

AUSTRALIAN NATURAL HISTORY

PUBLISHED BY THE AUSTRALIAN MUSEUM, 6-8 COLLEGE STREET, SYDNEY

INDEX TO VOLUME 18 MARCH 1974 — DECEMBER 1976

CONTENTS

MARCH 1974 No. 1

AUSTRALIAN CARNIVOROUS PLANTS WITH A THOUSAND SEA LIONS ON THE AUCKLAND ISLANDS	N.S. Lander	1
HOW MANY AUSTRALIANS?	Judith E. King and Basil J. Marlow	6
AUSTRALIA'S RAINFOREST PIGEONS	W.D. Borrie	12
SALT-MAKING AMONG THE BARUYA PEOPLE OF PAPUA NEW GUINEA	F.H.J. Crome	17
THE CASE FOR A BUSH GARDEN	William C. Clarke and Ian Hughes	22
"FROM GREENLAND'S ICY MOUNTAINS"	Jean Walker	25
BOOKS	Alex Ritchie	28
		36

JUNE 1974 No. 2

FROM FIRST FLEET TO EL TORITO	Gilbert P. Whitley	38
DEFUNCT VOLCANOES AND EXTINCT HORNED TURTLES	Lin Sutherland and Alex Ritchie	44
A TROPICAL OUTPOST IN THE SOUTH PACIFIC	Gerald R. Allen and John R. Paxton	50
VEGETATION AND ENVIRONMENT	Stephen S. Clark and John Pickard	56
ISLAND INVERTEBRATES	Courtenay Smithers, David McAlpine, Phil Colman and Michael Gray	60
COLONISATION AND EXTINCTION		
The Birds of Lord Howe Island	H.F. Recher	64
WOODHEN	H.J. de S. Disney	70
OF SKETCHES SKINS AND SKELETONS	G.F. van Tets and P.J. Fullagar	72
EXPLOITATION vs CONSERVATION	H.F. Recher and S.S. Clark	74

SEPTEMBER 1974 No. 3

TUNING IN TO CROCODILES	Gordon Grigg	78
STOLEN SONGS AND OTHER SOUNDS	A.H. Chisholm	84
A SPECIAL SUPPLEMENT		
ABORIGINAL ROCK PAINTINGS		
Considerations for their future	Robert Edwards, Sue Walston, and Terry Widders	89
CHANCE ENCOUNTER ON A RUBBER REEF	B.C. Russell	110
LOCUST PLAGUES AND PLAGUE LOCUSTS	Max Casimir	114
In Review		
FOCUS ON ABORIGINAL ARTS	Patricia McDonald	120

DECEMBER 1974 NO. 4

CONTROLLING THE SHEEP BLOWFLY	R.L. Kitching	122
INSIDE THE LIFE UNIT	Jim Frazier, Kingsley Gregg and David Popham	128
DOWN UNDER AUSTRALIA	Lin Sutherland	136
VOYAGE OF THE BANDED IGUANA	H.G. Cogger	144
In Review		
IMAGES FROM AUSTRALIAN SEAS	Gerald R. Allen	150

MARCH 1975 NO. 5

A GRAND NATURAL EXPERIMENT		
The Nadgee Wildfire	Harry F. Recher, Daniel Lunney and Haymo Posamentier	154
EMERGENCE OF THE PYGMY ANTECHINUS	Robert G.B. Morrison	164
POTS AND POTTERS IN PAPUA NEW GUINEA	Margaret Tuckson and Patricia May	168
SEARCHING THE SOUTHERN SKY	A.W. Rodgers	174
THE RIDDLE OF PERIPATUS	Robert Hardie	180
In Review		
THE FIGHT FOR THE FORESTS	Stephen S. Clark	186

JUNE 1975 NO. 6

LIME, LIMESTONE AND THE FIRST CAVES	E.A. Lane	190
CLIMBING AND CRAWLING THROUGH SUBTERRANEA	Andrew Pavey and Neil Montgomery	196
MINERAL DECORATIONS		
Nature's Cave Art	Julia M. James	200
THE FORMATION AND DEVELOPMENT OF AUSTRALIAN CAVES	J.N. Jennings	204
RECONSTRUCTING THE PAST		
Excavations in Fossil Caves	Rod Wells	208
SPELEOCHRONOLOGY: THE STORY IT TELLS	Cliff Ollier	212
CAVES AND ABORIGINAL MAN	Sandra Bowdler	216
ECOSYSTEMS UNDERGROUND	J.A. Harris	220
THE HEAVY HAND OF MODERN MAN	John Dunkley and Ludwig Reider	226

SEPTEMBER 1975 NO. 7	
LETTERS	230
ONCE UPON A TIME THEY LIVED HAPPILY EVER AFTER	
Ernest R. Rook	232
A SPECIAL SUPPLEMENT	
MINING IN AUSTRALIA Four Viewpoints	
G. Paul Phillips, John Moriarty, R.F.X. Connor and Milo Dunphy	241
A BIRD OF GOOD OMEN	262
David Milledge	
In Review	
A GALLERY OF AVIAN ART	270
DECEMBER 1975 NO. 8	
ANEMONEFISHES AND THEIR AMAZING PARTNERSHIP	
Gerald R. Allen	274
SLIT DRUMS AND THE HUNGGWE OF EASTERN AOA	
Francis Cameron	280
A SEVENTEENTH CENTURY TIME MACHINE	
Part 1: Excavating the wreck of the Batavia	
Part 2: Conserving the Wreck and the Relics	
Jeremy Green and Colin Pearson	284
THE WARRUMBUNGLA MOUNTAINS	
A Personal Experience	296
A.M. Fox	
THE WORLD OF THE ROCK LOBSTER	302
Bruce Phillips	
In Review	
REPTILES AND AMPHIBIANS	308
Peter Rawlinson	
MARCH 1976 NO. 9	
SNAILS WITHOUT SHELLS	310
J.B. Burch	
THE REDISCOVERY OF LUFU	316
Peter D. Dwyer	
DISGUISE DEFENSE AND AGGRESSION	324
Barry C. Russell	
THE WAYANG WORLD OF THE BALINESE	330
Zoe Wakelin-King	
BIRDS FROM AUSTRALIA'S PAST	
P. Vickers Rich and G.F. van Tets	338
In Review	
IN GENERAL AND IN PARTICULAR	342

JUNE 1976 NO. 10	
GONDWANA GENESIS	C.A. Fleming 346
THE SHAKY ISLES	R.H. Clark 350
FROM HAWAII TO TE-IKA-A-MAUI	Janet Davidson 354
FOREST ISOLATION	Bruce Hamlin 358
ARCHAIC ELEMENTS AND A HOST OF IMMIGRANTS	
Ian G. Crook	362
IN THE FLIGHTLESS TRADITION	G.R. Williams 366
AN IMPORTED FAUNA	M.J. Daniel 370
A HAPHAZARD INSECT ASSEMBLAGE	George W. Gibbs 374
ISLANDS, OCEANS AND MARINE LIFE PATTERNS	
Alan Baker and John Yaldwyn	376

SEPTEMBER 1976 NO. 11	
Editorial	
TOUCH THE EARTH	382
PROBING PONERINE ANTS	Phil Ward 384
A SPECIAL SUPPLEMENT	
OF TIME AND DEEDS AND EMPTY CITIES	
Dexter Dunphy, Harry Recher and Allan Fox	388
THE HIDDEN WORLD OF MBOTGO'T	Kirk Huffman 414
In Review	
LIFE OUT WEST	420

DECEMBER 1976 NO. 12	
A SATELLITE VIEW OF AUSTRALIA	J.F. Huntington 422
A MOST SUCCESSFUL INVASION	
The Diversity of Australia's Skins	Allen E. Greer 428
BOTANAVITI	
The Elusive Fijian Frogs	John C. Pernetta and Barry Goldman 434
THE SPECTACULAR SEA ANEMONE	U. Erich Friese 438
PEOPLE, PIGS AND PUNISHMENT	D.K. Feil 444
In Review	
AUSTRALIAN BIRDS AND OTHER ANIMALS	448

AUTHORS AND TITLES

ALLEN, Gerald, R.	A Tropical Outpost in the South Pacific	50
	Anemonefishes and their Amazing Partnership	274
BAKER, Alan	Islands, Oceans and Marine Life Patterns	376
BORRIE, W.D.	How Many Australians?	12
BOWDLER, Sandra	Caves and Aboriginal Man	216
BURCH, J.B.	Snails Without Shells	310
CAMERON, Francis	Slit Drums and the Hunggwe of Eastern Aoba	280
CASIMIR, Max	Locust Plagues and Plague Locusts	114
CHISHOLM, A.H.	Stolen Songs and Other Sounds	84
CLARK, R.H.	The Shaky Isles	350
CLARK, Stephen S.	Vegetation and Environment	56
	Exploitation vs Conservation	74
CLARKE, William C.	Salt-Making Among the Baruya People of Papua New Guinea	22
COGGER, H.G.	Voyage of the Banded Iguana	144
COLMAN, Phil	Island Invertebrates	60
CONNOR, R.F.X.	Mining in Australia, Four Viewpoints: The Government	250
CROME, F.H.J.	Australia's Rainforest Pigeons	17
CROOK, Ian G.	Archaic Elements and a Host of Immigrants	362
DANIEL, M.J.	An Imported Fauna	370
DAVIDSON, Janet	From Hawaiki to Te-Ika-A-Maui	354
DISNEY, H.J. de S.	Woodhen	70
DUNKLEY, John	The Heavy Hand of Modern Man	226

DUNPHY, Dexter	Of Time and Deeds and Empty Cities: The Gods of Urban Man	392
DUNPHY, Milo	Mining in Australia, Four Viewpoints: The Conservationists	254
DWYER, Peter D.	The Rediscovery of Lufu	316
EDWARDS, Robert	Aboriginal Rock Paintings, Considerations for Their Future: From the Dreamtime	92
FEIL, D.K.	People, Pigs and Punishment	444
FLEMING, C.A.	Gondwana Genesis	346
FOX, Allan M.	The Warrumbungle Mountains, A Personal Experience	296
	Of Time and Deeds and Empty Cities	
	The Unwritten Compact	404
FRAZIER, Jim	Inside the Life Unit	128
FRIESE, U. Erich	The Spectacular Sea Anemone	438
FULLAGAR, P.J.	Of Sketches Skins and Skeletons	72
GIBBS, George W.	A Haphazard Insect Assemblage	374
GOLDMAN, Barry	Botanaviti, The Elusive Fijian Frogs	434
GRAY, Michael	Island Invertebrates	60
GREEN, Jeremy	A Seventeenth Century Time Machine: Part One — Excavating the Wreck of the Batavia	284
GREER, Allen E.	A Most Successful Invasion, The Diversity of Australia's Skins	428
GREGG, Kingsley	Inside the Life Unit	128
GRIGG, Gordon	Tuning In to Crocodiles	78

HAMLIN, Bruce	Forest in Isolation	358	PICKARD, John	Vegetation and Environment	56
HARDIE, Robert	The Riddle of Peripatus	180	POPHAM, David	Inside the Life Unit	128
HARRIS, J.A.	Ecosystems Underground	220	POSAMENTIER, Haymo	A Grand Natural Experiment, The Nadgee Wildfire	154
HUFFMAN, Kirk	The Hidden World of Mbotgo't	414	RECHER, Harry F.	Colonisation and Extinction, The Birds of Lord Howe Island	64
HUGHES, Ian	Salt-Making Among the Baruya People of Papua New Guinea	22		Exploitation vs Conservation	74
HUNTINGTON, J.F.	A Satellite View of Australia	422		A Grand Natural Experiment, The Nadgee Wildfire	154
JAMES, Julia M.	Mineral Decorations, Nature's Cave Art	201		Of Time and Deeds and Empty Cities: An Ecologist's View, The Failure of Our National Parks System	398
JENNINGS, J.N.	The Formation and Development of Australian Caves	204	REIDER, Ludwig	The Heavy Hand of Modern Man	226
KING, Judith E.	With a Thousand Sea Lions on the Auckland Islands	6	RICH, P. Vickers	Birds from Australia's Past	338
KITCHING, R.L.	Controlling the Sheep Blowfly	122	RITCHIE, Alex	"From Greenland's Icy Mountains..."	28
LANE, E.A.	Lime, Limestone and the First Caves	190		Defunct Volcanoes and Extinct Horned Turtles	44
LANDER, N.S.	Australian Carnivorous Plants	1	RODGERS, A.W.	Searching the Southern Sky	174
LUNNEY, Daniel	A Grand Natural Experiment, The Nadgee Wildfire	154	ROOK, Ernest R.	Once Upon a Time They Lived Happily Ever After	232
McALPINE, David	Island Invertebrates	60	RUSSELL, Barry C.	Chance Encounter on a Rubber Reef	110
MARLOW, Basil J.	With a Thousand Sea Lions on the Auckland Islands	6		Disguise, Defense and Aggression	324
MAY, Patricia	Pots and Potters in Papua New Guinea	168	SMITHERS, Courtenay	Island Invertebrates	60
MILLEDGE, David	A Bird of Good Omen	262	SUTHERLAND, Lin	Defunct Volcanoes and Extinct Horned Turtles	44
MONTGOMERY, Neil	Climbing and Crawling Through Subterranea	196		Down Under Australia	136
MORIARTY, John	Mining in Australia, Four Viewpoints: The Aborigines	246	TUCKSON, Margaret	Pots and Potters in Papua New Guinea	168
MORRISON, Robert G.B.	Emergence of the Pygmy Antechinus	164	VAN TETS, G.F.	Of Sketches Skins and Skeletons	72
OLLIER, Cliff	Speleochronology, The Story it Tells	212		Birds from Australia's Past	338
PAVEY, Andrew	Climbing and Crawling Through Subterranea	196	WAKELIN-KING, Zöe	The Wayang World of the Balinese	330
PAXTON, John R.	A Tropical Outpost In the South Pacific	50	WALKER, Jean	The Case for a Bush Garden	25
PEARSON, Colin	A Seventeenth Century Time Machine: Part Two — Conserving the Wreck and the Relics	284	WALSTON, Sue	Aboriginal Rock Paintings, Considerations for Their Future: Studies in Conservation	96
PERNETTA, John C.	Botanaviti: The Elusive Fijian Frogs	434	WARD, Phil	Probing Ponerine Ants	384
PHILLIPS, Bruce	The World of the Rock Lobster	302	WELLS, Rod	Reconstructing the Past, Excavations in Fossil Caves	208
PHILLIPS, G. Paul	Mining in Australia, Four Viewpoints: The Industry	244	WHITLEY, Gilbert P.	From the First Fleet to El Torito	38
			WIDDERS, Terry	Aboriginal Rock Paintings, Considerations for Their Future: Politics and Ethics	104
			WILLIAMS, G.R.	In The Flightless Tradition	366
			YALDWYN, John	Islands, Oceans and Marine Life Patterns	376

SUBJECT MATTER

Albatross	262	Prehistory — New Zealand	354	Bali — shadow puppet theatre	330
AMPHIBIANS		Rofaifo people — Papua New Guinea	317	Banded Iguana — Fiji	144
Frogs — Fiji	434	Slit Drums and Hunggwe ceremony		Baruya people of Papua New Guinea — salt making	22
New Zealand	362	— Aoba	278	'Batavia' — conservation excavation	292
Anemones	438	Wayang kulit — Bali	330		284
Anemonefishes	274	Aoba, New Hebrides	278	BIRDS	
Ants	384	ARCHAEOLOGY		albatross	262
Antarctica — fish fossils	28	caves	216	fossils — Australia	338
Antechinus, pygmy	164	marine — 'Batavia'	284	Lord Howe Island — extant	64
ANTHROPOLOGY		ART		— extinct	72
aboriginal rock painting	90	Aboriginal rock paintings	90	— the woodhen	70
aboriginal use of caves	216	Shadow puppet theatre — Bali	330	mimicry	84
aborigines (and mining)		Auckland Islands — sea lions	6	New Zealand	366
land rights and mining	246	Australia — satellite view	422	pigeons of rain forest	17
Baruya People — Papua New Guinea	22	AUSTRALIAN ABORIGINES		BOOK REVIEWS:	
New Hebrides — Mbotgo't	415	land rights and mining	246	Animal Parasites	36
Pigs — Papua New Guinea	444	rock art	90	Australian Aboriginal Heritage	120
Pottery — Papua New Guinea	168	use of caves	216	Australian Banksias	152

Australian Insect Wonders	37	FOSSILS:		Nadgee wildfire	154
Australian Landforms	151	birds	338	NATIONAL PARKS:	
Australian Marine Fishes in Colour	150	fish — Antarctica	28	Australia	398, 404
Every Australian Bird Illustrated	448	in caves	208	West Germany	230
Faces of New Guinea	36	turtles — Lord Howe Island	47	NEW HEBRIDES:	
The Fight of the Forest	187	Frogs, Fiji	434	Aoba	278
Frogs	451			Mbotgo't	415
Frog Calls of South Eastern		Gardens, native	25	NEW ZEALAND:	
Australia (tape)	37	GEOLOGY:		amphibians	362
John Cotton's Birds of the Port		Lord Howe Island	44	botany	358
Phillip District	270	New Zealand	346	birds	366
Life Before Man	36	volcanoes — Australia	136	geology	346
Life Out West: Mootwingee, the		volcanoes and earthquakes — New		insects	374
Rockholes	420	Zealand	350	maori settlement	354
The Mitchell Beazley Atlas of World				marine life	376
Wildlife	342	Hall of Life	129	reptiles	362
The Mitchell Beazley World Atlas of		Hunggwe ceremony, Aoba	278	volcanoes and earthquakes	350
Birds	271			wildlife	370
Reptiles and Amphibians of		INSECTS:			
Australia	308	locusts	114	Ocean Voyages — Polynesia	354
Reader's Digest Complete Book of		sheep blowfly	122		
Australian Birds	448	New Zealand	374	PAPUA NEW GUINEA:	
Spiders	452	Ponerine ants	384	mammals	317
This Living Reef	343	INVERTEBRATES:		pigs, Enga	444
Wigmen of Papua	36	lobsters	305	pottery	168
BOTANY: (See FLORA)		Lord Howe Island	60	salt making, Baruya	22
Bush Gardens	25	Peripatus	180	Peripatus	180
		slugs	310	Pigeons, rainforest	17
Carnivorous plants — Australia	1	Iguana, banded	144	Plants, carnivorous (see Carnivorous	
CAVES:				plants)	
fauna	220	Letters to the Editor:		Population growth	12, 392
formation and development	204	J.W. Golding	230	Pottery — New Guinea	168
fossil discoveries	208	Hanns Pacy	231	Prehistory: — Australia	216
history and discovery — Australia	191	Limestone caves: see CAVES		— New Zealand	354
mineralogy	201	Lobsters	302	Pygmy Antechinus	164
speleochronology (dating)	212	Locusts	114		
speleology	196	LORD HOWE ISLAND:		REPTILES:	
use by aborigines	216	birds, extant	64	crocodiles	78
use by modern man	226	extinct	72	banded iguana	144
Cells	129	conservation	74	New Zealand	362
CONSERVATION (Nature): (see also		environment	56	skinks — Australia	428
ENVIRONMENT)		exploitation	74	Rock Painting — Australia	90
in caves	226	fossil turtles	44	Rofaifo people of Papua New	
Lord Howe Island	74	geology	44	Guinea	317
CONSERVATION (Materials):		history	39		
aboriginal rock art	90	invertebrates	60	Satellites	422
aboriginal sites	96	marine life	50	Salt-Making, Papua New Guinea	22
Batavia wreck	292	vegetation	56	Sea Anemones	438
Crocodiles	78	the woodhen	70	Sea Lions — Auckland Islands	6
				Sheep Blowfly	122
Earthquakes — New Zealand	350	MAMMALS:		Skinks — Australia	428
ECOLOGY: see ENVIRONMENT;		Papua New Guinea	317	Slit drums — New Hebrides	278
CONSERVATION		pygmy antechinus	164	Slugs	310
ENVIRONMENT:		sea lions	6	Speleochronology	212
nature trails	382	MARINE LIFE:		Speleology	196
'Once Upon A Time ...' poem	233	anemonefishes	274	Squid	110
Lord Howe Island	56	lobsters	302		
Fire: (see also wildfire)		Lord Howe Island	50	Urban Development	392
controlled burning	154	New Zealand	376		
FJI:		sea anemone	438	VOLCANOES:	
banded iguanas	144	sea lions	6	Australia	136
Botanaviti Frogs	434	squid	110	Lord Howe Island	44
FISH:		MIMICRY:		New Zealand	350
anemonefishes	274	birds	84		
fossils — Antarctic — Devonian	28	fish	324	Warrumbungle Mountains	296
mimicry	324	MINERALOGY:		West Germany — National Parks	
FLORA:		caves	201	system	230
bush gardens	25	MINING:		Wildfire	154
carnivorous plants	1	aboriginal rights	246	Woodhen — Lord Howe Island	70
Lord Howe Island	56	conservation	254		
New Zealand	358	government intervention	250		
		industry	244		