrated marine governance. The scope of my work has also broadened to encompass some study of crime, such as illegal fishing and logging and terrorism. Consequently, I have also engaged in research on how to respond to terrorism, whether as armed conflict under international law or as crime under national law, and on legal harmonisation and cooperation to combat transnational environmental crime.

I have been a member of the Faculty of Law at UoW since 1999, where I took up the role of Associate Dean for Research in mid-2007. In 2009, I will take up a position as Research Fellow at ANCORS. I have always enjoyed engagement at ANCORS, where friendly colleagues do leading edge research work. I am looking forward to an exciting year.
ANCORS Northern Exposure

During 2008 a group of ANCORS researchers turned their gaze northwards to the rapidly melting sea ice of the Arctic Ocean to analyse the implications of this significant global development for Australia and the Asia Pacific. Associate Professors Clive Schofield and Warwick Gullett with Dr Robin Warner obtained a UOW UIC International Links grant to support and enhance research links between ANCORS and oceans policy research centres in the northern hemisphere with view to fostering collaborative research on emerging oceans governance challenges in the Arctic, including implications for Australia and the Asia Pacific region.

The Arctic is undergoing profound changes, most notably a dramatic downward trend in sea ice cover, with scientists predicting this could result in a sea ice free summer by 2030. Emerging oceans governance opportunities and threats relate to boundaries, biodiversity, resources and navigation. The changes occurring in the Arctic will have global implications for the conservation and management of marine resources and biodiversity and international shipping routes. Arctic related research by ANCORS staff has yielded both scholarly and policy-oriented publications and engagement at a number of meetings devoted to high latitude issues. A paper by Dr Clive Schofield, together with Dr Tavis Potts of the Scottish Association for Marine Science (SAMS) entitled “An Arctic Scramble?: Opportunities and Threats in the (Formerly) Frozen North” appeared in the International Journal of Marine and Coastal Law in January 2008. The same authors also have an article titled “The Arctic: A Race for Resources or Sustainable Ocean Development?” set to appear in a forthcoming issue of Ocean Challenge, the journal of the Challenger Society for Marine Science.

Legal and geopolitical implications were explored at the inaugural Polar Law Symposium convened by the United Nations University Institute of Advanced Studies (UNU-IAS) and the University of Akureyri in Iceland 7-9 September 2008. Expert speakers from governments, academia and non-governmental organisations considered the themes of environmental governance, emerging and re-emerging jurisdictional issues and sustainable development and human rights in both Polar Regions. In a panel devoted to shipping and navigation issues, Dr Robin Warner presented a paper on “Charting a Sustainable Course Through Changing Arctic Waters” which highlighted the threat posed to the species, habitats and ecosystems of Arctic waters by a higher volume of shipping transits through the region and the need to balance navigational rights with environmental safeguards.

Dr Schofield subsequently presented papers dealing with maritime claims, particularly in respect of outer continental shelf areas in the central Arctic Ocean, the challenges arising from increasing navigation in the Arctic, and opportunities and threats in relation to increasing access to and exploitation of Arctic resources and biodiversity at the Advisory Board on the Law of the Sea (ABLOS) conference on Difficulties in Implementing the Provisions of UNCLOS, Monaco, in October 2008, the Law of the Sea Institute, University of California Berkeley, and Inha University conference on Ocean Governance: Structure, Functions and Innovations, Berkeley, November 2008 and the Arctic Change 2008 meeting in Quebec City, in December 2008.

Norwegian Ambassador to Australia Visits ANCORS

The Norwegian Ambassador to Australia, His Excellency Lars A. Wensell, paid a visit to ANCORS on 16th January 2009 as part of his official visit to the University of Wollongong. Ambassador Wensell was briefed by Professor Martin Tsamenyi, Director of ANCORS, on various issues including the research activities of the Centre and the existing academic links with Norwegian scholars. The Ambassador said: “It was very interesting to learn about ANCORS and I would very much like to stay in touch with you and the Australian National Centre for Ocean Resources and Security in the future.”
Professors Fellow 

Profile

My interest and involvement in maritime affairs evolved over a number of years. The original stirrings of interest came not long after I had completed a Bachelor of Laws degree at the University of Western Australia with the discovery of the considerable resources found beneath the continental shelf of Western Australia. This led to me undertaking a master’s degree by thesis at Monash University on this subject, and having to delve into such diverse topics as the evolution of colonial legislative competence of the Australian colonies, the short lived Federal Council of Australasia, historic bay claims, and other seemingly esoteric topics. The subject also taught me the fascinating link between dust and serious historical research as I delved into old archival material. An opportunity arose to work for 12 months for the Food and Agriculture Organization of the United Nations (FAO) in Panama as a regional legal adviser to a number of States in the Caribbean region on how to give effect to the evolving fisheries provisions of the still to be completed 1982 UN Convention on the Law of the Sea (the 1982 Convention). In fact, advising countries on how to give effect to a Convention before the negotiations had been completed let alone entered into force was exciting and very much “cutting edge” work.

In 1988, the opportunity to work with the FAO came up again, this time at the headquarters in Rome. I went there for two years but ended up staying for 15. Much of the work was intended to assist countries to give effect in their national legislation to the Exclusive Economic Zone (EEZ) provisions of the 1982 Convention. However, changes were afoot in other ways. It was increasingly coming to be accepted that the 1982 Convention, while a dramatic breakthrough in itself, had not led to improved management of marine living resources.

At the same time there was a lot of work involving preparation of the 1993 FAO Compliance Agreement, and the Code of Conduct for Responsible Fisheries, while in 2001, FAO adopted, within the framework of the Code of Conduct, the IPOA-IUU, which tried to provide a toolbox for countries to tackle illegal, unreported and unregulated (IUU) fishing. That work led to consideration of measures such as increased attention being paid to the responsibilities of Flag State jurisdiction over nationals, Port State measures and trade measures to combat IUU fishing. This was followed by the adoption by FAO of the Reykjavik Declaration on Responsible Fisheries in the marine Ecosystem. Another important aspect of the work at FAO was the opportunity to work with a number of regional fisheries bodies.

Since my return to Australia, I have been able to become involved in the dynamic work of ANCORS on a number of levels, in part through teaching in some of the specialist courses, in part also in research in a number of areas. Of particular note has been the specialist courses delivered by the Centre at Wollongong, as well as the very successful courses in New Zealand, which were undertaken with Professor Martin Tsamenyi, and the preparation of a book on IUU fishing (with Dr Mary Ann Palma of the Centre, and Professor Tsamenyi).

ANCORS has clearly established itself as the leading Centre both within Australia and in the region concerned with maritime policy issues. The opportunity to be associated with the Centre has been very much appreciated.

Student Profile

Jane Mbendo

PhD Candidate

Jane Rowena Mbendo is on her final year of PhD study at ANCORS. She holds a BS Zoology degree from University of Eastern Africa in Kenya and an MSc Ecosystems Analysis and Governance from the University of Warwick in the United Kingdom.

Jane is from Kenya and has previously worked with the WWF-Eastern African Regional Programme Office as a policy officer for the Eastern African Marine Ecoregion, based in Tanzania. Her work involved implementation of policy initiatives in accordance with WWF conservation strategy geared towards sustainable utilisation of coastal and marine resources. She coordinated with the governments of Kenya, Tanzania, Mozambique, South Africa and Somalia in fishery related policy issues and also on the environmental impacts of oil and gas exploration in the region. She was involved in advocacy for regional cooperation of these coastal States in fisheries resource management and participation with the regional organisations.

Prior to her engagement at WWF Jane served as a fisheries officer for the government of Kenya where she was involved in setting up a programme for conservation of sea turtles and dugongs. She was also involved in managing aquaculture projects particularly for women and the youth in propagation of oysters and prawns.

Her areas of research interests include fisheries, sea turtles, sustainable development, and tuna management, on which she has published and presented in numerous international fora over the years. Jane's PhD dissertation addresses options for the sustainable utilisation of tuna resources in Kenya.
ANCORS hosts meeting on the formation of the Australian LRIT Cooperative Data Centre

On February 3-4, 2009, ANCORS hosted a meeting to discuss arrangements for the formation of an Australian Cooperative Data Centre (AusCDC) for the processing and exchange of long-range identification and tracking (LRIT) information from ships. All ships regulated by the International Convention for the Safety of Life at Sea, 1974 (SOLAS Convention), under SOLAS regulation V/19-1 adopted at the International Maritime Organization (IMO) in May 2006, are required to transmit their identity, position, and date and time of position at regular intervals for security, safety and search and rescue, and environmental protection purposes. Currently, transmissions are made via satellite. All Contracting Governments are required to belong to an LRIT data centre. Flag states, port states and coastal states can each access data to which they may be entitled via their nominated data centre. Australia established a National Data Centre run by the recognized Application Service Provider, Pole Star Global, in 2008. The February meeting involved detailed discussions to expand the centre into a Cooperative Data Centre, to initially also involve the Cook Islands, New Zealand and Papua New Guinea. Guided by Australian Maritime Safety Authority (AMSA) Vessel Tracking Manager and ANCORS Fellow, Jillian Carson-Jackson, the meeting involved representatives from AMSA, Border Protection Command, Maritime Cook Islands, Maritime New Zealand, National Maritime Safety Authority, PNG, and Pole Star, as well as participants and observers from ANCORS and AMSA’s Australian Ship Reporting System (AUSREP).

ANCORS was privileged to host and participate in this meeting, the first significant event to be held by ANCORS at its new premises. It provided fascinating insights into the LRIT negotiation process, which has been both diplomatically and technically complex at the IMO.

International Symposium on Islands and Oceans: Tokyo January 22—23 2009

This interdisciplinary symposium was convened by the Oceans Policy Foundation of Japan (OPRF) and co-organised with ANCORS and the Pacific Islands Applied Geoscience Commission (SOPAC) to consider priorities for a forthcoming research program relating to island management and protection in the face of rising sea levels. It brought together 18 specialists with expertise covering fields of marine and international law, geological science, marine biology, geography, and marine management and capacity building. ANCORS participants were: Professor Martin Tsamenyi Co-organiser, Session Chair and synthesis; Visiting Professorial Fellow Richard Kenchington, who spoke on “Maintaining coastal and lagoonal ecosystems and productivity”; Principal Research Fellow, Dr Clive Schofield “Against a rising tide in the South Pacific: Options to secure maritime jurisdictional claims in the face of sea level rise”; and Senior Research Fellow, Quentin Hanich “Implementing Oceans Governance – regional solutions to national challenges.”

The mixture of disciplinary specialists raised several issues that, while familiar within the discipline, were not widely appreciated beyond them. From the fields of international law and boundary definitions examples included: the uncertainties of enduring status of Exclusive Economic Zone areas dependent on island baseline points that become submerged by sea level rise; and the status of engineering works carried out to build up a structure that would otherwise be submerged. Examples from biophysical presentations included the processes of reef island formation; dependence of islands on the balance between biological carbonate production and loss through biological and physical erosion; the mobility and capacity of healthy coral islands to grow with rising sea levels; and capacities and limitations of reef restoration methods.

There was substantial discussion of the issues that have to be addressed in order to build and maintain the capacity of Pacific Island nations to manage the maintenance of islands and lagoon areas in the face of sea level rise. The immediate outcome of the symposium will be continuing discussions of research and capacity building issues, options and priorities with a view to developing a collaborative program involving ANCORS in the program of OPRF research currently being designed with grant funding from the Nippon Foundation.
In March 2000 I first came across the name University of Wollongong and one of its research institutes, the Center for Maritime Policy (CMP). At that time, working as the Deputy Director and Associate Professor of Fisheries College, Ocean University of Qingdao (renamed in 2002 as Ocean University of China), I had no idea that my life would be shaped by my CMP experience. I was invited to present a paper at a workshop entitled “Science, Law and Policy -- National and International Cooperation for Integrated Marine Environment Management, Qingdao 2000”. The workshop was the closing event of an AusAID-sponsored project between Australia and China. My paper was about the impact of the United Nations Convention on Law of the Sea on world fisheries, and it captured the attention of two Australian delegates, Professor John Morrison and Dr. Sam Bateman, both Professorial Fellows of CMP. From them I learned more about CMP and its Director, Professor Martin Tsameny. One year later, I joined CMP by turning myself into a PhD candidate.

In the long process of researching and writing my thesis, the intellectually stimulating and supportive environment made my time in CMP an enjoyable undertaking and one through which I learnt a lot. The diversified research expertise and experiences provided by CMP members benefited me to a great extent. I enjoyed immensely the opportunities to meet international students from diverse cultures and the friendships fostered by the exchange of ideas and different experiences. I also valued the lectures given at the CMP professional short courses.

In December 2004, I graduated from CMP with my thesis entitled China’s Response to International Fisheries Law and Policy: National Action and Regional Cooperation. It was later published by Martinus Nijhoff Publishers under its “Publications on Ocean Development” series. Some parts of my thesis were also accepted by international journals including Ocean Development and Earth System Science.

Upon completion of my PhD, I returned to China and was appointed as the Director of the Law of the Sea Institute, Ocean University of China, a prestigious research institute that plays a vital role in providing quality advice on national legislation governing oceans management. Besides my day-to-day functions in the Institute, I take responsibilities for funding applications and project operations, chair governmental-funded projects concerning China’s maritime interests, and organise the drafting and revision of national marine laws and regulations. I also provide consultancy services on long and short term policy planning for ocean-related governmental agencies and departments. I host bilingual courses on the law of the sea to undergraduates, English courses, the UNCLLOS and International Fisheries Agreements and International Law of the Sea and Marine Affairs to international masters students and PhD candidates. In fulfilling these capacities, I keep the CMP professional training and academic standard to guide me in achieving my vision for our Institute.

I have also been involved actively in academic activities overseas. I have been invited to international conferences and by research institutions. Most of all, I take it as an honorable experience teaching at the Rhodes Academy of Ocean Law and Policy along with world-class scholars. To my great delight, I ran into some scholars such as Professors Robin Churchill and Eric Jaap Molenaar who have also been associated with CMP. It was pleasant to express our fond memories of CMP and exchange information on its development. Cheering for the reputation of CMP, we were all delighted to note the progress it has made over the years and its evolution into the Australian National Centre for Ocean Resources and Security (ANCORS). I am certain that ANCORS will continuously be strengthened by its achievements and will remain as a center of academic attraction and symbol of professionalism and friendship.

My life would have been different without my CMP experience, and it remains as one of my sources of inspiration to strive for excellence. I look forward to contributing to ANCORS in many possible ways.

Dr Julia Xue

**Alumni Profile**

**From CMP Onwards:**

**Guifang (Julia) Xue**

“My life would have been different without my CMP experience, and it remains as one of my sources of inspiration to strive for excellence.”

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The Rising Tide of ANCORS Influence - A Raft of New Publications by the ANCORS Team

The growing influence of ANCORS as a Centre of Excellence for oceans law and policy is exemplified by a prolific array of publications authored by ANCORS Staff, Fellows and Associates in 2008 on challenging oceans issues. These included articles in prestigious, internationally recognised journals, research monographs, edited volumes with highly regarded publishers and research reports commissioned by Governments.

The strong cadre of maritime security policy expertise within the ANCORS team is reflected in the comprehensive treatment of maritime security offered in a new volume, Lloyds MIU Handbook of Maritime Security. The book addresses the swiftly evolving dimensions of maritime security in the post 9/11 environment and provides practical insights to maritime professionals in diverse fields of activity. ANCORS staff and fellows contributed to six chapters including: the evolving US Framework for Global Maritime Security from 9/11 to the 1000-ship Navy by Dr Chris Rahman; Offshore Oil and Gas Industry Security Risk Assessment: An Australian Case Study by Principal Research Fellow, Lee Cordner; Interdiction and Boarding of Vessels at Sea by Professorial Fellow Stuart Kaye; Long Range Identification and Tracking Systems for Vessels by Professor Martin Tsamenyi and Dr Mary Ann Palma; the International Regulatory Framework for Seafarers and Maritime Security Post 9/11 by Professor Tsamenyi, Dr Palma and Dr Clive Schofield; and on Security in the Maritime Sector of the Liquefied Natural Gas Industry by Peter Martin.

ANCORS Professorial Fellow Sam Bateman edited the volume with Rupert Herbert Burns and Peter Lehr.

Representation of ANCORS staff in international and Australasian journals on security was also prolific. Dr Schofield, Professor Tsamenyi and Dr Palma’s paper “Securing Maritime Australia” appeared in the January 2008 issue of leading international journal Ocean Development and International Law. Lee Cordner’s article: “Globalisation, Geography and Governance: Why the maritime case is vital to defending Australia’s interests” in Maritime Studies (May/June 2008) helped inform the Defence White Paper process in Australia along with “Securing Australia’s Maritime Domain” in the online journal Australian Review of Public Affairs: Digest (August 2008) and “The most capable warships in the Navy’s history set to join the fleet” to Headmark: Journal of the Australian Naval Institute (Dec 2008). ANCORS Senior Research Fellow, Dr Robin Warner contributed an article to the New Zealand Armed Forces Law Review (Vol 8) on “Joining Forces to Combat Crime in the Maritime Domain: Cooperative Maritime Surveillance and Enforcement in the South Pacific Region.” The article highlights the legal instruments and policy networks available to States in the region to monitor illegal activities at sea and the particular challenges entailed in policing a region whose total land mass is dwarfed by the surrounding ocean space.

In August 2008 Dr Schofield’s analysis of one of the underlying causes of the Somali piracy phenomenon, “Plundered Waters: Somalia’s maritime resource insecurity” was published in a book titled Crucible for Survival: Environmental Security in the Indian Ocean Region (Rutgers University Press) and he also published an update and assessment of events in the region in an article “Pirates not of the Caribbean” in online journal International Zeitschrift.

Maritime jurisdictional and international boundary issues were also explored through Dr Schofield’s contributions “Australia’s Final Frontiers: Developments in Australian Delimitation” to Maritime Studies (January/February 2008), “Claims, Conflicts and Cooperation in the Gulf of Thailand”, Ocean Yearbook 22 and “A Complex Mosaic: Maritime Jurisdictional claims in the Indian Ocean” in Indian Ocean Survey (Dec. 2008).

Legal and policy issues affecting marine resources and the marine environment were given considerable coverage led by Associate Professor Warwick Gullett’s ground breaking volume on Fisheries Law in Australia, published by Lexis Nexis Butterworths, the first comprehensive analysis of this complex and highly significant body of law for Australia. Dr Warner examined the international law framework for the protection of deep sea biodiversity in Ocean Yearbook 22 article, “Protecting the Diversity of the Depths: Environmental Regulation of Bioprospecting and Marine Scientific Research Beyond National Jurisdiction.” Dr Warner also contributed an article to a special edition of the Australian International Law Journal (Vol 14) on climate change which highlighted regulatory gaps in the existing international law framework for ocean based climate change mitigation activities.

If you have any questions, comments, and suggestions please feel free to email us:
lcordner@uow.edu.au [Lee]
lbb995@uow.edu.au [Lowell]
Lee Cordner and Lowell Bautista, Co-Editors
ANCORS Congratulates 2008 Graduates

The ANCORS team congratulates our many alumni who studied with us and were awarded post graduate degrees by the University of Wollongong in 2008, as follows:

**Doctor of Philosophy**

James Aston
Thesis: "Regulating the Environmental and Socioeconomic Impacts of Shipping and Other Vessel Based Activities in the Great Barrier Reef Marine Park and World Heritage Area"

Lara Manarangi-Trott
Thesis: "Fisheries Data Requirements under International Law: Achieving Long-Term Conservation and Sustainable Use of Tuna Fisheries in the Western Central Pacific Ocean"

**Master of Maritime Studies – Research**

Amelia Emran
Thesis: "The Regulation of Vessel-Source Pollution in the Straits of Malacca and Singapore"

Ronnie Gil Gavan

**Master of Maritime Studies with Distinction**

Ian Ronald Anderson
Robert Andrew Barb
Christopher David Crossman
Mark Tandy
Michael Joseph Turner

Philip John Watt
**Master of Maritime Studies**

Anthony John Burke
Kelvin Chew
Kasem Niamchay
Christopher Erson Smith

**Master of Maritime Policy with Distinction**

Janwei Li
Trinh Hung Nguyen

**Master of Maritime Policy**

Ferdinand Abad
Benny Arfan
Muhammad Asad
Pairote Fuangkan
Samsuri Hj Katemon
Sione Lino
Jose Balbino M Luspo
Shahriman Mahmud
Khairil Shah Mat Lazim
Veerudome Muangchean
Sarah Elizabeth Ring
Frederick Stumorang

**Graduate Certificate in Maritime Studies**

(Australian Command and Staff College Course, Australian Defence Colleges)

Gavin Ray Baker
Todd Douglas Bode
Steven John Bourke
Karl Andrew Brinckmann
Debra Maree Byrne
Sharon Eileen Audrey Campbell
Simon Andrew Mark Coates
Neil Andrew Coys
Esther Margaret Dank
Robert Alan Drew
Jonathan Paul Earley
Robert Geoffrey Elphick
Roger Fonhof
George Heiss Fonoehema

David Lloyd Frost
Peter Lawrence Giffard
Leng Yan Goh
Natalie Louise Hyde
Justin Garred Jones
Dean Mccormack
Grant John Miller
Donn Anthony Mirafiori
Mark Anthony Monaghan
Paul Newton
Jeffrey Owejan
Marc Louis Pavillard
Robyn Louise Phillips
Edmund Imants Piekusis
Nathan Jerome Robb
Najhan Md Said
Iain Patrick Slater
William Virgil Smalts
Leanne Michelle Steinman
Dery Suendi
Toshima Takeuchi
Tammy Jane Thomas
Thammarat Tiabtiam
Tee Yang Toh
Craig Philip Tuffley
Fraser Anderssen Vergelius
Melanie Ann Verho
Bruce Willington

In addition, we congratulate our many graduates from the ANCORS Short Course Programme during 2008 including: *Australian Law for Maritime Professionals* (for Australian Maritime Safety Authority (AMSA)) – 7 students; *Maritime Security Law* – 13 students; *Law of the Sea* – 42 students; *Environmental Law* – 13; *Maritime Regulation & Enforcement* – 36; *International Fisheries Law* – 28; and *Legal Regulation of Shipping* (for AMSA) – 9.

Calling all ANCORS Alumni and Welcoming ANCORS Associates

Networking is an important aspect of our professional lives and we can each gain considerable benefit and pleasure from interacting with others who share similar interests and experiences. The Director ANCORS is pleased to invite any person who has completed a course of education or a training with ANCORS (including with the former Centre for Maritime Policy) to register as an ANCORS Alumni.

We have recently established an ANCORS Associates network. We welcome any person who is or would like to be associated with us to become an ANCORS Associate. This informal network can include anyone who shares our interests in maritime, oceans and marine affairs. Associates can be nominated by a member of our Advisory Board, staff member, fellows, alumni, students and other ANCORS Associates. People are also welcome to self-nominate.

We greatly value our Alumni and Associates who will be kept informed, from time to time, of ANCORS developments and opportunities that may be of interest, and their views or contributions may be sought. Please check our website for information on how to register for our Alumni and Associates database.