

ECOS

Number 2

November 1974

A better life up north	3
Recycling comes to tanning	10
Ozone comes down to earth	12
Outlook — Getting away from pesticides	19
<i>Spectrum</i> — Checking on a weed-killer — Paper as sheep feed — Stopping the drifting sands — Preserved pine in children's playgrounds — how safe? — Polymer beads <i>versus</i> dead diatoms — A city's climate — before and after	21
Conserving our wetlands and water-birds	25
Back box — INTERSCAN — less noise near airports	32

Ecos describes CSIRO research findings of relevance to our environment. Related findings by other bodies are included where necessary to give perspective to CSIRO work. Stories are based on reports, published research papers, and information obtained by interviewing scientists.

Technical inquiries should be sent to the CSIRO Divisions concerned. All other correspondence should be addressed to: Senior Writer, *Ecos*, P.O. Box 225, Dickson, A.C.T. 2602.

The two quarterlies *Ecos* and *Rural Research* are produced by a writing group in CSIRO's Agricultural and Biological Sciences Branch at Head Office.

Subscriptions to *Ecos*: \$3.00 a year for four copies, post free. Single copies 80c each. Organizations with environmental interests may apply to be placed on our free mailing list.

Writers: Brian Woodruff (senior writer), David Horwood, Brian Lee, Robert Lehane, and James Lumbers.

Editorial assistance: Yvonne Roberts.

Designer: Willem Bloem.

Credits: Ederic Slater, Australian Information Service, John Fairfax and Sons Ltd, and News Ltd. All the other pictures came from the scientists and organizations mentioned in the stories. Cartoons by John Wedlick.

Front cover: Newman. The iron ore comes from Mt Whaleback in the background.

Around CSIRO's Divisions

Agro-industrial Research Unit
P.O. Box 1666, Canberra City,
A.C.T. 2601.
46 4911

Animal Genetics
P.O. Box 90, Epping, N.S.W. 2121.
Sydney 88 0221

Animal Health
Private Bag No. 1, Parkville, Vic. 3052.
Melbourne 347 2311

Animal Physiology
P.O. Box 239, Blacktown, N.S.W. 2148.
Sydney 631 8022

Applied Geomechanics
P.O. Box 54, Mt Waverley, Vic. 3149.
Melbourne 232 6111

Applied Organic Chemistry
P.O. Box 4331, Melbourne, Vic. 3001.
64 0251

Atmospheric Physics
P.O. Box 77, Mordialloc, Vic. 3195.
Melbourne 90 6333

Building Research
P.O. Box 56, Highett, Vic. 3190.
Melbourne 95 0333

Chemical Engineering
P.O. Box 312, Clayton, Vic. 3168.
Melbourne 544 0111

Chemical Physics
P.O. Box 160, Clayton, Vic. 3168.
Melbourne 544 0633

Chemical Technology
P.O. Box 310, South Melbourne,
Vic. 3205.
Melbourne 69 7661

Cloud Physics
P.O. Box 134, Epping, N.S.W. 2121.
Sydney 869 1111

Computing Research
P.O. Box 1800, Canberra City,
A.C.T. 2601.
46 4911

Entomology
P.O. Box 1700, Canberra City,
A.C.T. 2601.
46 4911

Environmental Mechanics
P.O. Box 821, Canberra City,
A.C.T. 2601.
46 4911

Fisheries and Oceanography
P.O. Box 21, Cronulla, N.S.W. 2230.
Sydney 523 6222

Food Research
P.O. Box 52, North Ryde, N.S.W. 2113.
Sydney 888 1333

Horticultural Research
Box 350, G.P.O., Adelaide, S.A. 5001.
79 3605

Irrigation Research
Private Bag, Griffith, N.S.W. 2680.
62 1700

Land Resources Management
Private Bag, Post Office, Wembley,
W.A. 6014.
Perth 87 4233

Land Use Research
P.O. Box 1666, Canberra City,
A.C.T. 2601.
46 4911

Marine Biochemistry Unit
Building A12, University of Sydney,
Sydney, N.S.W. 2006.
660 7506

Mathematical Statistics
Private Bag No. 1, Glen Osmond,
S.A. 5064.
Adelaide 79 3605

Mechanical Engineering
P.O. Box 26, Highett, Vic. 3190.
Melbourne 95 0333

Mineral Chemistry
P.O. Box 124, Port Melbourne,
Vic. 3207.
Melbourne 64 4041

Mineral Physics
P.O. Box 136, North Ryde,
N.S.W. 2113.
Sydney 888 1666

Mineralogy
CSIRO Private Bag, Wembley,
W.A. 6014.
Perth 87 4233

National Measurement Laboratory
University Grounds, City Road,
Chippendale, N.S.W. 2008.
Sydney 660 0566

Nutritional Biochemistry
Kintore Avenue, Adelaide, S.A. 5000.
223 5511

Plant Industry
P.O. Box 1600, Canberra City,
A.C.T. 2601.
46 4911

Protein Chemistry
343 Royal Parade, Parkville, Vic. 3052.
Melbourne 347 5211

Radiophysics
P.O. Box 76, Epping, N.S.W. 2121.
Sydney 869 1111

Soils
Private Bag No. 1, Glen Osmond,
S.A. 5064.
Adelaide 79 3605

Solar Energy Studies Unit
P.O. Box 89, East Melbourne, Vic. 3002.
Melbourne 419 1333

Textile Industry
P.O. Box 21, Belmont, Vic. 3216.
Geelong 43 4377

Textile Physics
'The Hermitage', 338 Blaxland Road,
Ryde, N.S.W. 2112.
Sydney 80 0211

Tribophysics
University of Melbourne, Parkville,
Vic. 3052.
Melbourne 347 1722

Tropical Agronomy
Cunningham Laboratory, Mill Road,
St Lucia, Qld. 4067.
Brisbane 70 7121

Wheat Research Unit
Private Bag, North Ryde, N.S.W. 2113.
Sydney 88 0211

Wildlife Research
P.O. Box 84, Lyneham, A.C.T. 2602.
Canberra 48 7122