

Australian Institute for Maritime Archaeology

NEWSLETTER

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Australian Institute for Maritime
Archaeology (Inc)

Editors: Kieran Hosty & Lindsey Shaw
Australian National Maritime Museum
GPO Box 5131,
SYDNEY NSW 2001
PH: 02 552 7777 FAX: 02 552 2318

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AIMA Executive Council for 1995 -
1996

President: Bill Jeffery
Sen Vice President: Jeremy Green
Vice President: Mark Staniforth
Vice President: Myra Stanbury
c/- State Heritage Branch,
Department of Environment and
Natural Resources GPO Box 1047
ADELAIDE SA 5001
PH: 08 204 9311 FAX: 08 204 9250

Secretary: Terry Arnott
c/- State Heritage Branch,
Department of Environment and
Natural Resources GPO Box 1047
ADELAIDE SA 5001
PH: 08 204 9245 FAX: 08 204 9250

Treasurer: Patrick Baker
c/- Western Australian Maritime
Museum
Cliff Street
FREMANTLE WA 6160
PH: 09 431 8443 FAX: 09 430 5120

Honorary Auditor: Tom van Leeuwen
7 Delamere Avenue
SOUTH PERTH WA 6151
PH: 09 277 1611

From the Editors

Welcome to the third AIMA newsletter
for 1996.

Contributors please note the next
issue for the Newsletter (15.4) is due
at the end of December 1996.

Now that the ANMM is connected via
the 'net' contributors can send their
latest information, news items and
juicy gossip to either Lindsey Shaw
(lindsey@anmm.gov.au) or to Kieran
Hosty (khosty@anmm.gov.au).

**Australian National Maritime
Museum**

Touring around S Aust: In October
Kieran gave a series of four lectures at
Flinders University in South Australia.
These lectures covered a diverse range
of subjects including the maritime
archaeology program at the Australian
National Maritime Museum, *HMS
Pandora, gentlemen collectors and the
Polynesian Connection, The Artefact
versus the Object*: interpretation of
archaeological material in museums
and *Museums without shipwrecks,*
Shipwrecks without museums: non
museum forms of archaeological
interpretation.

Besides talking to students and other Flinders University Staff Kieran was also able thanks to Mark Staniforth's expert navigation and driving skills to have a quick tour of other Adelaide attractions including the Adelaide Art Gallery, The South Australian Museum, The South Australian Maritime Museum in Port Adelaide and the South Australian Immigration Museum.

Many thanks to Mark and Paddy for their hospitality.

The very model of a model maritime curator:

During the last five months Kieran has been flat out on a major exhibition called *Modelmania*. Although having very little to do with maritime archaeology he has managed to sneak in a John Riley model of the wreck of *SS Catterthun*. The exhibition which will open in mid December features models and other forms of maritime art from around Australia, including one from the Museum and Art Gallery of the Northern Territory called *Australia Felix* which is 12 metres high and eight meters long. Once the exhibition is open and the initial influx of brickbats and bouquats has been delte Kieran promises to get the newsletters back on schedual.

Off to Tahiti ?: This year has been a very interesting one for the maritime archaeology program at the ANMM. For the first time the ANMM will be conducting maritime archaeological activities overseas when it teams up with members of the Tahiti Museum and Newport Maritime Museum in the USA to investigate an American - Australian trading vessel called *Julia Ann*.

First mentioned in the last AIMA Newsletter (15.2) team leader Paul Hundley and conservator Sue Bassett will be leaving Australia for Tahiti on 26 December 1996. Once there they will proceed by sailing vessel to the island of Manuae where they will be donducting a pre-disturbance survey of the wrecksite and its associated land site.

This will be hopefully be the first of other overseas projects. The ANMM has also been approached by the Fiji Museum as well as by the Tongan Minister for Ports in regards to assistance with their underwater cultural heritage.

Kieran Hosty
Curator ANMM

New South Wales

Lady Darling Discovery: The wreck of the long-sort-for steam collier, *Lady Darling* (1864-1880), has been discovered near Montague Island on the New South Wales south coast. It has lain undisturbed in 30 metres of water till August when it was accidentally snagged in fishing nets. Confirmation of its identity was made by David Nutley and Tim Smith after their two separate inspections. This site is in pristine condition with the stern section, including the engine and boilers, standing five meters proud of the sand. The wreck is covered in a beautiful array of marine growth, providing excellent opportunities for photographic essays.

The *Lady Darling* was powered by a rare two cylinder "simple" marine engine. The engine of the *Woniora* lost near Sydney in 1882 provides the only other known example in New South Wales. The *Blackbird*, wrecked in

1878 at Corner Inlet in Victoria, being another.

A 150 meter Protected Zone has been placed around the wreck by the Federal Minister for Communications and the Arts. Permits have been issued to six local charter boat operators from Natooma and Bermagui. These operators are actively assisting with the management of the site.

David and Tim will lead a survey team in a week long survey from the 4 November. The team will comprise divers from the manly Hydraulics Laboratory, Mike Nash from Tasmania, Conservator Antonia Syme from Sydney and an independent video documentary producer. A detailed photogrammetric study of the site will be undertaken, together with sand profiles, O2 salinity, pH and corrosion potential measurements.

Phoenix Search: Tim Smith led a search for the paddle steamer *Phoenix* which was wrecked near the mouth of the Clarence River at Iluka in 1852. Built in 1846 this early Australia steamer carried the earliest known marine engine to arrive in Australia. The engine powered the *Sophia Jane*, the first overseas steamer to reach Sydney in 1831. Upon decommissioning in 1845, the engines were fitted to the newly built *Phoenix*.

Southern Cross University detected two buried anomalies during a TM-4 magnetometer survey of the area in 1993. The smaller anomaly was thought to correspond to the Australian built schooner *Susan*, wrecked in the vicinity in c1850.

The results of the search proved disappointing with no buried anomalies detected in the area. Substantial erosion of the frontal dunes

has totally changed the topography of the beach and difficulties were experienced relocating the survey grid used by the University team. A ferix Magnetometer loaned from the Australian Defence Industries (ADFI Pty Ltd) was used for the search. An additional search will be mounted when the University attempts to re-establish their search area at a later date.

Richmond River Shipwreck Study Consultant maritime historian, Mike Richards, has begun a study of shipwrecks lost in the Richmond River on the New South Wales far-north coast. This is the third regional study commissioned by the Heritage Office and will help to establish the extent, location and significance of the local Historic Shipwreck Resource. Mike's expertise in shipping history of the northern regions and his close contact with local historical societies and museums, will greatly assist the success of the project.

SCUBA Expo '96: A display entitled 'Maritime Archaeology' was run by the Heritage Office at the SCUBA Expo'96 display. Located at Darling Harbour, the display ran from the 24 0 30 July. The event was a great success, with some seventy thousand people attending. The Heritage Office was inundated with enquires about maritime archaeology in Australia, and ten previously unknown New South Wales wreck sites were notified. Special thanks go to AIMA for the financial assistance offered at the AIMA Mini Conference which went towards producing display material. Plans for a July 1997 Scuba Expo display are underway and it is hoped that Victoria's *Shipwreck Showcase* exhibition might be available.

Flinders University: David Nutley is presenting several lectures to the Flinders University Maritime Archaeology course during the week of 21 October. The talks will cover the role of cultural resource management in Maritime Archaeology and current attitudes/approaches in interpretation and publications.

Shipwreck Atlas of NSW: Edition Three of this well received publication will be available from the end of November. Edition Two sold like hot cakes following its launch at the 1995 Scuba Expo and established an important two-flow of information between the diving public and the Heritage Office. With updated information and an extended range of topics the Atlas continues to be the only publication of its type available. Newly located shipwrecks such as the *Lady darling* have been included, with plans to enlarge the topic sheets. The retail price will be \$65.00 and orders can be placed with the Information Centre, Department of Urban Affairs and Planning, Sydney, on (02) 9391 2222, or contact the Heritage Office on (02) 9391 2034 or (02) 9391 2037.

Tim Smith
Office of Heritage

Queensland

Queensland Museum

Pandora 1996: It is seven months since the Queensland Museum's maritime archaeology team returned from the *Pandora* wreck site. More than half of the 480 objects recovered during the 1996 expedition have now gone through conservation treatment and are ready for research and display.

One curious artefact that has recently come out of conservation is of particular interest. Recovered from the area of the wreck suspected to be First Lieutenants John Larkin's cabin, an object resembling a letter stamp was initially covered in marine growth. After removal of the marine growth in the laboratory, the letters 'LARKIN' were revealed in mirror image. It also has a makers mark, I.Moore, London impressed into the side. This is definitive proof that the area being worked on was the first lieutenants cabin as initially suspected.

So far the Queensland Museum has been unable to find archival evidence of an official purpose requiring the first lieutenant to have a name stamp of this kind, for instance to verify that the ship's muster lists had been checked. Perhaps it was part of a personal desk set and he used it for his private correspondence. Alternatively, it has been suggested that he used the stamp to label as his property the large collection of 'artificial curiosities' also recovered from his cabin.

Colin White, senior curator at the Royal Navy Museum (Portsmouth, England) writes ' We are familiar with late 19th century and early 20th century examples, but this is the first example we have come across of one dating from the 18th century.

Polynesian War Clubs: Sometimes research begins before conservation ends. This is the case with five wooden clubs found stowed in the Larkin cabin area along with many other 'artificial curiosities'. they remain immersed in PEG and will stay there for at least another twelve months. The wood has been identified as beach casuarina but the Queensland Department of Forestry. This is a coastal hardwood

found throughout the Indo-Pacific region. Although the crew of the *Pandora* collected “artificial curiosities’ all over Polynesia, these clubs can be attributed to Tonga through their style and appearance. The intricate surface carving was produced by 18th century Tongans using either a shark’s tooth tool or an iron nail. they do not appear to have been used in battle and their use was probably ceremonial.

Catalogue: A catalogue of *Pandora* artefacts and a major report on the first phase of the *Pandora* Project is currently being worked on by Peter Gesner and Janet Campbell. the catalogue will detail all the artefacts recovered during the 1983, 1984, 1986, 1993 and 1995 expeditions. It will be published in the *Memoirs of the Queensland museum* series and will be available at the Museum bookshop or upon request.

***Pandora* Display on Tour:** A travelling exhibition *Piecing together the Puzzle* - was developed in 1995 by the Queensland Museum. It contains artefacts covering many aspects of life on board including the surgeons watch and other medical implements, ceramics, Polynesian material, a cannon, storage jar and water filter. Fourteen photographic panels, accompanying a video explaining how the hull broke up, an audio booth playing selected extracts from Captain Edwards, Surgeon Hamilton and mutineers Peter Heywood and James Morrison.

A replica of a grid on the seabed has been particularly popular with school groups, helping to explain the technical aspects of maritime archaeological work.

The exhibition has just finished a stint at the Port Adelaide Maritime Museum and will travel to Toowoomba, Rockhampton. Springsure, Gladstone and Sydney in 1997.

Conservation Section News The last seven months has been a busy time for the Queensland Museum’s conservators. they not only tackled the 480 artefacts recovered during the 1996 field season but continued to work on artefacts from previous expeditions which require a lengthy treatment process. the less intricate objects, such as window pane glass and shell ornaments, were desalinated to remove the damaging salts and dried under controlled conditions. Lead weights and musket balls were treated which chemical solution (sodium dithionite) to loosen any attached marine growth and a remove salts.

A small ceramic jar recovered during the 1995 expedition recently had its contents identified as mercury. This was initially suspected as the relatively small jar was unusually heavy, being only 93 mm high but weighing 1100 grams. Treatment of the object began with removal of the cork; then the contents were tackled by taking into account the potential human risks associated with handling mercury contaminated materials. This jar was decontaminated to remove residual mercury then desalinated and dried in a controlled environment.

The 1997 *Pandora* Expedition: Plans are well under way at the Queensland Museum for the next field season in January/February 1997. the team will spend four weeks at sea on TSMV *Pacific Conquest*, the vessel used as a work platform on the last three expeditions.

The main focus of the next of the next expedition will again be on the *Pandora*'s stern area. The excavation will continue in the areas of the wreck site which cover third lieutenant Thomas Hayward, purser Gregory Bentham and master George Passmore's cabins as well as Captain Edrard's storeroom and will reveal objects relating to their personal life on board.

If time and conditions permit a start will also be made in the bow area of the wreck, the area associated with the accommodation of *Pandora*'s ordinary sailors

Peter Gesner, Janet Campbell, Judy Simpson. Queensland Museum & *Pandora* Foundation Newsletter (Nov 1996)

South Australia

State Heritage Branch

Protection of State shipwrecks:

Eleven shipwrecks were declared historic under the (South Australian) *Historic Shipwrecks Act* 1981 by the Minister for Environment and Natural Resources on 17 October 1996. The declaration of these sites was a recommendation from the Investigator Strait and Backstairs Passage regional surveys of shipwrecks carried out by Cos Coroneos. The sites include the *South Australian*, the first ship wrecked in South Australia, and the *Ethel* and *Ferret*, well known tourist attractions located off the Lower Yorke Peninsula.

Investigator Strait Fieldwork: 28 Oct - 3 Nov 1996: Intensive survey work was carried out on a number of shipwreck sites located on the lower Yorke Peninsula. Most attention was

given to the wreck of the Turret steamship *Clan Ranald* (1900-1909), where further structural and corrosion measurements were obtained as well as video coverage of the entire site. A current meter was also deployed on-site to obtain oceanographic information to assist with the development of site management plans. Other shipwreck sites inspected and assessed by the team during the fieldwork were: the iron ship *Iron King* (1867-1873) near Troubridge Island, wooden ship *Marion* (1850-1851) near Troubridge Island, and the steel steamer *Willyama* (1897-1907) near Marion Bay. Sincere thanks are expressed to all members of the team involved, and to their institutions for enabling them to assist. The members of the team were: Freya Bruce (curator - Queensland Museum), Warren Delaney (technical officer - Queensland Museum), Dr Ian MacLeod (conservator - W.A. Museum), John Riley (iron & steamship consultant - NSW), Sven Bartels (oceanographer - S.A.), David Steinberg (maritime archaeology graduate presently working in S.A.), Bill Jeffery & Terry Arnott (State Heritage Branch), Terry Drew (photographer - S.A.), Ralph James (Marine Safety Dept diver - S.A.), Chris Johnson (Troubridge Island Boat Charters - S.A.)

A freelance camera person (Steve Leicester) and staff from Channel 10 dived the *Clan Ranald* and recorded the work in progress and a news item went to air in the 4 November.

Kangaroo Island Fieldwork: 5 Nov - 8 Nov 1996: Following the completion of the fieldwork on the Investigator Strait shipwreck sites, some members of the team travelled to Kangaroo Island to survey, film and monitor the

remains of two ships wrecked on the north-western side of the island. These were the steel steamer *Portland Maru* (1919-1935) and the wooden Finnish-built ship *Fides* (1857-1860). The team members were Bill Jeffery, Freya Bruce, Warren Delaney, John Riley, Terry Drew, Terry Arnott, and Jim Thistleton (Kangaroo Island Diving Safari).

Ship's Graveyard: As part of the maritime archaeology subject being taught at Flinders University, Branch staff assisted Lecturer Mark Staniforth and students to investigate and record some of the 14 hulks in the North Arm of the Port Adelaide River. In association with Bob Sexton accurate measurements were taken of the bow and stern of the iron barque *Santiago* (1856-1945), as well as determining the construction details of the vessel's keelson. The results of this and previous *Santiago* surveys are being drawn up by Bob Sexton.

Environmental Resources

Information Network (ERIN)

Information about the South Australian Shipwrecks Database is now published on the World Wide Web in the Blue Pages of the Marine and Coastal Data Directory, along with information about many databases from 20 other National agencies. Although concerned mainly with natural resources and natural phenomena, they are all coastal or marine related, and therefore could be of interest to managers of shipwreck sites. The address is <http://www.erin.gov.au:80/marine/mcdd/>.

New Member of the Team: David Steinberg, a maritime archaeology graduate from the course in W.A., has recently moved to South Australia to

assist with the registration of artefacts declared during the Commonwealth Amnesty, as well as fieldwork activities. We hope that David stays for sometime.

Pandora Exhibition: S.A. Maritime Museum: The exhibition was displayed at this venue between 7 August - 27 October 1996, during which time Bill Jeffery was kept busy providing slide presentations to many school groups attending the exhibition.

West Coast Survey: The results of the fieldwork investigations and archival research are presently being prepared and a draft report will be completed during December 1996.

Confiscated Relics returned to S.A: Liz Kilpatrick, Heritage Victoria archaeologist, returned on 30 August 1996 a number of relics removed by Victorian divers from South Australian shipwrecks.

Inspector Appointments and

Training: Compliance Officers from the Department of Primary Industries (Fisheries), Marine Safety Inspectors from the Department of Transport and Resource Protection Officers from our own Department have recently been appointed as inspectors under the *Historic Shipwrecks Act 1981* (State) and the *Historic Shipwrecks Act 1976* (Commonwealth). Bill Jeffrey and Terry Arnott have provided instruction at training seminars to the new inspectors on the operation of the Act and the powers of inspectors.

Sandbagging the *Water Witch*: On 22 August 1996 the remains of the wooden cutter *Water Witch* (1835-1842) were inspected. The *Water Witch* is located in the River Murray near Blanchetown. As some scouring of the

riverbed has occurred around the remains, about 40 filled sandbags were placed on and adjacent to exposed sections of the wreck to help protect it. A difficult task given there is no visibility in the River Murray.

SOS, Secrets of the Sea: The educational resource kit on maritime archaeology developed by Robyn Hartell, education officer at S.A. Maritime Museum, will be officially launched early in 1997.

Robyn has just recently lost her position as education officer at the S.A. Maritime Museum. State Heritage Branch staff would like to pay Robyn a special tribute as the educational resource kit on maritime archaeology developed by her is an excellent product and a innovative way of reaching school children. We hope that Robyn will attend the next AIMA Conference and present a paper on this project.

***Titanic* disaster** In response to an article in The Advertiser (South Australian daily newspaper) on the 31 August 1996 concerning the unsuccessful recovery of part of the *Titanic*, a letter to the Editor from the AIMA President was published. The Advertiser journalist stated that the present work on the *Titanic* "has everyone fascinated." I don't think everyone is fascinated. There are a lot of people that are appalled about what is happening to the *Titanic*.

Bill Jeffery 08 2049311,
jefferb@dep.sa.gov.au

Terry Arnott 08 204 9245
arnottt@dep.sa.gov.au

AIMA Secretariat

MINUTES OF 1996 AIMA Annual General MEETING 18 September 1996

Present:

S A - B Jeffery, T Arnott,
M Staniforth
W A - J Green, P Baker, M
McCarthy, D Garrett, T Vosmer,
Vivienne Moran, B Richards
N S W - D Nutley, T Smith,
A N M M - K Hosty
N T - C Coroneos, P Clark,
S Jung
Qld - P Gesner,
Vic - P Harvey, K Gurney, Mick
Jackiw

Guests

C Souter
PADI - Dean Cox

Apologies:

N T - T Smith
NSW - J Riley
Qld - J Campbell
- W Delaney
S A - P Bell
Tas - M Nash
Vic - M Venturoni
- R Anderson
W A - G Henderson
- M Stanbury
Dive Oz - J McDonald

Adoption of Previous Minutes:

Moved D Garrett, seconded M Staniforth, that the minutes of the 1995 AGM be accepted. Carried

Matters Arising from Previous Minutes:

In relation to Item 2.5 of the 1995 AGM Minutes, J Green advised that 5 copies each of the last two Bulletins and the Special Publications will be sent to each maritime heritage agencies

on a sale-or-return basis to be marketed at the agency's bookstore or other outlets. these will be sent out with approx. 500 AIMA brochures, as well as a current publication list.

REPORTS

President's Report 1995/96

A number of interesting issues/projects developed through out the year since the Hobart AGM. They included:

- * AIMA mini conference in Fremantle on 25 and 26 May 1996;
- * Development of the AIMA Newsletter;
- * Involvement in the Commonwealth and State Delegates meeting;
- * Involvement in a Working Party with the Commonwealth and State Practitioners;
- * Development of the National Shipwrecks Database;
- * Grant from the Department of Communications and the Arts;
- * Development of the Centre of Excellence at the WA Maritime Museum;
- * Formation of an AIMA sub-committee to look at diver training;
- * Joint AIMA/NSW stand at Scuba Expo 1996 in Sydney.

All of these projects have helped to keep AIMA's profile and therefore its objectives in the spot light and noticeable by many sections of the community and the State and Commonwealth government agencies.

This has meant that many AIMA members have been very active through out the year and I would like to thank them all. To ensure the continued development of AIMA's objectives through these and other projects, participation from AIMA members around Australia and in other Countries is vital.

I would like to briefly highlight a few of the above issues and the people concerned.

Firstly I would like to congratulate Kieran Hosty and Lindsey Shaw for putting the Newsletter together and for making it interesting and informative to read.

The combination of the AIMA mini conference with the Centre of Excellence Workshop and the Graduate Diploma in Maritime Archaeology Lecture Series was very well done and Karen Millar and Jeremy Green need to be acknowledged for their efforts in this matter.

The establishment of the Western Australian Maritime Museum as the National Centre of Excellence (CoE) in Maritime Archaeology in 1995/96 has created considerable interest. A Steering Committee (Council) has been established to assist in developing policy and approving major initiatives presented by the Chief Executive of the CoE. AS AIMA President I am a member of the Council which also includes a State Delegate, Academics, WA Maritime Museum Director, WA Museum Director and Representatives of the Department of Communications and the Arts.

The two meetings that I have attended have been used to clarify the role of the

CoE and to provide a basis for the formulation of a Corporate Plan. Essentially the CoE sees its role as furthering or advancing the field of maritime archaeology and to provide excellence at a National and International level. A number of objectives are being established and the strategies needed to achieve these objectives are being formulated with some projects already underway. One important point that came up at the last meeting was that the CoE didn't see itself as implementing or supporting projects that simply maintained the status quo, but that its work advances maritime archaeology.

Given AIMA has similar objectives in furthering maritime archaeology there could likely be some overlap in projects. Although AIMA could simply become a professional body that looks after the interests of its members, and pass on projects that further maritime archaeology in Australia to the CoE, I don't think this is how AIMA sees itself. A collaborative effort between the CoE and AIMA in furthering maritime archaeology in Australia is going to be much more effective as each organisation can draw on its strengths to assist the other. This is the current philosophy between AIMA and the CoE.

The formation of an AIMA group to look into the training of recreational divers into the basics of maritime archaeology is an exciting prospect. Mark Staniforth has taken on the task of chairing this group and is well versed with the Nautical Archaeological Society's (NAS) of Great Britain training package that AIMA is looking at purchasing.

I would also like to thank David Nutley, Tim Smith and our other NSW

colleagues who put together the AIMA part of the stand at the Sydney's Divers Expo. It is certainly a great opportunity to highlight AIMA's role in maritime archaeology in Australia.

Finally, I would like to thank the other members of the Executive and Council for their support during the year, particularly Terry Arnott (Secretary) and Pat Baker (Treasurer).

Cheers,

Bill Jeffery
AIMA President
C/- State Heritage Branch
Department of Environment and
Natural Resources GPO Box 1047
Adelaide
South Australia 5045
phone: 08 8204 9311
fax: 08 8204 9250

Secretary's Report:

Terry reported an improvement in communications, predominantly due to email, between committee members of AIMA and thence to the AIMA members generally. This has been particularly advantageous for reporting the financial statements, correspondence register, and other business to members through email, fax and via the newsletter. Committee members were reminded that the Secretary should be provided with a copy or advice of all incoming and outgoing AIMA correspondence, including email and word processing documents, immediately after it is dispatched or arrives. These can be sent to the Secretary via email, fax or surface mail. It was agreed that a register of incoming journals which arrive for the AIMA library housed at W.A. Maritime Museum will be

provided to the Secretary for inclusion into the correspondence register, and that copies of relevant articles will be provided to the Newsletter Editor for inclusion in the Newsletter.

Treasurer's Report: Pat Baker

The Auditor's Report was distributed to members prior to the meeting and tabled. Auditor's Reports for 1994/95 and 1995/96 will be published in the Newsletter. Accepted.

Bill Jeffery reported that the 1996 Conference cost AIMA \$4704.6 (National Centre of Excellence [CoE] \$3313.40) of which a significant amount was attributable to airfares for approved members to attend the conference, ie. those unable to receive funding from the State agency. The meeting was advised that prior to the 1997 Conference the Committee will determine and approve a budget allocation for the conference.

The accounts are presently being audited by the AIMA's Hon Auditor and will be presented to members as soon as practical.

Auditor's Report: From T.A.C. van Leeuwen CPA (Hon Auditor for AIMA) Balance Sheet as at 30/06/96

<u>Current Assets</u>	<u>1996</u>	<u>1995</u>
Cash at bank	16,139	13,707
Cash on deposits	12,932	11,958
<u>Non Current Assets</u>		
Computer equipment	22,838	19,568
Less depreciation	(16,120)	(13,941)
<u>Total Assets</u>	<u>35,789</u>	<u>31,292</u>
<u>Less Liabilities</u>	Nil	Nil
<u>Net Assets</u>	<u>35,789</u>	<u>31,292</u>

Represented by		
<u>Members Funds</u>		
General Reserve	35,789	31,292

Statement of income and expenditure for the year ending 30/06/96

<u>Income</u>	<u>1996</u>	<u>1995</u>
Member's sub's	5,500	4,877
Publication sales	992	2,087
Interest earned	1,314	1,004
Grants Rec	8,600	13,500
Research Funds Rec	0	4,350
Conference Rec	3,810	0
Sundry Income	0	855
<u>Total Income</u>	<u>20,216</u>	<u>26,673</u>

<u>Less Expenditure</u>		
Advertising	0	101
Bank fees	34	27
Conference Exp	10,599	5,000
Depreciation	2,179	2,412
Photocopying	25	0
Postage	424	1,189
Printing, stationary	118	166
Publications Comm	1,516	8,646
Research Exped	0	4,370
Software	824	316
<u>Total Expenses</u>	<u>15,719</u>	<u>22,227</u>

<u>Operating Surplus</u>	4,497	4,446
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<u>Transfer General Funds</u>	4,497	4,446
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Disclaimer: The balance sheet and accompanying Statement of Income and Expenditure have been prepared from records and information supplied to us. We have not audited the accounting records or the Accounts, and accordingly we express no opinion on them. We undertake no responsibility in any way whatsoever to any person in respect of these accounts,

including, any errors or omissions therein however caused/

Signed: T.A.C. van Leeuwen CPA
10 September 1996

National Centre of Excellence Report (CoE)

Bill Jeffery (AIMA President) is a member of the CoE Steering Committee which is looking into the role of the CoE. There have been two meetings of the Steering Committee-28 May 1996 & 27 August 1996 which were attended by Bill Jeffery.

A number of projects have been identified but at this stage the CoE is still in the stage of identifying what its role is. At the last meeting the Corporate Plan was discussed at length and it was generally agreed that the CoE should be looking at expanding maritime archaeology, and in aiming at achieving excellence in this field rather than just maintaining the current state of knowledge. Jeremy Green (CEO for the Centre of Excellence) reported that the Corporate Plan is finished and that it will be circulated to the Steering Committee members shortly. Jeremy will seek advice from the Steering Committee (particularly the Chairperson Geoffrey Bolton) about sending copies to practitioners.

Next meeting of the CoE Steering Committee is scheduled for the 29 November 1996.

SPAC:

Pandora: Peter reported that the Pandora Foundation funding campaign was recently launched by the Premier of Queensland. The Premier announced a \$17.5 million expansion to the Museum of Tropical North Queensland, a significant part of which will house and interpret the Pandora

Exhibition. Financial pledges of \$1.8 million have been received from the private sector, with a target of \$2 million. The Government has promised to contribute towards this on a 1 for 2 basis, making their likely contribution \$1 million.

The next expedition planned for January will now only have one vessel available as transport and a working platform, therefore the onsite team has been reduced to 18 people. On the question of retaining the SPAC Peter advised that the Committee should continue, and that it ought to now consider the Pandora Project with a view to recommending further research in a number of areas, including archaeology, remote sensing and interpretation, to ensure the research focus broadens.

Peter agreed to send a letter to the SPAC members outlining future project directions and research designs seeking comments from SPAC committee members.

Diving Regulations: Report to the AIMA Annual General Meeting: AS2299 & Australian Diver Accreditation Scheme

In February AIMA was informed by Tom Simpson, Executive Officer, Committee SF17, Standards Australia that a number of significant changes were going to occur to AS 2299 and the make up of the two advisory committees (SF17 & MS/53).

The main impact to AIMA was that AS2299 was going to be split into five parts titled *Occupational Diving Operations*.

AS2299.1 Standards Operational Practise

AS2299.2 Scientific Diving Standard
AS2299.3 Fisheries Diving
AS2299.4 Recreational Diving
AS2299.5 Film and Photographic Diving

and that each form of occupational diving would use AS2299.1 along with their own Code of Practise.

The advisory committees would be increased from two to five (the five areas of occupational diving in Australia). AIMA was to be represented on the Scientific Diving Sub Committee of SF17 but MS/53 was to be disbanded.

The make up of the Scientific Diving Committee (sub-committee SF17/1) would be

ACTU	1 rep
AMA or SPUMS	1 rep
AIMA	1 rep
AMSA	1 rep
CSIRO	1 rep
Aust High Ed Au	1 rep
OH&S Reg	1 rep
Mar Uni of Oz	1 rep

Recent discussions with Tom Simpson (18 Sept 1996) indicates that there has been a significant delay in getting out AS2299.1 *Standard Operational Practise* and this document will not be released until March 1997.

Only after that document has been released will the sub committees of SF17 commence work on their own industry Codes of Practise. According to Mr Simpson the first sub-committee to be formed will be the Scientific Diving Committee.

New South Wales

Relevant to New South Wales (and possible other states) is the recent changes to Occupational Diving Operations in New South Wales.

New South Wales adopted AS2299 in October 1985 to replace an existing NSW Code on Commercial Diving. ALL Employers who employed divers, OR were in control of a workplace OR allowed diving activities at their place of work were required under the Construction and Safety Act to use AS2299.

However Workcover NSW continued to allow operations under the New South Wales Diving Certificate of Competency.

The NSW Certificate of Competency allowed a diver to operate in New South Wales under a Learners Permit system. The diver after accumulating the required experience could then sit a theory exam and be issued with the appropriate Australian Diver Accreditation Scheme (AS2815) qualification.

However New South Wales will from January 1 next year no longer issue these types of Learners Permits and all divers in a workplace MUST have the appropriate qualifications under AS2815 and AS2299.

These will only be obtainable via an ERCA (Experienced Route Competency Assessment) or a course through an approved Commercial Dive Training Agency.

The combination of the two standards in New South Wales will mean SCUBA will only be allowed in

- a) Search and Rescue
- b) Single dive Inspection

All other work would require exemptions permits from the Chief Inspector of Diving.

Kieran Hosty
AIMA Rep *Standards Australia*

Research Committee Report

Jeremy Green advised that a number of projects have been finalised but to date have not submitted annual reports and audited statements, and therefore eligibility for tax incentives cannot be considered by the Committee. There are no current research project applications being assessed by the Committee.

Publications Committee Report

Jeremy Green reported that within 3 months time the Committee will have completed three Special Publications (Backstairs Passage S.A., Investigator Strait S.A., and the China report) and two Bulletins. The printing costs for the two S.A. reports will be funded by the S.A. State Heritage Branch, and the China report by the Centre of Excellence. The La Perouse report should be completed early 1997.

It was agreed that the Publications Committee membership should be increased to eight people to assist with editorial comment for publications; as well as to review and make recommendations on the types of publications being produced, procedures, printing and distribution. Recommendations to be provided by April 1997.

It was agreed that the committee once its makeup was known would put together the 'Terms of Reference' for investigation.

Newsletter Editor's Report

Kieran Hosty reported Issue No. 15.2 has now been distributed, and the next Newsletter is scheduled for end of September.

It was agreed that a web site be initiated for the Newsletter at the W.A. Maritime Museum or the Australian National Maritime Museum

Shipwrecks Register Committee

Report ANSDB: Jeremy Green reported that the Australian National Shipwrecks Database is now set up and operating. Successful trials have been held with editing the information on a mirror site. The State/Territory agencies are now required to upgrade and forward their individual database versions on Filemaker Pro, and provide their URL's to facilitate a hot link to their agency's web site and individual database, as well as to enable an email hot link for users to make direct contact with the agencies. A timeline for completion of the various stages was agreed to at the recently held meeting in Canberra with DCA.

Scuba Expo 1996 Report

David Nutley reported that the combined NSW/AIMA stand at Scuba Expo 1996 held in Sydney was very successful, with attendance by thousands of divers and other members of the public. A great deal of interest was expressed in the activities of AIMA and shipwreck protection generally. Notification of twelve previously unreported shipwrecks were made by visitors during the course of the Expo. AIMA provided \$1000 to the development of the stand and displays, and various agencies provided photographs and interpretation.

ICOMOS:

No report due to Graeme Henderson's absence overseas.

Election of Office Bearers 1996-97

Executive Council Members

President Bill JEFFERY
State Heritage Branch, Dept of
Environment & Natural Resources,
GPO Box 1047, ADELAIDE SA
5001 Ph: 08 8204 9311

Fax: 08 8204 9250 Email:
jefferb@dep.sa.gov.au

Senior Vice Pres David NUTLEY

Heritage Office,
Governor Macquarie Tower,
1 Farrer Place,
SYDNEY NSW 2000
Ph: 02 9391 2034

Fax: 02 9391 2336 Email:
nutleyd@www.nsw.gov.au

Second Vice Pres Myra STANBURY
WA Maritime Museum, Cliff Street,
FREMANTLE WA 6160

Ph: 09 431 8437 Fax: 09 430 5120

Email: MyraS@mm.wa.gov.au

Third Vice Pres Mark STANIFORTH

Archaeology, Flinders University,
GPO Box 2100,
ADELAIDE SA 5001

Ph: 08 8201 5195 Fax: 08 8201 3845

Email:

Mark.Staniforth@FLINDERS.EDU.A
U

Secretary & Public Officer

Terry ARNOTT

State Heritage Branch, Dept of
Environment & Natural Resources,
GPO Box 1047, ADELAIDE SA
5001 Ph: 08 8204 9245

Fax: 08 8204 9250

Email: arnottt@dep.sa.gov.au

Treasurer Patrick BAKER WA

Maritime Museum, Cliff Street,
FREMANTLE WA 6160

Ph: 09 431 8443 Fax: 09 430 5120

Email: PatB@mm.wa.gov.au

State Council Members (16)

Qld Peter GESNER

Queensland Museum, GPO Box 3300,
STH BRISBANE QLD 4101

Ph: 07 3840 7673 Fax: 07 3846 1918

Email: P.Gesner@mailbox.uq.edu.au

Warren DELANEY Queensland

Museum, GPO Box 3300, STH

BRISBANE QLD 4101

Ph: 07 3840 7600 Fax: 07 3846 1918

NSW Tim SMITH

Heritage Office, Governor Macquarie
Tower, 1 Farrer Place,
SYDNEY NSW 2000

Ph: 02 9391 2037 Fax: 02 9391 2336

Cos CORONEOS 46 Gale Road,
MAROUBRA NSW 2035 Ph/Fax:
02 9344 3120

Email: cosmosc@ozemail.com.au

John RILEY GPO Box 52, BONDI
NSW 2026 Ph: 02 9389 5341

Vic Peter HARVEY

Heritage Victoria, GPO Box 2240T,
MELBOURNE VIC 3001

Ph: 03 9628 5025 Fax: 03 9628 5650

Email: peter.harvey@dpd.vic.gov.au

Ross ANDERSON

Heritage Victoria, GPO Box 2240T,
MELBOURNE VIC 3001

Ph: 03 9628 5025 Fax: 03 9628 5650

Email:ross.anderson@dpd.vic.gov.au

Malcolm VENTURONI (MAAV),
20 Sixth Avenue, CHELSEA
HEIGHTS VIC 3196
Ph: 03 9772 4727 Mobile: 015 814535
Email C/- Peter Harvey

Tas Mike NASH
Parks, Wildlife & Heritage, GPO Box
44A, HOBART TAS 7001
Ph: 002 332 387 Fax: 002 240 884
Email: mike.nash@delm.tas.gov.au

Keith MOON 152 Mt. Rumney Road,
MT. RUMNEY TAS 7170
Ph: 03 6261 0469
BH Ph: 03 6248 5123 BH/AH
Email: kemoon@ozemail.com.au

SA Peter BELL 17 Sherwood Terrace,
BEAUMONT SA 5066
Ph: 08 8379 6498 Fax: 08 8338 2460
Email: pbell@adelaide.on.net

WA Dena GARRATT WA Maritime
Museum, Cliff Street, FREMANTLE
WA 6160
Ph: 09 431 8435 Fax: 09 430 5120
Email: DenaG@mm.wa.gov.au

Brian RICHARDS Lot 36 Loris Way,
KARDINYA WA 6163
Ph: 09 360 2351
Fax: 09 310 8480 Email:
brianr@cleo.murdoch.edu.au

NT Paul CLARK
Museum & Art Gallery of the NT,
GPO Box 4646, DARWIN NT 0801
Ph: 08 8999 8283 Fax: 08 8999 8289
Email: paul.clark@nt.gov.au

Tim SMITH
School of Fine Arts, Northern Territory
University,
DARWIN NT 0909 Ph: 08 8946 6324
Fax: 08 8927 0612 Email:
tim.smith@ntu.edu.au

C'wealth Kieran HOSTY

Aust. Nat. Maritime Museum, GPO
Box 5131, SYDNEY NSW 2001
Ph: 02 9552 7710 Fax: 02 9552 2318
Email: khosty@anmm.gov.au

NZ David CHURCHILL MAANZ,
22 Nassau Ave., Grenada North,
WELLINGTON,
NEW ZEALAND Ph: 04 232 8006
Mobile: 025 531003

Subcommittees & Members

Research Committee and Chair (5 approved by CSIRO)

Jeremy GREEN (Chair) WA Maritime
Museum, WA

Professor Frank BROEZE Dept of
History, University of Western
Australia, WA

Professor John PENROSE Centre for
Marine Science, Curtin University of
Technology, WA

Mike MCINTYRE Heritage Victoria,
Dept of Planning & Development, VIC

Jon WOMERSLEY Director, National
Parks & Wildlife Service, QLD

Publications Committee and Chair (7)

Jeremy GREEN (Chair) Myra
STANBURY Bill JEFFERY Kieran
HOSTY Mark STANIFORTH Cos
CORONEOS Malcolm VENTURONI

Shipwrecks Register Committee (7)

Jeremy GREEN (Chair) David
NUTLEY Bill JEFFERY Mike NASH
Peter GESNER Paul CLARK

Tom VOSMER WA Maritime
Museum, Cliff St.,
FREMANTLE WA 6160
Ph: 09 431 8439 Fax: 09 430 5120
Email: TomV@mm.wa.gov.au

**Special Projects Advisory
Committee (SPAC) (8)**

Peter GESNER (Chair) David
NUTLEY Kieran HOSTY Mike
NASH Bill JEFFERY Paul CLARK
Peter HARVEY Jeremy GREEN

Diving Regulations Committee (8)

Kieran HOSTY (Chair) Jeremy
GREEN Bill JEFFERY David
NUTLEY Mike NASH Peter
GESNER Paul CLARK Peter
HARVEY John CAMPBELL

Training Programs 5)

Mark STANIFORTH (Chair) Bill
JEFFERY Peter GESNER Malcolm
VENTURONI Cos CORONEOS

Judith MCDONALD Dive Australia,
P.O. Box 1967, PARRAMATTA
NSW 2124
Ph: 02 9689 1389 Fax: 02 9891 2256
Email: 100405.3322@compuserve.com

Corioli SOUTER 16/135 Carr Street,
WEST PERTH WA 6005
Ph: 09 227 0159 Email:
CorioliS@mm.wa.gov.au

**Diver Education (NASDS/PADI/Dive
Aust) (see Minute Item 1996 AGM)**

Cos CORONEOS David NUTLEY
Judith MCDONALD Corioli SOUTER

Dean COX PADI, GPO Box 713,
WILLOUGHBY NSW 2068
Ph: 02 9417 2800 Fax: 02 9417 1434

Newsletter Editors (2)

Kieran HOSTY &

Lindsey Shaw
Aust National Maritime Museum,
GPO Box 5131, SYDNEY NSW
2001
Ph: 02 9552 7710 Fax: 02 9552 2318
Email: lindsey@anmm.gov.au

Auditor

Tom VAN LEEUWEN (CPA) 7
Delamere Avenue, SOUTH PERTH
WA 6151

GENERAL BUSINESS:

Membership Fees It was agreed that
membership fees not be increased.

Research Grants It had previously
been decided at the 1995 AGM that
AIMA give consideration to
establishing research grants (\$1000 -
\$2000) for students on topics relating
to maritime heritage, possibly for
conservation and management projects.

It was agreed that AIMA write to the
Centre of Excellence with a view to
that organisation undertaking this
initiative.

Executive Council Relocation It was
agreed that the majority of the
Executive Council positions be held
in NSW following the 1997 AGM.

Scuba Expo, Sydney 1997

Moved Mike Nash, seconded Mark
Staniforth, that AIMA provide \$1000
to David Nutley for the AIMA/NSW
stand at Scuba Expo 1997 to be held in

Sydney.

**Diver Education
(NASDS/PADI/Dive Aust)**

Dean Cox (PADI - Manager of Training & Education) advised that PADI are willing to work with AIMA to facilitate diver education and training in maritime heritage and archaeology. This could be provided at open water level, specialty wreck courses, instructor level, and course director level, as well as through PADI's 'Project Aware' which relates to utilising wrecks/hulks as artificial reefs.

Information could also be provided in PADI's quarterly publication *Undersea Journal* which is distributed in Australia, Solomon's, Vanuatu and New Guinea. PADI presently certify about 70 000 new divers annually and have 4 500 members Australia wide.

It was agreed that AIMA form a subcommittee to work on the development and introduction of diver training and education programs in association with PADI and other diver training organisations. The subcommittee members to be: Dean Cox, David Nutley, Corioli Souter, Judith McDonald, Cos Coroneos.

**Assessment of Training Programs
(NAS/QLD/other)**

It was agreed that the subcommittee should provide comparative information including costings on purchasing the NAS scheme or developing an Australian scheme.

AIMA Conference 1997

It was reported that Jeremy Green and Karen Millar will be the co-ordinators for the 1997 AIMA Conference.

Review of AIMA Constitution

It was agreed that Terry Arnott and Pat Baker will review the AIMA constitution and provide recommendations prior to April 1997.

Next Annual General Meeting: During 1997 AIMA Conference to be held in Fremantle 30/6/97 - 6/7/97.

Meeting closed: 12.40pm (EST)

Next Meeting: Tele-conference, date to be advised.

**AIMA Correspondence List 1996
(cont from 15.2)**

- 057/96 Complimentary copy of 'East Coast Shipwrecks' from Heritage Victoria.
- 058/96 Letter to Dept of Foreign Affairs advising of AIMA's interest in AEII Submarine lost off Turkey in 1915.
- 059/96 Draft of AIMA brochure for comment from Jeremy.
- 060/96 Apology to Elaine Marland (NZ Historic Places Trust) re overdue AIMA Bulletins.
- 061/96 MAAV Newsletter, No.167, July 1996.
- 062/96 Brian Morrison - membership application and subscription.
- 063/96 Payment from James Bennett P/L re HMS Sirius artefact catalogue.
- 064/96 Letter from Bill to Editor of S.A. Advertiser re *Titanic*.
- 065/96 Response from PADI Aust P/L to Bill re shipwreck info into entry level diver training.
- 066/96 MAAV Newsletter, No.168, August 1996.
- 067/96 MAAV Newsletter, No.169, September 1996.

- 068/96 Article from The West Australian 24/8/96 re HMAS Sydney.
- 069/96 Auditor's Report from Tom van Leeuwen and Pat Baker.
- 070/96 MAANZ per David Churchill re Auckland Islands research.
- 071/96 Response to Mark Spencer re AEII submarine (see 042/96).
- 072/96 Kieran Hosty re change of address for Coleman Doyle (JCU).
- 073/96 Jeremy Green re interim report on Aust Shipwreck Database.
- 074/96 Jeremy Green re searching Aust Shipwreck Database.
- 075/96 Dean Cox re provision of shipwreck information to PADI members.
- 076/96 Notification to Judith McDonald re 1996 AIMA AGM.
- 077/96 1996 AIMA AGM notice in Australian newspaper.
- 078/96 Acquittal Forms and Project Reports to DCA re 1995-96 Historic Shipwrecks Program.
- 079/96 Kieran Hosty re postage costs for AIMA newsletter.
- 080/96 Kieran Hosty re article in Aust Financial Review on *Pilar* project.
- 081/96 MAAV Newsletter, No.169, September 1996.
- 082/96 MAAV Newsletter, No.170, October 1996.
- 083/96 MAHRI Newsletter, Vol.9 No.1, Spring 1996.
- 084/96 Heritage Victoria requesting placement of advert in AIMA Newsletter re Directory of Heritage Consultants.
- 085/96 East Carolina University re 29th Annual Society for Historical Archaeology Conference on Historical and Underwater Archaeology, Marriott Bayfront, Corpus Christi, 7-12 Jan 1997.
- 086/96 Garriock Duncan re submission of article for AIMA Bulletin on maritime archaeology program at Engadine High School, NSW.
- 087/96 *Australian Sea Heritage Magazine*, No.47, Winter 1996, Sydney Maritime Museum, and request for articles.
- 088/96 Sydney Mariner Newsletter, No.19, July 1996, Sydney Maritime Museum.
- 089/96 Archaeological Institute of America re AIMA listing in 1997 Archaeological Fieldwork Opportunities Bulletin.
- 090/96 Hordern House publishers advertising release of 'An Account of the Discoveries made in the South Pacifick Ocean previous to 1764' by Alexander Dalrymple (1767).
- 091/96 *Australian Sea Heritage Magazine*, No.48, Spring 1996.
- 092/96 Sydney Mariner Newsletter, No.20, September 1996.
- 093/96 British Library re missing claim form for Bulletin Issues Vol.19 No.2 and Vol.20 No.1.
- 094/96 *Model Waves* newsletter, No.14, July 1996.
- 095/96 *Berkeley Archaeology*, Vol.3 No.2, Spring 1996, University of Berkeley.
- 096/96 Three archaeology publications from University Mikolaja Kopernika, Poland.
- 097/96 *MAHS News*, Vol.7 No.6, Nov-Dec 1995.
- 098/96 *Heritage NSW newsletter*, Vol.3 No.1, March 1996.
- 099/96 *SIGNALS* magazine, No.35, June-Aug 1996, ANMM.
- 100/96 Kristin Williams - membership application and subscription.

- 101/96 Northern Territory University re orders for 4 AIMA Special Publications.
102/96 *Pandora's Post Box newsletter*, No.2 Nov 1996, Queensland Museum.
103/96 Ian Oxley re NAS Training Package.
104/96 Edward Drew re ASDA scientific diving survey forms.

Terry Arnott
State Heritage Branch
Dept of Environment & Natural Resources
GPO Box 1047, Adelaide
South Australia 5001

phone: 08 8204 9245
fax: 08 8204 9250
email: arnottt@dep.sa.gov.au

Flinders University.

Kangaroo Island field trip: In September 20 members of the Flinders University Archaeology Society headed off to Kangaroo Island to undertake some field recording on historical and maritime archaeological sites under the watchful eye of Mark Staniforth. Among the land sites visited and recorded were Frenchman's Rock at Penneshaw where one of Nicholas Baudin's sailors carved an inscription in 1803, the whaling station site at Vivonne Bay and the Cape Borda Lighthouse and cemetery. On the one good weather day a group of seven went out with local dive operator John Lavers to do some recording on the wrecksite of the Robert Burns (1908) - unfortunately two weeks of bad weather had left the site covered with nearly a metre of dead sea grass and so plans for a photomosaic had to be shelved.

North Arm graveyard: In October 24 students enrolled in Maritime Archaeology (ARCH 3005) spent a weekend recording some of the 'High and (almost) dry' hulks in ship's graveyard in the North Arm of the Port Adelaide River. The students discovered the joys of photographing and measuring rusty bits of metal in a mangrove swamp. Thanks go to Bill Jeffery and Terry Arnott of the State Heritage Branch who brought the Gem along on the Sunday which enabled some of the students to visit the Santiago and one even got to dive on the wreck. The North Arm graveyard will be the thesis topic of one of the 1997 Honours students - Nathan Richards.

Maritime Archaeology (ARCH 3005): The first undergraduate topic in maritime archaeology at Flinders University has been completed - thanks in no small part to the guest lectures given by David Nutley, Tim Smith, Bill Jeffery, Kieran Hosty and Paul Hundley. The topic is scheduled to be run again in 1st semester 1997 and anyone interested in giving a guest lecture is asked to contact Mark Staniforth asap.

New courses: Flinders University has approved two new named degrees which will commence in 1997 - a Bachelor of Archaeology and a Bachelor of Cultural Tourism. Both are expected to have an initial intake of about 30 students.

The Bachelor of Archaeology is designed to give students a substantial grounding in all aspects of archaeology as a preparation from a professional career in the area. In particular, the course is centred on the archaeology of Australia and how the study of archaeology inter-relates with

Australian society past and present. It will also look at general and specific issues of cultural heritage management and the law. The degree is an initiative drawing upon the expertise of all South Australian Universities. There is a particular emphasis on practical and methodological aspects of archaeology.

The Bachelor of Archaeology degree requires three years full-time or four years for the Honours degree. Building on a common core, there are several specialist streams within the degree including Australian Aboriginal Archaeology, Historical Archaeology and maritime Archaeology.

For further information please contact, The Secretary, Archaeology, School of Cultural Science, Flinders University of South Australia, Ph (08) 201 2385

Mark Staniforth: has been appointed to a tenurable lectureship in Archaeology at Flinders University to commence on 1 Jan 1997. He will be teaching in areas of maritime archaeology, historical archaeology and museum studies including contributing lectures in Introduction to Archaeology (ARCH 1001), Cultural Heritage and the Law (LEGL 2013) and Cultural Theory (CULT 7001) as well as running the topics Maritime Archaeology (ARCH 3005), The Museum (ARCH 2301) and Australian Archaeology B (ARCH 2002).

Mark Staniforth
mark.staniforth@flinders.edu.au
Archaeology
Flinders University
Mark Staniforth
Archaeology
University of Flinders

Tasmania

Sydney Cove: The opening of the exhibition at the Queen Victoria Museum, Launceston, has been confirmed for 12 December. Work is currently on schedule to complete the exhibit on time. Application to Visions Australia for money to travel the exhibition has been confirmed and the first interstate venue will be the National Maritime Museum in July of next year. The publication to accompany the exhibition has gone to the printers and should be available by the time this newsletter comes out. There will even be a special edition beer and wine by local producers being put out in conjunction with the exhibition (hope it doesn't taste like the original)!

Furneaux Shipwrecks: A publication on Shipwrecks in the Furneaux Group is awaiting final maps and photo permissions before being sent to the government printers. Copies should be available in December (probably \$15)

Sealing Survey: The NEGP funded study of sites associated with the State's sealing industry has recently been completed by project officer Parry Kostoglou. This firststage of the survey was concerned with gathering historical information regarding the industry and in particular, site locations. Unfortunately the Federal government has now scrapped most of the NEGP scheme and funding for the site survey stage is currently unavailable. (copies of the historical report are available for \$15)

State Funding: After many years the State government is finally providing partial funding of the State Maritime Archaeologist position and has

indicated that it will continue. No huge sums but it's a start.

Mike Nash
Tasmanian Parks and Wildlife Service

Victoria

Maritime Heritage Unit

Maritime Archaeology Association of Victoria.

Presidents Report: The past year has been one of great success for the MAAV, we have been able to get ourselves back on track, and through the commitment of our members, we remain the strongest and the most active amateur association involved in maritime archaeology in Australia. Our membership has grown over the last twelve months and we welcome these new members to the MAAV. the stronger the membership becomes, the more the MAAV can achieve.

Members have contributed greatly and worked hard on the production of the *Project Reports 1996*, this is a great milestone for the MAAV. the report shows that members have been extremely active, and we all know how much work is involved in producing publications of such quality. This report is to be released within the next month and I look forward to the positive feedback we will receive, I know this will prompt members to work even harder in completing other projects so a third report can be done.

For me the most pleasing aspect of the last year has been the strong relationship that has re-formed between the MAAV and the Maritime Heritage Unit. The MAAV have been involved in nearly every field based program run by the MHU in the last

twelve months. These include the field work conducted on the *Clonmel* in Port Albert, earlier this year. The inspections and recovery of artefacts from the *City of Launceston*, in December and again in May (1996), not excluding a joint exercise conducted on the Customs boat *Delphinus*, in which we didn't dive the site, not due to the lack of enthusiasm but three metre waves. the MAAV have continued to assist the MHU in cleaning the Historic Shipwreck Trail marker plinths and will continue to do so. We have also assisted in conducting inspections on several sites around the Bay. members assisted in the recovery of a scallop dredge from the *Hurricane* late last year which was a long and hard days work. We have also been involved in a joint program sending much time looking for the wreck of the *Henrietta* off Point Cook, we have so far been unsuccessful in our attempts but the wreck can't be too far off. I look forward to this relationship between the two groups growing stronger and stronger.

Members have continued with their own projects, and the coming year will see some of these completed and new projects completed and new projects begun. Lyall Mills is keen to get the project on the *Lightning* underway and I hope all members pitch in and give him a hand, I feel this would be a rewarding task to be undertaken by the MAAV.

I would like to thank Don Abell for continuing his involvement as honorary auditor, Kate for continually producing the quality newsletter, Scott Allen for bringing along the tea and biscuits at each meeting. And I would like to thank all the members, because it is through dedication that the MAAV will continue to strive ahead.

I have been pleased to have held office over the last year, but will not be standing for President for this coming year. I will continue on the HSAC as well as state councillor for AIMA but as you are aware Cate and I will shortly be increasing the membership by one and this will no doubt take some of our time over the coming term. I can happily say that I have received nothing but fulfilment and satisfaction as president and know that the incoming committee will have the same success.

Malcolm Venturoni as reported in *Wreckings* (August, 1996)

New Committee of MAAV:

President: Peter Taylor; Vice Pres: Malcolm Venturoni; Secretary: Cate Venturoni; Treasurer; John Mills: Diving Officer; Lyall Mills: Training Officer; Mick Jackiw: Committee; Scott Allen, Wayne Caldow, Andrew Foote

Project Reports: The MAAV have completed their 1995/96 Project Report. The document has come back from the printers and is now being circulated.

Lightning: Lyall Mill and Tim Anderson have continued to work on the site of the *Lightning* at Geelong. The site is approximately 30 metres long and 13 metres wide and buried under mud. The October issue of the MAAV newsletter *Wreckings* reports that work on the site has stopped.

Western Australia

WA Maritime Museum

Wreck Access and Interpretation Program: The WA Maritime Museum and the City of Wanneroo will

officially launch the Wreck Access Program for the Wanneroo region with the unveiling of a plaque on Sunday 10 November. The ceremony will be conducted in conjunction with the annual "Blessing of the Fleet" at Two Rocks Marina.

An interpretive brochure and accompanying shipwreck poster will also be launched at this event.

Interpretive plaques depicting both historic shipwrecks and modern wrecks have been placed at three strategic locations along the coast at Hillarys Boat Harbour, Mindarie Keys Marina and Two Rocks Marina.

Underwater plaques will mark three historic shipwrecks, *Centaur* (1874), *Conference* (1904) and *Eglinton* (1852) and the steel barge *WH Gemini* (1993), recently scuttled to create a recreational dive site.

Elizabeth (1839)

Town of Cottesloe is participating in a joint venture with the WA Maritime Museum to erect an interpretive plaque, overlooking the wreck site of the

Elizabeth. The wreck lies close to shore and material is often uncovered during winter storms, providing the public with easy access to a shipwreck of great community significance. The plaque will mark one of the points of historical interest along the metropolitan coastal footpath/cycleway.

Dena Garratt
Department of Maritime Archaeology
Western Australian Maritime Museum
Cliff Street
FREMANTLE W.A. 6160
E mail: DenaG@mm.wa.gov.au

Phone: (61-8) 94318435 or 94318488
FAX: (61-8) 93357224 or 93355351
See us on the WWW at
<http://www.mm.wa.gov.au>

Albany News

In the first half of the year the Albany Port Authority conducted a Consultative Environmental Review (CER) to look at the feasibility of improving the port's facilities. The Authority proposes to reclaim part of the Princess Royal Harbour to create additional wharves and carry out dredging work to enlarge the shipping channels.

The proposed dredging program will result in the removal of over two metres of sediment from the site of the now demolished Albany Deepwater Jetty (1888-1993). Any surviving artefact deposits, which predate 1900 and which are under, or adjacent to the jetty site are likely to be dispersed and destroyed by the dredging work. These artefact deposits are protected under the *Western Australian Maritime Archaeology Act (1973)*. Unfortunately the CER failed to identify and address this issue.

Following the release of the CER document by the Western Australian Environmental Protection Authority (EPA) for public comment, a submission was made by the author highlighting the legal issues and the proponents obligations arising under the provisions of the Act.

A subsequent report by the EA on the proposed development has confirmed the content of the submission and noted that the issues arising from the possible disturbance of protected artefacts deposits will be addressed by

the proponent in collaboration with the Western Australian maritime museum. In August, while the CER was being reviewed, the Albany Port Authority began construction of a small boat harbour and service facility wets of the existing wharves. the work, which was separate from that proposed in the CER, has involved considerable dredging and land reclamation. Once again no formal recognition was given to the provisions of the Act and the possibility of uncovering and disturbing artefact deposits and/or ship wrecks lying in the development area. This happened despite historical evidence indicating that there was a possibility of the existence of such sites.

Despite this, informal negotiations between the author and the construction consultants Halpern, Glick Maunsell and John Holland Pty Ltd, resulted in notification process being established in case artefacts, or, wrecks were uncovered.

In the month leading up to this work a fishing boat harbour was also constructed by John Holland Pty Ltd at Bremer Bay, east of Albany. the work involved land reclamation and dredging. No provisions were made for any contingencies arising under the Act even though declared maritime archaeological sites are known to exist along this part of the Western Australian coast. this lack of concern can be compared with the stringent management requirements which were enforced to protect Aboriginal cultural heritage sites known, or suspected to exist in the development area.

Although these projects have, or, had the potential to effect maritime archaeology sites the Western Australia Maritime Museum, as the

delegated authority under the Act. appears to have been ignorant of them until informed by the author (Pers comms Mike McCarthy, WAMM)

This lack of awareness suggests that there is a possible weakness in the area of environmental and cultural heritage planning in Western Australia as it relates to maritime archaeological sites. The evidence suggests that reliance on the provisions of the *Western Australian Maritime Archaeology Act* may not be enough to encourage planners and developers to consult with the Western Australian Maritime Museum. There appears to be no formal consultative process to keep the Museum adequately informed of development and planning proposals effecting the Western Australian marine environment. At present developers and planners need only make formal reference to the Museum and the Act, if there is an issue directly effecting a declared site, whether that be a shipwreck, and/or, artefact deposits associated with a shipwreck, or , jetty site.

Without recourse to broader development and planning information the ability of the Museum to develop the implement effective cultural maritime heritage management processes may be impaired.

On a lighter and more positive note; the author has been selected to crew on the *Endeavour* sailing from Cape Town to the Pool of London. the ships will cal at St Helena, Ascension Island, Teneriffe and Madeira. If anybody wishes to have any maritime history and/ or maritime archaeological research carried out along the way, or in Britain, please phone (098) 422 137 or write to 26 Grey Street East, Albany, 6330, Western Australia.

Adam Wolfe
Marine Archaeologist and Maritime
Heritage Consultant

Diving News

Response to the Web forms (From Ed Drew, Australian Scientific Diving Association [ASDA])

The ASDA forms for 1996 Registration and the 1995 Scientific Diving Survey have now been on the Web for about 3 weeks. The problems a few people have experienced with getting their browsers to submit the forms electronically seem to have been very localised and at least some have come back electronically from most organisations who have tried.

We know from the preliminary Diving Officers survey earlier this year that there are in excess of 70 scientific diving organisations and 600 scientific divers out there connected to the Internet. Therefore, I expected anything up to 100 forms a day might come in at the peak response time, and my system could cope with that.

The peak clearly occurred within the first week, as I had anticipated, but it never exceeded half a dozen forms a day, and I have received a total of only 24 registrations and 12 sets of diving data. There have been no new forms for several days.

This means that only a handful of diving officers, let alone the divers they are responsible for, have bothered to respond.

As I have stressed before, accurate information on the number of scientific divers there are and how much diving they do is crucial to

maintaining our negotiating position on scientific diving regulations in Australia.

It is not difficult to fill out those Web forms - probably quite interesting if you haven't come across them before - so lets get them rolling in again.

And remember, there is feed-back - a summary of the data on the Scientific Diving News section of the ASDA Web site.

The Scientific Diving News page has recently been noticed internationally and registered on at least two databases of electronic publications. So how about some more forms to improve the statistical significance of that data AND some articles from you to improve the content.....

Dr Edward A Drew
[PO Box 361, Castletown, Hyde Park,
Townsville, Q 4812, Australia
TEL +61-077-724452
FAX +61-077-213538
EMAIL edrew@ultra.net.au WWWeb
<http://www.ozemail.com.au/~edrew>

From the papers, journals and newsletters

Landlubber Cromwell knew value of loyal navy: From *The Times* August 22, 1996: Artefacts from the Cromwellian ship *Swan*, sunk off the Isle of Mull, highlight the important role played by the Navy in the (English) Civil War, albeit a largely non-combatant one. Traditionalists would nominate the founder of the Royal Navy as Alfred the Great, but there are those who would stake a claim for the unlikely of 'sailors', Oliver Cromwell. Naval engagements played no significant part in the

English Civil War, and the wreck of the *Swan* off the Isle of Mull appears to be the remains of what was no more than a mopping-up operation against recalcitrant Highland Chiefs after the Lord Protector of England had defeated the Scottish end of the Royalist cause at the Battle of Dunbar in 1650. Yet the state of the navy was one of the root causes of the Civil War in the first place. Coastal towns had never greatly objected to paying 'ship money' - a tax to build ships to ward off pirates and other invaders - but when Charles I levied the tax on inland counties, the rumblings began. When Charles then applied the ship money to waging a war against Scotland, he had what was in effect an early poll tax revolt on his hands. ...Although the Navy was scarcely involved in either the first or second Civil War, it effectively ensured that events went the way of Cromwell's parliamentarians. By refusing to declare for the King in the early war years, the Navy ensured that he could not summon military help by sea from continental allies...Marine archaeologists who have discovered the wreck of one of Cromwell's warships off the Isle of Mull believe it could prove as significant as the *Mary Rose*. Their most important discovery is the ship's "nerve centre" - the binnacle with its six inch compass still intact. It will be taken to a laboratory at the National Museum of Scotland for conservation work. The ship first identified four years ago when movement in seabed silt exposed part of its stern, is thought to be the 200 ton warship *Swan* which sank in 1653 during an expedition to attack Duart Castle on Mull, where the Clan Maclean, sympathetic to the Royalist cause, was holding out against the Parliamentarian's advance. The vessel, one of six, is thought to have foundered in a storm. Dr Colin Martin

of St Andrews University archaeological diving unit, leader of the project to study the wreck said yesterday that recovery of the binnacle in an excellent state of preservation was the most exciting underwater discovery in Britain since Henry VIII's warship *Mary Rose* was found off Portsmouth.///Dr Martin and his team of divers from St Andrews have already recovered a number of other artefacts from the wreck, which lies in 42ft of water just off one of the largest islands of the Inner Hebrides. Naval engagements were not a significant part of the Civil War in either England or Scotland, and shipwrecks from that period are rare. But Cromwell, having seized the Navy from King Charles I turned it into a successful fighting force which engaged in a prolonged series of battles with the Dutch.

The SS *Myola*: From *Sportsdiving* Oct/Nov 1996: A report on the survey of the SS *Myola* carried out by John Riley and Peter Fields as part of the New South Wales Wreck Survey Project (co-ordinated by the Maritime Archaeology Program of the New South Wales Heritage Office) is included in the latest issue of this magazine.

CIG Extends Cylinder Trade - In Offer: From *Sportsdiving* Oct/Nov 1996: In response to market demand, CIG Gas Cylinders (BOC) has extended their aluminium scuba cylinder trade - in offer to 31 December 1996. Recreational and commercial divers can trade in any aluminium cylinder, in any condition before the end of the year and receive a \$50 rebate when they purchase a new CIG aluminium cylinder. For further information, contact Joanne Smith, marketing at CIG (BOC) Gas Cylinders of (02) 9830 0927

Archaeologists lift cloak on Raleigh's Jetty: From *The Guardian*: British archaeologists surveying the foreshore of the Thames have discovered the remains of a Tudor jetty used by Henry VIII, Elizabeth I and the diarist Samuel Peys. They found it at low water exposed after mud had been scoured away by the tide; a set of wooden piles which would have supported a landing stage for the Tudor palace levelled at the end of the 17th century to make way for the Greenwich Naval College. It is on that very muddy jetty that the young Sir Walter Raleigh would have laid down his cloak for the Faerie Queen to step on - had the story been true - and from that jetty that all the river taxis heading for Greenwich would have decked. The original brick palace had been built by the Duke of Gloucester, brother of Henry V. Henry VIII, Elizabeth I and Mary Tudor, were born there. Later, the Tudors moved to the grander Hampton Court upriver.

Marine Salvage Operation: Both the Hobart *Mercury* and the Adelaide *Advertiser* in August 1996 carried advertisements for a marine salvage operation being led by Michael Hatcher who was reported as finding two 'new' shipwrecks somewhere in Asia and was now looking for investors to assist in this operation.

Protecting Australia's earliest located steamship wreck: From *Inherit* (No 1, Spring, 1996) the newsletter of Heritage Victoria. The earliest located steamship wreck in Australia is that of the paddle steamer *Clonmel*, wrecked on an uncharted sandbar (later named Port Albert Bar) east of Wilsons Promontory on 3 January 1841. The historic shipwreck *Clonmel* played a major role in the

discovery of the area and the settlement of Gippsland.

Although the tip of the boiler and funnel of the wreck of the *Clonmel* have been visible at low water since settlement, in March this year more than six metres of sand moved, exposing the lower parts of the wreck and a number of important artefacts.

Members of Heritage Victoria's Maritime Heritage Unit, together with a number of volunteers, maximised this unique opportunity by producing a detailed site plan to help understand the significance of the vessel, and by conducting rescue archaeology to remove the artefacts already at risk from looters.

Artefacts recovered for conservation study and future display included portholes, decklights, crystal and chandeliers. many other items were recorded and left on the site, including several brass chair backs, a sandstone grinding wheel and many ship's fittings.

Due to interference to the *Clonmel*, a 50 metre protected zone has been placed around the site to control access and to preserve the remains for generations to come. The protected Zone restricts any diving or boating activities and access is only granted by permit from Heritage Victoria. A mini shipwreck showcase about the wreck of the *Clonmel* is currently under preparations, featuring artefacts recovered earlier this year. the venue and dates, scheduled for January 1997, will be announced later.

also from *Inherit*

Toilet Rescue: Rescuing 19 century toilets from a 131 year-old-shipwreck

would have to be one of Heritage Victoria's more unusual tasks, but then, These are no ordinary water closets! Lined with a delicate blue and white patterned ceramic, they are actually stunning and rare examples of early 19 century sanitary ware. their sinking with the wreck of the *City of Launceston* in November 1865 probably guaranteed their survival until today. had they been in an old building instead of at the bottom of the ocean, the advances of modern technology, would have had them replaced.

In April, the Maritime Heritage Unit joined forces with Customs, Police Search and Rescue, Maritime Archaeological Association of Victoria (MAAV) members and volunteers to recover several endangered artefacts from the *City of Launceston* wreck site. The Historic Shipwrecks Advisory Committee requested the rescue mission as evidence indicated that looters had already removed important artefacts from the site. two toilets, a sink, and several bottles, still containing their original contents, were recovered from the site and will be now analysed by Heritage Victoria's conservation laboratory

Victorian Heritage Act 1995 proclaimed from *In Place*, newsletter of the Australian heritage Commission (September 1996): This new Act was proclaimed earlier this year and the Victorian Heritage Council's membership announced shortly afterwards. Under the new legislation Heritage Victoria assesses places and objects of cultural heritage significance and recommends to the Council that those of special significance be listed in the Victorian Heritage Register. After assessment, the Executive Director of Heritage Victoria makes listings recommendations to the

Victorian heritage Council which then makes a decision as to whether the place or object should enter the Register. Recently it was decided that 49 archaeological sites across Victoria and significant trees in Essendon and Footscray should be listed. the archaeological sites and trees will be the first of their kind to enter the Victorian Heritage register. The new legislation also allows for the registration of movable objects and archaeological relics if they are connected with a significant heritage place.

Treasure Act Moves Forward: From *Museums Journal* August 1996: Attempts to update treasure trove laws (in Britain) have finally succeeded but will not come into force until a code of practise for dealing with finds has been drawn up. Heritage Minister Lord Inglewood said the government would consult interested groups, including museums, landowners and metal detectorists on the code of practise shortly. But he did not anticipate the *Treasure Act* becoming enforceable before the end of the year. The code will have to be agreed by both houses of parliament. The new act defines treasure as objects that are at least 300 hundred old and contain at least ten per cent gold or silver. Coins will only count as treasure if they are found in hoards, but this could mean as few as two coins being discovered at the same site. Anyone who fails to report a treasure find within 14 days of the discovery will be liable for a 5000 pound fine or three months' imprisonment, or both. Any museum wishing to acquire an item declared treasure by a coroner must pay a reward to the finder.

Internet News

HMVS Cerberus: From Marine History Information Exchange Group. The MARHST list has contained a number of interesting articles on the coastal defence monitor, HMVS *Cerberus*. Including a report that the owners, Bayside City Council, PO Box 27, Sandringham, Victoria, 3191 are trying to raise funds to salvage the historic vessel. Members of MARHST have been asked to contact the Chief Commissioner of Bayside City Council regarding the historical significance of the vessel.

Asian wrecks, 13th century: From Ross Anderson (Underwater Archaeology Discussion List: ARCH@ASUVM.INRE.ASU.EDU) Michael Hatcher (Nanking Trust-United Subsea Services) has probably just finished the 'marine archaeological recovery' of two wrecks, a British East Indiaman *Condor* off the coast of Cambodia (believed to have a cargo of porcelain "equal if not better than the financial returns of the Nanking cargo") and an Asian merchant trading vessel off the coast of Vietnam believed sunk in 1505. The latter vessel the 'Hoi-An Project' is supposed to have a cargo of "extremely rare Annamese porcelain" the likes of which has not been recovered from the ocean floor before. The diving season was going to be Jul-Aug-Sep with the items recovered being auctioned at Christies in December 1996. The estimated return on the 25-85,000 pieces of porcelain expected to be recovered was between \$300 million and \$Aus 1 billion. This may have received some media attention, don't know about any 13th century stuff though.

Guam Treasureships: (From Cynthia M. Turin University of Guam - Micronesian Area Research Center

Conservation Lab
cturin@uog9.uog.edu 29/08/96)
Comes the following report on Guam.

The *Nuestra Senora del Pilar de Saragosa y Santiago* has been an ongoing project for some time now. She was a westbound Manila Galleon, that wrecked off of the coast of Cocos Island (a small island off of the southern coast of Guam) in 1690. The project has become a small center of attention in these parts. (Well, these are very small parts - only 32 miles long...)

John Bent's company, The Pilar Project Ltd., has been handling the excavations at the site, and Duncan Mathewson III is still very much a part of the project (principal archaeologist). The Pilar staff is working with the University of Guam, and the Historic Preservation Office at the Guam Department of Parks and Recreation, to facilitate the implementation of an open, professional investigation.

So far, the site has not yielded "the motherlode", but it has produced a large number of other artefacts, including, iron pins, spikes, nails, lead hull sheeting, musketballs, pottery, cannonballs, bronze & copper objects, many, many ballast stones, and so forth. The map of the artefacts' provenances demonstrates a fairly distinct "trail"...A small number of silver coins has been found as well.No traces of hull timbers have been found.

Here at the University, MARC has been contracted to operate the conservation lab, and is presently responsible for the care and storage of all the artefacts. We are in the middle of planning new, larger facilities which will allow us the space to properly treat (ELR, etc.) the objects; until then, we

are properly storing them, and taking care of all of the preliminary documentation - measurements, photographs, sketches, etc. I think you will be pleasantly surprised. We would be happy to show you around, and would welcome any suggestions that you might have, after seeing everything in person.

As far as I can tell, having read the research design, and judging by the calibre of work that has been done this season, the "veneer of respectability" seems to be pretty solid all the way through. If you or anyone else has any real questions or concerns however, you should contact the following people:

Richard Davis, the HPO officer who is monitoring the project, at davisrd@ns.gov.gu

The Pilar Project office, to get a copy of, or get on the mailing list for the official monthly status reports that are produced, at ppl@kuentos.guam.net

or myself, for any conservation information.

News from Portugal: From Filipe Castro, Interim President of Arqueonautica np17la@mail.telepac.pt Lisbon, 13/09/96; **Azores:** four scientists from the Institute of Nautical Archaeology left today to Angra do Heroismo, to participate in a survey operation around Terceira Island This first official project, lead by the Museum of Angra, consists of a preventive survey on the area where the regional government plans to build a marina, and counts with the cooperation of the IPPAR (the Portuguese public archaeology institution), the GAS (Grupo de

Arqueologia Subaquatica dos Amigos do Museu de Angra do Heroismo), Arqueonautica Centro de Estudos (not to be mistaken with the treasure hunting company, Arqueonautas SA., the one that counts with the name of Dr. Margaret Rule) and the Universidade dos Acores.

The GAS has developed a very interesting and serious work both in the field and in the archives and is showing up as a very organised, serious and competent group of archaeologists in the Azores. This first INA working visit is just the beginning of what we think will be a long term cooperation, and we intend to build in Angra something like the Bodrum center of INA, opened to students and investigators from around the world.

Center of underwater operations of EXPO'98: is preparing the drawings of 3 ships from the XV/XVI century that were recently found (Aveiro A; Cais do Sodre; Corpo Santo) for publication. It's taking time but it's worth waiting for the results! Being just an invited manager and trouble shooter in that center and not knowing much about naval archaeology, I can only tell you some of the exciting things I hear there: the Cais do Sodre ship (dated from late XVth century by C14 method) had a big and beautiful whipstaff and 24 meters of undisturbed keel; the Aveiro A (XVth century) is being excavated by Dr. Francisco Alves - with the cooperation of Prof. Eric Rieth as a consultant - and looks a lot like a small replica of one of Manuel Fernandes ships from the "Livro das Tracas de Carpintaria"; the Corpo Santo ship is just part of the keel and sternpost of a big XV/XVIth century ship, but promises to deliver a lot of information when the archaeologists take the first

row of the planking and get to see the inner sternpost, the end of the keelson, or whatever is underneath there.

La Salle: (Andy Hall tigon@phoenix.net La Salle Shipwreck Project 12/09/96) The Texas Historical Commission has begun excavation of the wreck of the French explorer La Salle's ship Belle, which was lost in Matagorda Bay, Texas in 1686. Excavation began on Monday, September 2, 1996. Images captured on that day are now available online at the La Salle Shipwreck Project WWW site at:

<http://www.thc.state.tx.us/belle/index.htm>

It is our hope to provide, via this site, an up-to-date account of the project. Images captured on Wednesday, September 4 are currently being processed and should be online soon. We hope to provide information that will be useful to archaeologists, historians, educators and the general public.

The site includes background information on La Salle, links to other nautical archaeology projects, and even recipes (just one for now) from the field crew's kitchen.

Cape Verde Islands: (From Filipe & Siaska Castro np171a@mail.telepac.pt off Sub-arch 17/10/96) The company ARQUEONAUTAS SA. started excavations in Cape Verdian Islands last July. According to the available information recovery operations on the wrecks of the *Leijmuiden* and the *Hartwell* started on the 20th July. ARQUEONAUTAS SA. is working closely with MARE, of the Oxford University. They state that archaeological expertise is of great

relevance to salvage operations in order to assure cost efficient recovery. They also say that proper recording procedures of artefacts and first aid conservation are extremely relevant to assure the highest possible value for the objects recovered at auction. As an adviser to this complex field of expertise Dr. Margaret Rule, the Director of the Scientific Board of the Portuguese Holding Company, is working as adviser on the Cape Verde Project Company in close cooperation with MARE.

A paragraph in their Newsletter deserves to be repeated here! It's in a chapter called Maritime Archaeology (page 12) and it's one of the most genial short stories of underwater archaeology I ever saw:

"In the 20th century, at the end of the forties, Jacques Cousteau invents the "Aqualung" which revolutionised the then existing deep-sea diving techniques. Two decades later, in Florida, the search for sunken ships began and for the first time in history wrecks were analysed to establish their historical significance. Shortly after that, in Europe, John Grattan discovered the "Santa Maria de la Rosa". In 1979, the archaeologist Margaret Rule was appointed excavations recovery and restorations of the Tudor battleship "Mary Rose" and its cargo." sic.

Discussion Point: (From Ian Oxley Deputy Director Archaeological Diving Unit University of St Andrews via Sub-arch list email: io@st-andrews.ac.uk)

It is over thirteen years since the publication of *Shipwreck Anthropology* (Gould, R A, ed., 1983, School of American Research, University of New

Mexico Press, Albuquerque, NM. ISBN 0 8263 0687 X) and possibly the only recent paper to tackle the subject of the state of shipwreck archaeology method and theory. Possibly the only recent treatment of the subject is Gibbins, D., 1990, Analytical approaches in maritime archaeology: a Mediterranean perspective. *Antiquity* 64: 376-89. Potential topics (after Gibbins):

*Wrecks as fine grained assemblages - the analytical potential inherent in the special integrity and resolution of wreck.

*Middle range theory - the relationship between a wreck assemblage and the original ship assemblage, and the relationship between the aggregate data of ship assemblages, as inferred from wrecks, and the real data of all relevant sailings at the appropriate place and time.

*Scattered sites - the prejudice against the potential of relatively poorly preserved sites.

I suggest that it is timely to examine these questions again.

Discussion Point (a reply) (From Jon Adams, Department of Archaeology University of Southampton, via sub-arch 29/10/96)

It just so happens that Dave Gibbins and I have been conspiring along similar lines. He proposed (and as far as I know it'll run) a maritime session at the forthcoming TAG (Theoretical Archaeology Group) conference at Liverpool this December, in which we will focus on the 'middle range'. I presume you'll be contributing?

I shall be exploring various themes under the working title:

Site formation: Unfashionably processual or interpretatively indispensable?

As underwater excavation and recording procedures were rapidly refined during the 1970s and 80s, an interest was generated in stratigraphy and site formation. In Keith Muckelroy's work on wrecking and formation processes, there are broad parallels with the emphasis placed on site formation in terrestrial contexts by people like Michael Schiffer. In hindsight, the concern for methodology, reliable data, site formation, and scientifically sound reconstructions are indicative of a positivist phase in maritime archaeology. I feel it was very appropriate for that phase in the subject's development. However, there was generally little conscious adoption of the New Archaeology as such. Processual approaches as advocated by Watson for example in the volume you cite above (Gould, (ed) 1983) were generally rejected or quietly ignored. In today's post-processual environment where a few maritime workers are contributing to theoretical debate *as well as* to practice, and maritime archaeology as a whole is moving in new directions, a review of the contribution made by research into formation processes is timely. I would argue that it should remain a prime consideration in any research design, whatever its theoretical hue.

Discussion Point (A reply) (Ian Oxley Deputy Director, Archaeological Diving Unit, email: io@st-andrews.ac.uk, 29/10/96)

I do intend to contribute to the TAG session (see http://www.liv.ac.uk/Archaeology_Cla

[ssics/tag96.html](http://www.liv.ac.uk/Archaeology_Cla/ssics/tag96.html)) on maritime archaeology which will focus on site formation studies and middle range theory.

My paper, entitled something like *When the Ship Hits the Fan.....! A Historical Review of Wreck Site Formation Process Modelling* will attempt to chronicle the development of wreck site formation process thinking to date, in a historical sense without offering any detailed analysis of the trends.

I agree with your final point on the need for explicit attention to site formation processes as an integral part of any research design, which themselves should be explicit and mandatory. This last point will undoubtedly raise some objections from those who find research designs unnecessary. With due apologies for shamelessly lifting it out of context I recall George Bass's statement:

"I find formal research designs restrictive rather than expansive, and choose to ignore them" (Bass, G F, 1983, A Plea for Historical Particularism in Nautical Archaeology. In, Gould, R A, ed., 1983, School of American Research, University of New Mexico Press, Albuquerque, NM.: pp 91-104. ISBN 0 8263 0687 X).

New Archaeology Web Page (From John Giacobbe, Archaeology List <ARCH-L@TAMVM1.TAMU.EDU> 21/11/96)

Cultural and Environmental Resource Consultants, Inc. (CERCI) is pleased to announce the debut of its web page. They have two main areas for your viewing pleasure. The first is our home page, *The Naked Scientific*

Archaeology and Co-Ed Physical Anthropology Page, offering links to many sites concerning archaeology, geology, forensic and other biomedical fields, as well as mystery literature, museums, libraries, online databases, just about anything else interesting they could find, and of course physical anthropology.

In addition, they have downloadable source materials of their own, including general bibliographies on osteology and prehistory, as well as specialised bibliographies on ceramic analysis, site survey, systematics, artefact style, and CM. They also have a sampling of short research reports concerning ceramic analysis, typology, general research design, skeletal analysis, and a planned series encompassing cultural resource management reports.

CERCI hope to have this site act as both a repository of information and a takeoff point in research, and welcome both ideas and submissions. They are updating the site daily, so please bookmark it and visit often, and let them know what you think.

The Naked Scientific Archaeology and Co-Ed Physical Anthropology Page:
<http://www.caverns.com/~catiline/index.html>

or the CERCI corporate home page:
<http://www.caverns.com/~catiline/index.html/cerc1.htm>

International and Miscellaneous News

Side Scan Sonar: from New Jersey Scuba Club WWW Page: 'Searching for shipwrecks has always been a difficult and sometimes costly endeavour. there are several methods divers have used to conduct these searches. In the Spring of 1995 Marine

Sonic came to New York to demonstrate the companies new Sea Scan PC Side Scan Sonar. This new patented technology is so advanced and yet comparable affordable that it was hard to believe. The sea Scan PS Side Scan Sonar is unique in at least three significant areas, cost, performance and operability. Cost is one of the major problems when looking at purchasing a side scan - according to Marine Sonic their new side scan utilizes a PC instead of a dedicated processor. PC's are manufactured by the millions and are considerable cheaper than the custom made plotters and displays used in conventional side scan technology. Added benefits from the PC are an integrated plotter for navigation, digital processing, filtering and enhancement of data and the ability to store images to disk rather than on thermal paper.

Operability, on most sophisticated side scan units mandates a trained professional technician. The Sea Scan PC unit however, is extremely user friendly. In fact, almost anyone can learn the basics in a few hours. Side Scan sonar is the wreck technology of the future. For additional information on Sea Scan PC Side Scan Sonar contact Marine Sonic Technology, Ltd. 5580 George Washington Memorial Highway, White Marsh VA. USA. 23183 - 0730

H.L. Hunley Update from The South Carolina Institute of Archaeology and Anthropology: The South Carolina Hunley Commission and the US Navy/Naval Historical Center initiated on 29 April 1996 a jointly funded assessment survey of the remains of the submarine *H.L. Hunley*. The survey was conducted during a five and half week period. The principal goals of this survey were to confirm the identity of the vessel as the

Hunley, document the site to the extent conditions would permit, ascertain condition of the hull, and to evaluate the feasibility of a future recovery project. The principal parties tasked to carry out this expedition were the National Arks Service - Submerged Cultural Resource Unit (NPS-SCRU), South Carolina Institute of Archaeology and Anthropology - Underwater Archaeology Division (SCIAA), Naval Historical Center - Underwater Archaeology Program (NHC) and the South Carolina Department of Natural Resources (DNR).

Phase One of the project was carried out in early May and consisted of non-invasive, remote sensing using a marine proton magnetometer, a RoxAnn bottom classification unit, a side scan sonar, and a digital sub-bottom profiler. The site was relocated, the perimeters of the debris field defined and the depth of the submarine in the sediments profiled. Sediment cores were also taken around the site to provide an environmental contextual element.

Phase two of the project which commenced mid May, proceeded to uncover the hull and positively identify the remains as belonging to the *Hunley* by a number of the hull attributes unique to the submarine including the foreward and aft hatches, complete with cutwaters and portholes; torpedo spar, diving planes, air box, snorkel, propeller, rudder and external iron keel ballast. Whilst the hull was exposed a corrosion engineer commenced a corrosion potential survey of the hull.

Following the successful conclusion to phase two the hull was reburied under protective sediments. The site of this very significant find is currently

protected by physical barriers, electronic surveillance and sensing devices to provide a 24hour protection of the site. The analysis of the data gathered will take many months to be completed however early reports indicate that - the vessel is completely intact and buried in harbour sediment, lying at 45 degrees on the starboard side, bow planes elevated. The hull contains much metal and active corrosion is continuing to occur.

When all of the studies have been completed a final report on the expedition and recommendations for the vessels preservation and possible recovery will be delivered to the South Carolina *Hunley* Commission and the U.S. Navy. In the meantime up to date information is available on the *Hunley* Home page on the WWW for further information contact Chris Clement at clembob@garnet.cla.sc.edu

National Conservation and Preservation Strategy: FREE Public Forum: This forum will draw on the expertise of people in the heritage collections sector to develop collaborative and coordinated strategies to implement the *National Conservation and Preservation Policy for Moveable Cultural Heritage*. This Policy was developed in 1995 by the Conservation Working Party of the Heritage Collections Committee - a collaborative partnership of State and Commonwealth governments and the museums sector. The policy has received broad and bipartisan endorsements by State, Territory and Federal cultural ministers and representatives of the local government sector. Copies are available from the Department of Communications and the Arts or you can find it on the world wide web at

<http://www.nla.gov.au/npo.natco/natpol.html>

The National Conservation and Preservation Strategy will address the barriers for implementing the ten policy statements, such as low levels of collections documentation or low levels of general awareness of conservation issues. It will also propose active intervention strategies for training and hands-on assistance.

Discussion papers have been commissioned to address issues involved in implementing the *National Conservation and Preservation Policy for Movable Cultural Heritage* and make recommendations for action. To enable informed and effective discussions at the forum, these papers will be distributed to registered participants prior to the event and will also be available on the Department of Communications and the Arts website - at <http://www.dca.gov.au> prior to the forum.

For further information please contact: Ms Deidre Brocklebankj, Dept of Communication and the Arts, GPO Box 2154, Canberra ACT. 2601. Ph: (06) 279 1679

email: d.brockle@dca.gov.au
The Australasian Society for Historical Archaeology (ASHA). ASHA was founded in 1970 to promote the study of historical archaeology in Australia. New Zealand was incorporated two decades later. The Society encourages archaeological research on historical sites, buildings, artefacts and relics by historical research, survey, recording, excavation and analysis and the publication of results of such research. The Society aims to promote the exchange of information, research and reference

material relating to historical archaeology, within Australia and overseas. The wide range of historical archaeology in Australia is reflected in ASHA's publications *Studies in Historical Archaeology*, *Australasian Historical Archaeology* and the quarterly *Newsletter*. Membership is open to both amateur and professional levels of archaeology. Subscriptions are as follows: Individual membership (per annum) \$25.00. Corporate membership (per annum) \$30.00.

For further information please contact
The Secretary
Australasian Society of Historical Archaeology, Box 220
Holme Building
University of Sydney, NSW 2006.

Australia Council Grants. The Council provides grant money for many cultural activities. For comprehensive details of the Australia Council's grants and application procedures please see the Australian Council for the Arts Grants Handbook 1996. Available from the Australia Council on (02) 9950 9000

The Australian Foundation for Culture and the Humanities. Support organisations and individuals in activities in the area of culture and the humanities. This year the foundation is targeting **Publishing (\$10,000)**, **Oral History and Folklore (\$5000 - \$20,000)**, **Celebrations and Commemorations Programs (\$20,000 - \$50,000)** and **Travel Fellowships (\$3000 - \$5000)**. Guidelines available 22 July 1996, closes 27 September 1996. Contact. The Australian Foundation for Culture and the Humanities Ltd, 33 - 39 Little Lonsdale Street, Melbourne, Victoria, 3000. Ph (03) 9207 7020.

The Getty Grant Program of Santa Monica, California. has awarded a grant to the University of Canberra to establish a post graduate internship program. It funds graduates from the Conservation of Cultural materials program to complete a one- year internship at a recognised conservation laboratory in Australia or overseas. Persons eligible are graduates who completed their studies in 1994 - 95. Approximately AUD \$20,000 for one year. Contact Professor Colin Pearson, Director, NCCHSS, University of Canberra, PO Box 1, Belconnen, ACT, 2616. Ph (06) 201 2368.

George Alexander Foundation & Ian Potter Foundation - Value up to \$100,000. Awarded to Australian organisations for projects in areas including arts, fellowships, travel, grants and research. Closing dates mid April; mid July. Contact Executive Secretary, George Alexander Foundation and Ian Potter Foundation, Level 5, 1 Collins St, Melbourne, Victoria, 3000, Ph (03) 9650 3188.

Fellowships: From National Maritime Museum, Head of Research, Greenwich, SE10 9NF, England the following information on Fellowships: Sackler Research Fellowship in the History of Astronomy and Navigational Sciences, 12,500 pounds p.a., tenable two years. Caird Senior Fellowship - 17th century Dutch maritime paintings - medals - 18th century prints, 12,500 pounds p.a, tenable one year. Caird Junior Research Fellowship in (British) Naval and Maritime History and Associated Studies, 8,500 p.a, tenable one year.

Touring Exhibits?: Erica Sanders, the National Touring Resource Officer at Museums Australia, is developing a database of Museums and display venues throughout Australia for use by Museums with touring exhibitions. A Touring Exhibition Trade Directory is also in the pipeline and will include information on packing, transport arrangements and insurance. Listings are free. Further information from Erica on (03) 9486 3399.

British Council: Travel Grant Scheme; Academic Link and Interchange Scheme (ALIS); Visitors Scheme; Post Graduate Bursaries; and for a listing of their international courses and seminars contact PO Box 88, Edgecliff NSW 2027. Ph (02) 326 2022, Fax: (02) 327 4868

United States Cultural and Academic Specialist Grants: Awarded to American specialists to spend two to six weeks at an Australian museum or gallery to work on specific projects or work as consultants. Available on a shared cost basis with USIS (United States Information Service) Contact: Noeline R. Milson, USIS, Ph (06) 270 5966, Fax: (06) 273 3051.

New Books and Publications

INA NEWSLETTER: All INA Newsletters are available from INA, P.O. Drawer HG, College Station, TX 77841. You can also order them by accessing the Web page at <http://nautarch.tamu.edu>

Cheryl Haldane
Institute of Nautical Archaeology -
Egypt P.O. Box 432
El Ibrahimiyya, Alexandria
Egypt

Tel./FAX: 203-546-6872
e-mail: INA_MISR@auc-ac.s.eun.eg
Cheryl Haldane
<haldane@BILKENT.EDU.TR>

NAS: Nautical Archaeology Society and International Journal of Nautical Archaeology offer a special joint membership/subscription rate to professional and avocational maritime researchers. Join NAS and receive both NAS Newsletter and IJNA for \$US60. Contact Membership Secretary, 206 Moorview Way, Skipton, N Yorks, BD23 2TN, England

Museums Australia Bookshop: For people who don't have access to a specialist bookshop and are keen to keep up with current musicological practise, Museums Australia produces a catalogue, *Publications for Sale*, which lists relevant Australian and overseas publications. Some recent publications listed are: *Travelling Exhibitions* by Sara Kelly; *Historical Outreach: Programs for Museums, Historical Organisations and Academic History Departments*, by J.D. & Diane F. Britton (Eds); *Archaeological Curatorship* by Susan Pearce and; *The Marketing Mix: Promoting Museums, Galleries and Exhibitions* by Dr Sharron Dickman. For further information please contact Museums Australia Victorian Office, Tel: (03) 9416 1945

Forthcoming Conferences

Society for Historical Archaeology Annual Conference: As part of the SHA's effort to provide continuing education opportunities for professionals and students, the following one-day workshop will be offered January 8, 1997, the day immediately prior to the beginning of

the SHA meeting in Corpus Christi, from 8 a.m. to 5 p.m.

Assessing the Archaeological Significance of Historical Sites. The instructor will be Dr. Donald Hardesty, professor of anthropology at the University of Nevada, Reno (UNR). The workshop is offered through the Heritage Resources Management program at UNR. The cost is \$125. For more information, call the Heritage Resources Management Program at 1-800-233-8928. Spaces are limited, so hurry and reserve your spot!

The course is an introduction to the evaluation of the archaeological record of historical sites for National Register eligibility. Key topics include the development of historic contexts and research designs for significance evaluation, assessing archaeological integrity, small isolated sites such as towns and mining districts, linear sites such as overland roads and railroads, industrial sites, and recent 20th century sites.

Other scheduled events of interest for students at the upcoming SHA meeting are the reception for students to be held Wednesday, January 8, beginning at 5:30 p.m. at the conference hotel and a special Student Career Forum from 1:30-3:00 p.m. on Thursday, January 9. Topics to be discussed at the forum include *Preparing a Teaching Portfolio*, *Preparing a C.V. with an Academic Emphasis*, *Preparing a C.V. with a CRM Emphasis*, and *Ethics and Professionalism*. Speakers are Doug Armstrong (Syracuse), Diana Wall (CUNY), Donna Seifert (John Milner Associates), Mary Beaudry (Boston U), Terry Majewski (Statistical Research), Elizabeth Kellar (Syracuse), and Sarah Mascia (SHA Employment Coordinator).

Contact Terry Majewski at sriarc@aol.com if you have questions about any of the above.

Call for papers. The 5th annual New Researchers in Maritime History conference has been announced. It will be held at the Merseyside Maritime Museum on 15 March 1997. The objectives of the conference are:

- to promote the study of maritime history
- to encourage and support new researchers
- to provide a means of contact between new and established researchers

The conference will be eight 15 minute papers followed by a further 15 minutes of discussion.

Contributions should be sent by 28 November 1996.

Further details from Graeme Milne, Centre for Port & Maritime History, University of Liverpool (gjmilne@liv.ac.uk)

CALL FOR PAPERS GPS/GIS '97
Annapolis, Maryland & Chesapeake Bay - May 13-16, 1997: The 1997 International GPS/GIS Conference, to be held in Annapolis, Maryland, and on the Chesapeake Bay, is accepting technical papers and poster presentations. GPS/GIS '97 focuses on state-of-the-art applications and technologies in integrated Global Positioning Systems (GPS) and Geographic Information Systems (GIS). This leading international conference provides a unique opportunity for government agencies, private organizations, and research institutions to focus on all aspects of GPS/GIS integration. GPS/GIS '97 is a dynamic forum for discussion of real-

world applications implementing the synergy of these two technologies.

The Conference program will include presentations, field trips, and training for both beginners and experts in the field of GPS and GIS. Papers and poster sessions will address the following applications:

- * Defense
- * Disaster Preparedness and Response
- * E-911 Emergency Management
- * Environmental Monitoring
- * Forestry
- * GIS Mapping
- * Natural Resources
- * Public Facilities
- * Oil and Gas
- * Telecommunications
- * Transportation and Vehicle Tracking
- * Utilities

For further information contact: The Program Chair, GeoResearch, Inc., P.O. Box 220, Cabin John, MD 20818; Phone number (301) 664-8000.)

SOCIETY FOR INDUSTRIAL ARCHEOLOGY

1997 ANNUAL CONFERENCE
Michigan Technological University is hosting the 1997 SIA conference in Houghton, Michigan, from May 29 - June 1, 1997. Situated in the heart of one of the nation's preeminent copper and iron mining regions, the conference will offer opportunities to attend paper sessions and to tour mining and industrial sites.

PRESENTATION FORMATS

Proposals may include individual papers (20 min.), organized panel discussions (90 min.), reports on work in progress (10 min.), or symposia of related papers. Of particular interest will be presentations on: mining and metallurgy, industrial landscapes, historic bridges, industrial heritage

preservation, and/or future directions for industrial archeology.

DEADLINES

An abstract of not more than 250 words is required for all formats. Please include the title of the presentation, the names of participants, brief curriculum vitae, addresses, telephone/fax numbers, and audio-visual requirements. Symposia organizers should submit all of the paper abstracts as a group. Abstracts are due by January 15, 1997 for review by the program committee.

SEND PROPOSALS TO:

David Landon SIA Headquarters
Department of Social Sciences
Michigan Technological University
Houghton, MI 49931 tel 906 487-2366 fax 906 487-2468 email DBLand@mtu.edu

CONFERENCE INFORMATION:

SIA Headquarters Department of Social Sciences Michigan Technological University Houghton, MI 49931 tel 906 487-1889 fax 906 487-2468 email PEM-194@mtu.edu

Eighth International Symposium on Boat and Ship Archaeology: Gdansk, Poland, September 24 - 27 1997.

Theme: Down to the river and into the sea: For further information please contact: Dr Litwin, Secretariat ISBSA 8, Centralne Muzeum Morskie, ul. Szeroka 67/68, 80-835, Gdansk, Poland.

International Council of Museums.

In partnership with ICOM, Museums Australia is to host the next International Council of Museums Conference in Melbourne, Victoria in 1998. So far the Commonwealth Government has promised \$100,000 to the event and the Victorian State

Government a further \$250,000. For further information please contact Anthea Hancock at the Museum of Victoria (03) 9651 6783

Further Studies ???

Graduate Diploma of Museum Studies, Masters of Letters (Museum Studies), Museum Studies Unit, University of Sydney, includes Foundation Studies (The Museum, Context, Research, and Information Management, Communications and Public Programs); Management Studies (Principles of Management, management Practise, marketing and Fundraising); Collection Studies (Collection management, material Culture Study 1 and 2); Access Studies (Visitor Studies, Evaluation and Criticism, museum Education, Exhibition Project Management)

For further information contact Ms Shar Jones, Museum Studies Unit, Sydney University. Ph (02) 351 3800

BA and BA Hons in Cultural Heritage Studies, Graduate Diploma in Applied Heritage Studies (also Maritime Archaeology), MA in Cultural Heritage Studies (by project); Contact The Research Institute of Cultural Heritage, Curtin University, GPO Box U 1987, Perth WA, 6001, Ph (09) 351 3831

Certificate in Cultural Preservation.

Six hours per week for 36 weeks. To equip students with skills to provide technical assistance in the cultural preservation industry. Contact Geoff Bell, Course Coordinator (06) 207 3469 of the School of Applied Science (06) 207 4300.

Graduate Diploma (Cultural Heritage Studies) & Bachelor of Arts

(Cultural Heritage Studies): Charles Sturt University is offering by distance or on-campus study further education in Cultural Heritage Studies.

The Graduate Diploma is for those who have completed a tertiary degree and wish to gain more specific heritage skills. It is offered by distance over two years. Students successfully completing the course may choose to upgrade to an MA. Subjects offered: Cultural Theory, Visions of the Past, Heritage Practise, Museum Technology, Preserving the Public Record, Politics of the Past and Research Methods.

The BA is a three year degree preparing students for careers in ,museum. heritage and consultancy work. Students major in heritage studies and anthropology and select additional subjects from photography, park management, Japanese, conservation, curatorship or art history.

Further information from: The Secretary. School of Cultural Heritage, Charles Sturt University, PO Box 780, Albury, NSW 2640.

Fieldschools

Ball State University 1997 Underwater Archaeology Fieldschool
Anthropology 450/550

The Fourth Annual Ball State University Underwater Archaeology Fieldschool will be conducted First Summer Session of 1997.

The fieldschool carries 6 semester credit hours of Anthropology and is open to undergraduate and graduate students. Participants must be certified divers. The enrollment is limited to 12 students.

Where: Ball State University, Muncie, Indiana, USA and Grand Cayman Island, British West Indies.

When: May 19 - June 20, 1997. The first two weeks will take place in central Indiana at aprivately owned dive site and involve learning small boat handling, instrument survey, mapping, recording, excavation techniques, airlift, induction dredge, remote sensing survey, underwater photography and video. This will be followed by 15 days on Grand Cayman Island continuing a project of documentation, oral history, mapping, videorecording and photographing the remains of a wooden, three masted schooner, wrecked on the north shore of the Island. Upon return, a project diary and journal of how-to-do-it techniques will be due June 20. Graduate students will prepare a research paper during the course for submission at the same time.

Application should be made to Dr. John Dorwin, Dept. of Anthropology, Ball State University, Muncie, IN USA 47306. Phone (317) 285-1575.

The application should consist of a letter requesting participation with details of your background and experience. A \$100 deposit must accompany the application. Applications will be accepted at any time but must be received before February 15, 1997. Applicants will be notified of their acceptance no later than March 1, 1997. Deposits will be returned to unsuccessful applicants. Once accepted into the program, deposits are not refundable.

Fieldschool cost will be \$US 1935 plus tuition. Included is airfare,

local transportation, housing, board, dive gear (except mask, fins and snorkle) for those who do not have their own, insurance and all supplies. Recreational diving expenses are not included although dive gear will be available for that purpose at no cost. Tuition is estimated at \$US 618 for 6 hours undergraduate credit and \$US 654 for six hours graduate credit. No additional charge is made for out-of-state students. An application fee of \$US 15 is charged for students who have not previously attended Ball State University. The deposit will be credited against the \$US 1935 cost. The remaining \$US 1835 will be due prior to the beginning of class. Tuition payment will be due at the time of registration or as arranged with the Bursar's Office.

Again, for interested parties, please contact Dr. John Dorwin or Mark Meier.

Dr. John Dorwin
00jtdorwin@bsuvc.bsu.edu

Mark Meier
00mkmeier@bsuvc.bsu.edu

Internships

GRADUATE STUDENT
INTERNSHIPS
Nautical Archaeology
Pensacola, Florida
Spring 1997, Summer 1997, Fall 1997

The University of West Florida, in conjunction with the Florida Division of Historical Resources, Bureau of Archaeological Research, is conducting investigations of the Emanuel Point Ship, an early Spanish shipwreck recently discovered in the shallow waters of Pensacola Bay, Florida.

Six graduate student internships are being offered for the 1997 field season. Successful applicants will have the opportunity to work with faculty of the University of West Florida in the following areas:

marine archaeological survey
underwater survey
artifact conservation
historical research

Requirements: Applicants must be enrolled in a graduate university or college program in Anthropology or Historical Archaeology, with a thesis track that is relevant to the above.

Internships will run from February 1 through May 1, 1997, and from May 15 through August 15; each intern will receive a stipend of \$US 2,500. No room and board is provided.

Graduate academic credit can be arranged through UWF.

How to Apply: Send an introductory letter, a resume or vita, and a letter of recommendation to:

John Bratten
Archaeology Institute
University of West Florida
11000 University Parkway
Pensacola, Florida 32514-5751
(904) 474-3015

AIMA Publications

Back issues of the *Bulletin*, Newsletters and Special Publication are available for sale. Publication price lists and order forms may be obtained by contacting The Treasurer. Discount prices may apply for multiple orders.

What is AIMA

The Australian Institute for Maritime Archaeology (AIMA) is an organisation formed to promote the advancement of maritime archaeology in Australia and to assist in the co-ordination of national and international programs. Join AIMA and find out more about what is happening in the world of maritime archaeology.

Ordinary Member: A\$35.00

Student Member A\$25.00

Institutional Member A\$75.00

Associate Member A17.50

For further information on membership please contact,

The Treasurer
Australian Institute for Maritime
Archaeology
C/- Western Australian Maritime
museum
Cliff Street, Fremantle
Western Australia, 6160