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FOREST SCHEMOE LIBRARY DEPARTMENT OF CONSERVATION

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Talk's all community ACTS ON wildlife



WILDLIFE Officers from throughout WA were in Perth recently for their annual conference. (See story page 4). Leon Silvester (left), Geoff Hanley, Alan Shields, Peter Trembath and Les Coyne share a joke during a tea break.

RESERVE

By ALEX ERRINGTON

A JOINT effort involving the local community and CALM has resulted in the enlargement of the Wongamine Nature Reserve.

The area of the Reserve, which is situated 12 km north east of Toodyay, has been increased by 86 ha to about 300 ha.

In September 1985 the Secretary of the Toodyay Naturalists' Club wrote to the Minister suggesting that the Department purchase an area of uncleared bushland immediately to the north of the Reserve.

It was indicated to the Minister that the property on which the uncleared area occurred was for sale and

the Club feared that if the farm was sold the bushland might be cleared by a new

It was the Club's view that this area would be a valuable addition to the Reserve.

Wildlife Officer Laurie Anderson subsequently inspected the area and supported the Club's suggestion.

The area was shown not only to be a natural extension of the existing reserve, but it possessed topographical features and flora species which did not occur in the Reserve.

The Department's Conservation Lands Acquisition Committee agreed that this was a high priority purchase and gave the green light to acquisition negotiations being commenced.

Negotiations were opened with the real estate agents handling the property and agreement was reached on a deal which would result in the property being subdivided and the uncleared area purchased by CALM.

The proposal and the funds were subsequently approved by the Minister, the boundaries of the uncleared area were surveyed, the area subdivided and the uncleared portion added to the Reserve.

The final chapter in this good-news story is that His Excellency the Governor recently approved the whole of the enlarged reserve being classified as Class "A".

Research a priority for DR ANDREW Burbidge won't be giv-

ing up his research work just because he's taken on the top administrative position in CALM's Research Division.

Andrew, recently appointed Divisional Manager Research, said, "I'm a firm believer in continuing research work even if you're in a management position.

"It's assumed you promote your best scientists to be leaders, and if they don't continue doing some research, then you're stopping your best workers from producing new information.

"Also, I think research administrators should do

some research to keep their feet on the ground so they understand the difficulties of doing, interpreting and writing up research." Andrew said the new

research structure will allow scientists to pursue their career within the Division, whereas in the past, some scientists and technical staff had to leave research for administration or operations to move up the ladder.

"Already in place is a

system for people to be

promoted on merit within the Division, where research can be a career with people specialising in this area of work if they wish."

He said he sees the challenges of his job as Chief of Research as the same challenges facing the Research Division as a whole: working to meet the research demands of the Department.

CALM Research was recently reorganised, and Andrew's work in the near

future will focus on setting up the necessary corporate team to direct research.

"The reorganisation set up a corporate team of five people, and only two of those are in place, myself as Divisional Manager and Per Christensen as Senior Principal Research Scien-

tist."

The team is comprised of another SPRS and two Principal Research Scientists, positions that are in the process of being filled. Andrew said he sees no

dichotomy between conservation research and production research

"I use the definition of conservation in the World. National and State Conservation Strategies.

"This involves ensuring the sustainable utilisation of species as well as maintaining and preserving genetic diversity."

He said it was up to the Policy Directorate to define overall priorities for research, not the Research Division

Descent goes off without

THE Large Fire Organisation is proving itself invaluable and adaptable to many situations.

Last year it was used at the Augusta Whale Rescue, and this year at the Avon Descent.

The 1987 Descent went without a hitch from

CALM's point of view. Park Supervisor Ron Waterhouse said the LFO,

complete with CALM control points, a controller, radio operator and sector "helped quite a bosses,

It was the second year that buses were used to shuttle spectators into Walyunga National Park, and the first year that all cars, except for those of support crews, had to park outside the Park.

Ron said 650 cars were parked in a paddock near the entrance, and people bussed into the Park.

"All the Mundaring District staff were called on to work over the weekend, plus backup from Wan-

CALM officers controlled traffic, looked after the spectators and patrolled the Park.

Ron said: "The experience of dealing with so many people was a new one for many of the forest officers, but reports from most of them are that they appreciated the experience and learned quite a bit from it"

Also a first for this year was a display prepared by CALM Publications that was set up in Walyunga for the Descent.

'It was definitely value for money in terms of promoting CALM, and it received quite a bit of interest from people waiting for buses after the race".

He said the same ar-rangements will be in place next year, but that a better system of parking in Avon Valley National Park would be looked into.

NEW MEASURING CVCTTV SISIFM

By DON DAAMS

REVOLU-TIONARY micro photogrammetric system designed for mensuration and mapping from small format (35mm and 70mm) photography recently developed at the Technology Park, is beevaluated by CALM's Mapping Branch.

The evaluation is being done with a view to departmental applications.

The MPS 2 was designed to reduce the complexity, bulk and cost of photogrammetric hardware, and to supplement the requirement for large format, precision cameras.

operation automated by two internal microprocessors and a dedicated numeric data processor

Menu driven software provides a user friendly device for operation directly as a sophisticated system.

The MPS2 is a selfanalytical contained photogrammetric measur-

ing system. A mathematical model is set up in a computer to represent relationships between points in the terrain and images on the photograph.

The application of numerical analysis to the models solves problems relating to lens and film distortions, camera orientation and calibration of the total system.

Photogrammetric measurement can be done using cameras and equipment "off the shelf" The instrument was us-

ed in the following projects while at CALM: Calculation of volume of

woodchips in the pile at Bunbury; Obtaining height mea-surements/bole volumes in plots used in conjunc-

inventory; Plotting changes to lavout at Foresters

tion with a timber

Wood; and Measuring material removed from gravel pits the Mundaring District.

The results of the evaluation will be available after the completion of this last project.



CARTOGRAPHIC Draftsman Mark Laming uses the MPS2 to calculate the volume of woodchips in a pile. The entire system weighs only 10kg, making it easily portable.

From my

MOST of us have recently gone through the annual task of budget preparation.

While it can be a trauma, financial planning is a vital part of our operation, because without the necessary funds — whether to pay wages or to pay for materials — our activities would be very limited, to say the least.

While expenditure can become the main focus in budget preparation, the other side of the ledger revenue — is equally important,

Our Department can be very proud of its past achievements in the area of revenue collections.

In the financial year in which the Department came into being, revenue collections amounted to \$19,865,000.

In its first full financial year (1985/86) revenue collections jumped to \$25,815,000 - a growth of nearly 13 per cent on the previous year and an impressive 65 per cent up on 1985/86.

The preliminary estimate for 1987/88 is \$42,438,000 — a 29 per cent increase over last year and a whopping 114 per cent over the base of 1984/85.

The departmental staff involved in this most impressive result are to be congratulated.

However, we should not become complacent and rest on our laurels.

The raising of revenue is the responsibility of every individual in the Department.

Missing the opportunity to raise additional revenues is as much a shortcoming as wasteful and unnecessary expenditure — the end result is

A recent exercise by Alan Hill, Acting Manager Finance, has documented all known sources of departmental revenue.

This information is available to all members of the Department.

I encourage you to give thought to any untapped sources of revenue and draw them to the attention of your immediate senior officer.

Worthwhile suggestions will certainly be followed up.

SYD SHEA

Executive Director

WITH the recent amendments to the National Park Rangers' Award, many will be wondering who and what will be affected by these changes.

For existing rangers, the changes mean a significantly improved and extended career and pay

Individual pay adjust-ments in the change-over have varied considerably, but all rangers now have better career prospects.

Study, both internal and external, will become a requirement for most

By David Greenhill

ments before being eligible to become rangers.

CALM cadet graduates, who until now have moved into forest field staff jobs, can apply for national park ranger positions and enter the park service at the same salary rate as in either the field staff or wildlife services.

Members of the public stand to gain more from their park visits in the

The Award amendments are geared for improved park operations which will come from betenvironmental management and increased attention to visitor recreation and learning.

For the Department, the Award changes have brought a greater degree of consistency of industrial arrangements and wider opportunities for personnel to choose careers in CALM.

From now on, Forest, Wildlife Protection and Park Ranger staff share the same public service-

based salary scale. The Award changes, effective from March 6, 1987, are a considerable

achievement. Their finalisation virtually completes a list of matters taken onboard for attention by CALM in early 1985.

Since then other improvements such as a fiveday week for rangers, better conditions for mobile rangers and the inclusion of a maintenance-worker category in the Award have also been achieved.

Dave Lejeune retires

specting the work and coor-

In 1955 he left the Working

Plans Office and shared OIC

duties at Manjimup with

In 1957, he was put in charge

"After the Dwellingup fire in

of Kirup, where he developed

the first winter burning pro-

'61, I had great fears about fire

getting into pine plantations,

and thought the only way to

control it would be through

prescribed burning," Dave

been done in Australia, as far

"It was the first time it had

"At the time, we were losing

gramme under pines.

dinating the teams.

Barney White.

By COLLEEN-HENRY HALL

that Dave Lejeune, Northern Region's Regional Operations, Leader became a forester.

Having grown up on a station 500 miles from Perth, with not a tree in sight, Dave developed a deep attraction to the forest.

He recently retired from the Department after almost 40 years of service.

"The life of a forester is excellent, particularly in the early stages of your career, when you're not, say, sitting in a chair at Como making political decisions," Dave said.

He started as a forest officer in March 1948 in Manjimup, straight out of Forestry School at Canberra.

"Gordon Styles was there, and at 15-years of age he was widely considered the best truck driver in the district," said

"The police knew how old

IT'S not surprising he was and they didn't worry

progress up the range, and

a certificate course is now

being designed, with an

accreditation system for

those already qualified in

The training plan will

equip present and future

rangers for a more demanding role and

should also mean greater

service will have two more

years to meet both park

work and training require-

Trainees entering the

some subjects.

job satisfaction.

about it." Dave also did land inspections, road location ("I've probably located hundreds of kilometres of roads in the southwest, with axe and compass''), and surveying.

In 1949 Dave was promoted to ADFO and in 1950 was transferred to Head Office Research Branch in Perth where he supervised clerical officers and collated hardwood timber assessments.

In 1952, he was transferred to Dwellingup, which then included all of Jarrahdale District.

In 1954, it was back to Manjimup, where he helped set up the first Working Plans Office, now known as Inventory.

"I had assessment teams working for me all over the region, headed by Barney White, Alan Hill, Don Grace, Steve Quain, and Ed Springle." Dave toured the country inone metropolitan plantation

as I know.

after another to fire and the burning programme saved us from losing them all, there's no doubt about that." While at Kirup, Dave was in-

volved in the early development of the Blackwood Valley plantation and the expansion of

In 1963, he was appointed Senior District Forest Officer of Kirup, Nannup and Busselton and in 1964 reclassified to Inspector.

He was transferred briefly to Busselton in 1966 before heading to Wanneroo in 1967 to look after a big expansion of pine planting involving up to

1000ha a year. While there, the Wanneroo District came up with a number of innovations including automatic supering, the tractor saw, and the mound plow.

Dave came to Como in 1981

as regional leader operations, a position he has held ever since.

His duties have included supervising protection, planning, planting, maintaining and harvesting hardwood and softwood; nursery operation; hardwood sawmilling operations and hardwood silviculture.

Now relieved of that tremendous workload, Dave is going on an ocean cruise, with plans to plant Christmas trees on his Banjup property sometime in the near future.

DENMARK RESEARCH **PROJECT**

CALM Minister Barry Hodge recently announced

a research project which if successful could lead to

major improvements in the quality of water in south-

Wally's brick solid

WALLY DUNNET was slapping on mortar and tapping the mud bricks into place as though he were a professional bricklayer and not a CALM forester, evidence enough that being a forester sometimes has nothing to do with trees.

Wally and Colin Griffiths, Pemberton District, were building the mud brick toilet at Big Brook Reservoir re-

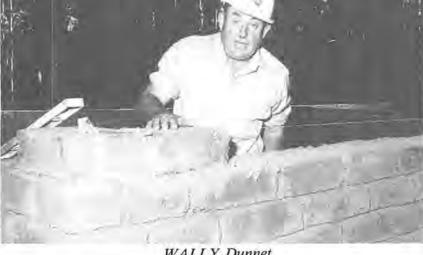
Since then, work at the reservoir has been progressing well, with the toilet now completed with overseer John West's help and tables and barbeques to go in next.

Wally started out in forestry driving a tractor at the Pemberton mill in 1950.

He moved to the pine mill at Pimelia in 1952, where he worked for 13 years.

When the pine mill was shifted to Pemberton, Wally moved with it and then ran it for the next five years. In 1965 he came to work for the Department at Pem-

berton, where he has remained throughout his career. Wally is still a few years away from retirement and enjoying his job as much as he ever did.



WALLY Dunnet

STAFF NEW

Cam Schuster Wins P.S. place

Schuster (S.D.F.O.) has been selected to participate in the Public Service Board's "Executive Development Year 1987-88".

Cam left on secondment in July. He will experience different work placements and attend development courses aimed at improving each trainee's confidence, knowledge, flexibility and management skills.

New Appointments

New staff are Greg Kelly, Forest Ranger (Admin) at Bunbury; Shann Low, previously with Westrail and now Forest Ranger (Admin) at Nannup; Therese Hughes, Computer Systems Officer, Como who joined us from the Water Authority.

Promotions Hugh Campbell to Inventory Manager,

Branch (Como); Rick Sneeuwjagt to Principal Fire Officer, Protection Branch (Como); Ian Frame to Accountant (Como); Chris Muller to Senior Fire Officer (Bunbury).

Drew Haswell to Regional Manager, Metro-politan Region (Murdoch House); Karl Kelers to Deputy Regional Manager, Central Forest Region, (Bunbury); Alan Lush to Deputy Regional Manager, Southern Forest Region (Manjimup).

At Como, Tom Wood, Personnel Branch, is now a Regional Forester and Dianne Knight, Records Branch a Senior Clerk.

Terry Hales gained the Park Supervisor's position at Wanneroo, Chris Hart became the Ranger-in-Charge at Fitzgerald River National Park and Kevin Holmwood is now Rangerin-Charge, Kalamunda/ Lesmurdie National Park.

Transfers During July, Kevin Vear transferred from Dwellingup to the position of Regional Leader (Operations) at Manjimup; former Busselton District Manager, Dennis Hilder joined the Environmental Protection Branch at Como; and Alan Briggs moved from Wanneroo to become Regional Leader

(Planning) at Kelmscott. Gavin Butcher, previously with Environmental Protection is now District Manager at Mundaring.

Other July moves were John Ipsen, from Bus-selton to Manjimup; Grant Lamb, Harvey to Jarrah-dale; Ian Old, Yanchep to Wanneroo; and Craig Gardiner, Jarrahdale to Нагуеу.

Les Hayden left the Department last month after 11 years as Forest Ranger; Dave Lejeune leaves after 39 years of service.

Dave Rowe, Assistant

Forester, Busselton, also

retires this month.
David "Taffy" Davies
leaves the National Park Service after 13 years as a Ranger. Taffy began at Matilda Bay before changing to the East Perth Cemetery.

CALM Entomologist Dr Ian Abbott travelled to the Eastern States in May after receiving a grant from the Australian Academy of Science. Ian was awarded the Mr Jacobs

Memorial Fund Grant, which is open to all scientists in the field of forestry.

In the 20-day trip, he discussed forest entomology with more than 40 scientists, gathered information on distribution and taxonomy from the Australian National Insect Collection, inspected stands of trees damaged by insects, and investigated the construction and efficient operation of forest insectaries, particularly the culturing of insects for biological control.

Ian combined the Jacobs grant with a

CALM-funded visit to Gympie for the biennial conference of forest entomol-

cial tree crops.

He gave a seminar on insect problems of the jarrah forest at Armidale (UNE Zoology), Sydney (Forestry Commission), Canberra (CSIRO Forest Research) and Adelaide (Waite Institute of Agricultural Research, Entomology).

He also visited CSIRO Entomology, Canberra; Riverina-Murray Institute of Higher Education, Wagga Wagga; Department of Conservation, Forests and Land and CSIRO Division of Chemical and Wood Technology, both in Melbourne, and the South Australian Museum, Adelaide.

by improved crop production and drainage, salination would decrease. He stressed that any sys-

water to the region if the tem which was developed high salinity levels can be must ensure the farmers' long-term future. Mr Hodge said that clearing of land in the area That is why the Department of Agriculture, CALM and Water Authorifor agriculture was the cause of the salination, and rking closely with local farmers.

The project is centred on the Denmark River catch-

ment, which has the poten-

tial to be a major source of

west rivers.

desirable levels. The project was aimed at determining if salination could be reversed by the introduction of new drainage and cropping techniques developed by the Department of Agriculture and the

although this had been

strictly controlled since 1979, salinity still exceeded

Mr Hodge said that scientists established that if excess water passing into the saline groundwater system of southwestern catchments could be mimimised

ments throughout the south-west. Mr Hodge said that the success of Department of

Mr Hodge said that the

most exciting aspect of the

study was that it offered the

possibility of reducing salin-

ity of water supplies while

still maintaining and even

He said the scheme could

improving farm income.

Conservation and Lan Management's Softwood Sharefarming Scheme in the lower south-west, which so far had resulted in the establishment of 600ha of pines in cooperation with farmers, was also another reason why he was optimistic.

He said the establishment of commercial trees on farms would not only provide added income for farmers, but it would also improve the environment for wildlife.

If the scheme proved to be successful it would lead to a general improvement in farm productivity and water quality in south-west catchments.



ROGER and Ellen Underwood (left) and Ron and Ethel Giles were on hand for the official opening of Lol Gray Tree recently.

HISTORIC LOL GRAY LOOKOUT RESTORED

As young foresters in the Southern Forest, both Roger Underwood and Jack Bradshaw worked in fire lookout trees.

Perched aton the karri Narrogin Overseer Ron Roger said: "We cheat-Narrogin Overseer Ron Giles remembers the tree

well because his mother was

the lookout for many years.

their wives Ellen and Sue,

spent several weekends and

holidays on the project, for which CALM supplied the

materials.

Roger and Jack, and

Perched atop the karri forest for hours at a time, their imaginations were captured by the men who had made these lookouts.

So when they came across Lol Gray Tree, an abandoned lookout tree in the Dryandra Forest a couple of years ago while on holidays with their families, they decided to restore the tree to its former working

Roger had seen a photograph of the tree shortly before and they worked from

The Powderback Wandoo is much shorter than the surrounding vegetation, which has grown up in the years since the 1930s when it was in use, but Lol Gray Tree is still impressive as a piece of history.

"LEAVES from the

lives of West Australian

foresters" would sit com-

fortably on a bookshelf in

vignettes, anecdotes, yarns and biographical snippets has any

literary pretentions or sets out

to give an historical account of

I don't think that was the

Mr Underwood, it seems,

wanted to record the memories

and experiences of his and his

fellow foresters, but I wonder

if he thought about the col-

lected impact of "Leaves from

As I read these stories I was

struck by the unmistakable sense of history, as foresters developed a major industry and

managed the forest to sustain

The history comes through

those people whose lives are in-

trinsically woven into forestry,

like Geoff Chandler's "great

forestry in this State.

editor's intention.

the Forest"

that industry.

"Stories from the

Forest".

CALM News is the Department of Conservation and Land Management's monthly staff We hope you will become involved in its

publication by sending articles (up to 400 words), letters, photographs (with captions), minutes from meetings and items of interest to: Colleen Henry-Hall.

Department Conservation and Land Management Como WA 6152 - phone 367 0333 ext

EDITOR: Richard Grant 386 8811.

Hardwood research seminar . . . COMPUTER MODELS, PROCESSING TOPICS

AN expert in the sawmilling of regrowth hardwood shared his research findings with CALM officers and members of the WA timber industry recently.

Gary Waugh, from the CSIRO's Division of Chemical and Wood Technology, is developing mathematical computer models for sawmilling regrowth hardwood.

He discussed the processing of small eucalypt logs, which pose many problems to sawmillers.

The Manager of the Wood Utilisation Research Centre, Phil Shedley, said:

"We need to know how to overcome these problems most efficiently, which includes developing the right

equipment at the Wood Utilisation Research Centre at Harvey.'

Principal Research Scientist Graeme Siemon said: "With the increasing volume of regrowth hardwood on the market, it was important to hear from an expert on the subject.'

Gary was taken to the Harvey research centre and shown the work that is being done there.

The seminar was also a forum for Dr John Davis, Senior Lecturer at the Chisholm Institute of Tech-

nology and recipient of the 1986 travel award from the Gottstein Trust Fund and the Institute of Wood

John has developed a method for internally scanning timber for defects with computerised tomography.
Computerised tomography enables quantitative three-dimension image for-

three-dimension image formations to be obtained from solid objects using either x-ray or gamma radi-ation, and can locate defects in timber, for example in power transmission

Foresters Wood plantings

THE first major planting at foresters Wood saw about 3000 trees of 23 native species go into the ground.

About 100 people — CALM staff, IFA members and their families, gathered for the two-day event, and despite the rain and hail had a good time.

Foresters Wood, near Manjimup, was established by the WA division of the Institute of Foresters in dedication to famous trees of commerce, culture, legend and

The Wood, which was opened in 1985, will be a place for visitors to learn about the trees that have helped to shape civilisation, and experience the atmosphere of a variety of different forests, each with its own special quality.

The Wood is located on an old tobacco farm, owned by CALM and leased to

Future plantings will see Western Red Cedar, Apple, Sequoia, Lodge Pole Pine, Willow, Plane Tree, Douglas Fir, Sugar Maple and Yew go into the Wood.

neroo District was an occasion that called for a wake, complete with forester Ian Old as master of ceremonies in long, black cape and top hat.

Wanneroo District staff, some appropriately dressed for mourning, gathered at P87, north of Yanchep National Park, where the last pine seedling in the Wanneroo District had been put into the ground recently.

The audience heard from three people who have had a long involvement with pine planting there: Dave Lejeune, former Regional Leader, Operations for Northern Region; Ted Cracknell, Wanneroo District Forester, Operations; and Ted Hadrell, Overseer at Yanchep.

A tiny pine coffin, crafted by District Carpenter Ken Hanson, was carried by four pall bearers to a site at the edge of the plantation.

Inside were 14 pine seedlings, which were planted by various people who have been associated with the pine plant-

Dave Lejeune, Ted Cracknell, Ted Hadrell, Sam Cappiello (who has planted pines in the district for 19 years, or "from Perth to Sydney and back again"), Joe Havel, Karen Hayman, Wanneroo Clerical Officer, Roger Hearn (in Dick Perry's place, who couldn't attend the ceremonies), Peter Staley, former District Forester at Wanneroo, and Mick Law, Wanneroo Forester, were a few of the planters.



* Promote jarrah as a fine furniture timber in Europe through displays at furniture fairs;

* Strengthen education courses for design and manufacture of furniture;

A FIVE-YEAR strate-

gy prepared by the Guild

of Furniture Manufac-

turers, the Forest Products Association, CALM and the Depart-

ment of Industrial De-

velopment would aid the

development of the ex-

port market for jarrah

This is the recommendation

of CALM's Inspector Utili-

sation Hardwood, Phil

Phil and senior members

Guild and the Italian/Australian Businessman's Association. Phil said the strategy

plan should include the fol-

lowing points:

the WA furniture manufacturing industry have recently returned from a study tour of Europe and Singapore organised by the

furniture.

Shedley

* Provide facilities for the testing of materials, finishes, joints and complete fur-

niture items; ★ Expand research into jarrah and karri veneer production and application by modifying techniques developed for other species;

* Cooperate fully with Austrade offices in Milan and Frankfurt for the pro-motion of WA Timbers;

* Encourage manufacturers to visit recognised international

Phil said: "We didn't find anyone who knew what jarrah was and we need to maintain a promotion campaign if we're going to get into the European

"I was most impressed with the efficiency of the Italian furniture industry, which imports most of its timber and exports most of its products.

"We can't expect to sell timber into these markets without marketing and creating an image and, I believe, that the Glovernment, as the principal grower of jarrah and seller of jarrah, should be involved in this promotion.'

Awards

THE Trustees of the Lane Poole Memorial Trust have decided to make two awards available to CALM staff for 1987-88.

Last year awards were given to Tony Brandis and Gerard Van Didden.

Nominations will be called for in the next few weeks.

For further information, contact Paul Jones on



wake was Ian Old.

Foresters' memories in print By RICHARD GRANT

the company of Albert Facey's "A Fortunate Life", a collection of Henry Lawson's short stories and triumvirate: Kessell, Stoate and Shedley , as well as those nameless accountants, lawyers

Bedford "Dis Willeys Jeep an These individ the "New History of Western Australia". and farmers who were forced take up an axe during the It's not that this collection of 1930's depression.

> There are those unique in-dividuals, like Conservator Stoate, as described by Dave Lejeune, who was equally capable at "swamping" for a dozer driver building a fire-line as he was in carrying out the research for which he was well known.

The history also comes through the various places where the writers worked, the jobs they did, the huts and tents they lived in and shared, as well their ingenuity and resourcefulness, their toughness and independence.

While there is no chronological order to the stories, you can trace the evolution of transport in the bush, from Dick Perry's horse Ginger, to the motorcycle and the much hated sidecar (especially by Bruce Beggs), to the utility like Phil Barrnett's Willeys Jeep and the aeroplane.

ed a bit, because the origi-

nal platform was out of

hand-hewn wandoo, the

bolt holes were made with

These individual recollections and experiences of "Leaves from the Forest" capture the nuance of the Australian bush the hardship and mateship.

The hardship is depicted in personal struggles, like Joe Havel's story which relates the difficulties he faced in becoming a forester, and that of Jack Bradshaw's young chainman, ". . . his compass, hagameter and end of the chain held high above his head, standing up to his armpits in the icy, black waters of the Treen Brook".

Despite the hardship there is no bitterness. Joe's diction indicates his love for the bush — "glorious days", "glorious bush" — and its not surprising that he achieved his goal and became a highly respected forester.

Alongside the history and the hardship is the life: this bubbles away on every page and spills over to flavour the whole publication.

Take Peter Hewett's pen pic-

ture of the hard drinking, hard working, larger-than-life George Wally Marshall Nunn, a man who had a profound impact on forestry in the South West.

Nunn, it seems, was a refined man who could savour the delights of freshly sprung mushrooms cooked in the bush one at a time in his cigarette tin in the butter scraped from the author's sandwiches; and wallow in his own self pity well into his second bottle of scotch.

Book Review

trics like the fellow who walked out of the darkness at 2am one morning, approached a couple of weary fire fighters in Len Talbot and Jack Rate and offered them a "snort". Considering the place and

the circumstances, Len and Jack were poured a glass of scotch and water with the type of service often missing in our better class restaurants.

Because the fire fighters had

no objection he poured himself one before disappearing once again into the darkness

That character would be at home in a Henry Lawson story, as would the fellow recruited for fire fighting duties and fronted — "the worse for wear" — with a waterbag filled with six bottles of Penfolds port and a gallon of water.

The recruit didn't last long, and in the company of thirsty fire fighters neither did his waterbag".

Len Talbot's recollection of like his malapropisms will endure as long as Mrs Malaprop after whom that delightful quirk in our language is named

Being about the bush and bush characters, humour per bush characters, humour per-vades throughout. Stories like Dick Perry's "The Missing Melon Mystery", incidents like Biddy (the horse) pinning Harry Smith's foot to the ground, and the coloquial language that is sprinkled

throughout the pages enrich this publication.

While talking about humour, the unforgettable Anthony Edgerton-Green, Esq. recalled (or perhaps created) in Bob Chandler's "Flying Foresters" (or "Retch for the Sky") -

Can you imagine the response of the ex-squadron leader and World War II Spitfire pilot who was over the jarrah forest mapping dieback when he was buzzed by an F111?

Bob Chandler recalls: "With bristling handlebar moustache and livid countenance there came "cheeky young bastards" . . I think I noticed his thumb repeatedly pressing the top of the control column in an instinctively remembered but

Roger Underwood has expressed concern that "Leaves from the Forest" might not appeal to the non forester. I don't think he has to worry about

This enterprising publication the cost of printing being covered by a IFA grant and

these incidents, and his memory frustrated response" of the "quaint speech mannerisms or turns of language" Then there were the eccen-

personal donations — can be bought from Paul Jones at Crawley for \$12.50.

But hurry, there's only 1000 copies in print.



Herpetologist Brian Bush holds the front half of this harmless python while Alex Errington handles the back. Wildlife officers gathered round for Brian's talk on handling snakes.

CALM's Wildlife Officers came from Statewide recently for their annual

It was a chance to meet old friends, swap stories and give advice.

Many of the officers found particularly helpful the two days during which each discussed what was going on in his

Wongan Hills Wildlife Officer Rob Coughran said the sessions were a good way to catch up on what was happening with other officers, and also learn from similar experiences.

The officers spent two days at Como, then went to Marmion Marine Park, Atlantis and ended the week at the Wildlife Research Centre at Woodvale.

Shelter recalls whale rescue

AN information kiosk commemorating last year's rescue of 96 false killer whales near Augusta, was opened on Saturday, August 1, by CALM Minister Barry Hodge.

The information shelter overlooks the rescue site. At Flinders Bay a year

ago, hundreds of people combined their efforts to return the stranded whales to the sea.

Construction costs, estimated to be more than \$7,000, were met in part by community donations and volunteer labour.

CALM made up the balance of the costs, in light of the local community's obvious concern for conservation matters.

The anniversary of last year's rescue was a memorable occasion for the people of Augusta.

Highlights of the day included a community picnic, children's games, a display of rescue memorabilia and the screening of a film about the rescue at the Augusta Civic Centre.

A local band performed a song written especially to commemorate the event.

Mr Hodge said he was very proud of the fact that his department was involved in one of the most successful rescues of stranded whales in the world to date.

The information shelter was designed by CALM, contains and display photographic panels: The Augusta Whale Rescue; Care of Stranded Whales and Dolphins; Wanderers of the Ocean Wilderness; and Watching for Whales and Dolphins.

The Commonwealth Government has also recognised the rescue

The Commonwealth had already financed the rescue equipment used at Augusta last year.

Since then Canberra has provided an extra \$3,200 to buy a third mobile whale rescue kit to be deployed on the South Coast.

THE theory of continental drift has been conclusively proven with a major southward shift of the Kimberley

The evidence appears in the July issue of CALM News, where a story about the first aerial burning in the Kimberley has a headline proclaiming it took place in the Pilbara.

Apologies to all the Kimberley folks. Regional Manager Chris Done says the original burn was followed a few weeks later by a second burn, at Drysdale River National

"Results were encouraging enough for us to plan further burns next year," he said.

ACCIDENT-FREE AWARDS

GREENOUGH-Region Gascovne qualified for two years of lost time accidentfree in March.

The 19 staff and employees received their awards in Geraldton, and they now have rechargeable torches to show for their efforts.

Executive Director Dr Syd Shea had a busy two days scheduled for the visit with side trips for meetings at Kalbarri and the Abrolhos Islands.

After the presentation visitors and staff all helped to tuck away a delightful meal prepared by Mrs

Syd also presented Regional Manager Geoff Mercer with a Safety Achievement Certificate from the Industrial Foundation for Accident Preve ...on.

Increases in staff numbers in the South Coast Region have shifted the egion into the group that can qualify each year for the Executive Director's Personal Awards.

By TOM WOOD

In March the 39 staff and employees had worked one year without a lost time accident.

Svd attended a regional dinner at Esperance and the following morning he presented each member of the region with rechargeable torch.

Regional Acting Manager Hugh Chevis also accepted on behalf of the Region a Safety Achievement certificate from

By TOM WOOD

NEWS about our successful Occupational Health, Safety and Welfare programme keeps spreading in WA and even the Eastern States.

The safety personnel of a number of WA Government departments have recently visited Safety Branch to learn about our computer-based accident recording and statistics programme, accident investigation and reporting manual and our chemical users manual.

The Forest Commission of NSW sent their senior safety officer to Perth for a week's complete briefing on how and why our programme is so successful.

The Industrial Foundation for Accident Prevention invited Safety Branch to attend a safety practitioners' course being held for 12 personnel in the Office of Redeployment to give a lecture on our safety programme.

Our counterparts in other organisations are amazed at the management support and the widespread acceptance

I am sure that a number of us don't realise how lucky we are to have such a complete safety programme.

PENGUIN ISLAND PLAN INCLUDES MARINE PARK

By DREW HASWELL

PENGUIN ISLAND has been subject to varying degrees of public use for most of this century.

The first occupant, Seaforth" McKenzie, lived on the island between 1918 and 1926 and made his house in an excavated limestone cave, the rem-nants of which can be seen on the north end of the

The island has been administered by a range of boards for a variety of land uses, including the Rockingham Road Board, the State Gardens Board, and eventually the National Parks Board, when Penguin Island was gazetted an A class reserve in 1966.

A lease was given to Penguin Island Pty Ltd un-1995, and the leaseholders upgraded accommodation, built a meeting hall and caretaker's residence, public toilets and a \$20,000

Ferry access to the island was provided by the leasee, however, many people continued to get to the island by walking across the shallow sandbar.

Because of the largely uncontrolled public use of Penguin Island and the recommendations of the System 6 Study reports of 1981 and 1983, which reemphasised the island's high conservation values, the Department negotiated with the company for an early termination of the

lease.
The company agreed, for appropriate compensa-tion, and the Metropolitan Region acquired the island in its entirety on 2 August

Predictably there was much public debate in the "takeover". media

Some people saw it as a 'victory' for penguins.

Others who have used the island for many years as a holiday resort were, of course, complimentary.

Land and water use of Penguin Island will now change direction in line with the State's strategy for conservation.

A CALM Act management plan will soon be prepared, coordinated by Marine Biologist Greg Pobar (Metro Region) with assistance from Nick Klomp (consultant from Murdoch University) and Planning Branch staff.

The management plan will address the issues of conservation management, the direction(s) of wildlife research, public education, information and interpretation and the promotion of tourism and commercial operations.

Penguin Island is also the focal point of the pro- of the holiday settlements.

posed Marine Park (Rockingham) and the plan will need to consider management of Penguin Island in the wider context of the Marine Park.

In the interim, the Metropolitan Region has organised a privately run ferry service so the public and tour operators can still go to the island; a full-time caretaker will soon be based there too.

The immediate tasks are to prepare the island for day-use visitors only, secure property and upgrade services such as gas and water.

Supervising Ranger Jim Maher regularly visits the island undertaking public education and media responsibilities and, where necessary policing public misuse.

Over recent years the numbers of silver gulls nesting on Penguin Island has increased dramatically probably because of the existence of the nearby Rockingham rubbish tip.

Their constant noise and vigorous use of nesting sites has undoubtedly displaced most seabirds from the island.

Not so the Little Penguin (Eudyptula minor) which found refuge in has numerous locations, including under the flooring

The new rehabilitation

The third objective is to

long-term

better integrate CALM and

"For example, we have the opportunity to utilise

the waste timber cleared

from mine sites more pro-

ductively for firewood or charcoal", Warren said.

Development of a long-

term planning process will

occur in the third year of

"I will be relying heavi

ly on people throughout CALM for input

CALM for input throughout this project",

Alcoa's

planning.

the project.

schedule will be in place for

the next planting season.

OFFICERS

By DAVID **HAMPTON**

MR XU JUN and Mr Meng Sha, officers of the Ministry of Forestry, People's Republic of China, are in Australia for six months as guests of the Australian National Parks and Wildlife Service.

Before coming here, they took a gruelling six-month English speaking course in China, from 8am to 10.30pm for six days a week (forget the flexitime sheets).

They arrived without an interpreter to battle Australian slang, bureaucratic abbreviations (ANPWS?), a plethora of scientific names for flora and fauna, and a bevy of unpronouncable place names

CALM hosted the visitors for eight days in early July.

After meeting Syd Shea, their itinerary included wildflower and State cultivation trade, with a trip to the large Waldeck's wildflower farm at Coorow.

They were also briefed n the Department's management of conservation areas by Parks and Reserves Officer Ian Herford and discussed the planning process with Planning Branch Manager Jim Williamson.

China has a daunting task in managing its wildlife; the species include beautiful and exciting

There are many members of the cat family, including three subspecies of tiger leopards, and the rare snow leopard.

They also have members of the bear family and the Giant Panda, symbol of the World Wildlife Fund.

Both Xu and Meng had good command of spoken English, however, a great effort was required of hem to concentrate and converse throughout the day and the informal nightime engagements.

They were happy to eat all Australian food but drew the line at fast food tucker (what is Chinese for

GEAST BALLSDUP NURSERY ROOPAW, HAVE YOU BEEN COLLECTING SEED FROM THE GLOUCESTER TREE AGAIN ?

Dieback control in mining operations By COLLEEN HENRY-HALL

HOW dieback can be controlled during mining operations, how the land is rehabilitated and how CALM and Alcoa can work together to better mesh their respective long-term land uses are issues that face CALM's new Bauxite Planning Liaison Officer, Warren Tacey.

Before starting his threeyear contract with CALM in mid-March, Warren was an environmental consultant for Dames and Moore and before that with Alcoa. He is based at

Kelmscott. One of his objectives is to develop working ar-rangements for dieback mining tenements.

Warren said that in mid-1986, CALM asked Alcoa to "rethink" their mining strategy because a number of problems were being encountered; for example, mining operations were coming closer and closer to Lane-Poole

CALM agreed that Alcoa should go north and

Warren said CALM realised more work needed to be done on dieback control in mining and he is now developing working arrangements which should be in place by the end of the year.

"These arrangements are being modelled on those being successfully applied to the timber industry," he

said.
"But the timber industry and the mining industry are very different, so dieback control for the two areas will also have to be different. "The timber prescrip-

tion is based on a concept of hygiene, which involves keeping the disease out.

because, for example, we

volves coordinating the ex-"The mining prescrip-tion, in addition to hygiene, will rely on containment and control

have more opportunity to control water run-off." people in CALM and from

Warren prescription will fit in to the Seven Way Test. The primary objectives

of dieback control are to revent the introduction of dieback into uninfected forest; to prevent conditions favouring the intensification of the disease in uninfected forest; and to control dieback so rehabilitated areas will provide merchantable timber and good water.

Warren will take the results of a recent joint workshop with Alcoa to CALM senior managers and develop a framework and set of working arrangements for dieback control from there.

Another facet of Warren's job will be to more precisely specify rehabilita-

tion objectives. He said, "It's time we made a decision about what we want to produce in these rehabilitated areas.

"Jarrah is preferred because it is part of the existing environment, we know people buy it and the

high value timber products as required by the draft Timber Production Strategy." Work in this area in-

isting information and resources within the Department, Warren said. He emphasised that it was a real team effort rely-

ing on the skills of many

management for it is already in place. "Jarrah is the obvious species because it grew there before, and it yields