

# **Diving and Hyperbaric Medicine**

*ISSN 1833-3516*



*ABN 29 299 823 713*

**Index for Volume 37, 2007**

**March 2008**

**KEY WORDS FOR DIVING AND HYPERBARIC MEDICINE**

Abalone  
 Abstracts  
 Accidents  
 Adolescents  
 Aerobic capacity  
 Age  
 Air  
 Air embolism  
 Allergy  
 Altitude  
 Anaesthesia  
 Antarctica  
 Arterial gas embolism  
 Ascent  
 Asthma  
 Autobiography  
 Autopsy  
 Aviation  
 Barotrauma  
 Bell diving  
 Beta blockade  
 Biology  
 Blood substitutes  
 Blood sugar level  
 Book reviews  
 Brain injury  
 Breath-hold diving  
 Bronchial provocation testing  
 Bubbles  
 Buccal pumping  
 Buddies  
 Buoyancy  
 Capnography  
 Carbon dioxide  
 Carbon monoxide  
 Cardiovascular  
 Case reports  
 Cave diving  
 Cerebral arterial gas embolism (CAGE)  
 Cerebral blood flow  
 Chest injury  
 Children  
 Chronic wounds  
 Clinical toxicology  
 Closing volume  
 Coagulation  
 Cochrane library  
 Cold  
 Communication  
 Computers  
 Computers – diving  
 Constitutional amendments  
 Copyright  
 Coroner's findings  
 Corrections  
 Critical appraisal  
 DAN – Divers Alert Network  
 Data  
 Deaths  
 Decompression  
 Decompression illness  
 Decompression sickness  
 Deep diving  
 DES – Diver Emergency Service  
 Diabetes  
 DIMS  
 Disabilities  
 Disability  
 Disabled diver  
 Diver numbers  
 Diving  
 Diving accidents  
 Diving at work  
 Diving deaths  
 Diving industry  
 Diving organisations  
 Diving research  
 Diving safety memos  
 Diving scholars  
 Diving tables  
 Diving theory (see Physiology)  
 Doppler  
 Drowning  
 Drugs  
 Dysbaric osteonecrosis  
 Ear barotrauma  
 Ear infection  
 Echocardiography  
 Ecology  
 Economics  
 Editorials  
 Emergency ascent  
 Endothelium  
 Enriched air – nitrox  
 ENT  
 Envenomation  
 Environment  
 Environmental Symptoms Questionnaire  
 Eosinophilia  
 Epidemiology  
 Epilepsy  
 Equipment  
 Ethics  
 Evidence  
 Exercise  
 Exogenous poison  
 Expert witness  
 Extraglottic airway devices  
 Eyes  
 Fire or explosion  
 First aid  
 Fitness to dive  
 Flowchart  
 Flying (and diving)

- Freediving
- Gas gangrene
- Gas-induced osmosis
- General interest
- Gleanings (from medical journals)
- Haematology
- Health
- Health status
- Health surveillance
- Health surveys
- Hearing
- Helium pharmacokinetics
- Hip arthroplasty
- History
- Human skin equivalent
- Hyperbaric facilities
- Hyperbaric oxygen
- Hyperbaric oxygen therapy
- Hyperbaric oxygenation
- Hyperbaric research
- Hypercapnia
- Hyperthermia (see Thermal problems)
- Hyperventilation
- Hypothermia (see Thermal problems)
- Hypoxia
- Ice
- Immersion
- Immunosuppression
- Incidents
- Infectious diseases
- Injuries
- Inner ear
- Inner ear barotrauma
- Inner ear decompression illness
- Inner ear decompression sickness
- Instruction – diving
- Insurance (see Legal and insurance)
- Investigations
- Irradiation
- Jellyfish
- Labyrinth
- Land animals
- Legal and insurance
- Letters (to the Editor)
- Lidocaine
- Lignocaine
- Logistics
- Low air
- Lung compliance
- Malaria
- Malignancy
- Marine animals
- Medical conditions and problems
- Medical database
- Medical kits
- Medicals – diving
- Medical society
- Medications
- Meetings
- Membership lists
- Menstrual cycle
- Microparticles
- Military diving
- Mixed gas
- Models
- MOPS (maintenance of professional standards)
- Morbidity
- Motion sickness
- Multi-level diving
- Multiple sclerosis
- Musculo-skeletal
- Nasal decongestants
- Near drowning
- Necrotising infections
- Neuroprotection
- Nitric
- Nitrogen
- Nitrogen narcosis
- Nitrogen pharmacokinetics
- Nitrox (see Enriched air – nitrox)
- Non-steroidal anti-inflammatories
- Notice
- Numbers
- Nursing
- Obesity
- Obituary
- Occupational diving
- Occupational health
- Operations – diving
- Osteoarthritis
- Osteoradionecrosis
- Outcome
- Oxygen
- Oxygen consumption
- PADI
- Pain
- Panic
- Patent foramen ovale (PFO)
- Patient monitoring
- Pearl divers
- Performance
- Personality
- Pharmacology – marine
- Physiology (and diving theory)
- Platelets
- Policy
- Postural control
- Pregnancy
- Profile
- Prolonged QT syndrome
- Prosopagnosia or visual agnosia
- Psychology
- Pulmonary barotrauma
- Pulmonary function
- Pulmonary oedema
- Pulmonary oxygen toxicity

Qualifications  
 Questionnaire  
 Rebreathers/closed circuit  
 Rebreathers/semi-closed circuit  
 Rebreathing  
 Recall  
 Recompression  
 Records  
 Recreational divers  
 Recreational diving  
 Regression analysis  
 Repetitive diving  
 Reprinted from  
 Rescue  
 Research  
 Resort diving (see Tourism)  
 Respiratory  
 Resuscitation  
 Reverse dive profiles  
 Review article  
 Right-to-left shunt  
 Risk  
 Risk assessment  
 Risk factors  
 Risk management  
 Safety  
 Salt water aspiration  
 Salvage  
 Saturation diving  
 Scientific diving  
 Scuba  
 Scuba accidents  
 Scuba diving  
 Scubadoo  
 Severity  
 Shivering  
 Simulation  
 Smoking  
 Snorkelling  
 Soft tissue radionecrosis  
 Solo diving  
 Spearfishing  
 Standards  
 Stress (see Trauma and stress)  
 Submarine  
 Surface decompression  
 Surface supply breathing apparatus (SSBA)  
 Surfactant  
 Surveillance  
 Survey  
 Technical diving  
 Teeth  
 Textbook  
 Theory-based advice  
 Thermal problems (hypothermia and hyperthermia)  
 Tourism  
 Toxicity  
 Toxins

Training  
 Transcutaneous oximetry  
 Transport  
 Transpulmonary pressure  
 Trauma and stress  
 Travel medicine  
 Traveller's diarrhoea  
 Treatment  
 Treatment sequelae  
 Trimix  
 Tunnelling  
 Unconscious  
 Underwater diving  
 Underwater hazards  
 Underwater medicine  
 Unit pulmonary toxic dose  
 Vaccination  
 Vasoconstriction  
 Ventilators  
 Vertigo  
 Video and DVD reviews  
 Vital capacity  
 Women  
 Working in compressed air  
 World Wide Web  
 Wounds  
 Wreck diving  
 Writing – medical

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## EDITORIALS

The Editor's offering  
     Davis M  
     Editorial  
     2007; 37 (1): 1.  
     2007; 37 (2): 57.  
     2007; 37 (3): 117.  
     2007; 37 (4): 173.

## ORIGINAL ARTICLES

A descriptive epidemiological analysis of isolated inner ear decompression illness in recreational divers in Hawaii  
     Smerz RW  
     Decompression illness, decompression sickness. inner ear decompression illness, inner ear decompression sickness, treatment, epidemiology  
     2007; 37 (1): 2-9.  
 Sensation-seeking personality traits of navy divers  
     Van Wijk CH  
     Psychology, personality, occupational diving, survey  
     2007; 37 (1): 10-15.  
 Potential missed cerebral arterial gas embolism in patients with in-hospital ischaemic stroke  
     Khazei A, Harrison D, Abu-Laban RB, Mitra A  
     Cerebral arterial gas embolism (CAGE), air embolism, brain injury, hyperbaric oxygen therapy

2007; 37 (2): 58-64.

Does hostility facilitate success in military diving?

Van Wijk CH

Psychology, personality, military diving, occupational diving, survey

2007; 37 (2): 65-7.

Diving-related deaths in New Zealand 2000–2006

McClelland A

Diving deaths, deaths, drowning, scuba diving, breath-hold diving, diving accidents, case reports

2007; 37 (4): 174-88.

Diving expedition medicine – the Coral Cay Conservation experience

Richardson KE

Travel medicine, health surveillance, medical conditions and problems, epidemiology, medical kits, operations – diving

2007; 37 (4): 189-97.

Ventilator performance under hyperbaric conditions: a study of the Servo 900C ventilator

Bingham G, Koch B, Lee G, Millar I

Ventilators, equipment, hyperbaric oxygen, hyperbaric research

2007; 37 (4): 199-203.

#### REVIEW ARTICLES

The use of extraglottic airway devices in diving medicine – a review of the literature. Part 2: Airway management in a diving bell and deck decompression chamber

Acott CJ

Extraglottic airway devices, resuscitation, first aid, bell diving, disabled diver, medical kits, review article

2007; 37 (1): 16-24.

*In vitro* models for evaluation of hyperbaric oxygen therapy in wound healing: a review

Malda J, Dawson RA, Kairuz E, Topping G, Long R, Upton Z

Human skin equivalent, models, hyperbaric oxygen, chronic wounds, research, review article

2007; 37 (1): 25-30.

Use of ultrasound in decompression research

Pollock NW

Diving, bubbles, Doppler, echocardiography, equipment, decompression sickness, review article

2007; 37 (2): 68-72.

Aerobic fitness and underwater diving

Pollock NW

Aerobic capacity, exercise, oxygen consumption, fitness to dive, scuba, review article

2007; 37 (3): 118-24.

Deep decompression stops

Fock A

Decompression, deep diving, technical diving, models, trimix, review article

2007; 37 (3): 125-32.

Scientific diving in Antarctica: history and current practice

Pollock NW

Antarctica, diving, scientific diving, hypothermia (see

thermal problems), equipment, logistics, safety, review article

2007; 37 (4): 204-11.

#### CASE REPORT

Transient prosopagnosia resulting from a cerebral gas embolism while diving

Wilson CM, Sayer MDJ, Murchison AG

Cerebral arterial gas embolism (CAGE), arterial gas embolism, decompression illness, prosopagnosia or visual agnosia, treatment, case reports

2007; 37 (3): 139-42.

#### SHORT COMMUNICATION

Effects of a single hyperbaric oxygen exposure on haematocrit, prothrombin time, serum calcium, and platelet count

Hibbs HW, Harasym MP, Bansal D, Stewart J

Hyperbaric oxygenation, oxygen, platelets, coagulation, haematology, research

2007; 37 (3): 143-5.

#### SPUMS ANNUAL SCIENTIFIC MEETING 2007

Treatment of decompression illness in the 21st century: a brief overview

Mitchell SJ

Decompression illness, decompression sickness, arterial gas embolism, recompression, non-steroidal anti-inflammatories, lignocaine, blood substitutes, review article

2007; 37 (2): 73-5.

The need for a 90-metres' sea water depth capability for science diving [Abstract, Findings and Recommendations]

Lang MA

Scientific diving, deep diving, meetings, abstract

2007; 37 (2): 75-6.

Under-ice research: results of the International Polar Diving Workshop [Abstract]

Lang MA

Antarctica, ice, operations – diving, logistics, safety, diving research, abstract

2007; 37 (2): 77.

Decompression safety in recreational diving professionals using self-reported diving exposure and health status: a work-in-progress report [Abstract]

Van der Hulst G

Health surveillance, occupational diving, recreational diving, abstract

2007; 37 (2): 77.

Hawaiian Deep Tables: historical development and usage over 20 years [Abstract]

Smerz R

Decompression sickness, decompression illness, scuba accidents, treatment, hyperbaric oxygen therapy, abstract

2007; 37 (2): 78.

Hyperbaric oxygen therapy in cyclophosphamide-induced acute haemorrhagic cystitis: report of six cases

## [Abstract]

Davis M, Sames C, Macdonald H  
Hyperbaric oxygen therapy, drugs, clinical toxicology,  
case reports, abstract  
2007; 37 (2): 78-9.

Hyperbaric oxygenation in the patient with malignancy:  
friend or foe?  
Macdonald HM  
Hyperbaric oxygen, malignancy, outcome, review  
2007; 37 (3): 133-8.

**THE DIVING DOCTOR'S DIARY**

Treatment of psychological injury after a scuba-diving  
fatality  
Ladd G  
Diving deaths, scuba diving, psychology, instruction  
– diving, occupational health, trauma and stress, case  
reports  
2007; 37 (1): 36-9.

Two divers with acute vertigo and loss of balance  
McGeoch G  
Scuba diving, vertigo, decompression illness, inner  
ear decompression sickness, inner ear decompression  
illness, inner ear barotrauma, case reports  
2007; 37 (1): 40-41.

A case of unilateral facial swelling  
Van der Hulst G  
Underwater medicine, scuba diving, treatment,  
decompression sickness, barotrauma, case reports  
2007; 37 (2): 79-81.

Trauma in the marine environment requiring surgery after  
diving  
Smart D  
Injury, accidents, infectious diseases, anaesthesia, safety,  
decompression sickness, pulmonary barotrauma, case  
reports  
2007; 37 (2): 82-4.

**THE WORLD AS IT IS**

British Sub-Aqua Club (BSAC) diving incidents report  
2006  
Summary by Wilson C  
Recreational diving, accidents, diving deaths,  
abstracts  
2007; 37 (2): 85-6.

Development of recompression chamber facilities in  
Malaysia  
Rozali A, Mohd Zin B, Sherina MS, Khairuddin H,  
Sulaiman A  
Hyperbaric facilities, hyperbaric oxygen therapy,  
decompression sickness, general interest  
2007; 37 (2): 87-9.

Now and then – tales from SUMU  
Pennefather J  
Autobiography, diving research, military diving, history,  
general interest  
2007; 37 (2): 90-3.

**OPINION**

Diving medicine: from art to pseudo-science  
Edmonds C  
General interest, diving scholars, underwater medicine,  
meetings, medical society  
2007; 37 (2): 94-8.

Diving medical courses: a primer  
Edmonds C  
Underwater medicine, training, general interest  
2007; 37 (3): 146-150.

**SPUMS NOTICES**

Minutes of the SPUMS Executive Committee Meeting held  
on 4 June 2006 at the Pearl South Pacific Hotel, Fiji  
2007; 37 (1): 32-3.

Further report on Australian and New Zealand Standards  
Occupational Diving Committee held on Monday 29  
May 2006 at Standards Australia House, Sydney  
2007; 37 (1): 33-4.

The SPUMS website  
2007; 37 (1): 34.

Notice of the SPUMS Annual General Meeting 2007  
2007; 37 (1): 34.

ANZHMG Accepted Indications for Hyperbaric Oxygen  
Therapy  
2007; 37 (1): 35.

Minutes of the SPUMS Executive Committee Meeting held  
in Melbourne on 24 February 2007  
2007; 37 (2): 99-101.

Minutes of the Annual General Meeting of SPUMS held at  
Oceans Resort, Tutukaka, New Zealand, on Thursday  
19 April 2007  
2007; 37 (2): 101.

Education Officer's report 2007  
2007; 37 (2): 101.

President's report 2007  
2007; 37 (2): 102.

Treasurer's report 2007  
2007; 37 (2): 102.

Secretary's report 2007  
2007; 37 (2): 102.

Audit report to the members of SPUMS, 2007  
2007; 37 (2): 103-4.

Report on Australian and New Zealand Standards  
Occupational Diving Committee Meeting, Tuesday 20  
March 2007, Sydney  
2007; 37 (2): 105.

Approved extracts of minutes of the SPUMS Executive  
Committee Meeting, held on 19 April 2007 at Oceans  
Resort, Tutukaka, New Zealand  
2007; 37 (3): 152-3.

Dates and venues of the SPUMS Annual Scientific  
Meetings  
2007; 37 (3): 153.

Greetings from the new SPUMS Webmaster  
2007; 37 (3): 154.

Report from the ANZCA SIG-DHM  
2007; 37 (3): 155.

Diploma of Diving and Hyperbaric Medicine requirements  
Qualifications, underwater medicine, hyperbaric oxygen, research  
2007; 37 (4): 211.

Minutes of the SPUMS Executive Committee Telephone Conference Meeting held on 01 September 2007  
2007; 37 (4): 212-3.

SPUMS Annual General Meeting 2008  
2007; 37 (4): 213.

Minutes of the Annual General Meeting of the Australian and New Zealand Hyperbaric Medicine Group, Saturday 11 August 2007  
2007; 37 (4): 214-5.

ANZCA Certificate in Diving and Hyperbaric Medicine  
2007; 37 (4): 215.

#### LETTERS TO THE EDITOR

Asthma and scuba diving

Walker D

Letters (to the Editor), asthma, deaths, scuba diving  
2007; 37 (1): 52.

The future of our journal

Acott C

Letters (to the Editor), medical society  
2007; 37 (2): 109.

The hundred-fathom link

McKie N

Letters (to the Editor), deep diving, breath-hold diving  
2007; 37 (2): 109.

Spirometry assessment of divers at the 2007 ASM

Wilson A

Letters (to the Editor), pulmonary function, research, medical society  
2007; 37 (2): 110.

Maintenance of Professional Standards

Lehm J

Letters (to the Editor), meetings, MOPS  
2007; 37 (2): 110.

*Project Stickybeak* and DAN AP dive accident reporting project

Lippmann J

Letters (to the Editor), accidents, deaths, diving deaths, epidemiology, medical database, DAN - Divers Alert Network  
2007; 37 (3): 164.

Diving medical education

Elliott D

Underwater medicine, training, qualifications, occupational diving, letters (to the Editor)  
2007; 37 (4): 226.

Recognition of diving medicals in Queensland

Wendling J

Medicals – diving, training, qualifications, fitness to dive, recreational divers, legal and insurance, policy, tourism, letters (to the Editor)  
2007; 37 (4): 226-7.

#### BOOK AND JOURNAL REVIEWS

The international journal of diving history, volume 2 (1)  
(Phillips N, ed)

Davis M

2007; 37 (1): 54.

Oxygen first aid, third edition (Lippmann J)

Davis M

Book reviews, first aid, resuscitation, oxygen  
2007; 37 (2): 111.

Fathomeering: an amphibian's tale (Howitt I)

Ramsay B

Book review, diving, history, general interest  
2007; 37 (2): 111-2.

PFO and the diver: Patency of the cardiac foramen ovale: a risk factor for dysbaric disorders? (Balestra C, Cronjé FJ, Germonpré P, Marroni A)

Boon von Ochsée D

Patent foramen ovale (PFO), diving, decompression sickness, decompression illness, research, book review  
2007; 37 (4): 227-8.

The oxygen revolution (Harch PG, McCullough V)

Thomson I

2007; 37 (4): 228.

#### ARTICLES OF INTEREST REPRINTED FROM OTHER SOURCES

Research report: systematic reviews

Clavisi O, Bennett MH

Reprinted from, research, evidence, medical database, Cochrane library

2007; 37 (1): 42-4.

Bulletin of the Australian and New Zealand College of Anaesthetists. 2006; Oct: 10-11.

Evaluation of the System O<sub>2</sub> Inc portable non-pressurized oxygen delivery system [Abstract]

Pollock NW, Hobbs GW

Reprinted from, first aid, resuscitation, oxygen, equipment, performance  
2007; 37 (1): 45.

Wilderness Environ Med. 2002; 13: 253-5.

The absence of hearing loss in otologically asymptomatic recreational scuba divers [Abstract]

Taylor D McD, Lippmann J, Smith D

Reprinted from, ear barotrauma, hearing, scuba diving  
2007; 37 (1): 45.

Undersea Hyperb Med. 2006; 33: 135-41.

Problems associated with scuba diving are not evenly distributed across a menstrual cycle [Abstract]

St Leger Dowse M, Gunby A, Phil D, Moncad R, Fife C, Morsman J, Bryson P

Reprinted from, scuba diving, health surveys, women, menstruation, decompression sickness  
2007; 37 (1): 46.

J Obstet Gynaecol. 2006; 26: 216-21.

Cigarette smoking and decompression illness severity: a retrospective study in recreational divers [Abstract]

Buch DA, El Moalem H, Dovenbarger JA, Uguccioni

- DM, Moon RE  
Decompression sickness, smoking, diving, embolism  
2007; 37 (1): 46.  
Aviat Space Environ Med. 2003; 74: 1271-4.
- Scuba diving and pregnancy: can we determine safe limits?  
[Abstract]  
St Leger Dowse M, Gunby A, Moncad R, Fife C, Bryson P  
Reprinted from, scuba diving, health surveys, women, pregnancy  
2007; 37 (1): 47.  
J Obstet Gynaecol. 2006; 26: 509-13.
- Decompression disease with breath-hold dive [Abstract]  
Harms JD, D'Andrea C, Benhamou S, Archambaud E  
Reprinted from, breath-hold diving, decompression sickness, case reports  
2007; 37 (1): 47.  
European Journal of Underwater and Hyperbaric Medicine. 2006; 7: 59.
- Irukandji Taskforce guidelines for the emergency management of Irukandji syndrome  
Pereira P, Corkeron M, Little M, Farlow D  
Reprinted from, first aid, jellyfish, marine animals, toxins, resuscitation, treatment, flow chart  
2007; 37 (1): 48-9.  
Queensland Irukandji Taskforce, 29 January 2007.
- Fatal respiratory failure during a 'technical' rebreather dive at extreme pressure [Abstract]  
Mitchell SJ, Cronjé FJ, Meintjes WAJ, Britz HC  
Technical diving, diving physiology, carbon dioxide, hypercapnia ventilation, breathing, abstracts  
2007; 37 (2): 106.  
Aviat Space Environ Med. 2007; 78: 81-6.
- Exhaled nitric oxide is decreased by exposure to the hyperbaric oxygen therapy environment [Abstract]  
Puthuchery ZA, Liu J, Bennett M, Trytko B, Chow S, Thomas PS  
Hyperbaric oxygen, research, nitric oxide, abstracts  
2007; 37 (2): 106.  
Mediators Inflamm. 2006; 2006 (5): 72620.
- Endothelial microparticles in vascular disease and as a potential marker of decompression illness  
Madden LA, Laden G  
Reprinted from, decompression illness, endothelium, bubbles, microparticles, review article  
2007; 37 (3): 156-61.  
European Journal of Underwater and Hyperbaric Medicine. 2007; 8: 6-10.
- Monoplace hyperbaric chamber use of US Navy Table 6: a 20-year experience [Abstract]  
Weaver LK  
Reprinted from, decompression illness, decompression sickness, arterial gas embolism, hyperbaric oxygen therapy, treatment  
2007; 37 (3): 161.  
Undersea Hyperb Med. 2006; 33: 85-8.
- Age associated risks of recreational scuba diving  
Smerz RW  
Decompression sickness, scuba accidents, risk factors, age, DAN – Divers Alert Network, data, treatment sequelae  
2007; 37 (3): 162-3.  
Hawaii Med J. 2006; 65:140-1, 153.
- Epilepsy and recreational scuba diving: an absolute contraindication or can there be exceptions? A call for discussion  
Almeida MG, Bell GS, Sander JW  
Epilepsy, recreational diving, fitness to dive, review article, reprinted from  
2007; 37 (4): 216-23.  
Epilepsia. 2007; 48: 851-8.
- First-aid normobaric oxygen for the treatment of recreational diving injuries [Abstract]  
Longphre JM, Denoble PJ, Moon RE, Vann RD, Freiburger JJ  
First aid, oxygen, diving, injuries, decompression sickness, decompression illness, DAN - Divers Alert Network, reprinted from  
2007; 37 (4): 224.  
Undersea Hyperb Med. 2007; 34: 43-9.
- Alveolar gas composition before and after maximal breath-holds in competitive divers [Abstract]  
Lindholm P, Lundgren CEG  
Breath-hold diving, respiratory, physiology, hypercapnia, hypoxia, reprinted from  
2007; 37 (4): 224.  
Undersea Hyperb Med. 2006; 33: 463-7.

#### CRITICAL APPRAISAL

- Hyperbaric oxygen therapy reduces muscle tenderness and raises pain threshold in patients suffering from fibromyalgia  
Gibbens A, Bennett M  
Critical appraisal, hyperbaric oxygen, hyperbaric research, musculo-skeletal, reprinted from  
2007; 37 (4): 225.

#### OBITUARIES

- Henry Valance 'Val' Hempleman  
Towse J, Bevan J  
Obituary, decompression, models, tunnelling, saturation diving, research  
2007; 37 (1): 50-1.
- George Wookey  
Findlay L  
Obituary, deep diving, personality, general interest, reprinted from  
2007; 37 (2): 107-8.