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paradise

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Welcome aboard

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PO Box 1267
Port Moresby 121
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Tel: (675) 3217986
Fax: (675) 3214375
Email: delta@daltron.com.pg

Paradise Magazine
55 Cassowary Drive
Burleigh Waters Qld 4220
Australia
Tel/Fax: (61) 7 55 200101
Email: pixie@onthenet.com.au

Publisher: Sir Mekere Morauta
Editor: Roslyn Morauta
Production: Dianne McInnes
Editorial Board Member:
Eva Arni (Air Niugini)

Contact the Port Moresby office for:

Subscriptions:
Marie Manumanua
(675) 3212163

Advertising:
Mona Weana
(675) 3212163

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Cover: *Child from Lido village (Vanimo) showing off his surfing skills*

Photograph: *John Rei*

Air Niugini's new schedule includes direct flights to Sydney from Port Moresby twice a week with direct connecting flights to and from Madang, Lae and Rabaul, allowing weekend holidays in these destinations for Sydney visitors. Brisbane continues to be linked to Port Moresby three times a week, Singapore twice and Manila once.

Additional scheduling initiatives planned are the introduction of direct flights from Cairns to Alotau and Port Moresby to Darwin.

Air Niugini is evaluating a weekly Port Moresby to Japan service to commence during August. This would initially be direct to Kansai airport, Osaka and, in mid 2002 to Narita airport Tokyo. Air freight would be a major revenue source for this service as the demand for direct services to Japan to carry tuna exports from Papua New Guinea continues to grow.

These new services will be scheduled to allow connections at Port Moresby to other ports on the Air Niugini network. For example passengers now can fly Brisbane to Manila and vice versa through Port Moresby and the proposed Japan service would provide convenient connections to Cairns, Honiara and Sydney.

Such innovative schedules become the basis upon which Air Niugini is building expanded marketing efforts. These are focused on bringing more visitors to Papua New Guinea to show the wide range of attractions in our country.

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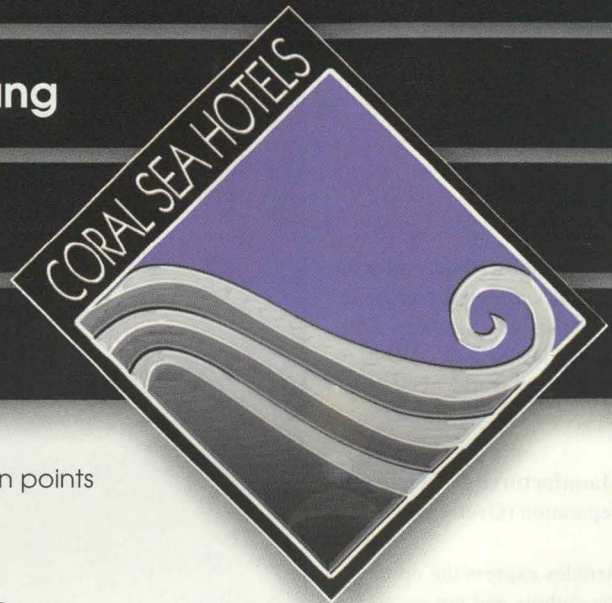
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Surfing



Story and photographs by John Rei

Standing on the reefs and watching the waves build up and crash down, the first thought in one's mind is the danger of swimming out that far. Little do we realize that these waves that build up to three metres can actually be tourist-attractions for the adventure surfer.

Recently a group of four Australian professional surfers came on an invitation from the PNG Tourism Promotion Authority to explore the majestic coastlines of the country and assess their potential for surfing. The surfers — Andy King, Grant Hudson, Darren O'Rafferty and Paul Evans — were accompanied by Australia's Surf photographer of the year, Ted Grambeau and editor of Australian Surfing Life Magazine, Andrew Ferral. The boys, anxious to get straight into the water, arrived in Port Moresby on Air Niugini's Brisbane flight, with a mountain of baggage — they carried four boards each.

The first stop was Madang. Believe it or not, Madang does have the right kind of waves to get going on when the time is right. The team's local surf guide was James Cassell, who does a fair bit of surfing along the Bogia coast. During our research for the trip, James was identified as the best person to assist in getting the team to the right places at the right time. And he did a good job of it.

Local Port Moresby based surfers Mark Vele and Peter Aitsi, and a television cameraman Tapusi Kone of EMTV, joined the team in Madang.

To get to Ulungan Point demanded an early rise at 5am as the trip took close to an hour and a half along the picturesque North Coast road past Bogia. Each surfer took at least two boards out for the day in case a board broke or sea conditions necessitated a different board.

Photo above: Andrew King of Sydney's Bondi Beach barrelling through a wave tunnel in Madang



The Bogia surf

For those of us who did not surf, it was live entertainment as these young lads took off on the waves with speeds up to 30–40 kilometres an hour, and did aerial moves on the tip of the waves. The surf was mainly a left-hander in Madang, which basically means the surf starts from the right and moves towards the left. When the surfers take off, they try to stay ahead of the wash and breaking white water until the wave is ridden out.

After clocking three awesome days of surfing the Bogia coast, the team headed for Wewak to find more waves at Moem Point, Forok Beach and Karasau Island. Arrival at Boram airport was to a wet welcome which basically drove the surfers crazy, as they really wanted to get into the salt water the minute they arrived.

Next morning was similar as the crew boarded two banana boats and zoomed out to catch the waves around Karasau and the neighbouring islands. The ride out was shivering cold as the rain poured down. But that did not deter the boys from their mission. Darren O'Rafferty, who is sponsored by Rip Curl clothing, is really skilled in doing aerial moves and was excited to try the huge waves that are common at Ramoin Point.

With constant rain and wind, our hopes of catching good waves were beginning to wear away and we settled into the hull of the banana boats for a snooze. Suddenly, the boat operator exclaimed, *Lukim Dugong yah!* All the boys jumped up. There it was, a dugong surfacing several metres from the boat. Another surprise — several hundred metres towards the shore was a giant turtle swimming in a relaxed manner in an easterly direction. Michael, the dinghy operator turned the boat and ran alongside the humble giant, but it quickly faded into the ocean upon sensing our arrival.

As soon as the boat reached Ramoin Point, we got straight into the waves, as the journey had taken two hours because of poor visibility and bad weather. It was a left-hander and the boys ripped into it like they had been starved from surfing for a month. Young Paul Evans was doing the aerials this time. The Point quickly packed with locals from the village, most climbing trees to get a good view. The cheering and chanting were non-stop as the boys did free styles and leaped into the air with their boards. As the chanting went on, *Yellow* become the main cheer word. The man to watch was Andy King who stole the show by rising to speeds of up to 50km an hour, doing twists and full circles.



Above: Taking on small waves in Madang

Below: Sometimes getting to a spot may be tricky — the boys make their way through mangroves and across a broken down WWII bridge in Forok village near Wewak.



When the boys got in from the surf, young coconuts and fresh oranges were served. Darren asked how much they cost, but the locals said that they were free as the village was pleased to welcome the visitors. The Council President actually offered to host the boys for the evening, but they were pretty weary and running on reserve strength. The next two days were only good for easy surfing. Ted and Andrew, who were filing for 'Australian Surfing Life Magazine', were quite concerned that it was not going to be a good leg as the weather was not on our side. With the Wewak surf down, the team was anxious to go to Vanimo as the local surfers told us that it was the mecca of great surf and plenty of sunshine.

On this trip we were carrying 24 different pieces of luggage, from television camera equipment to surf boards, all weighing about 350 kilograms.



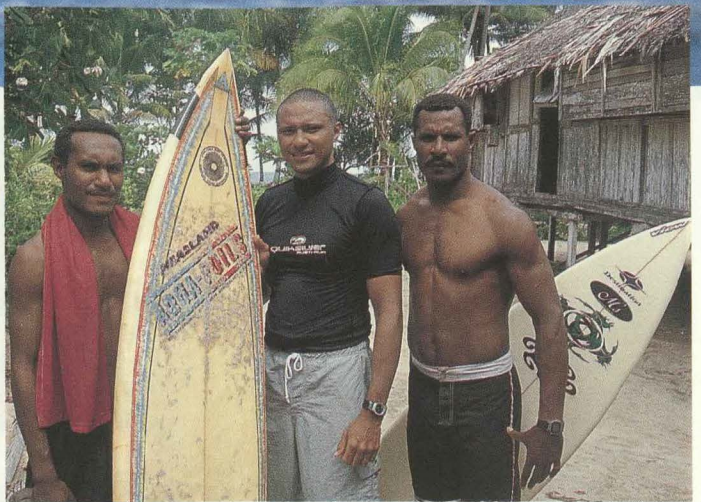
Paul Evans surfing in Madang

We had to check in at the airport two hours in advance. When we arrived at Boram with all our gear, a small crowd built up out of curiosity, as most had never seen such a large travel group.

In the aircraft on the way to Vanimo the boys requested the pilot make an announcement as soon as we were over Aitape. Shortly after take-off, the announcement came and the boys spared a moment of silence to respect those lost in the tragic tsunami disaster. This is a surfing protocol when surfers pass a tsunami struck area.

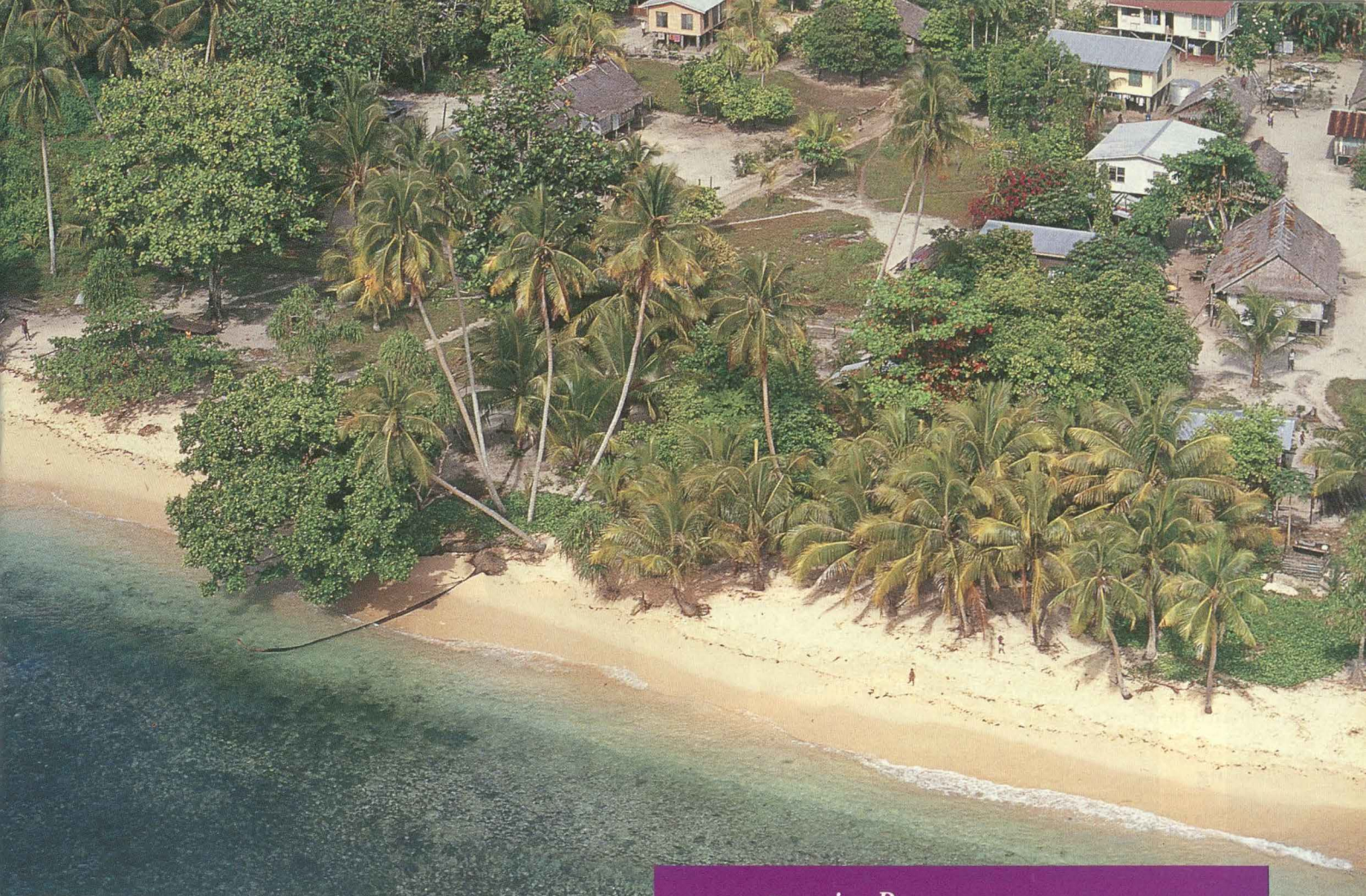
Soon after disembarking, the boys looked out towards Vanimo Point and spotted the waves rising in the horizon, echoing a welcome. Our local surfing guru David Mohe, one of Papua New Guinea's best at the sport, was at the airport to meet us. Once the trucks were loaded with boards, it was on to Lido village. Lido, only a 10 minute drive from town, is home of some of the country's best surfers.

As we drove into the village, we could hear in the distance the chanting and laughter of the village girls and boys who relaxed under houses and shade trees. Going through the village, the first welcomes were *Wailie ikam nau!* in Tok Pisin, which in English interprets to *White surfers are here now*. It is a nickname the locals use for surfers who have been coming to Lido village for good surf over the last 10 years.



Time for a photograph before heading out to surf in Vanimo.

After unpacking it was straight into the waves. The paddle was at least 100 metres out to the reef and surf. With the white sandy beaches stretching all the way around Lido and the weather slightly opening up for us, Ted the photographer looked at me and nodded in satisfaction that we were finally at the mecca of great surfing. According to Ted, who has travelled extensively throughout the world, the setup was perfect for any surfing manoeuvring shots. Andrew, the editor of the surfing magazine was so impressed he excused himself to get out to catch some waves.



Lido village beach — unspoilt paradise

Through the rest of the week, Vanimo was definitely happening and the boys were out at it all day, surfing the right when the conditions favoured it and moving to the left-hander in the afternoon. Both spots are only walking distance and every time the group moved all the locals would come out and assist, moving eskies and boards. The pro surfers could not believe that this gold spot was not crowded and mainly surfed by a handful of local boys. *Back in Australia, we would have to wait a while before catching our next wave. This place is perfect. We'll definitely continue to keep it a secret, as there aren't many places like this anywhere today,* said Andy King.

Darren O'Rafferty's comparison was to Hawaii, Fiji, Tahiti and South Africa, all places he has done surfing tours. *I reckon this country has got what it takes to convert into a hot favourite for surfing. I'm sure mates will come running to PNG as soon as the magazine article comes out next month. The tour has been great and the people were just so friendly it was mind-boggling. I love it and will definitely be back to spend more time here, especially in Lido.*

When the group concluded their surfing tour and were returning to their various surf camps in Australia, their last words before boarding the aircraft were, *Crazy Wailie igo nau!*



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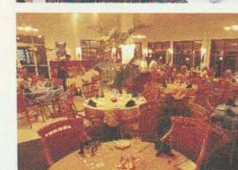
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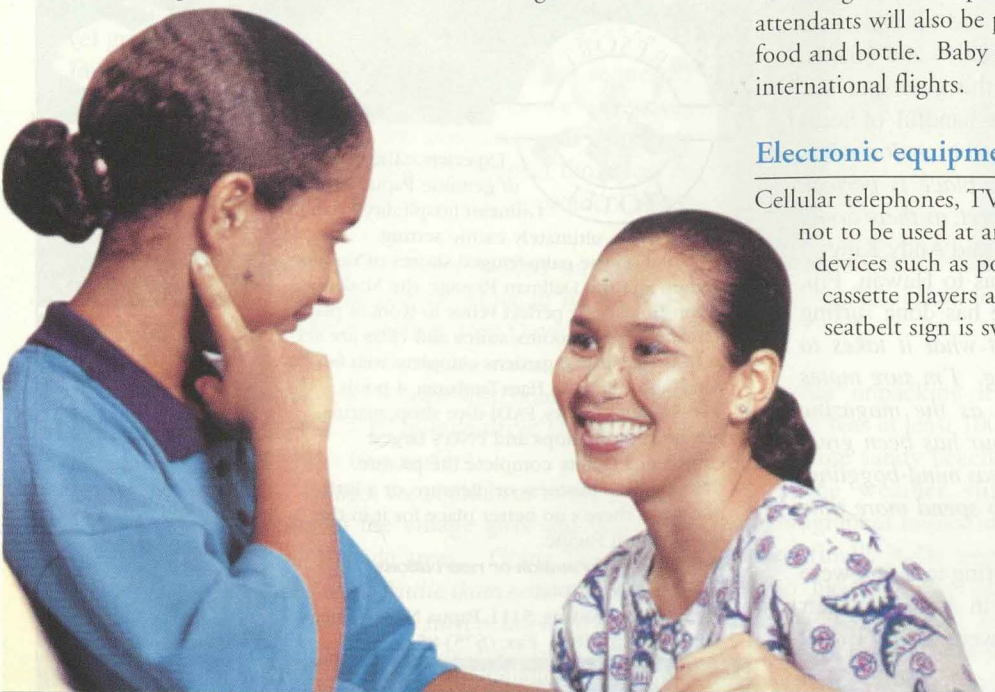
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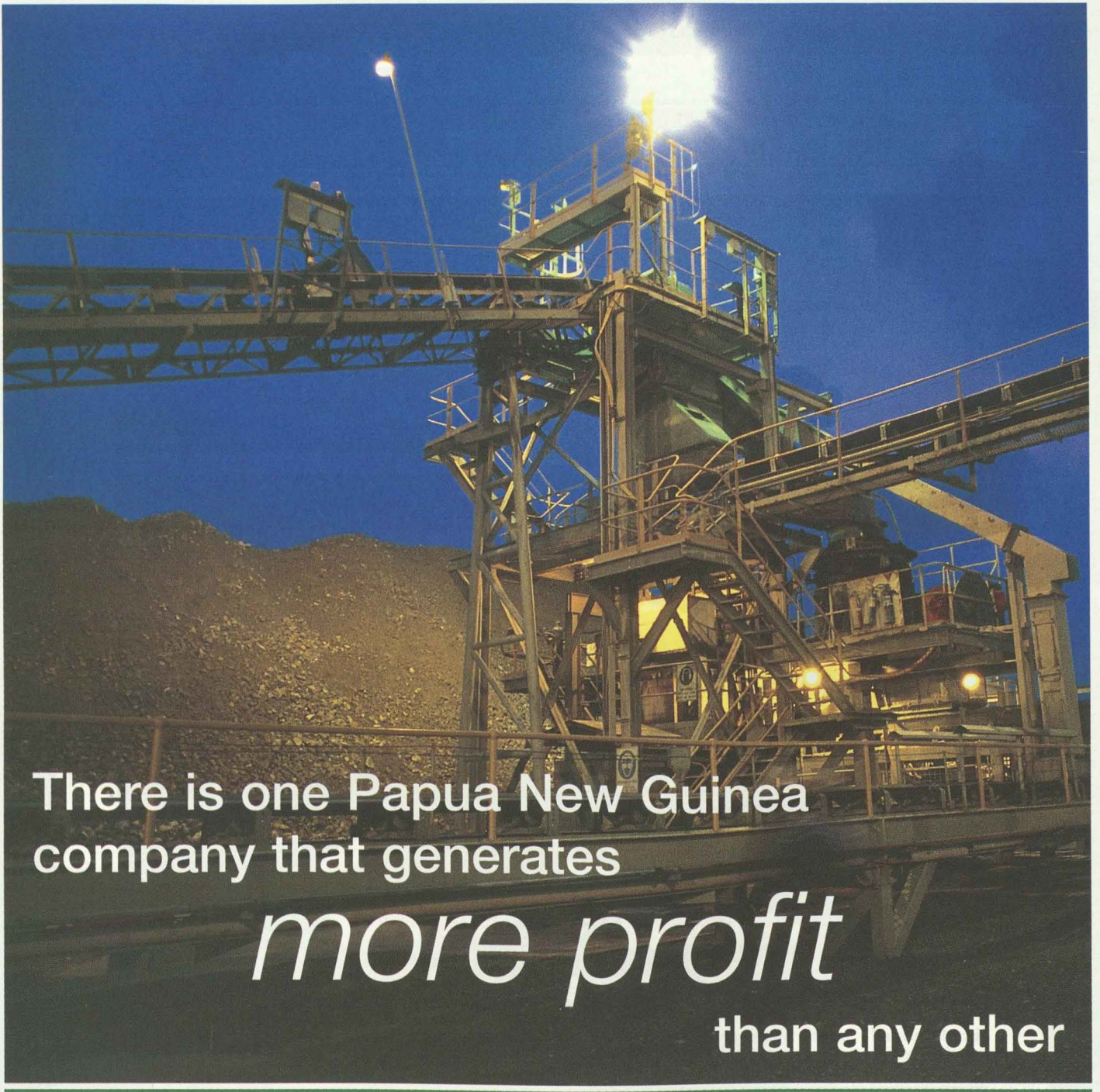


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DHC-8-202 Bombardier Canada	22.25	25.89	2 Pratt & Whitney PW123D	550	7,600	36 pax + bags + 331kg cargo	1,700

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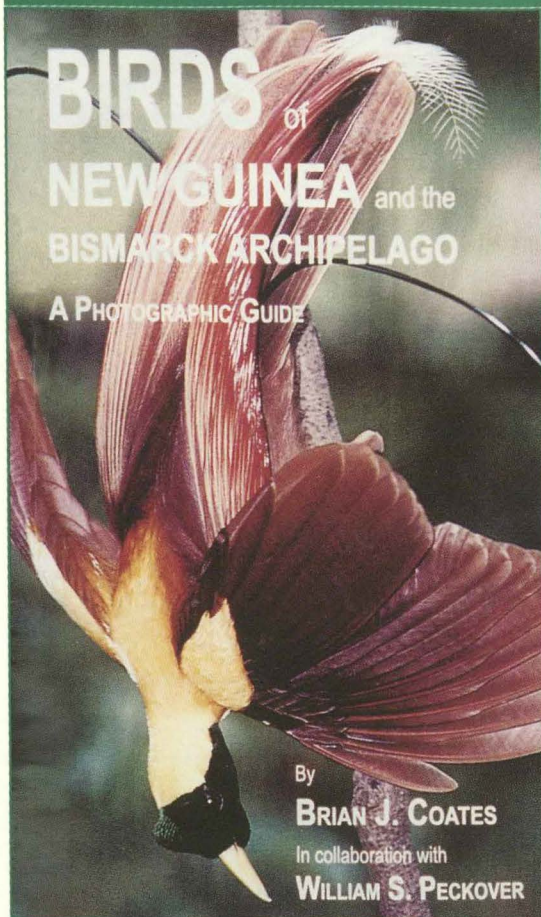


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Book Review

by Eric Lindgren



This is a bright book!

From the spectacular photograph of the Red Bird of Paradise of the Western Papuan Islands on the front cover to the Superb Pitta from Manus Island on the rear, the photographs reflect the diversity and beauty of the bird life of New Guinea Island and nearby.

Thirty years ago, when I first trod the soil of Papua New Guinea, books about the wildlife, and especially birds, were as scarce as hen's teeth. Gould's monumental work of the nineteenth century, his *Birds of New Guinea*, was the only book to provide realistic illustrations of many of the species of this biologically rich island. But access was only available in Museums and Public Libraries, and the paintings were made half a world away from the living bird and often suffered a reality-shift reflecting the styles of the day and the difficulties of distance.

Increasing work in the area prior to World War II added to knowledge of the avifauna and in 1941 Ernst Mayr of the American Museum of Natural History issued his *List of New Guinea Birds*. This was exactly that, a checklist of the species known from the island of New Guinea and minor islands around it. With no illustrations this was of little use for field identification. However, it was a precursor to Mayr's *Birds of the South-west Pacific*, which appeared in 1945. This was one of a series of monographs covering natural history of regions of the southern Pacific occupied by American troops during WW2. It was written to assist servicemen in the serious identification of plant and animal life in these new areas and gave a much-needed fillip to jaded battle weary troops. There were only three colour plates and 15 black and white drawings so once again much imagination was needed to visualise the birds.

Following this, in 1956, Australian ornithologist Tom Iredale and his artist wife Lillian Medland produced a two-volume set *Birds of New Guinea*. Medland's paintings were fanciful and Iredale's text reflected his unique views on taxonomy. But at least there were some paintings that gave the birdwatcher a better indication of what to look for.

Field identification took a great leap forward with the publication, in 1967, of Rand and Gilliard's *Handbook of New Guinea Birds*. This was an excellent synthesis of knowledge of the avifauna to that date. It included a series of colour and black and white illustrations useful in identification and, importantly, gave details of range, both geographical and altitudinal, which assisted in narrowing down species to be expected in a given area. This book set the scene for the rapidly increasing investigations of the birdlife of New Guinea, both by resident and overseas research workers. This resulted in the first true field guide for the region — Beehler, Pratt and Zimmerman's 1986 *Birds of New Guinea*. For the first time practically all of New Guinea's birds were available in a compact volume, by people who were familiar with the birds in the field and could illustrate and describe the subtle nuances of posture, plumage and call of such great help to the novice in identification. This work mentioned ranges into the Bismarck Archipelago, but did not describe or illustrate birds endemic to these islands.

Below:
*Male
King Bird
of
Paradise*



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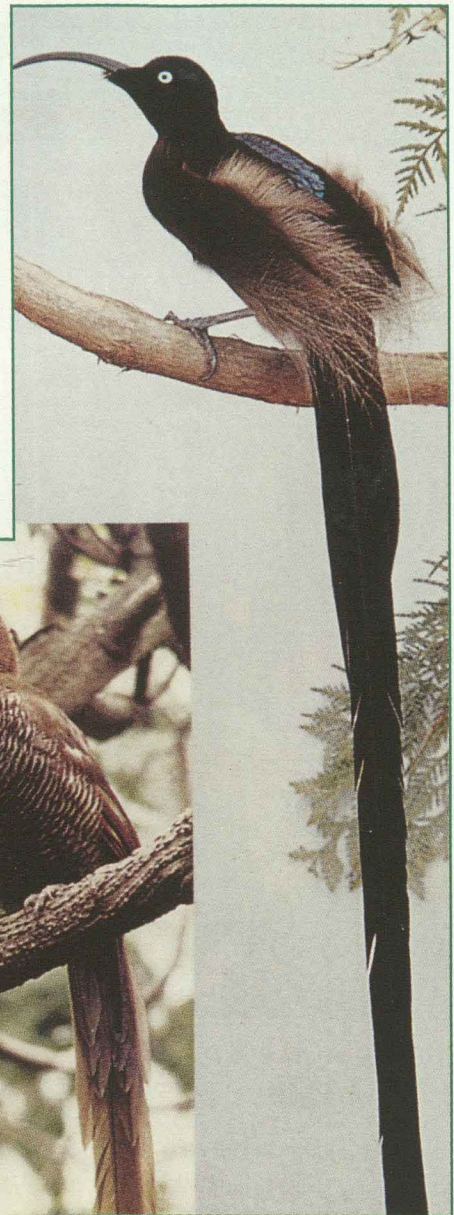
Brian Coates published the definitive guide to the avifauna of Papua New Guinea in two volumes, 1985 and 1990. These scholarly works included colour photographs of the majority of the species, often multiple pictures showing variations in plumage and behaviour etc. These were not practical for fieldwork but, with Beehler *et al's* guide, provided a benchmark indicating areas of research needed to further the knowledge of our birds.

Coates has now followed his major work with a guide suitable for the pocket or rucksack. More importantly, it covers the whole of New Guinea and the Bismarck Archipelago, and includes a number of distinctive endemics to the Archipelago that are illustrated for the first time.

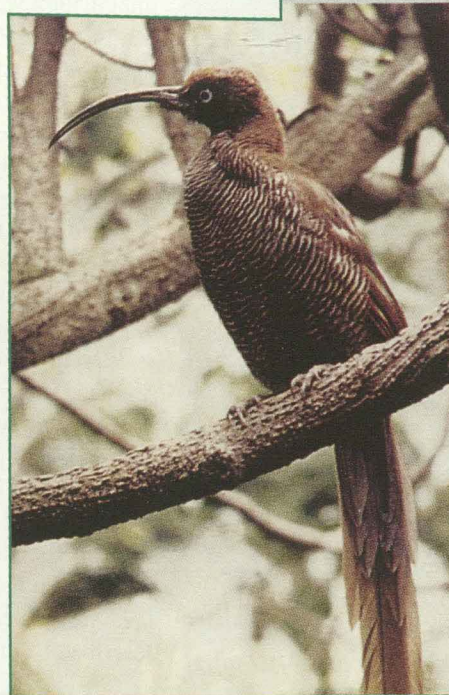
The photographs come mainly from the collections of Coates and the late Bill Peckover, though 17 other photographers are represented. All have been carefully selected to assist in identification. Most of Coates' are of wild birds, showing typical postures assumed in their everyday lives. Peckover's are of wild-caught birds placed in a light box, however they are on authentic backgrounds and show the birds off accurately.



Right: *Male Brown Sickle-billed Bird of Paradise* found in montane forest — mainly black with pale blue eyes



Below: *Female Brown Sickle-billed Bird of Paradise* — mainly brown with rufous crown and hindneck, barred chest, brown wings and blue eyes



Some pictures of difficult species do not reach the quality of the majority, but this is understandable to anyone who knows the difficulties of photographing in tropical rainforests/climates/terrains. The text draws upon Coates' earlier works, distilling these into the essentials for the field worker. Information since 1990 has been included and the sections — description, habits, voice, habitat, range and (often) notes — are on the same page as the photographs.

In summary, field identification of New Guinea birds, indeed all New Guinean vertebrates, is getting easier. This book is another step on the way to assist in education of people in the conservation of New Guinea wildlife

It should be in the pockets of every naturalist with an interest in the region, and it should become 'dog-eared' from use; that is what books such as this are for!

Birds of New Guinea and the Bismarck Archipelago — A Photographic Guide
 By Brian J Coates, in collaboration with William S Peckover (2001)
 272 pages, 444 species described, 650+ colour photos, coloured end maps.
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 From Dove Publications, PO Box 59, Alderley, Queensland 4051 Australia



Trekking from Goroka to Madang

Story by Munare Uyassi
Photographs by Norman Carver

Imagine a walk that does not allow you to turn back — but to continue walking until you reach your destination.

Suck a trek does exist — 10 kilometres north of Goroka. The trek is advertised by PNG Highlands Tours as the Goroka to Madang Trek, and goes through the northwest Bismarck Range that divides the Eastern Highlands from Madang Province. In essence the track is a bridge between the highlands and the coastal plains of Madang. The mountain range peaks at Mt Otto, just north of Goroka town at approximately 3,500m, descending down into the Ramu Plateau a little above sea level.

The trek begins at Akemeku village near the Kabiufa Seventh Day Adventist School. Normal trekking time takes three nights and four days, — or for the super fit, two nights and three days. This trek is no simple feat but a challenging task that once started must be conquered. The point of no return is after about six hours, when the highest point on the track is reached. The splendour of the Ramu Valley from such a vantage point will remain in the memory of all who have the fortune to see it.

It is from here that trekkers commence a steep and long descent into the steamy mist covered tropical forest below. At this point there is no return for trekkers back to Goroka, once a decision to 'take the plunge' is made — only forward to the coastal resort of Madang.

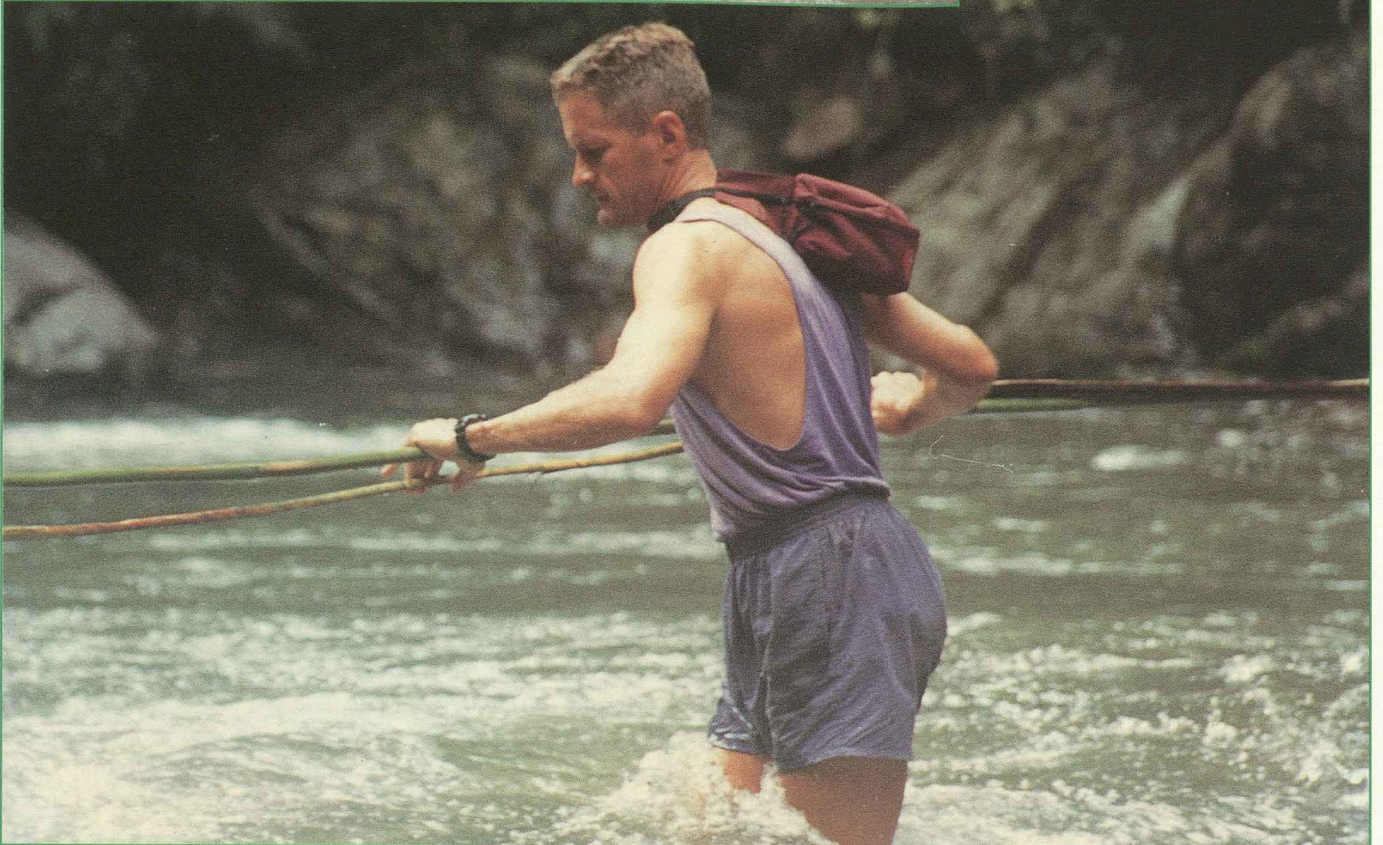
Would-be trekkers must have guts, stamina and endurance. The natural elements will submit many challenges in this sub-tropical and tropical paradise, and test each individual's physical fitness, mind-set and resolve.

There is no luxury here, only tough rugged and yet beautiful terrain, terrain that must be conquered. *Often this trekking adventure gives individuals a better insight into themselves and their own abilities and life's direction — the challenge will bring out the best in you personally, and leave you with more strength and resolve,* says Norman Carver, who organises the trekking.



A number who have walked the track have said it is something they have never experienced in their life of trekking around the world. An American Marine with the US Armed Forces said it was the most memorable experience of his life: *This is tough; you don't get that kind of terrain in American military training. I will be back with my friends to walk the track again.*

What lies between the Akemeku village and Brahma Mission is unexplored territory, full of natural beauty — cooler temperate jungles of the highlands, with an eerie quiet, down to vibrant and vocal, life filled warm tropical forests. V-shaped ridgelines, sheer mountain edges, raging river crossings, cane bridges, impenetrable mountain sections, as well as numerous species of birds of paradise and a morning fog and mist that remain with you even up until midday.





The early mornings and late afternoons are a deafening orchestra of insects, frogs and smaller creatures. By day's end, storm clouds gather, with the warm coastal air rising to the cooler highlands and a spectacular thunderstorm and lightning materialise, often at a distance prowling over the mountain scape.

Occasionally, people can be seen from a distance climbing up an opposite mountain ridgeline. Communication is made by long drawn-out shouting across from one ridge to the other, but it would be impossible to catch up to them, because they would be a day's walk ahead.

Deep within the more remote sections of the track, trekkers come across people who belong neither to Goroka nor to Madang. These true bush people are oblivious to the progress of the outside world. Whatever happens to either town has no impact on their lives. They continue to live off their land through slash and burn methods and to hunt and gather food from the forests. Red pandanus plants are a continuous source of food all year around.

The true bush people live a life of solitude, in quiet cohesion and harmony with their natural surrounds. The two — nature and man — become almost one and the same.



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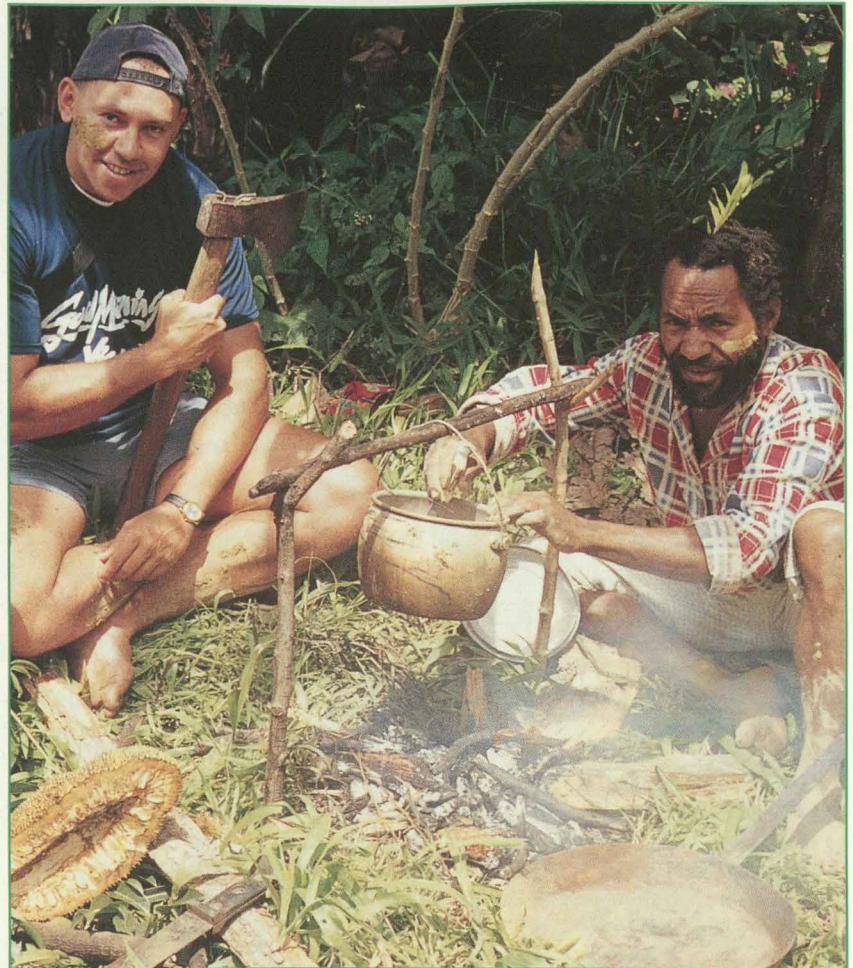


As well as their raw physical strength and endurance, these people have a highly developed sense of awareness, vital to their survival in these remote mountain ranges.

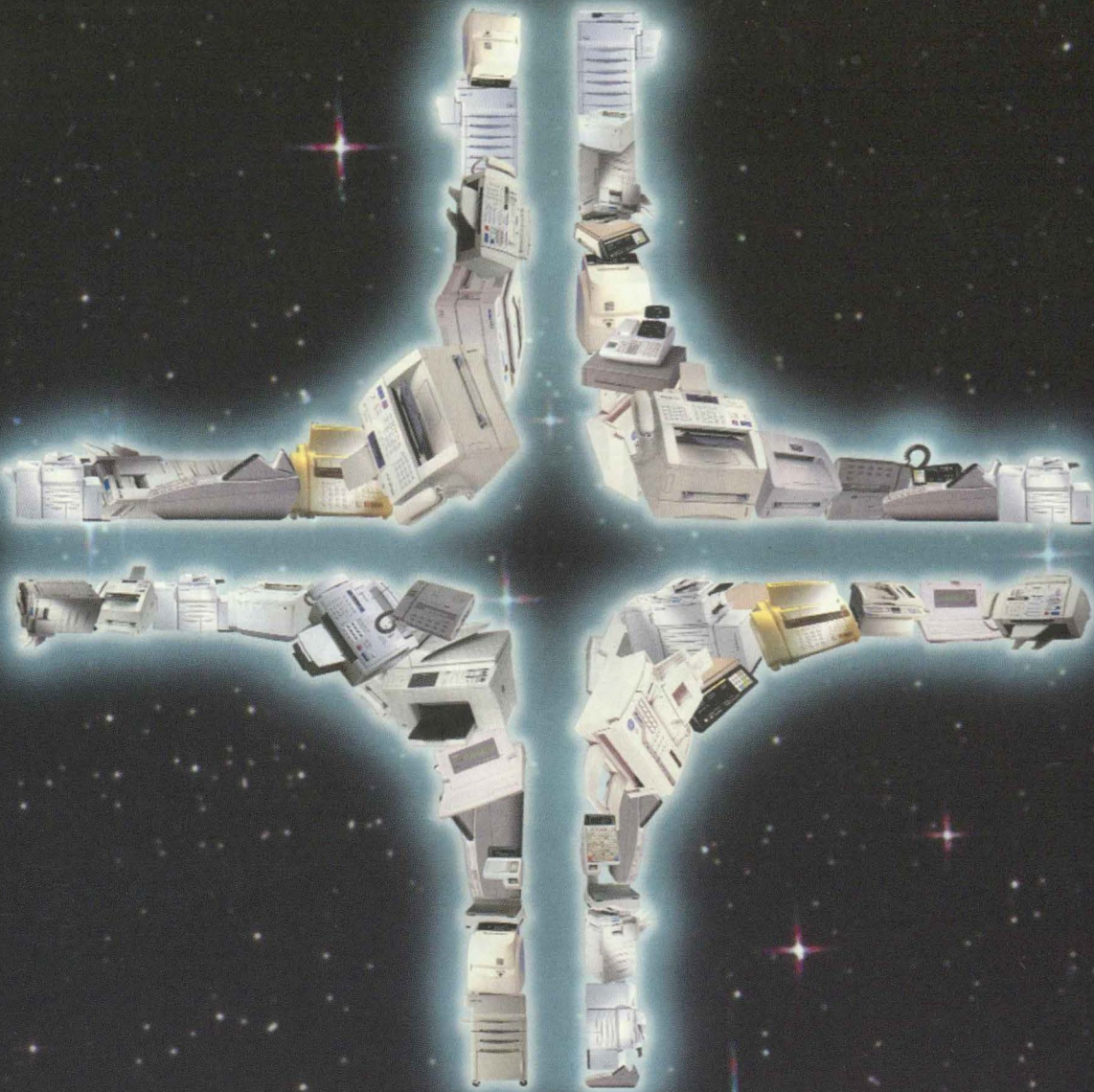
As the expedition crosses into the ranges leading away from Goroka, human habitation becomes scarce — only a hut or two appears now and then, until there is no sign of human habitation at all. For one and a half days there is nothing but nature — the sounds of the forests, rivers and thunder. In the evening the sounds of night insects, of birds and animals are in unison with the chatting of the guides. The chorus seems natural to this environment.

There are no especially built rest houses along the track. Trekkers stay in makeshift shelters constructed by the guides. Occasionally by chance the party finds an abandoned hut near the trail, which usually provides a better shelter for the night. These huts are often near an abandoned garden on the edge of a sheer cliff wall or river.

At the end of the day's trek, high up on a ridge, looking down to the coast, once again the evening sounds return. The roar of the river below, the insects again screaming their high pitch warnings, night birds, frogs and the thunder strikes that rip through the sky powerfully add to the prevalent mystery of nature. With weary limbs and a slight smile, the trekkers lean back with satisfied exhaustion for the night.



*Information on this track is accessible through email: pnght@dg.com.pg
Air Niugini services Goroka twice a day seven days a week.*



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Islands of Dreams

Story and photographs by William Nepson

Manus Islands — islands of dreams and happiness — are a group of more than 180 islands, coral clay and atolls just 2 degrees south of the equator. Manus Province has many beautiful traditional dances, art and cultural practices. The livelihood of the people is very much dependent on subsistence farming and fishing.

Manus Titan is a name that refers to the dialect of the ethnic coastal people on the south coast and various islands including Pere, Timonai, McBurke, Rambutjo, Nauna, Lecha and Bunai. These islands are flat and surrounded by deep oceans. They seem to have been tucked away in the middle of nowhere, providing an ideal spot for holidaymakers. The quiet, peace and tranquillity of the province are unmatched.

The provincial headquarters is Lorengau with the government offices, hospital, police station, three main shops, local market, a hotel, a lodge, three provincial high schools and a secondary school. The most common forms of transportation are PMV (Public Motor Vehicles/buses) and sea transport. Manus has a population of almost 40,000 people and the growth rate is fast. The province is rumoured to have more women than men.



Right: *Reminder of World War II occupation in the area*
Below: *Titpuke Dancing Group*



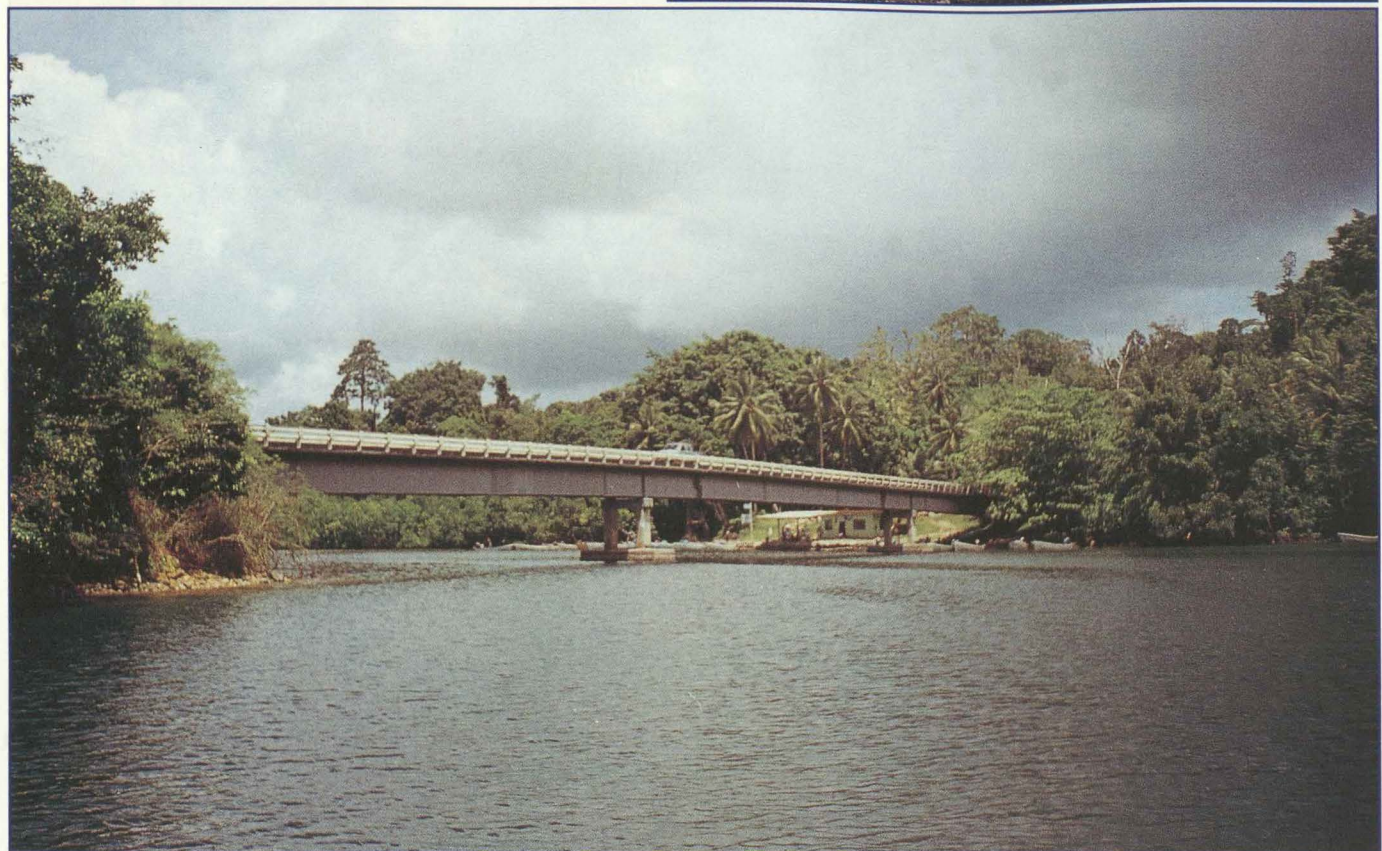
Los Negros Island is one of the few places that provide access by road to many parts of the island and the mainland, where Lorengau is located. Despite the island's accessibility by road, sea and air, the vegetation is largely untouched, giving the impression of being on an uninhabited island where the environment is from the time universe was created. Los Negros was named after the First Cavalry Division of the United States Army assaulted the Hyane Harbour shore to drive the Japanese soldiers from Admiralty Island. Momote airport and Lombrum Naval Base are located on the island. The drive to Lorengau town is about 40km. Los Negros is said to have been where many black American soldiers lived during World War II and that is how its name originated.

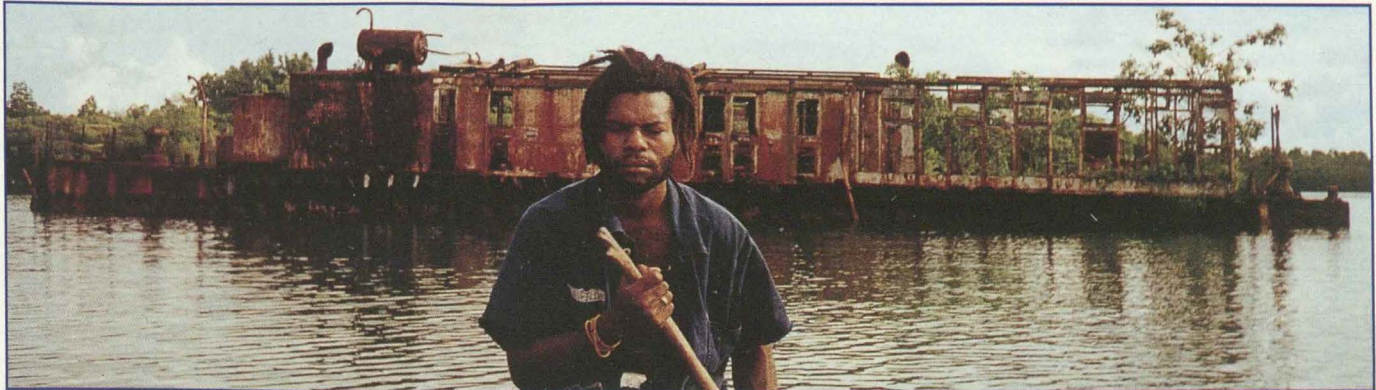
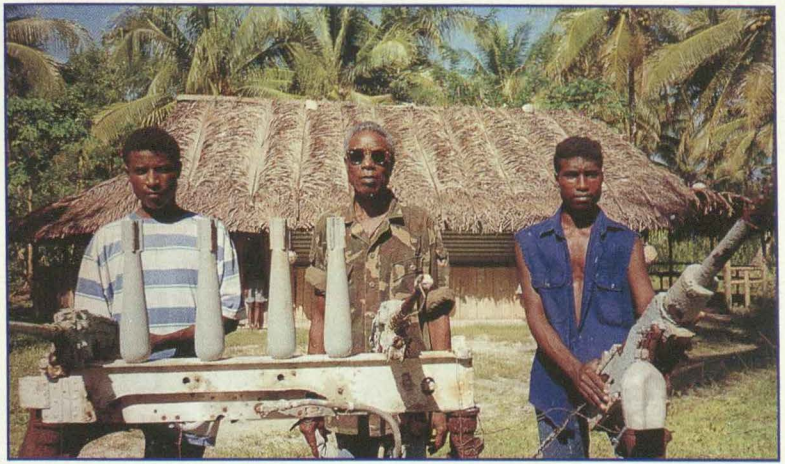
The legacy of World War II is still clearly visible. Both Manus and Los Negros Islands are joined by the 80m long Loniu Bridge that provides for spectacular viewing up the entrance to Loniu passage on one side to another. The myriad of reefs and small uninhabited islands lead out into the open sea. A five-minute boat ride through the passage leads to the famous Loniu Amphibian Lagoon where the Allied Forces parked hundreds of pontoons and barges against the shoreline when hearing of the Declaration of Victory in 1945. The Americans and Japanese abandoned live ammunition and war relics after the war.

Above right: *World War II remains along the coast of Los Negros Island*

Middle right: *Papitalai Secondary High School Library on Los Negros Island, donated by Rotary Club of Australia.*

Below: *Loniu Bridge*





Above left: Paul Maramoma from Mokoreng village displaying some of his carvings

Above right: Paul Nombut and sons display some World War II relics at Mokoreng village, Los Negros Island

Above: Floating drydock dumped by the Allied Forces during WWII at Salamei, Los Negros Island

Many of the locals have found a means of making money by selling parts of the relics to metal recyclers. Mokoreng, one of the villages on Los Negros Island, was used as an Allied Military base and the headquarters of General Douglas MacArthur. There are remains of concrete walls which once surrounded the flagpoles that raised the American flags in front of MacArthur's office.

Place names include Upper Paradise, Lower Paradise, Chicago, Mondrogot, Wirelus, Riuriu, Ackon, Malaria, City, Chopon, Koronut, Dilou and Hawaii!

The people of Los Negros are very conscious of how important their environment is to their lives and to the lives of future generations. The use of dynamite for fishing is strongly discouraged, and people are becoming increasingly aware of the damaging effect humans are having on the oceans and atmosphere.

Manus Islanders are learning to understand the interdependence of their ocean environment and the need to manage it in a sustainable and responsible way. They want to become community leaders in ocean resource management.



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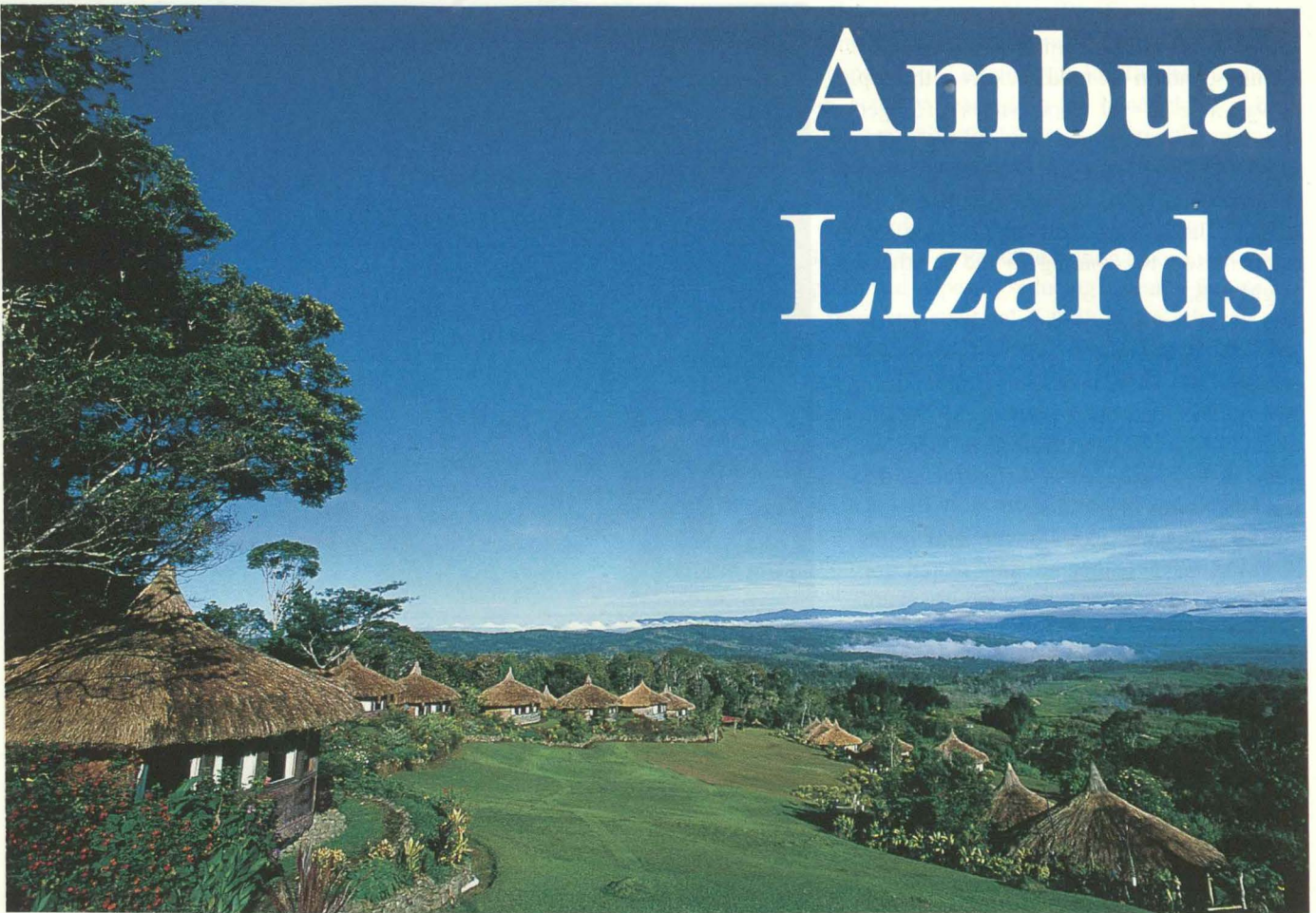


As we've developed Papua New Guinea's Oil and Gas industries, we've been keeping a very close eye on the environment. Everywhere we see spectacular sights and magnificent natural wonders that must be preserved for future generations of Papua New Guineans. So in an endeavour to make our partners' country rich and resourceful, we never lose sight of the



need to minimise the impact we make on the landscape, while maximising the benefits for the people. After all, it's only natural that a country as beautiful and rich in resources as PNG, should continue to remain pristine while advancing into the next millennium. We'll be maintaining our close eye on the environment as we continue our close contact with PNG.

Ambua Lizards



Story and photographs
by Christopher Austin

The mist and rain roll in from high above, clouding my vision and obscuring my thoughts. This is the fourth consecutive day of dark wet weather and I am aching for a hint of sunshine. A trickle of cold rain adeptly and inexplicably sneaks inside my jacket and snakes its way down my spine. At 2,500m the mist and rain are cold and can chill to the bone without the proper wet-weather gear. Not something you would expect sitting just six degrees south of the equator. This is the Southern Highlands of Papua New Guinea.

New Guinea, the world's largest tropical island, lies at the epicentre of the biological diversity of the entire Pacific. Because of its size, the enormous elevational gradient (sea level to well over 5,000m) and severe topography, New Guinea has a wide range of habitat types occupied by diverse and unique fauna and flora. New Guinea is the heart of the Pacific and acts as a biological pump effusing the remote and isolated oceanic islands of Melanesia and Polynesia with the biological ingredients necessary for adaptive radiations. I am inexplicably drawn to this island because of its pivotal role in shaping the biodiversity in this region of the globe.

The highlands offer a special treat to the visitor: amazing people and cultures, stunning views, and relief from the steamy tropical lowlands. The highlands also offer a perfect opportunity to see some of Papua New Guinea's most exquisite fauna and flora. New Guinea is known the world over for its diversity of bird life, and the beautiful birds of paradise draw birdwatchers from around the world.

Ambua Lodge (*photo above*), nestled in the mountains near Tari, is perfectly suited for a highland excursion. The comfortable thatched-roof huts provide a relaxing atmosphere. In a popular travel guide, Ambua Lodge has been described as 'reminiscent of some of the great African Game Parks'. This is not an overstatement of the luxury and beauty surrounding Ambua.

Ambua Lodge is located at 2,100m and its picturesque locale offers good access to many different habitat types. The excellent moss forest that surrounds Ambua has an extensive trail system with some exciting vine bridges that cross the raging river. These trails offer a good opportunity to see some of the fauna and flora of the area.

Another excellent option is getting a ride up to Tari Gap, about 8km from the lodge, and walking back along the road. Tari Gap at 2,700m is a beautiful highland meadow dominated by bunchgrasses and marshy low-lying areas. If you are reasonably fit, it is an easy walk back downhill from the gap to the lodge and you will be rewarded with many different sights along the way. The road goes through some very beautiful areas spanning different habitats that are associated with the different elevational climate zones.

In addition to the stunning views and forest walks, there is ample opportunity to see several species of birds, including some of the most spectacular birds of paradise. Over 50 bird species are recorded from the area.

Stephanie's Astrapia and Smoky Honeyeaters are common on the lodge grounds, and on the road back from the gap I was able to get good views of Tiger Parrots and Rainbow Lorikeets. The attractive lizards that scurry underfoot or in the trees above, however, should not go unappreciated, and these reptiles are my main reason for coming to the Southern Highlands.

I have come to Ambua to study lizards as part of a decade long research project on the ecology and systematics of lizards from New Guinea and other parts of the Pacific realm. New Guinea lizards, in fact, are more diverse and just as colourful as the legendary birds of paradise.

The constant cloud-cover and rain, however, have hampered any search for lizards. Cold weather is not good if you are a lizard. Like all cold-blooded vertebrates, lizards derive their warmth from the sun rather than by a fast-paced internal metabolism like that found in birds and mammals. No sun means that the lizards hide under rocks, logs, or in the trees, resting immobile until the sun shows itself to provide warmth for their reptilian bodies.



Right: *Long-tailed Skink* (*Eomoia longicauda*)

Below: *Stanley's Skink* (*Papuascincus stanelyanus*)





I am here to continue my research on Pacific lizards and my patience is waning thin. I spent the first two days of wet weather admiring the several species of birds of paradise that are found in the area. The rain actually seemed to be beneficial for bird watching as the birds were active for longer periods in the morning and evening and the morning bird activity seemed to start a bit later, thus minimizing the dreaded early mornings typically associated with birdwatching. The birding highlight was getting a superb view of a male King of Saxony Bird of Paradise belting a vivacious vocal performance with presumed hopes of seducing a nearby female.

Like an obelisk from some surreal Kubrik space odyssey, the mountains emerge in the dawn light of my fifth day with a pale-blue cloudless sky backdrop. The lack of sunshine over the last four days means that the lizards will be anxious to warm themselves and search for food. In the crisp early morning my mammalian metabolism is trying to keep me warm as I take a bush trail through dripping moss forest in search of lizards. My boots are soaked and muddy from crossing several streams along my hike through the alpine grasslands and moss forest, but my camera is protected from the elements in a waterproof bag.

Although the diversity of lizards in the highlands does not match that found in the steamy lowlands, the sheer number of lizards is impressive. When the sun comes out it is impossible to miss the lizards scurrying underfoot.

Left: *Prehensile-tailed Skink* (*Prasinohaema prehensicauda*)

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Several species of lizard are common around Ambua Lodge and are easily viewed and photographed. The most common is Stanley's Skink (*Papuascincus stanelyanus*). If you walk slowly and carefully up to one, you should be able to get close and gain a good look or photograph. Males often have bright red tails that make this species easy to distinguish. This genus is only found in New Guinea, and is found throughout the highlands above 1200m. Like many lizards Stanley's skinks lay eggs, but due to the cool climate these eggs take an amazingly long 15 months to hatch.

In contrast, the Prehensile-tailed Skink (*Prasinohaema prehensicauda*) does not lay eggs. Females of this species give birth to live young. Females retain the eggs inside the body cavity allowing them to develop more rapidly as they bask in the sun raising the incubating temperature of the embryos. Prehensile-tailed Skinks are one of the most beautiful lizards on the entire island, and if you see one count yourself lucky. This species is entirely arboreal, living high in the trees, rarely descending to the ground. The prehensile tail acts as a fifth limb to grasp branches while climbing, an important adaptation for a lizard that lives high in the forest canopy. This species is sexually dimorphic; males and females are different colours. Male Prehensile-tailed Skinks are bright green with spectacular yellow spots over the entire body. Females, however, tend to be a more dull olive-green colour.

Another lizard that gives birth to live young is the Elegant Skink (*Lobulia elegans*). This species is also endemic to the highlands of New Guinea, found only above 1,500m. It is often found hiding underneath the peeling bark of dead trees. The Long-tailed Skink (*Emoia longicauda*) is another species found almost exclusively in the trees. This species is an elusive fast moving lizard and it is difficult to spot its greenish brown body as it moves rapidly through the leafy green forest canopy.

Islands have played a pivotal role in our understanding of biodiversity. Very little is known of Papua New Guinea's lizard fauna, however, because of the remoteness of this island. There are only a handful of researchers actively working on the ecology and systematics of Papua New Guinea's lizards, and much more needs to be done to understand the biological treasures this island holds.

Dr Austin is a Professor of Biology at the University of North Dakota in the United States. He has been conducting research in Papua New Guinea and the tropical Pacific for the last 12 years and has published numerous scientific articles on the ecology, genetics and biography of Pacific reptiles.
e-mail: christopher_austin@und.nodak.edu

Below: *Elegant Skink (Lobulia elegans)*

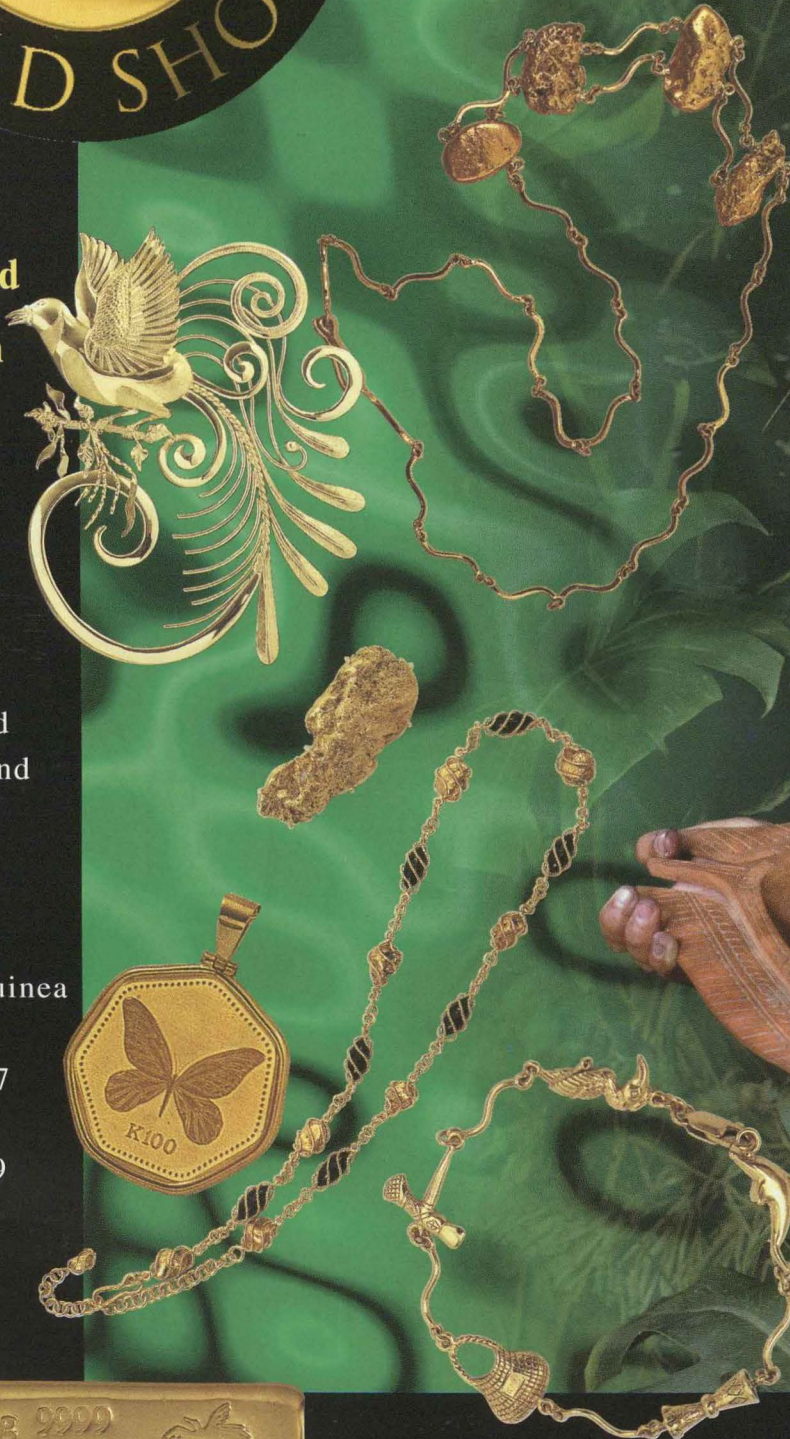


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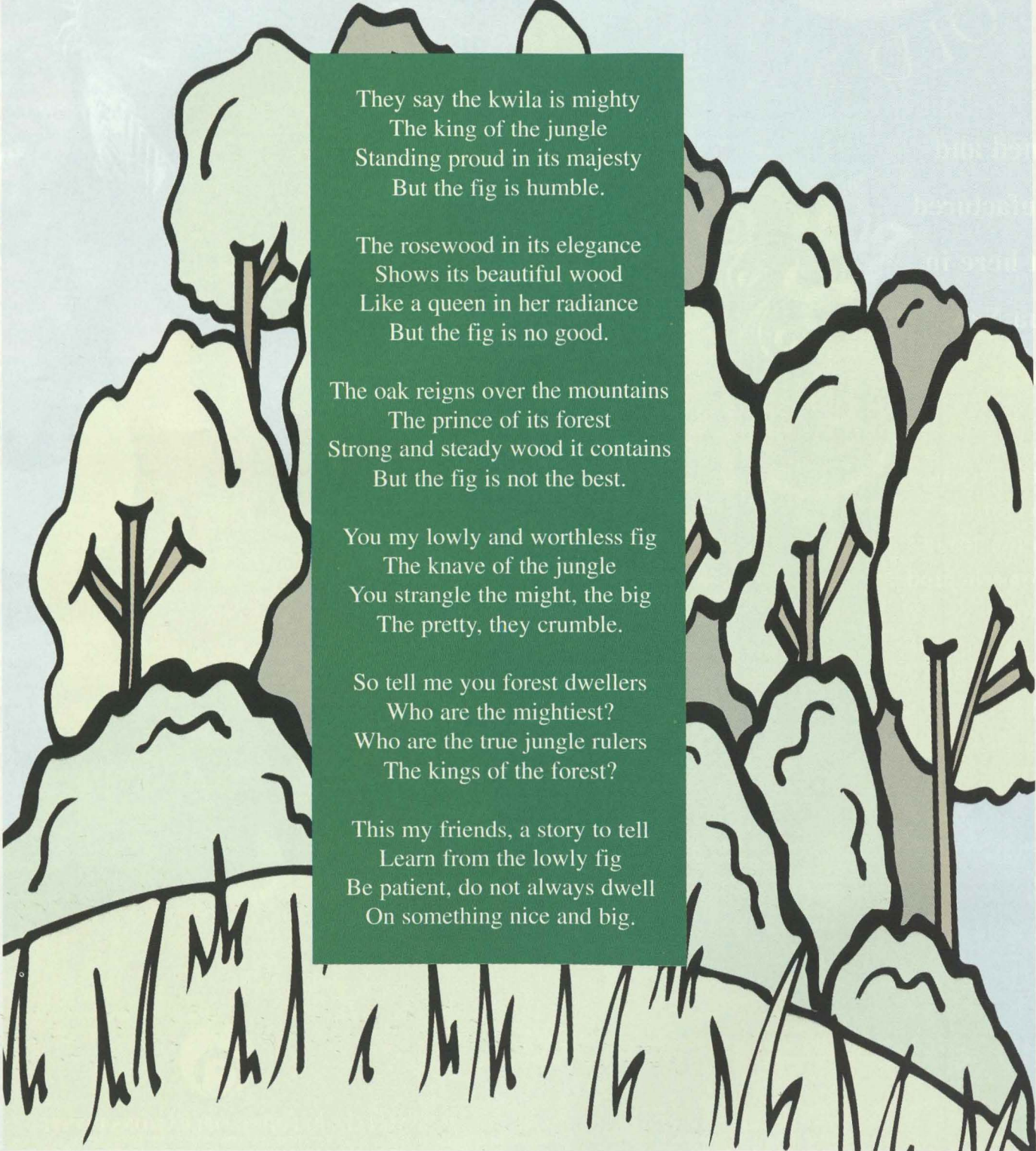
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CREATIVE WRITING

THE FIG TREE

By Benjamin Phillip Vali



They say the kwila is mighty
The king of the jungle
Standing proud in its majesty
But the fig is humble.

The rosewood in its elegance
Shows its beautiful wood
Like a queen in her radiance
But the fig is no good.

The oak reigns over the mountains
The prince of its forest
Strong and steady wood it contains
But the fig is not the best.

You my lowly and worthless fig
The knave of the jungle
You strangle the might, the big
The pretty, they crumble.

So tell me you forest dwellers
Who are the mightiest?
Who are the true jungle rulers
The kings of the forest?

This my friends, a story to tell
Learn from the lowly fig
Be patient, do not always dwell
On something nice and big.

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Medical Information

Your Health In-Flight

At Air Niugini we care about your comfort and safety. We have included the following information about your health in-flight that we hope you will find helpful and useful. When you are flying you can be seated and inactive for long periods of time. The environment can be low in humidity and pressurised up to an altitude of 2240 metres above sea level. Unlike other forms of transportation, air travel allows for rapid movement across many time zones, causing a disruption to the body's "biological clock". Although these unique factors do not pose a health or safety threat to most passengers, there are guidelines you can follow that will improve your comfort level, during and after a flight. We hope the following recommendations will help you have a more pleasant flight today and in the future.

Blood Circulation/Muscle Relaxation

When you're sitting upright in a stationary position for a long period of time, several things can happen:

- The central blood vessels in your legs can be compressed, making it more difficult for the blood to get back to your heart.
- The long inactivity of your body muscles in this position can result in muscle tension, back aches or a feeling of excessive fatigue during, or even after, your flight.
- A stationary position inhibits the normal body mechanism for returning fluid to your heart, and gravity can cause the fluid to collect in your feet. This results in swollen feet after a long flight.
- Studies have concluded that prolonged immobility may be a risk factor in the formation of clots in the legs (DVT - deep vein thrombosis). Particular medication and medical conditions may increase the risk of formation of clots if associated with prolonged immobility. Medical research indicates that factors which may give you an increased risk of blood clots in the legs include:
 - increasing age above 40 years
 - pregnancy
 - former or current malignant disease
 - blood disorders leading to increased clotting tendency
 - personal or family history of DVT

- recent major surgery or injury, especially to lower limbs or abdomen
- oestrogen hormone therapy, including oral contraceptives
- immobilisation for a day or more
- dehydration
- heart failure
- trauma
- varicose veins
- obesity
- tobacco smoking

Recommendations:

- If you fall into any of these categories or you have any concern about your health and flying, Air Niugini recommends you seek medical advice before travelling.
- While inflight, move your legs and feet for three to four minutes per hour while seated and move about the cabin occasionally, if conditions allow.
- Doing light exercises as depicted in the sketches below may be effective in increasing the body's blood circulation and massaging the muscles.

Jetlag

The main cause of jetlag is travelling to different time zones without giving the body a chance to adjust to new night-day cycles. In general, the more time zones you cross during your flight, the more your biological clock is disturbed. The common symptoms are sleeplessness, tiredness, loss of appetite or appetite at odd hours.

We recommend that you:

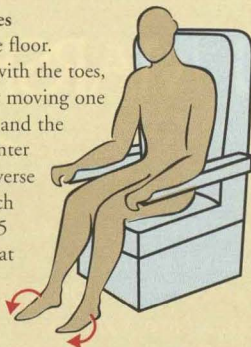
- Get a good night's rest before your flight
- Arrive at your destination a day or two early, if possible, to give your body a chance to become more acclimatised to the new time zone.
- Fly direct to minimise flight time, when possible. This allows you to relax more upon arrival.
- Leave your watch on home time if you're staying at your destination less than 48 hours. Also try to eat and sleep according to your home time.
- Change your watch to the local time if your stay is longer than 48 hours, and try to eat and sleep in accordance with the local time. On longer stays, try to prepare in advance for your destination with its different

Inflight Workout

These exercises are designed to encourage a safe way to enjoy movement and stretch certain muscle groups that can become stiff as a result of long periods sitting. They may be effective in increasing the body's blood circulation and massaging the muscles. We recommend you do these exercises for three or four minutes every hour and occasionally get out of your seat and walk down the aisles if conditions allow. Each exercise should be done with minimal disturbance to other passengers. None of the following should be performed if they cause pain or can not be done with ease.

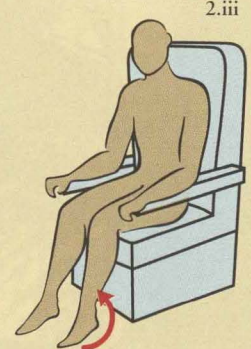
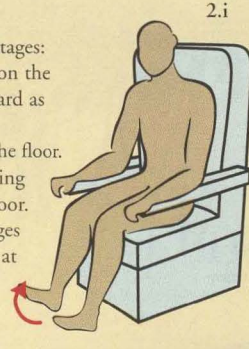
1. Ankle Circles

Lift feet off the floor. Draw a circle with the toes, simultaneously moving one foot clockwise and the other foot counter clockwise. Reverse circles. Do each direction for 15 seconds. Repeat if desired.



2. Foot Pumps

This exercise is in three stages:
 (i) Start with both heels on the floor and point feet upward as high as you can.
 (ii) Put both feet flat on the floor.
 (iii) Lift heels high, keeping balls of the feet on the floor.
 Continue these three stages with continuous motion at 30 seconds intervals.



Medical Information

time zone; adjust your meal and rest times to be closer to those of your destination.

- Try some light exercise - go for a brisk walk, or do some reading if you can't sleep after arrival at your destination. It generally takes the body's biological clock approximately one day to adjust per time zone crossed.

Cabin Humidity/Dehydration

Humidity levels of less than 25 percent are common in the cabin. This is due to the extremely low humidity levels of outside air supplied to the cabin. The low humidity can cause drying of the nose, throat, eyes and it can irritate contact lens wearers.

We recommend that you:

- Drink water or juices frequently during the flight
- Drink coffee, tea and alcohol in moderation. These drinks act as diuretics, increasing the body's dehydration.
- Remove contact lenses and wear glasses if your eyes are irritated. Use a skin moisturiser to refresh the skin.

Eating and Drinking

Proper eating and drinking will enhance your comfort both during and after your flight.

We recommend that you:

- Avoid overeating just prior to and during the flight. It is difficult to digest too much food when the body is inactive.
- Drink coffee, tea and alcohol in moderation. These drinks act as diuretics, increasing the body's dehydration.

Cabin Pressurisation

It is necessary to pressurise the outside air drawn into the cabin to a sufficient density for your comfort and health. Cabins are pressurised to a maximum cabin altitude of 2440 metres. It is the same air pressure as if you were at an elevation of 2440 metres above sea level. The cabin pressure and normal rates of change in cabin pressure during climb and descent do not pose a problem for most passengers. However, if you suffer from upper

respiratory or sinus infections, obstructive pulmonary diseases, anaemias or certain cardiovascular conditions, you could experience discomfort. Children and infants might experience some discomfort because of pressure change during climb and descent. If you are suffering from nasal congestion or allergies, use nasal sprays, decongestants and antihistamines 30 minutes prior to descent to help open up your ear and sinus passages. If you have a cold, flu or hayfever, your sinuses could be impaired. Swollen membranes in your nose could block your eustachian tubes - the tiny channels between your nasal passages and your middle ear chamber. This can cause discomfort during changes in cabin pressure, particularly during descent.

Recommendations:

- If you have a pre-existing medical condition that warrants supplemental oxygen, you can order from us. Please give at least seven days notice before travelling.
- To "clear" your ears try swallowing and/or yawning. These actions help open your eustachian tubes, equalising pressure between your middle ear chamber and your throat.
- When flying with an infant, feed or give your baby a dummy during descent. Sucking and swallowing will help infants equalise the pressure in their ears.

Motion Sickness

This ailment is caused by a conflict between the body's sense of vision and its sense of equilibrium. Air turbulence increases its likelihood because it can cause movement of the fluid in the vestibular apparatus of the inner ear. If you have good visual cues (keeping your eyes fixed on a non-moving object), motion sickness is less likely to occur.

Recommendations:

- When weather is clear and you can see the ground, sea or horizon, you are less susceptible to motion sickness.
- You can buy over the counter medications but we recommend that you consult your doctor about the appropriate medications.

With thanks to Qantas and the Boeing Corporation for allowing us to reproduce this material.

Inflight Workout

3. Knee Lifts

Lift leg with knee bent while contracting your thigh muscle. Alternate legs. Repeat 20-30 times for each leg.



4. Neck Roll

With shoulders relaxed, drop ear to shoulder and gently roll neck forward and back holding each position about five seconds. Repeat five times.



5. Knee to Chest

Bend forward slightly. Clasp hands around the left knee and hug it to your chest. Hold stretch for 15 seconds. Keeping hands around the knee, slowly let it down. Alternate legs. Repeat 10 times.



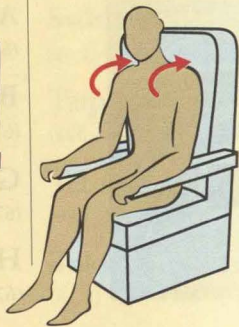
6. Forward Flex

With both feet on the floor and stomach held in, slowly bend forward and walk your hands down the front of your legs toward your ankles. Hold stretch for 15 seconds and slowly sit back up.



7. Shoulder Roll

Hunch shoulders forward, then upward, then backward, then downward, using a gentle circular motion.



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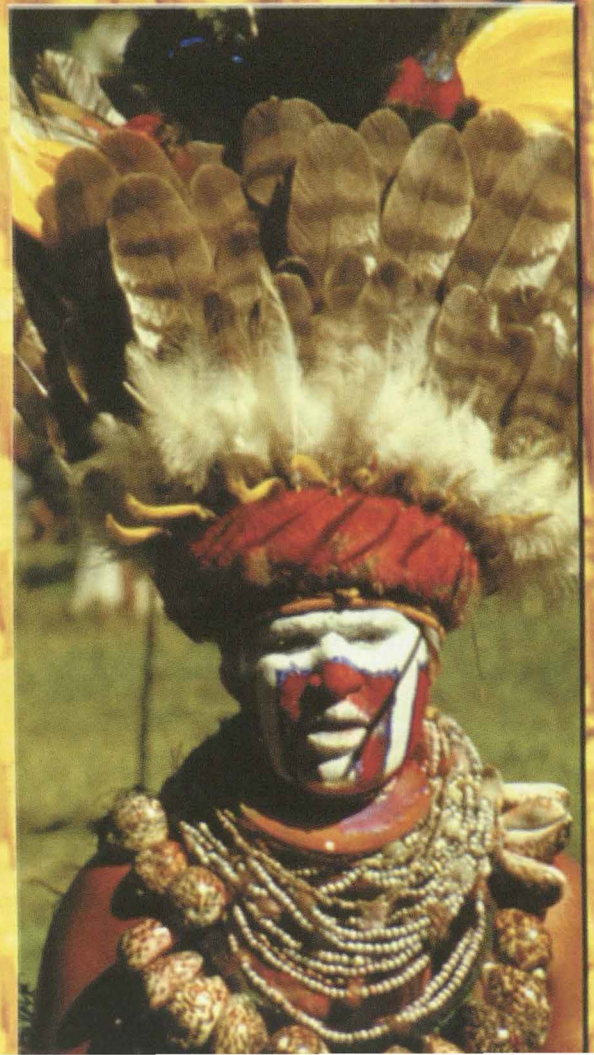
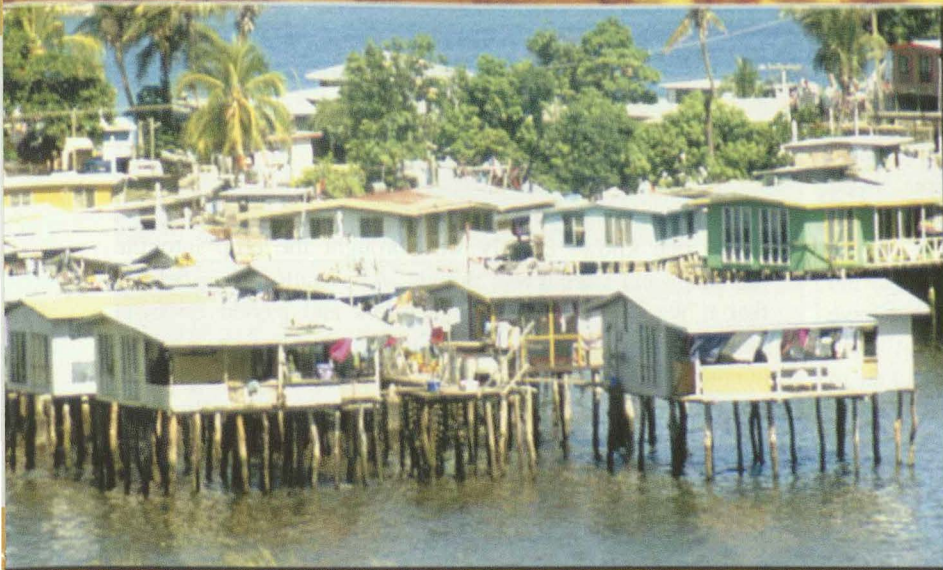
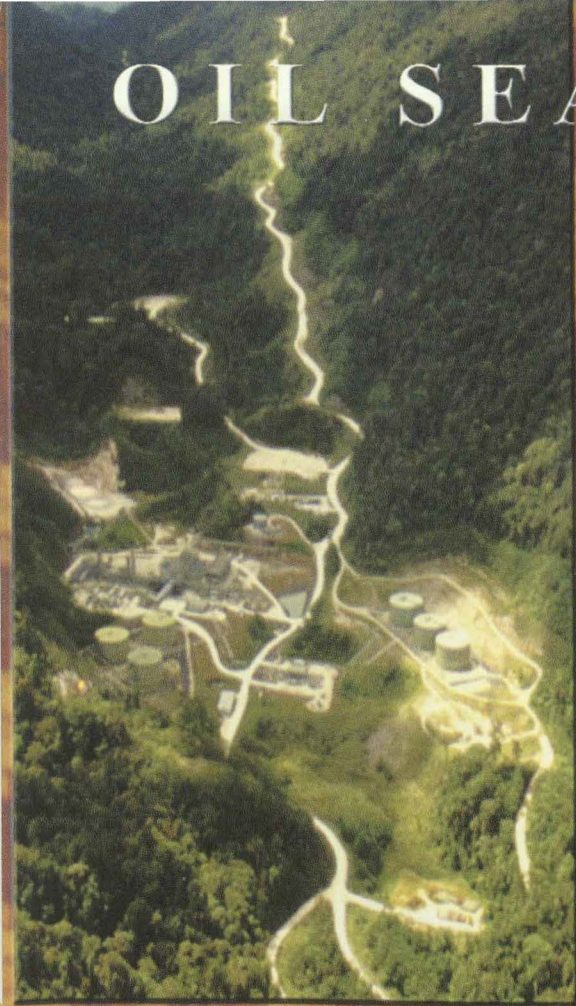
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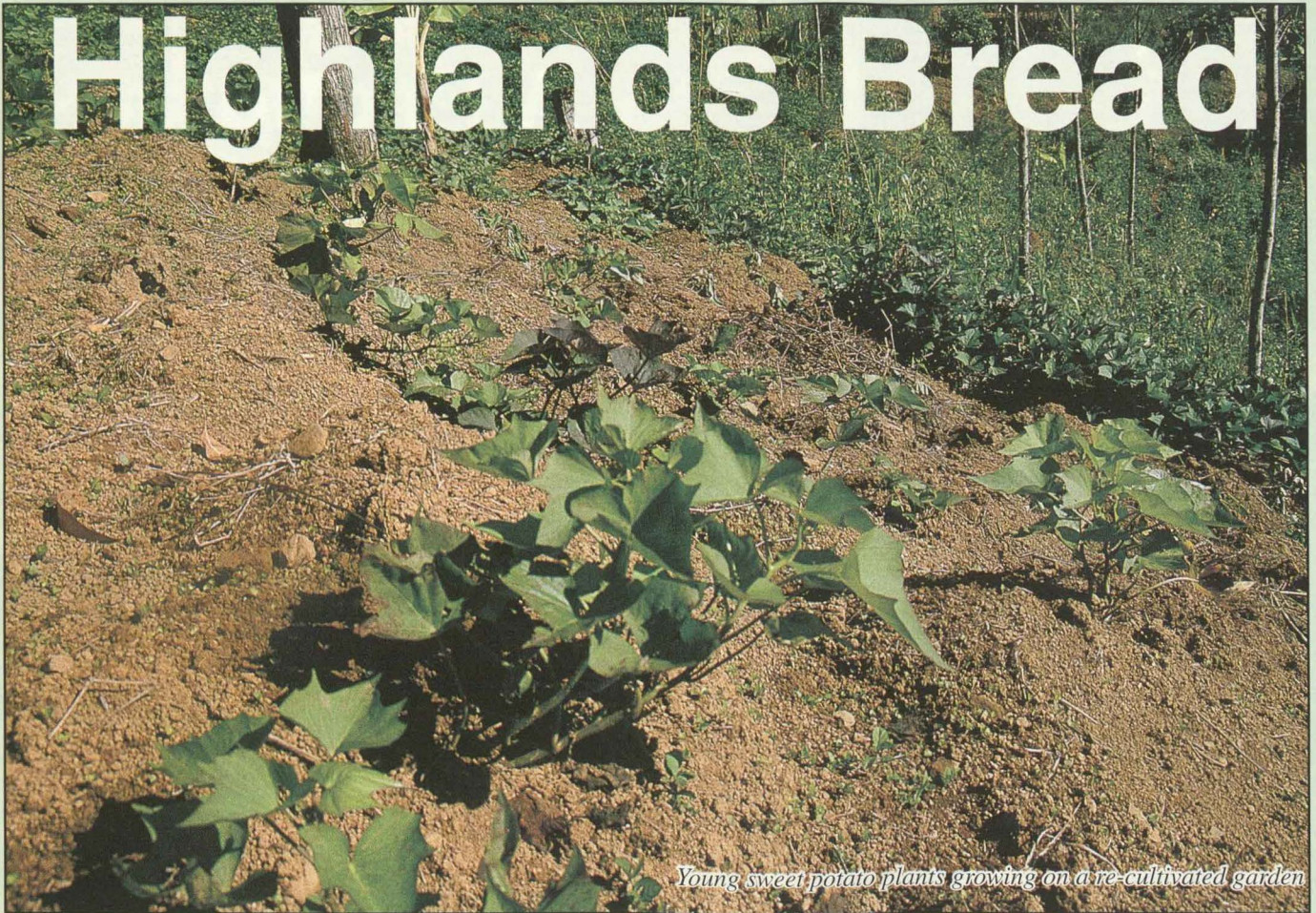
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Highlands Bread



Young sweet potato plants growing on a re-cultivated garden

Story and photographs by Dilu Deck

Throughout Papua New Guinea there are a variety of staple foods including taro, yam, banana, sago and sweet potato. In the highlands region, a region with an estimated population of more than 1.5 million people, sweet potato (*Ipamoea Batatas*) or kaukau as more commonly called in Tok Pisin is the main food for the people.

Almost everyone living in rural highland areas eats sweet potato daily. Those working and living in urban areas have access to manufactured food, but the high cost of store goods is encouraging increased consumption of kaukau in the towns also.

Sweet potato is the most important food crop in the region. Many different varieties are cultivated. Some species are suitable for growing at low altitude while others are better cultivated at high altitudes. Some types are grown best in open valleys while others are for hillsides, mountaintops and where there is frequent rainfall. There are variable tuber colours, sizes, shapes, flesh tastes, leaves and stem colours. The crop has more than 700 traditional names throughout the country.

As one youth bought some fried sweet potatoes from a local roadside vendor, he said: *We are eating our highlands bread — our bone*. And it really is the natural daily bread for us, the highlanders.

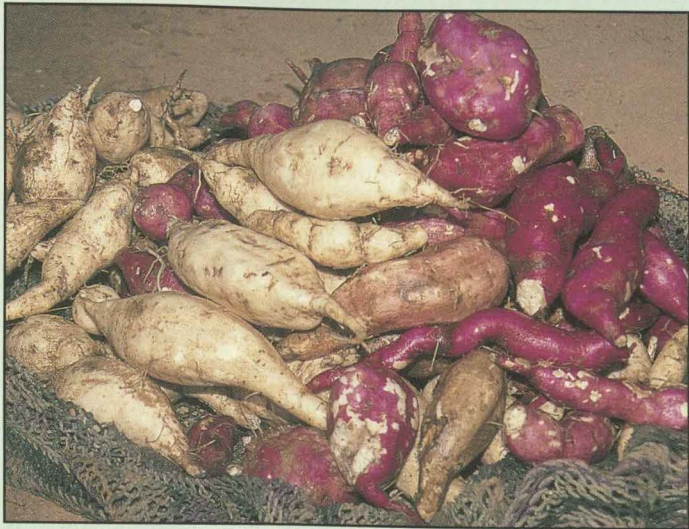
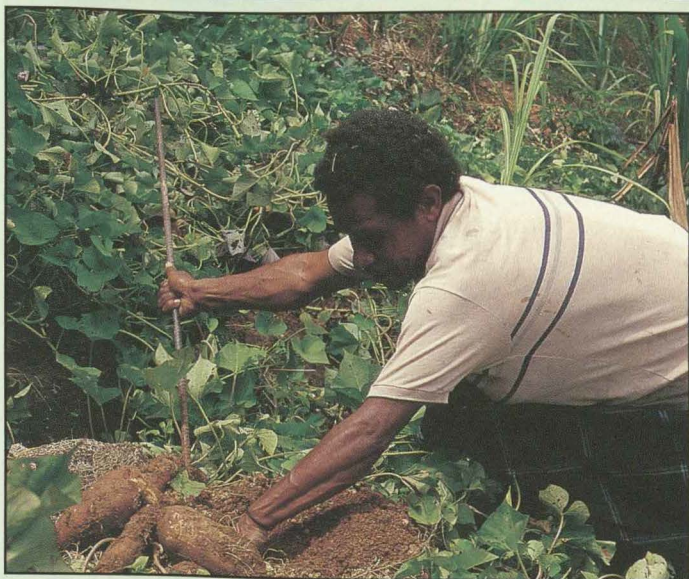
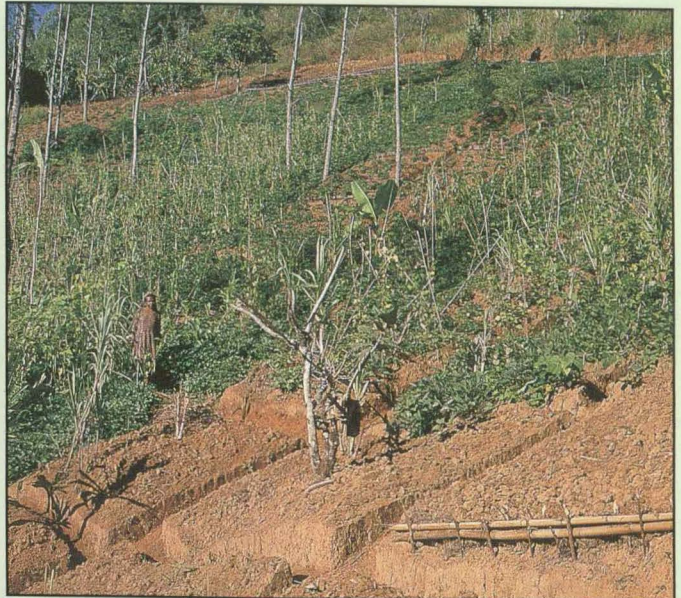
Kaukau em bun yah, is a common saying by people in the highlands. It means sweet potato is like bone, the source of body strength and life.

The crop is also cultivated in some coastal areas, but there it is a supplementary food, not a staple.

No one knows exactly who brought the crop into the highlands and when it was brought. As a result, people believe that it was grown by their ancestors and passed on from generation to generation. With modernisation, several hundreds of sweet potato species have invaded the highlands from unknown destinations and the native varieties are gradually dying out and disappearing.

The kaukau yield depends upon the suitability of the soil, topographical features and other factors. Some types grow well and produce plenty of edible tubers in fertile valleys but are less productive on slopes and at higher altitudes where there is cold temperature. The gardeners are clever at selecting the crop types that are appropriate for their locality. Because the crop has no season to plant and harvest, it is planted at any time in the year, so there are sweet potatoes to eat every day.

The farmers are wise and can vary their planting practices. This is done through years of gardening experience, inheriting and practising traditional skills and knowledge including customary precautions and taboos in gardening, which have been passed on from the generations before them.



Top: A man preparing the soil for planting sweet potatoes (kaukau) on a hillside.

Middle: A woman digging the kaukau with her digging stick.

Above: Washed tubers of kaukau

Top: In the foreground is new prepared and tilled land. In the background is an established garden.

Middle: Washing the tubers in a small creek

Above: Preparing tubers for cooking



Returning from a garden with a bilum full of kaukau

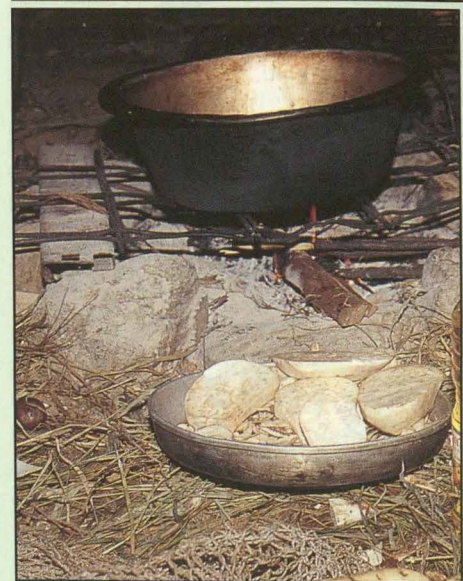
A rural highlands family may have several gardens of sweet potato with a mixture of variable short and long-term crops. This intercropping system of gardening is common. The gardens are designed and cultivated in their respective customary way with about 80 per cent being sweet potato plants.

Women with the aid of their older daughters make the mounds and plant the cuttings of the sweet potato vines. In some areas they make small mounds while in other areas like Enga Province, they make huge mounds and plant several stocks on one mound. The women weed and look after the garden until the crop is ready to dig. Usually no fertiliser is used. There are sufficient nutrients in the soil.

There are no pests to destroy this root crop and generally there are no major diseases. Occasionally rats and cuscus help themselves to the plants.

The vines creep on the ground and grow about 100cm radius from the stump base. Only the tubers are edible. Leaves are given to the pigs and the top portion of the stems is used for propagation of new plants. Usually it takes about six months from planting to harvesting. When the leaves turn pale yellow, it is time to harvest.

This highland bread is not manufactured bread, like the wheat-flour variety. It is grown in the garden, dug up and cooked according to people's own different ways, served and eaten by oneself or with the entire family. How it is cooked is determined by each family or individual desire — peeled and boiled in pots or a copper dish with other foodstuffs, roasted on the fire or cooked with other vegetables and meat in earth-ovens (mumu).



Top: *Kaukau displayed for sale at Goroka town market.*

Left above: *Peeled kaukau ready to be fried in the copper dish over flame*

Middle above: *Kaukau cooking in the embers (ash) in the fire place.*

Right above: *Kaukau cooking in earth-oven (mumu)*

The tubers are dug by the women and girls, who carry them in their bilums to a nearby river to wash off the soil. They dig just enough kaukau to keep for one or two days because sweet potatoes do not stay good for very long. At home, they sort out the big roots for people and small ones for animals. Sometimes, very large tubers are preserved for special occasions such as feasts, bride price or other social activities that may occur in the village.

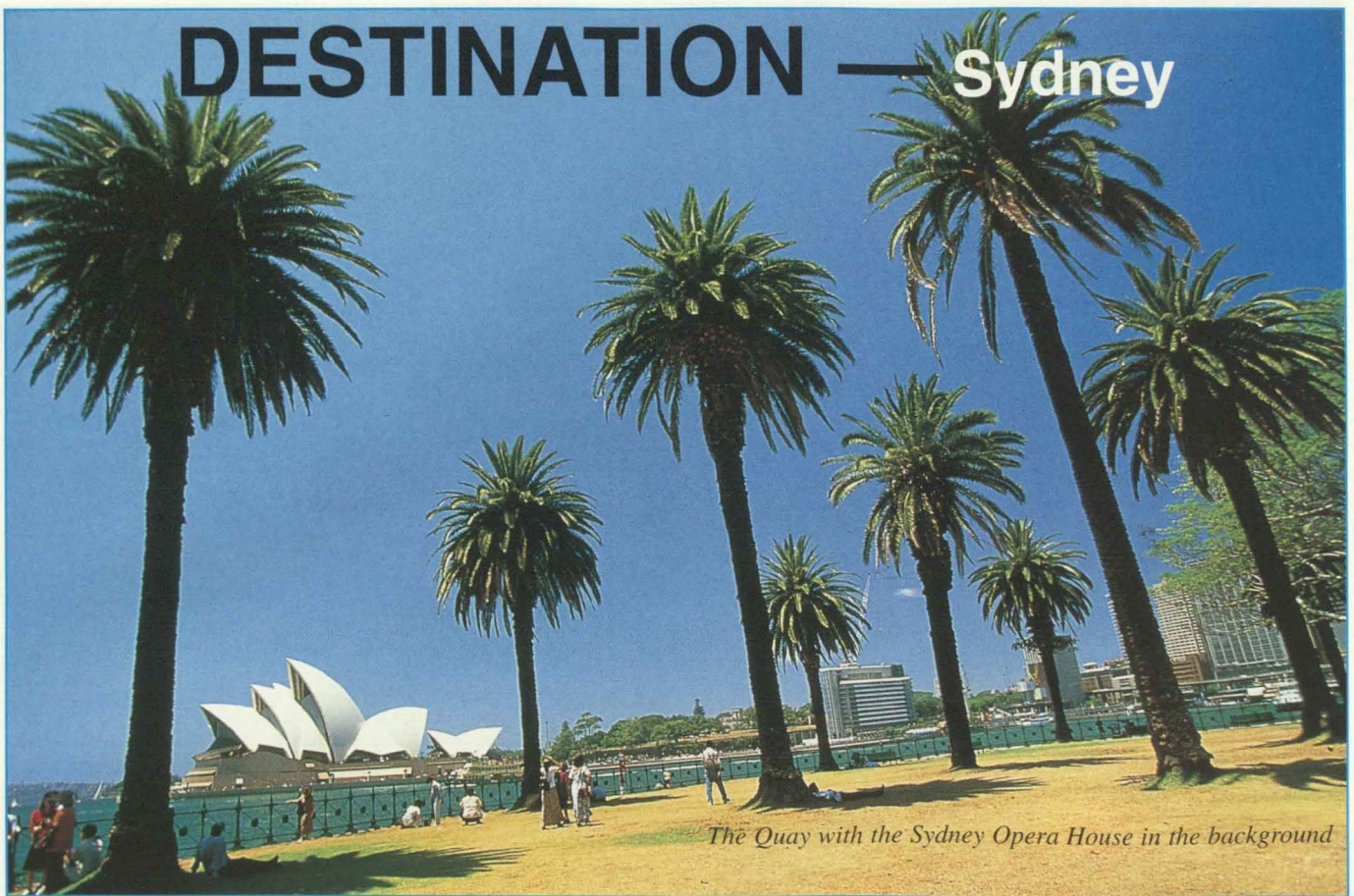
Some families with plenty of sweet potatoes make money from selling them. They are expensive in some markets. When there is less production and high demand for kaukau the price is higher. In some rural markets in Simbu, seven pieces of tubers sell for K1 and 15 pieces for K2. In town kai bars, one piece of kaukau could sell for 30t or more.

Highland families are serious about making their sweet potato garden. If no garden is made, the whole family with their animals could go hungry, suffer and even die. Often they have two garden areas, rotating their crops between the two. When they move to the new garden, they let the old garden grow vegetation, and plant cassavarina seedlings to replenish the soil fertility before they re-cultivate after three to five years.

In our prayers we ask God to give us our daily bread, and this Highlands Bread is what God provides for us.



DESTINATION — Sydney



The Quay with the Sydney Opera House in the background

Story: Rick J Smee

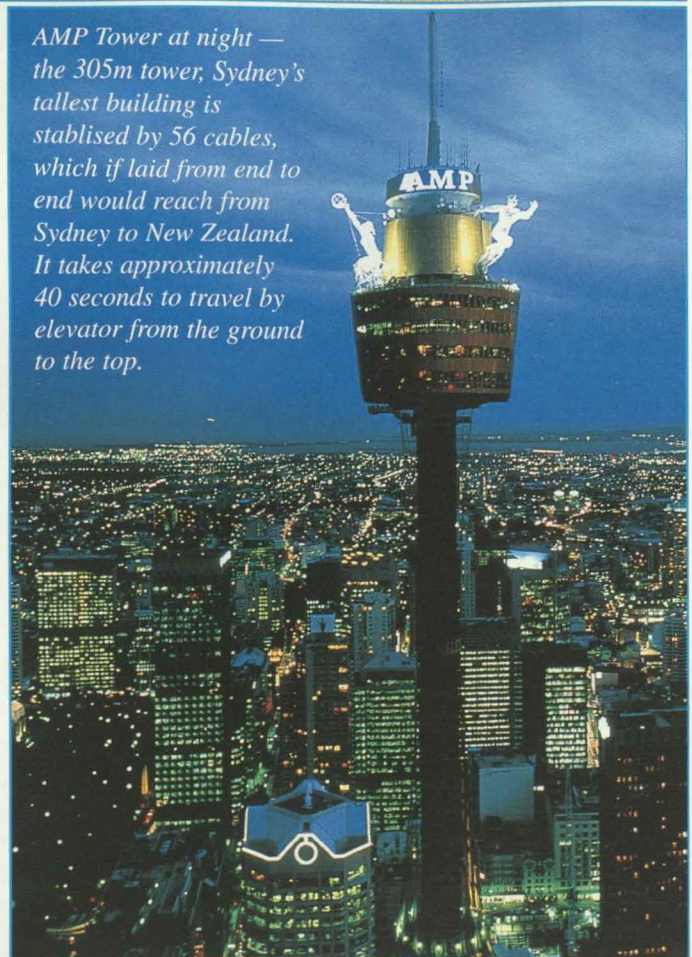
Photographs: Tourism New South Wales

It had been a long time between drinks, 20 years in fact, but within a few minutes of climbing aboard a taxi at Sydney's Kingsford Smith airport, it was obvious that things had changed. It had never crossed my mind that a visit to my old hometown could be such an enchanting and thrilling voyage of rediscovery.

Unlike the modest buildings remembered from my childhood, the skyline of Sydney now soars above its busy streets and glorious harbour, like glass and steel monuments to a people united by optimism and enterprise. Sydney has become one of the world's great multicultural cities, with more than one third of its population born overseas. Sydney is a sophisticated and dynamic capital where gastronomic delights from all corners of the globe wait to tempt. Creating succulent dishes from the freshest local produce in season is just one ingredient of the 'modern Australian' culinary style. A blend of Mediterranean and Asian flavours adds to this innovative and distinctive approach, which has become extremely popular with local and international gourmets alike and placed Sydney well and truly at the hub of the world food map.

From Chinatown, near the Town Hall, to 'Little Italy' in Leichhardt, or Marrickville where Lebanese, Middle East and Vietnamese delicacies ravish the taste buds, the Olympic City is truly an epicurean paradise. However no meal in Sydney would be complete without a glass of the world class, locally produced wine. New South Wales boasts in excess of two hundred excellent wineries.

AMP Tower at night — the 305m tower, Sydney's tallest building is stabilised by 56 cables, which if laid from end to end would reach from Sydney to New Zealand. It takes approximately 40 seconds to travel by elevator from the ground to the top.



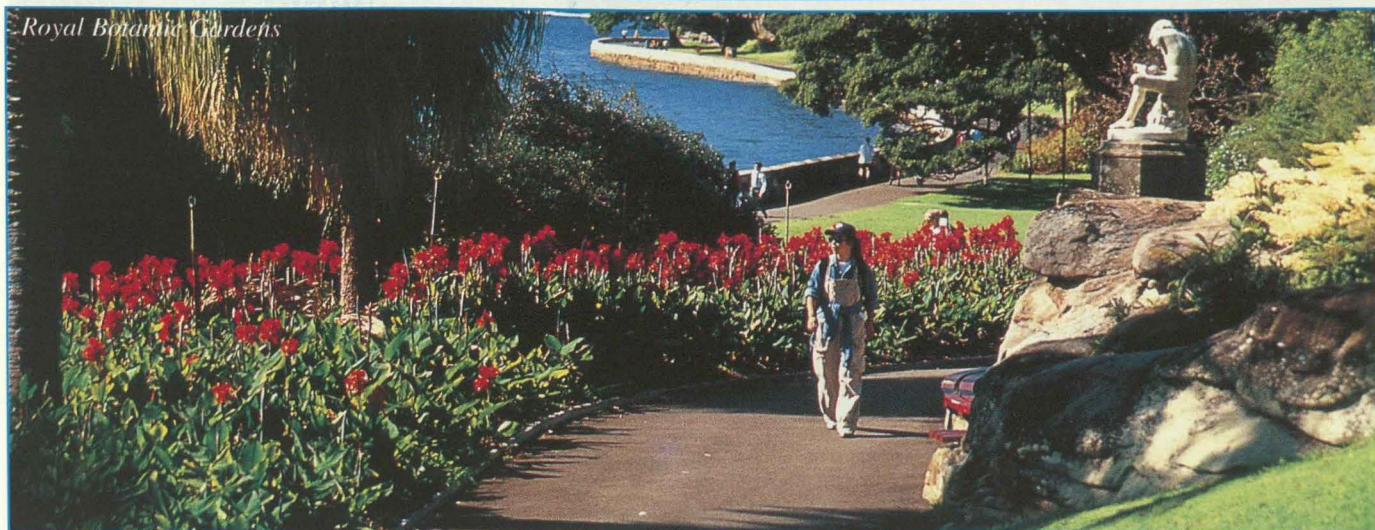
Despite the accent on fine food, shopping remains the most popular tourist activity in Sydney. In the city of four million people, A\$20 billion of retail sales are run up each year and competition amongst retailers is fierce, so a bargain is never difficult to find. The exquisitely restored Queen Victoria shopping complex (photo on right) near the Town Hall was described by Pierre Cardin as 'the most beautiful shopping centre in the world'. Other shopping complexes, major department stores, chic boutiques, malls and arcades are dotted throughout the city, ready to surprise and tempt any casual browser.

Adjacent to Sydney Cove where Governor Arthur Phillip landed in 1788 are the legendary 'Rocks'. This district of superbly restored colonial buildings is home to a plethora of museums, restaurants, galleries and workshops. Superb ceramics, glassware, aboriginal dreamtime inspired paintings, carvings and wood products, silk, pottery, jewellery, leatherwork, clothing, watercolours and oils can all be found here. The narrow winding streets of this once notorious district harbour a stunning array of exclusive gifts and souvenirs.

Some great old pubs can also be found in the Rocks. In all there are 13 historic hotels still operating in the precinct. Their architectural heritage can be seen engraved on timeworn facades and retained in the polished interiors of these waterfront watering holes. The first hotel was built here in 1806 and according to local legend one pub in the Rocks actually had a secret passage under its basement which enabled ruffians to 'shanghai' young men to serve as forced labour to serve onboard ships ready to set sail. While the raucous sounds of old sea shanties may be gone, these rollicking pubs still resound with happy music. Today it is jazz, swing or rock'n'roll, which set the toes a-tapping.



Royal Botanic Gardens





In 1998 Fox Studios opened and since that time it has not only become a major tourist attraction, but also a global centre for movie-making with such features as *The Matrix*, *Pig in the City*, *Mission Impossible 2*, *Moulin Rouge* and *The Red Planet* gaining international success. Few first time travellers to Sydney leave without a visit to the Sydney Opera House, which is one of the busiest performing arts centres in the world with 2,300 performances annually.

The Australian Museum in College Street is one of the finest natural history museums anywhere. It is here that scientists recently embarked on a project to clone the extinct Tasmanian Tiger. Nearby are Parliament House, St Mary's Cathedral, the Art Gallery of NSW and the Anzac Memorial. A 40-minute drive from the city centre along the M4 motorway takes fun lovers to the largest theme park in the Southern Hemisphere — Wonderland Sydney.

Sydney is justifiably proud of its beautiful beaches, which run from Palm Beach on the northern peninsula to Cronulla in the south. Bondi (*photo on left*) is probably Australia's most famous beach and is a classic example of Sydney's beach culture. The wide, golden beach itself stretches for about one kilometre and is home to two of the nation's oldest surf lifesaving clubs. Bondi Lifesaving Club was founded in 1904 and North Bondi 1907. Other famous Sydney beaches include Manly, Maroubra and South Narrabeen.

Sport plays a major part in the lives of Sydneysiders and visitors don't have to go far to find world class sporting action. Bledisloe Cup Rugby Tests have attracted record crowds of 110,000 delirious spectators. ARL competition continues each weekend until the big day in September. Aussie Rules is enjoying growing popularity through the Sydney Swans and the National Soccer League attracts enthusiastic crowds. During summer the SCG hosts test and one day international cricket matches. The Sydney to Hobart Yacht Race commences every Boxing Day and Surf Lifesaving competition commences around October and continues until March each year. The City to Surf Marathon, which takes place in August, is open to all.

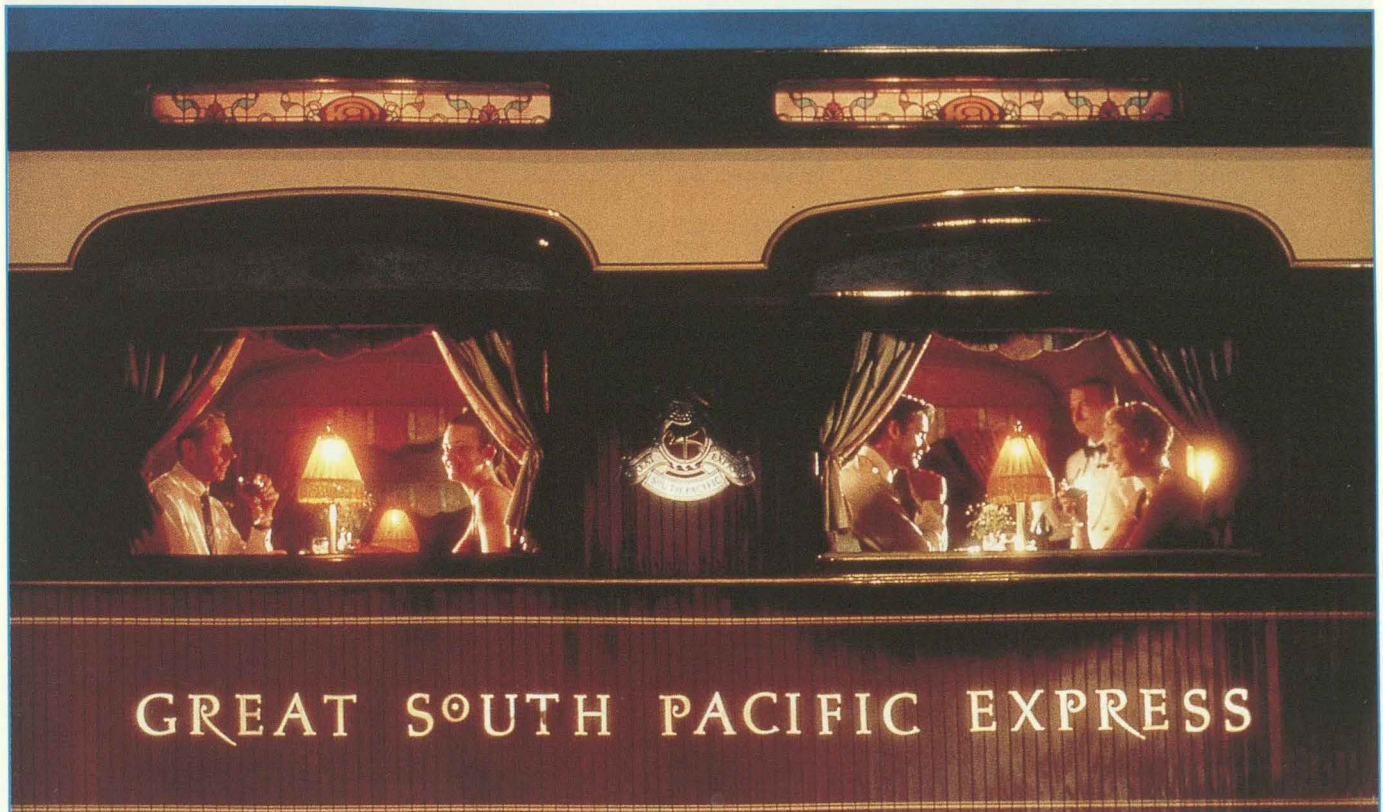
The Royal Easter Show at its new location at Homebush Bay is a family favourite which brings the country to the city. Taronga Park Zoo on the harbour foreshore has received worldwide acclaim for its superb location, highly successful breeding programmes and magnificent exhibits. Possibly the city's most spectacular event takes place on New Year's Eve when a brilliant pyrotechnic display lights up the night sky above the Harbour Bridge and Opera House (*photo on left*).

The Sydney Harbour Bridge, which links the northern suburbs to the city, was completed in 1932. This engineering masterpiece took ten years to build and is 1,149m in length. Ninety-five thousand cubic metres of concrete, 8,000,000,000 rivets and 272,000 litres of paint were used during its construction. Grey was the preferred colour for the 'coat hanger' as it was the only colour available at the time. The sandstone pylons at each end are for decorative purposes only and serve no structural function. The Bridgeclimb Company offers escorted climbs to the summit during daylight hours.

Sydney is Australia's largest, most sophisticated and cosmopolitan city. It is also the gateway to many diverse and wonderful worlds including the Snowy Mountains, the Outback, the Blue Mountains and the Hunter Valley. Some of the world's great train journeys, which include the Indian-Pacific (to Adelaide and Perth), the Great South Pacific Express (to the Hunter Valley, Brisbane, Great Barrier Reef, Kuranda and Cairns) and the Ghan (to Adelaide and Alice Springs) depart from Sydney. Circular Quay at Sydney Cover is the main departure point for South Pacific cruises. Whether it is arts and culture, fine dining, historic buildings and pubs, sporting events, beaches, music concerts, live shows or just a fantastic weekend getaway, Sydney has it all.

Last year the Olympic Games, which were hailed as 'the best ever!' showcased the city of Sydney to the world. Today their legacy of goodwill, enterprise and efficiency burns just as brightly as ever. Sydney continues to wait expectantly, ready to delight and amaze each and every visitor to the city of surprises.

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Yo'Obo longhouse and village overlooking Lake Kutubu

Longhouses of the Southern Highlands

Story and photographs by John Brooksbank

Like entering your mother's womb. This is how the Foe people of the Southern Highlands feel when going into their traditional longhouses, or *aa hua*, which literally means 'mother house'. Ironically these longhouses are almost totally a male domain, hence their name in Tok Pisin — *haus lain* or *haus man*.

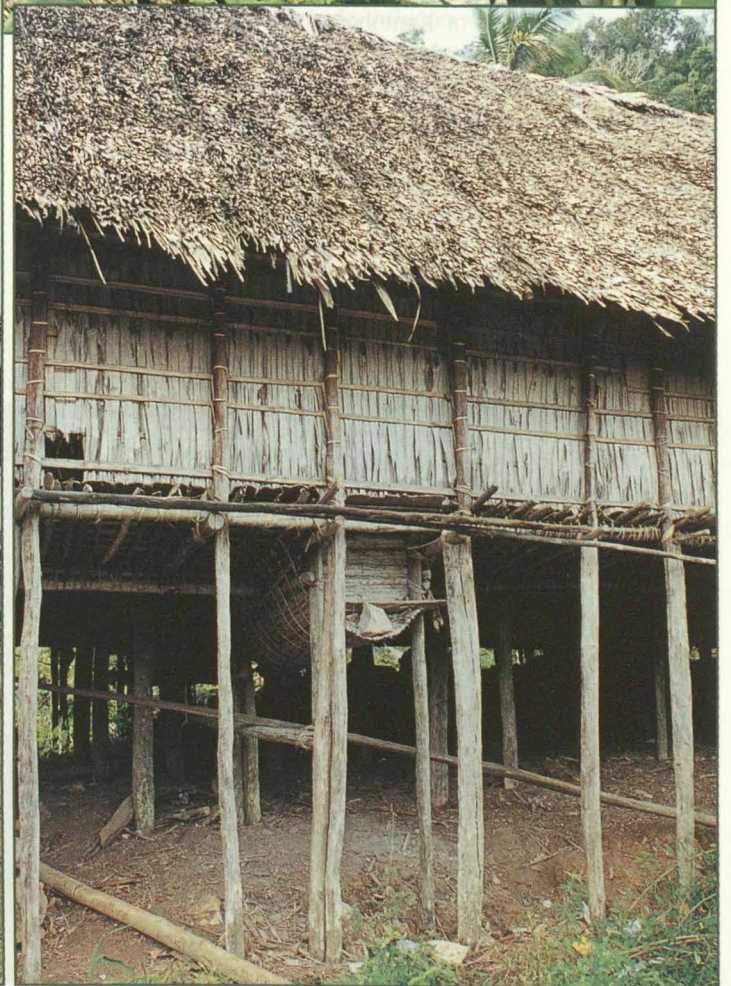
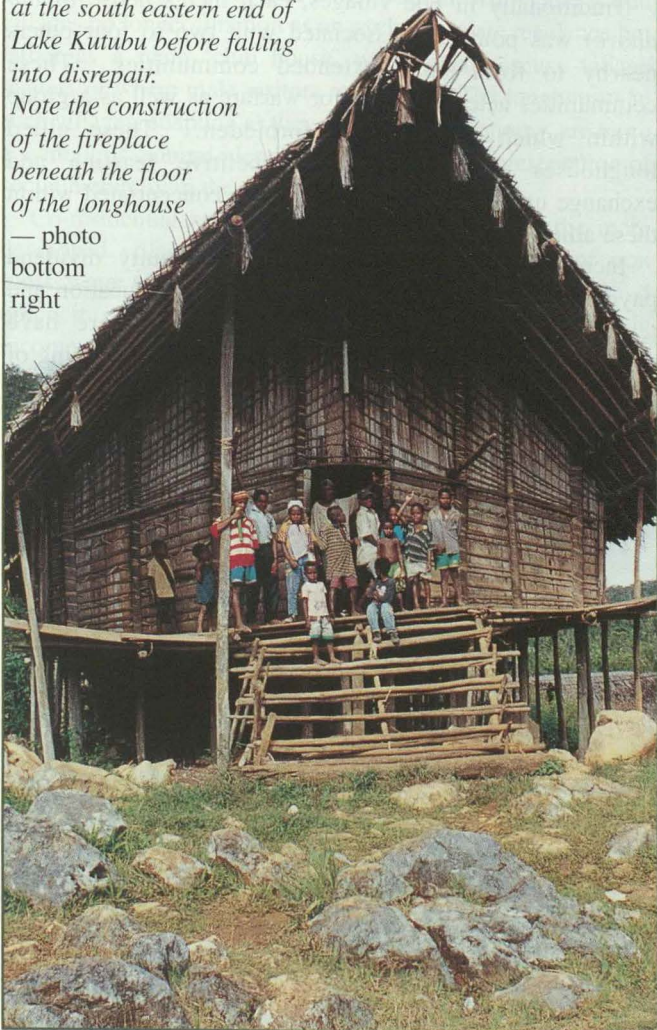
The longhouses of the Foe and Fasu people who live around the beautiful Lake Kutubu are much more than just physical places of residence. They are symbolic representations of traditional ideas about men and women, life and death. Longhouses are constructed with similar verandahs and valences at either end. The end facing a river or lake is associated with the flow of water, pearl shells and hence marriage. Its symbolic and actual opposite is associated with women and death. This is similar to *haus tambaran*, or spirit houses of the Sepik Region, which also have entrance boards conceived to represent female genitalia.

Longhouse communities are organised as a central communal men's dwelling flanked by smaller individual women's houses on each side. Women and children lived in these small family houses, with usually one house for each wife. Foe and Fasu communities vary in size between 36 and 300 people subsisting on the harvesting of sago and collection of fish and other foodstuffs from the surrounding bush. Traditionally, and still today in most villages, there is little evidence of any organised gardening other than the replanting of sago palm suckers in swamp land.

Internally the longhouses are divided into fireplace units. The ordering of the sections and occupants of a longhouse reflected political prestige. The headman usually slept at the apex of the building whilst other men slept in the sections between fireplaces according to clan and sub-clan affiliation. The men's house in the Foe village of Hegeso in 1980, for example, had 22 fireplace units, which represented more than ten clan units.



*Longhouse at Gesege village
at the south eastern end of
Lake Kutubu before falling
into disrepair.
Note the construction
of the fireplace
beneath the floor
of the longhouse
— photo
bottom
right*





One can imagine what life must have been like in such communities just by sitting in the confines of a longhouse. In the Lower Foe village of Kantobo on the banks of the Mubi River we once sat with the elders, wiry, wizened old men, discussing Chevron Niugini activities that impact their world. We entered up a shady stick ladder into the dim dark interior — a suitably sombre place for discussion and debate, a place fit for serious men’s business.

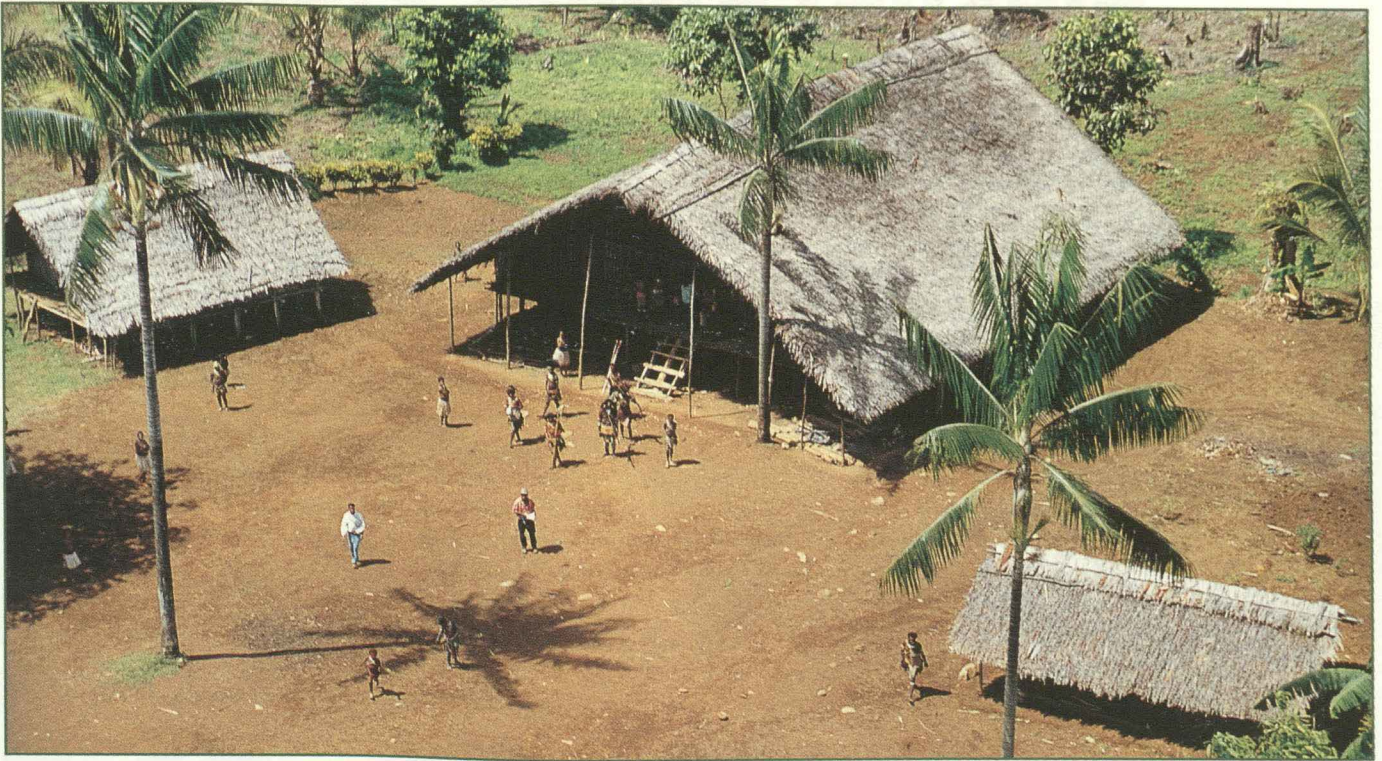
The air was thick with the smoke of the still smouldering cooking fires, each next to its neat stack of precisely split firewood. Like open bookcases, frameworks of black palm staves dividing long house sections are shiny and smoke blackened. Smoke no doubt also kept some of the mosquitoes at bay.

Kaipu village longhouse — one of the last longhouses to be found in Fasu speaking villages

Traditionally in Foe villages, each men’s house (*photo above*) was politically associated with two to four others nearby to form small extended communities. These communities acted as a unit for warfare as well as a group within which warfare was forbidden. These allied longhouses also comprised competitive feasting and exchange units. Marriage tended to be concentrated within these allied communities.

Increased incomes from royalty and equity dividend payments associated with oil developments, education and temporary absences by men to work elsewhere have changed community views towards the use and meaning of longhouses.





This is especially evident in some of the Fasu villages in the Kutubu oil project area. The longhouses of Sisibia and Kaipu villages no longer function as an exclusive male residence but rather as a male 'club house' where men discuss village matters or where male visitors might stay. The longhouses in such villages, adapting as they are to a cash economy, are more a symbol of cultural identity than a material representation of social hierarchy in the community.

Co-residential households are now the norm in the more developed villages where the increased occurrence of iron roofs, water tanks, reticulated water systems, solar panels and other introduced conveniences reflect higher disposable incomes. Since the residents of Sisibia, Kaipu and other Fasu villages are major recipients of financial benefits from the Kutubu oil project, this is hardly surprising.

Thriving longhouse communities are still to be found in Onabasulu villages in the Mount Bosavi area to the west of Lake Kutubu. There has been little development of any sort in this region, the only outside influences in recent years being that of Evangelical Church of Papua missionaries and thus traditional patterns of residence have remained.

Until earlier this century, the people of present day Gulf and Western Provinces living in villages on the shores of the great deltas of the Kikori, Purari, Bamu and Turama Rivers, all resided in longhouse communities. These were well documented by early colonial explorers and missionaries but have almost all been lost in the developments of the past 50 years.

Above: Onabasalu longhouse at Dedesa village on the slopes of Mt Bosavi

Below: Dubus of the Papuan Gulf photographed by Frank Hurley in the 1920s



The central feature of these small delta settlements was the *dubu* or men's house, which housed adult males and ranged from 30-100 metres in length. As is the case of Foe and Fasu, these *dubus* were flanked by women's houses. Photographs taken by Frank Hurley in the early 1920s clearly show the stunning design and construction of these buildings.

Realising their importance in local society it was these *dubus* that were usually destroyed by the officers of the colonial administration during punitive raids to catch murderers, such as those that occurred after Reverend James Chalmers and 12 mission workers were killed on Goaribari Island in 1904. A retaliatory expedition led by Administrator Sir George Le Hunte burned down *dubus* in all the main villages on the island.

This similarity between the longhouse communities of the Papuan Gulf and those of the Foe, Fasu and Onabasulu cultures is an obvious reflection of the flux of traditional trade between these people. Hand in hand with trade went an exchange of language, legends, beliefs and residential styles.

Longhouse at Tugiri village on the shore of Lake Kutubu



Many villages now embrace various Christian religious and churches have been constructed. It seems that the communities consider that old and new spiritual beliefs are not mutually exclusive and in fact can co-exist in every sense — church and longhouse are often built side by side. In some places it would seem that the new gods of commerce are similarly revered, with village trade stores also constructed adjacent to the longhouse.

The construction of a longhouse takes a huge community effort, requiring co-operation from everyone in the village in the digging of post holes, cutting of trees and collection of sago palm fronds for roof thatching. Sadly in some villages, such as Gesege, longhouses are not being rebuilt when they fall into disrepair. This is due to many reasons — including new religious beliefs, increased education leading to co-residential households and a fading of the influence of tradition and therefore the rationale behind such a mammoth construction exercise.

If you are lucky enough to be flying over the Southern Highlands, keep a sharp lookout (downwards!) for the distinctive layouts of longhouse village communities — they unfortunately might not be around for very much longer. 🌏

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Beach Rescue



Story and photographs by Eric Lindgren

The year was 1943.

Newspaper correspondents covering the war in the South West Pacific Area (SWPA) commanded by General Douglas MacArthur needed human interest stories to satisfy their readers. Australian and US newspapers and magazines, especially, were reporting the war in Papua New Guinea and the Solomons with dreaded regularity. The Kokoda Trail and Buna-Gona campaigns in Papua and the Guadalcanal campaign in the Solomons had ended in the latter half of 1942. Fierce fighting in both areas had demonstrated to the public the tremendous efforts needed to regain control of once-peaceful islands. Thousands of men had lost their lives in these battles; tonnes of equipment had been used and destroyed. Aeroplanes, in particular, were in short supply and great pains were taken to preserve the precious few needed for offence and defence. Kenney, Commander of the US 5th Air Force responsible for operations in the SWPA made continual entreaties to the War Office for 'planes, more planes please'.

George Strock, correspondent for the famed *Life Magazine of USA*, learned of these pleas and did his little bit to aid the war effort. He had nearly lost his life at Buna when taking photographs for *Life*. A Japanese 'corpse' had suddenly risen from the dead and aimed a gun at Strock. Fortunately a nearby doughboy had a rifle handy and the corpse received the bullet first. Strock vowed to search for stories demonstrating the resourcefulness of these doughboys and their comrades, and came across a 'heaven-sent' situation on a beach in Papua:

On Wednesday 16 September 1942 B-17 Flying Fortress *Frank Buck* was returning to Australia from a night raid on Rabaul. In the early hours of the morning something went wrong with the plane and the pilot, Lt Ray E Holsey, decided that it would be best to make a forced landing on a black-sand beach he could see below. Nearby villagers were astounded to see this monster from the skies descend upon their village. A successful landing (*photo above*) was made and the village people ran out to meet the aviators.

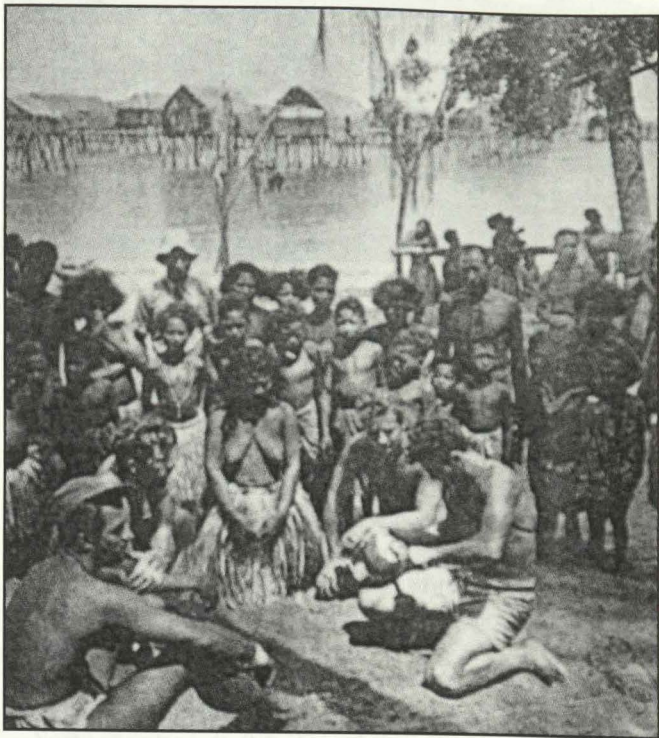
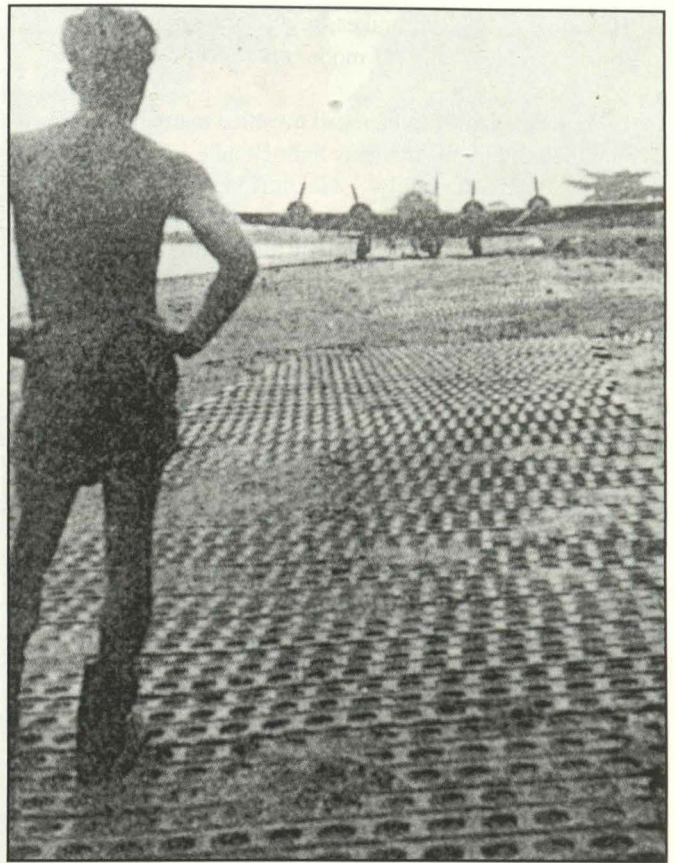
With Bolsey were crew members J B Young, Jack Ryan and J A Crockett (*photo below*). A quick inspection of the Fortress led to the conclusion that it could be saved. In conference with his fellow crew members Holsey decided that an effort should be made to take off along the sandy beach. Unfortunately, as the B-17 had slowed to a stop during its forced landing it had slowly sunk into the sand. Try as he might, Holsey could not budge it. So the aviators took their next option and radioed for assistance from the USAAF in Port Moresby.



It was concluded that the plane was too valuable for the war effort to be abandoned and that it was worth a try to send material to build a runway so the plane could take off from the beach.

The obvious choice for the surface was Marston Matting, also known as Pierced Steel Planking (PSP) (*photo on right*). This consisted of sheets of thick perforated steel that provided a portable heavy-duty medium that could be interlocked with adjacent sheets to form a hard stable surface over clay, sand, coral, etc. A shipment of PSP was dispatched to the locality and with the aid of 400 villagers, 230m of runway weighing 45 tonnes was laid on the beach. For their efforts the villagers received US\$200.00 and 75kg of twist tobacco.

While waiting for the PSP to arrive the aviators lived a simple existence. Positives were the fresh fish, (a welcome change from tinned Bully Beef), mangoes, pawpaws, pumpkins, bananas — all of which were exchanged for tobacco and sweets from the crew's C-Rations (*photos below*). Negatives were the perceptions of jungle pythons, sharks, giant rays, crocodiles, malaria and Japanese planes and commandoes.



On Friday 2 October 1942 the *Fortress Frank Buck* was manhandled onto the end of the makeshift runway (*photo on right*). Because the runway needed to be straight, and the beach was curved, the final 70m of steel matting was laid in shallow water.

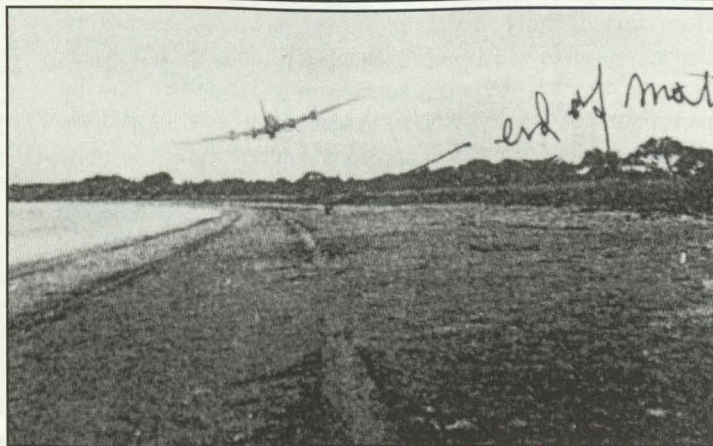
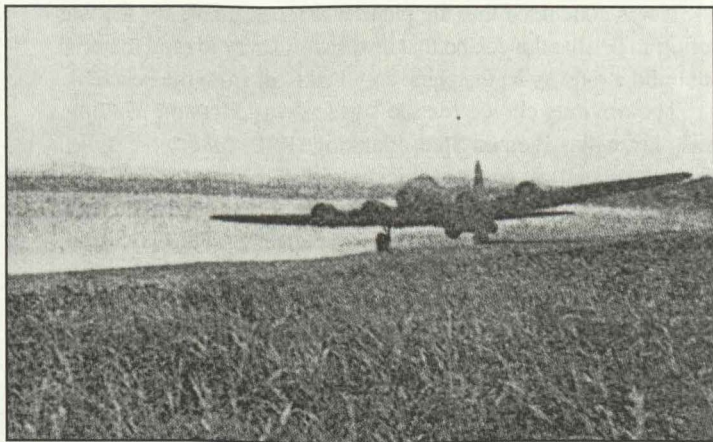
Holsey stood on the brakes, revved the engines, foot off brakes and into take-off mode (*photos on right*).

Success!

George Stock, the reporter, had travelled to the beach in a small liaison aircraft that was light enough in weight to land and take off safely. He stayed below taking photographs as *Frank Buck* took off, and captured the B-17's final pass over the beach as it turned for home. A passenger in this aircraft was George Johnston, an Australian war correspondent who later gave a first-person account of his Papua New Guinea experience in his *New Guinea Diary*, and wrote the classic Australian tale *My Brother Jack*. Stock went on to cover the war in other areas of the Pacific but his article in *Life*, 4 January 1944 was one of the most interesting and unusual of his career.

The real Frank Buck was a legendary 'big-game hunter' who spent much of his life in the jungles of Africa, capturing animals for display in zoos throughout the world. His motto and the name of his autobiography, *Bring 'em back alive*, was the stimulus for naming Holsey's B-17. This was not unique — in the nearby SoPac area, including the Solomons, B-17 41-2759 of the US 13th Air Force held the same name. In Holsey's case it certainly did bring them back alive!

By chance, in Torres Strait at much the same time, RAAF Beaufort bombers of Number 7 Squadron, based on Horn Island in Torres Strait, were engaged in routine anti-submarine patrols in the waters between Australia and Papua New Guinea.



In a sudden rain-squall *Winnie the Pooh*, squadron code Kt*M (A9-157), captained by Sgt Turner, was forced to land on the beach six miles from Mapoon Mission, 150km south of the tip of Cape York Peninsula. Through the rudder was damaged the plane was intact and, like B-17 *Frank Buck*, could not free itself from the sandy beach and return to base.

Officers of the RAAF's 12th Repair and Salvage Unit on Horn Island were notified and soon reached the site. After consultation with the crew and staff of the mission nearby it was decided to tow the plane along the beach back to Mapoon Inlet. Here it could be dismantled, then loaded aboard a ship to Horn Island where it could be re-assembled.

It was no easy job — the plane weighed over 9 tonnes and the tow along the beach took in soft sand, mud, drifted logs and creek crossings. Some 150 aborigines from the Mission, plus five horses, were involved. At Mapoon Inlet *Winnie the Pooh* was broken down into its assembly-components over a period of two weeks. These were crated and two pearling luggers were engaged to return the pieces to Horn Island where 12th R&S Sgn undertook the task of re-assembly. *Winnie the Pooh* flew again in the defence of Australia, a tribute to all, who had engaged in this second Beach Rescue.

The story of *Frank Buck* can be found in *Life Magazine* 4 January 1943. Vanessa Seekee, Curator of the private Horn Island Museum, wrote about *Winnie the Pooh* in *Flightpath* magazine Nov 2000-Jan 2001.

Dr Eric Lindgren is a freelance photo-journalist based in Brisbane. He spent 25 years in Papua New Guinea. His interests are wildlife, history and World War 2 in the south-west Pacific.

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Photos on this page: *Indigenous PNG orchids that grow wild at Tari*

National Capital Botanical Gardens, Port Moresby

By Wolfgang H. Bandisch
General Manager, National Capital Botanical Gardens

The National Capital Botanical Gardens are located within the grounds of the University of Papua New Guinea on some 25 hectares of land. André Millar established the gardens in 1971 and some of her ground breaking work is still evident, most prominently the large area of rainforest, an unusual sight in the dry and dusty Port Moresby during 'the Dry' season six months of every year. The Gardens were initially established as a teaching garden for the UPNG Biology Department and as a nursery to supply plants for the University grounds.

Mrs Millar promoted horticulture and an orchid industry in the country through her radio program 'PNG Gardener', and became one of the foundation members of the Orchid Society of Papua New Guinea.

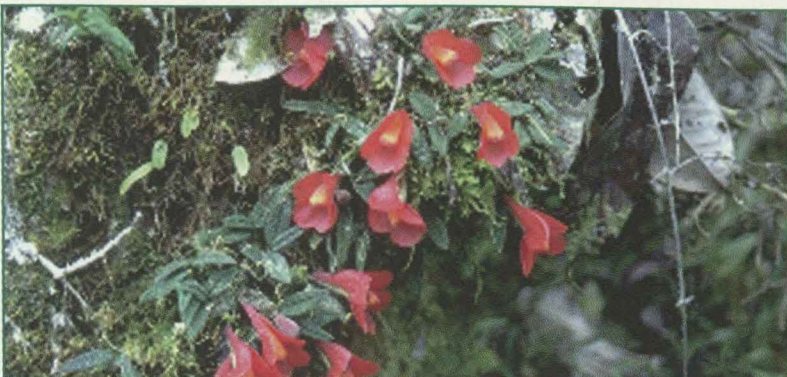
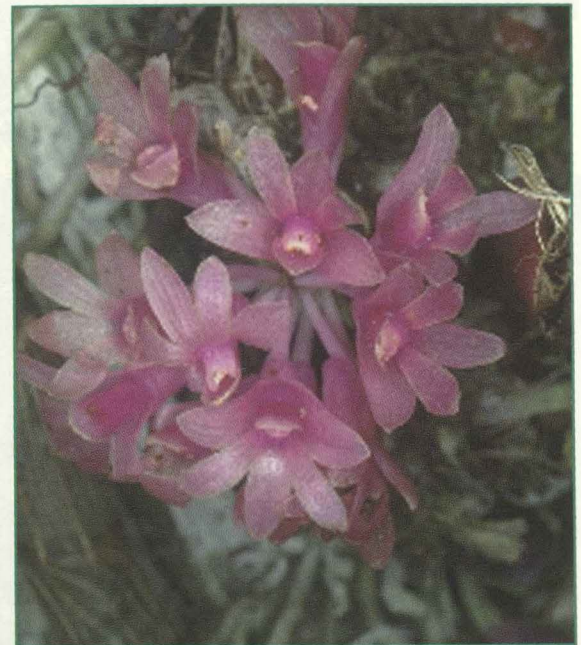
After André Millar's departure in the late 1970s the Gardens experienced problems with management and funding and eventually declined from a beautiful garden to a desolate piece of land.

In 1993 the National Capital District Commission took over the assets of the Gardens and established a major redevelopment program.

The National Capital Botanical Gardens have a huge collection of plants from all over Papua New Guinea as well as many plants from other parts of the world. These include many palm species, bamboos, heliconias, cordyline, pandanus, native trees and shrubs. Well known for its extensive collection of Papua New Guinea orchid species, the Gardens have large orchid greenhouses for orchid hybrids, which produce cut flowers for their flower shop.

There are a number of animals on display — tree climbing kangaroos, gouria pigeons, birds of paradise, cockatoos, lorikeets, parrots and many other birds. The Gardens, in a world-class exhibit, are home to one of the largest snakes in captivity anywhere in the world, a 6m reticulated python from Malaysia.

Some years ago an orchid research centre was established. This includes a small herbarium and a fully equipped orchid tissue culture laboratory where thousands of orchid plants are produced annually from seed and tissue culture.



The event that many people look forward to every year is the PNG Orchid Show held at the National Capital Botanical Gardens. The Show is now in its fourth year.

According to newspaper reports members of the public described the PNG Orchid Show 2000 as 'amazing', 'breathtaking', and 'impressive'. The Show is visited by thousands of people from all over the country and overseas.

This year it will take place over the weekend of August 25 & 26, with a special opening ceremony to be attended by invited guests only on August 24, 2001. Last year Lady Roslyn Morauta officially opened the show and it is hoped that Lady Morauta will be available to do the honours again this year.

Below: Bernard Kipit, City Manager, speaking at the 2000 Show
Right: Art and craft on display



Staff members of the National Capital Botanical Gardens are currently working hard to ensure that well over 30,000 orchids are in bloom right on time for the show.

During the show flowering orchid plants, pot plants, palms and landscaping plants will be on sale. The orchid plants on sale will be seedlings and mature flowering plants of Dendrobium hybrids, Mokara and vandaceous hybrids, Phalaenopsis, Oncidium and more. Visitors can purchase cut flowers, corsages, and orchid and heliconia bouquets, and attend special sessions for flower arranging and orchid potting. Visitors can buy orchid potting material and fertilizer especially formulated for Port Moresby water conditions.

Throughout both days local dancing groups in traditional dress from such places as the Trobriand Islands, Manus Island, the Hiri Moale Dancers and New Ireland Dance Group and the Siale Performing Dance Group, will perform.

More entertainment for visitors on both show days will include performances by the very popular singer Moses Tau and, for a good laugh, by Kanage & Friends. (Photo on right shows Kanage enjoying the blooms at the 2000 show.)



Last year one of the highlights of the show was the Ikebana flower arrangement demonstration brought to the Gardens by courtesy of the Japanese community in Papua New Guinea. (Photo on right is Mrs Eri Tanaka, wife of the Ambassador for Japan.) Visitors were stunned by the beautiful arrangement made from simple materials, plants and flowers. This year there will be another spectacular Ikebana demonstration.

The Botanical Gardens Gift shop carries a wide variety of souvenirs including post-cards, T-shirts and collared shirts, orchid posters, orchid and bird photo frames, stubby coolers, umbrellas, travel bags, key rings, badges, pens and note pads.

The PNG Orchid Show 2001 will open on both show days at 9.00 am and close at 5.00 pm. During the show additional security personnel will be stationed all over the gardens. Admission is K2 per adult and K1 for children and students 12 years and up.

Be sure to visit the PNG Orchid Show 2001. Enjoy the beauty and tranquillity of the Gardens, stroll around the rainforest walk or simply relax under a traditional hut in one of the several public picnic grounds.



For more information please contact:

National Capital Botanical Gardens, PO Box 110, University NCD, Papua New Guinea

Tel +675 326 0248

Fax +675 326 3016

Email: ncbg@orchidspng.com

Visit our Web site at: http://www.orchidspng.com/ncbg_front.html

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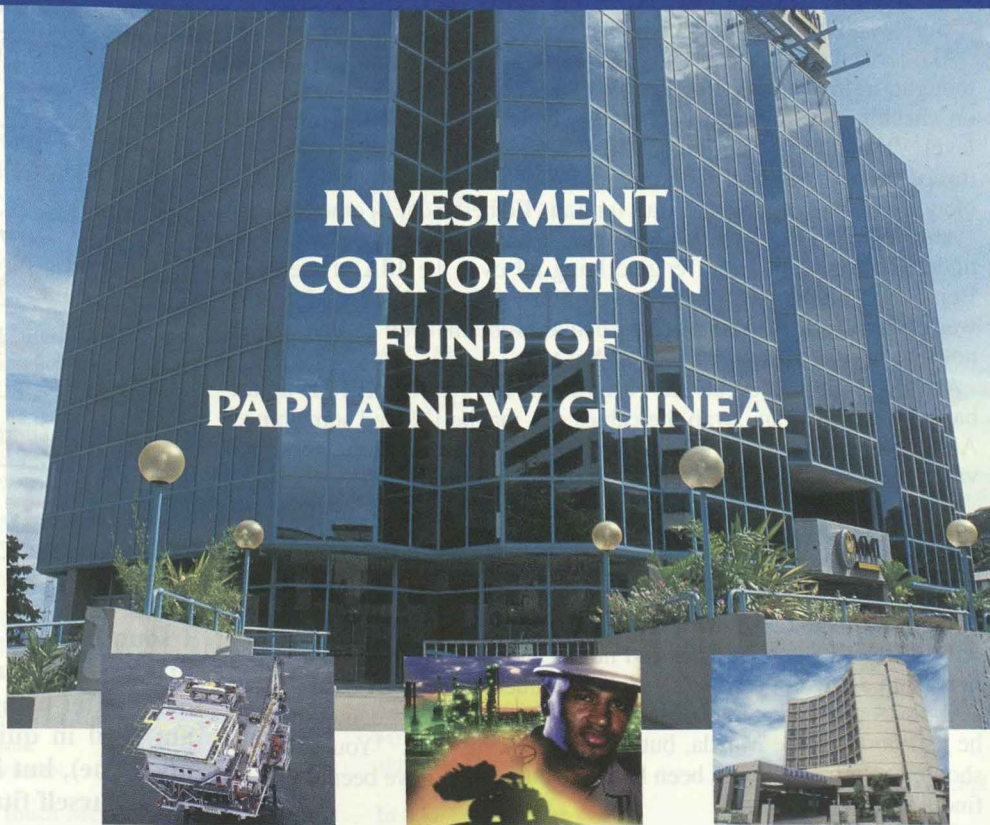


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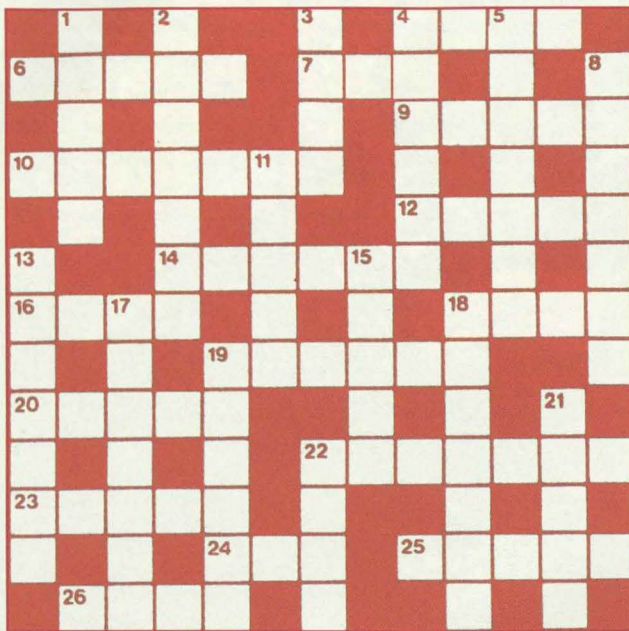
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Puzzles

Answers on page 58

CROSSWORD



Complete the crossword by filling in the missing words from the story.

When Tau stopped at Ako the mechanic's house in a Mazda, Kau was there. 'All **20A**, mate?' asked Ako.

'No' said Tau. 'Can't seem to get my car **13D**. OK if I **25A** this here for a minute? I'm need to go down the **19D** for something to **24A**.'

'Sure,' said Ako. Tau walked off.

Ako looked at Tau's car. 'May as well take a look under the **4D**,' he thought. 'Hm, the fan **26A** looks OK. Perhaps it **15D** some oil.' But on checking the dipstick, he saw it was definitely **21D** the minimum level. 'I'd better try starting up the **6A**, and check how it sounds.' He turned the key and heard the throaty **9A** of a healthy engine. 'Sounds okay, I wonder why it didn't start for Tau. I'd better check other things.'

After Ako checked the tyre-pressure and **22D**-freeze, he was soon under the car with bits of engine lying all over the **18A** of the road. Being a kind-**8D** guy, and also proud of his mechanical knowledge, Ako was extremely **12A** to find this particular problem, even though he was not sure what it was, or what to **22A** it to.

Another **14A** had left an old **10A** van in Ako's yard. 'If I **2D** up the battery from the van, swap the cables etc, maybe I'll find something.' Although he wasn't making much progress, he was too sure about his vast experience of engines to **1D** too much about it.

When Tau came **4A**, Ako was still underneath the Mazda with bits of engine everywhere. 'Er ...' said Ako as he **18D** from under the car. He **5D** slightly as he saw the anger and dismay on the face glowering at him. He tried to **23A** the hostile gaze, but it was impossible.

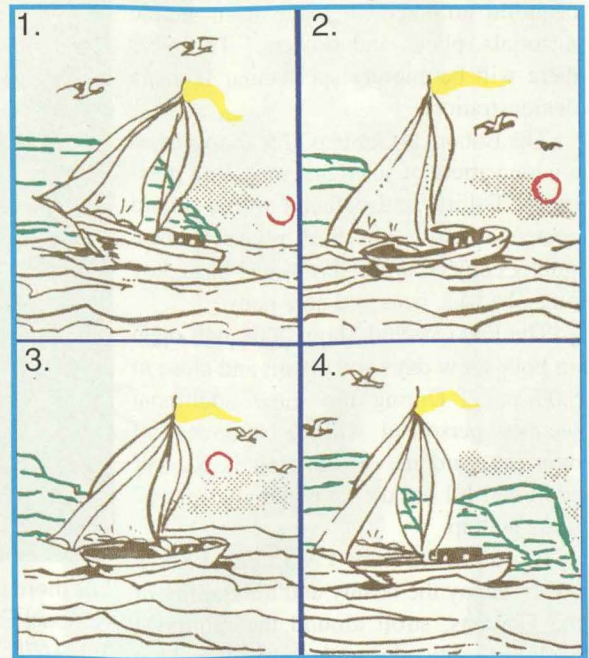
'You **11D**!' shouted Tau. 'You stupid great **16A**! Half an hour **7A** I left a perfectly good car here and now it looks about as much use as a horse and **3D** with no wheels!' Tau continued with a **19A** of abuse.

Ako was shocked at the abuse, but a little sorry for the demolition job he had done on the Mazda, but he had done his best. 'You **17D**,' he shouted. 'You said you'd been having trouble, so I have been trying to find the problem and ...'

'Fool!' yelled Tom, 'my car wouldn't start at all this morning, like I said. This is my wife's car!'

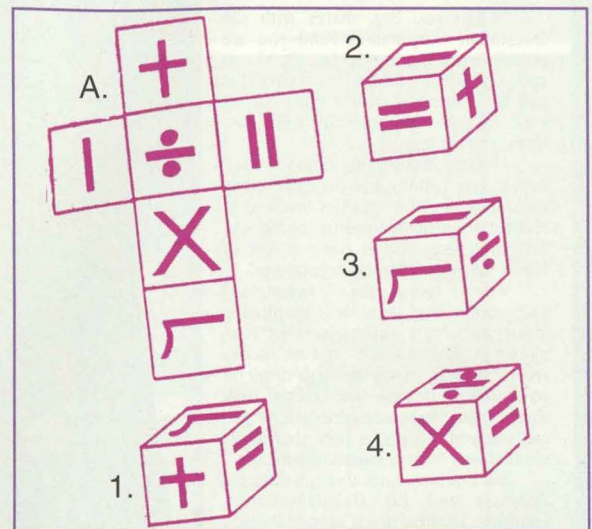
SAILING ROUTE

Place the four pictures in the correct order of the boat's sailing route.



WHICH BOX?

Which of the boxes numbered 1-4 is the assembled version of the flat one (A)?



WHAT AM I?

I sound like a terrible noise made by a soft drink, and you may well need a refreshing drink after using me. I drink after using me. I am used in quite cramped conditions (hence my name), but if you can fit me in, you might find yourself fitter for it.

Audio Entertainment

Relax and enjoy the flight...

CLASSICAL

Channel 5

The Nutcracker, Op 71-Sugar
Plum Fairy (Tchaikovsky)
Conductor: Andre Previn
EMI

Grande Valse Brillante, Op 18
(Chopin)
Geza Anda: piano
RCA

Bolero (Ravel)
Jane Rutter
RCA

Air Suite No 3, BWV1068
D Major (J S Bach)
Academy of St Martin-in-the-
fields
EMI

Brandenburg Concerto No 3
in G: Allegro (J S Bach)
Bath Festival Orchestra
Conductor: Yehudi Menuhin
EMI

Moonlight Sonata (Beethoven)
Andrea Lucchesini
EMI

New World Symphony (Dvorak)
Oslo Philharmonic Orchestra
Conductor: Mariss Jansons
EMI

'*Ode To Joy*' from *Symphony*
No 9 (Beethoven)
Westminster Choir,
The Philadelphia Orchestra
Conductor: Riccardo Muti
EMI

Gymnopedie No 1 (Satie)
Richard Stoltzman: clarinet
Nancy Allen: harp
Irma Vallecillo: piano
RCA

Violin Concerto - Canzonetta
(Tchaikovsky)
Takako Nishizaki: violin
Slovak Philharmonic Orchestra
Conductor: Kenneth Jean
NAXOS

Symphony No 3 in F major,
Op 90 - Andante (Brahms)
Berliner Philharmoniker
Conductor: Herbert Von
Karajan
DGG

The Swan (Saint-Saens)
Balazs Szokolay: piano
NAXOS

POP

Channel 6

Rendezvous
Craig David
WILDSTAR

It Wasn't Me
Shaggy featuring Rikrok
MCA

Lady Marmalade
Christina Aguilera, Pink, Lil'
Kim, Mya
N/A

Survivor
Destiny's Child
COLUMBIA

Loser
3 Doors Down
REPUBLIC

Take Me Away
Tony Lee Scott
COLUMBIA

Drive
Incubus
EPIC

Follow Me
Uncle Kracker
ATLANTIC

What Took You So Long
Emma Bunton
VIRGIN

Whole Again
Atomic Kitten
VIRGIN

Hanging By A Moment
Lifehouse
DREAMWORKS

Imitation of Life
R E M
WARNER BROS

Me, Myself & I
Scandal'us
SONG ZU

Play
Jennifer Lopez
SONY

All For You
Janet
VIRGIN

Touch Me
Rui Da Silva featuring Cassandra
KISMET

EASY LISTENING

Channel 7

Up Where We Belong
Joe Cocker & Jennifer Warnes
EMI

To Love Somebody
Michael Bolton
COLUMBIA

I Honestly Love You
Olivia Newton John
FESTIVAL

From A Distance
Bette Midler
ATLANTIC

Cry Me A River
Barbra Streisand
COLUMBIA

Vincent (Starry Starry Night)
Julio Iglesias
CBS

Bridge Over Troubled Water
Simon & Garfunkel
COLUMBIA

You've Got a Friend
Carole King
EPIC

Blue Eyes
Elton John
ROCKET

Endless Love
Lionel Richie & Diana Ross
MOTOWN

True Colors
Phil Collins
WEA

Cuts Both Ways
Gloria Estefan
EPIC

Hold Me In Your Arms
Southern Sons
RCA

Angel
Sarah McLachlan
ARISTA

In The Still Of The Night
Boyz II Men
MOTOWN

PAPUA NEW GUINEA

Channel 8

Kobiai
Mailu village (Magi)
Central Province

[Panpipes]
Gomri village (Chimbu)
Chimbu Province

Sore Mama
Rock band by Cicilia 'Zenna Greg'
Morobe Province
Chin H Meen Recordings

Uuyambe
Kilalum village (Sulka)
East New Britain Province

Awalif
Iahita village (South Arapesh)
East Sepik Province

That day is coming closer
Sonoma Adventist College Choir
Recordings by TCPNG

Kaapaumma
Iraabo village (Usarufa-Auyana, Usarufa
dialect)
Eastern Highlands Province

'Iabuti'
Irelya village
Enga Province

Papa Paulo
Harahara Band of Miaru Gulf Province
Walter Bay Company Recordings

Kanipu ivi
Karurua village (Purari)
Gulf Province

Gunal
Gohe village (Mawan)
Madang Province

Vuvu Ialire
Rock Band by Narox
Pacific Gold Studios Recordings

Kasama
Kepara village (Hunjera)
Oro Province

Wakuwko
Malasanga village
Morobe Province

Pipa Man
City Hikers Stringband of
National Capital District
Kalang Recordings

Tatarore
Waidoro village
Western Province

Gawa
Walete (Huli)
Southern Highlands Province

E Pain Ta
Riwo Bamboo Band of Madang Province
Kalang Recordings

Sawo
Kwomtari village (Kwomtari)
West Sepik Province

Twigul 'Vasu korekore'
Voniskopo village (Hahon)
North Solomons Province

Iurusalem
Gospel Band by Exiles Gospel of Rabaul
Pacific Gold Recordings

Leleki
Patsui village
Manus Province

Audio Entertainment

Relax and enjoy the flight...

COMEDY Channel 9

Senator Brea's Dead
Rowan Atkinson
ARISTA

The Devil
Rowan Atkinson
LAUGHING STOCK

Always Look On The Bright
Side Of Life
Monty Python
VIRGIN

You're Welcome, Milord
The Two Ronnies
BBC

True British Spunk
Dame Edna Everage
RAVEN

The Old Payola Roll Blues
Stan Freberg
CAPITOL

Banking
John Clarke
FESTIVAL

Grandad's Flannelette Nightshirt
George Formby
EMI

My Father Confused Me
Bill Cosby
CAPITOL

Fathers are the Funniest People
Bill Cosby
CAPITOL

Mothers Will Hit You For Nothing
Bill Cosby
CAPITOL

The Jewish Mother
Naomi Lewis
GNP CRESCENDO

Mad at My Mother
Steve Martin
RHINO



Air Niugini
em i PNG!

COUNTRY Channel 10

Brady Bunch
The D-Generation
ABC

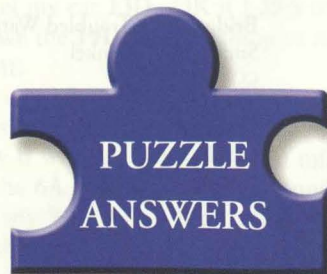
Take My Wife, Please!
Henny Youngman
K-TEL

The Insecure Woman
The Fast Show
BBC

Nobody Disciplines Their Kids
Anymore
Bill Engvall
WARNER

Children
Ellen DeGeneres
ATLANTIC

Men
Martin Mull
RHINO



CROSSWORD

Across: 4.back; 6.motor;
7.ago; 10.transit; 12.eager;
14.client; 16.twit; 18.edge;
19.stream; 20.right;
22.ascribe; 23.evade; 24.eat;
25.leave; 26.belt.

Down: 1.worry; 2.connect;
3.cart; 4.bonnet; 5.cringed;
8.hearted; 11.idiot;
13.started; 15.needs;
17.ingrate; 18. emerged;
19.street; 21.above; 22.anti

SAILING WHICH BOX? ROUTE

3,2,1,4

WHAT AM I?
squash racquet

COUNTRY Channel 10

Highwayman
The Highwaymen
COLUMBIA

It's A Great Day To Be Alive
Travis Tritt
SONY

Rocky Mountain High
John Denver
RCA

You Won't Be Lonely Now
Billy Ray Cyrus
SONY

Downtime
Jo Dee Messina
CURB

I'll Be
Reba
MCA

Kinda Exactly Like You
Pru Clearwater
STALLION

Silver Threads and Golden
Needles
Dolly Parton, Tammy Wynette
& Loretta Lynn
COLUMBIA

But For The Grace Of God
Keith Urban
WEA

He Drinks Tequila
Lorrie Morgan
& Sammy Kershaw
RCA

Count To 3
Melinda Schneider
COMPASS BROS

A Good Way To Get On My
Bad Side
Tracy Byrd and Mark Chestnutt
RCA

Two People Fell In Love
Brad Paisley
ARISTA

Grown Men Don't Cry
Tim McGraw
SONY

Little Things
Troy Cassar-Daley
COLUMBIA

Say Hello
Vince Gill
MCA

Ain't Nothing 'Bout You
Brooks & Dunn
ARISTA

CHILDREN'S Channel 11

Black Beauty
Angela Rippon
ARGO

It's Only Me
Art Lande
WINDHAM HILL

Elephants
Noni Hazelhurst
ABC

Kangaroos
Noni Hazelhurst
ABC

The Hare And The Turtle
Arlo Guthrie
LIGHTYEAR

The Lion And The Mouse
Arlo Guthrie
LIGHTYEAR

Never Smile at a Crocodile
From 'Peter Pan'
PICKWICK

The Small One
Bing Crosby
MCA

The Cow Goes Moo
Agro
CBS

Fox In Socks
Dr Seuss
RCA

Dog Walk
Wayne from the Muppet Show
PYE

Sally the Camel
Barney and Friends
SBK

Henny Penny
Don Spencer & Friends
ABC

Doin' the Pigeon
Bert from Sesame Street
ABC

INFLIGHT Films

International Flights

July

SPY KIDS



Family PG TSI

Nobody imagined that two of the world's top secret agents would get married, settle down and start a family. It's a good thing they did because now they've been kidnapped and the only people who can save them are their kids.

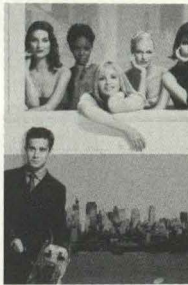
Featuring: Antonio Banderas, Carla Gugiono, Alan Cummings, Teri Hatcher
Director: Robert Rodriguez

HEAD OVER HEELS

Comedy PG-13
Universal

Amanda Pierce, an art restorer is blessed with a cut-rate deal on a luxurious Eastside apartment but stuck with four super-thin, super-fabulous roommates. Things begin to look up as Amanda falls in love with Winston, the charmer in the apartment next door ... and this feeling is mutual. He seems to be the fulfillment of Amanda's unanswered prayers until one night the girls spy him committing what appears to be a cold-blooded crime.

Featuring: Monica Potter, Freddie Prinze Jr, Sarah O'Hare, Shalom Harlow, Ivan Milicevic, Tomiko Fraser
Director: Mark Waters



August

HEARTBREAKERS

heartbreakers Comedy
PG-13 EMI



Max and Page are a brilliant mother/daughter con team who have their act down to a fine science. Max targets wealthy men who fall prey to her beauty and charm, and marries them. The equally gorgeous Page then seduces them and Max 'catches' her wayward husbands in the act. Then it's off to a palimony city, with the hapless men losing more than their shirts, and on to the next mark, with Max and Page posing in a variety of deceptive guises to keep one or two steps ahead of the law.

Featuring: Sigourney Weaver, Jennifer Love-Hewitt, Ray Liotta, Jason Lee
Director: David Mirkin

THE MEXICAN

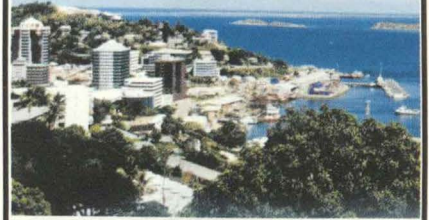


Comedy R
Dreamworks

Jerry Welbach, a reluctant bagman, has been given two ultimatums: The first is from his mob boss to travel to Mexico and retrieve a priceless antique pistol, known as 'The Mexican', which carries a legendary curse ... or suffer the consequences. The second is from his girlfriend Samantha to end his association with the mob. Jerry figures being alive and in trouble with Samantha is better than the more permanent alternative, so he heads south of the border. Finding the pistol proves easy. Getting it home is another matter, especially when Samantha is taken hostage by a hit man to ensure the safe return of the pistol.

Featuring: James Gandolfini, Brad Pitt, Julia Roberts
Director: Gore Verbinski

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Red Door
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1



2



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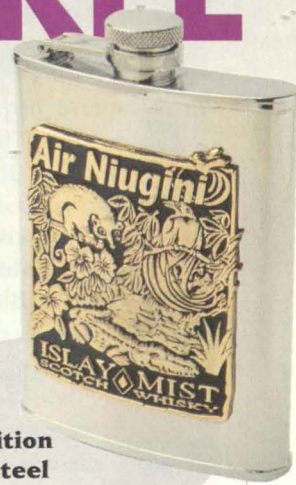
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Boss
Men's Eau De Toilette
Natural Spray
Hugo Boss



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Paco Homme
Men's Eau De Toilette
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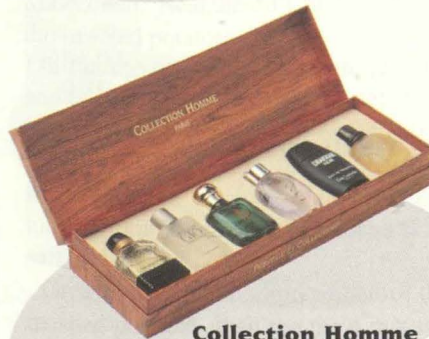


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9



10



11

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9. Opal necklace
10. Bird of Paradise Necklace
11. Bilam necklace

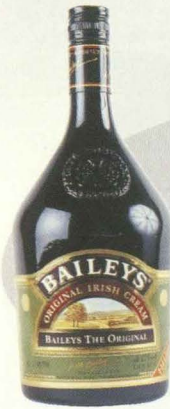
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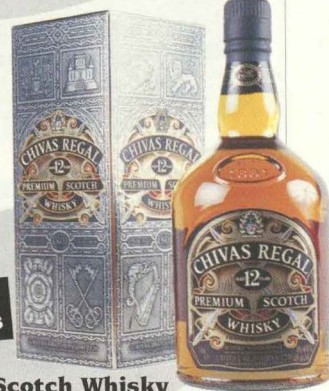
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LOCAL CUISINE — Beef

By Céline Peter

Although not native to Papua New Guinea, cattle are now being raised in the Markham and Ramu Valleys and we can enjoy delicious and tender homegrown beef. Beef is one of the most widely consumed meats on earth and every culture has its own ways to prepare it. These are some of my favourite simple recipes from home. Bon appetit!



Pepper Steak (serves 4)

50g butter or margarine, chopped
75g mixed finely chopped carrot, celery and onion
1 teaspoon finely ground black peppercorns
1 teaspoon white vinegar
125ml dry white wine
1 cup reduced beef stock
1 cup thickened cream olive oil
4 x 220g eye-fillet steaks
2 teaspoons finely ground green peppercorns
1 tablespoon lemon juice

Pepper Sauce

Heat butter in a small saucepan and cook vegetables over low heat until soft. Add black peppercorns and vinegar and stir over heat to evaporate vinegar completely. Add wine, evaporate completely. Add beef stock and cream then reduce to a sauce consistency. Pass sauce through a sieve, season to taste and keep warm.

Steak

Heat oil in a frying pan, add steaks and cook over high heat on both sides until cooked. Remove from pan and rest in a warm place for 5 minutes.

Wipe out pan, Stir in sauce, green peppercorns, lemon juice and season to taste. Pour sauce over steaks and serve immediately.



Beef and potato gratin

400g minced beef
1kg potatoes and/or kaukau
1 bunch of kumu (aibika or pumpkin leaves) 1 onion, sliced
 $\frac{1}{2}$ litre milk 200g grated cheese
oil, salt, pepper
Peel and boil the potatoes until cooked. Mash them. Heat the milk and stir it into the mashed potatoes.

In the meantime, in a fry pan heat oil, and fry the onion. Add the minced meat and cook for 5 minutes. Wash and chop the kumu and tomato then add to the meat and cook for another few minutes until the kumu is cooked. Season with salt and pepper.

Grease a baking tin. Spread half of the mashed potatoes, then the meat mixture and finally the rest of the potatoes. Sprinkle the grated cheese on top and grill in the oven until the cheese is melted. Eat immediately.

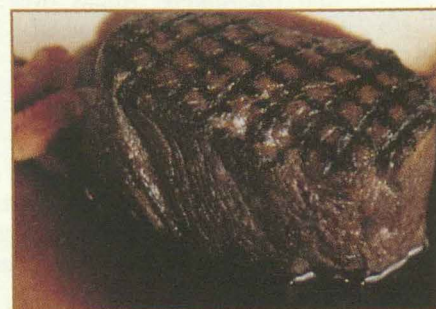


Goulash (serves 4-6)

$1\frac{1}{2}$ tablespoons vegetable oil
2 onions, chopped
1 clove garlic, finely chopped
 $\frac{1}{4}$ cup paprika
1kg chuck steak, cut into 4cm pieces
900ml beef stock
2 large potatoes, peeled and cut into 4cm pieces
 $\frac{1}{2}$ teaspoon marjoram leaves
400g tomatoes, chopped
2 green capsicum, chopped

Heat oil in a saucepan over medium heat, add onion and garlic and cook over low heat for 8-10 minutes or until lightly coloured. Remove from heat. When sizzling has stopped, add paprika and stir until onions are well coated. Return to heat, add chuck steak, caraway seeds and beef stock, bring to the boil and simmer, partially covered, for 1 hour or until beef is almost tender.

Add potatoes, marjoram, tomatoes and capsicum, and cook, partially covered, for a further 25 minutes or until potatoes and meat are tender. Skim fat from surface (or chill and remove fat when set) and season to taste.



Grilled eye of Rump Tornedos with Red Wine Sauce (serves 4)


4 x 160g eye rump steak
200g beef trimmings
200g mixed finely chopped onions, leeks and celery
 $\frac{1}{2}$ tablespoon vegetable oil
1 bottle red wine 1 litre veal stock
1 bay leaf few sprigs thyme
6 black peppercorns
1 teaspoon (rock) salt

Red Wine Sauce

Cook beef trimmings in oil over high heat until browned. Add mixed onions, leeks and celery and cook over low heat until soft. Add wine and simmer for about 1 hour, or until reduced by half, skimming fat from surface when necessary. Add veal stock, bay leaf, thyme, black peppercorns and salt and reduce to desired sauce consistency. Strain sauce and keep warm.

Rump

Season rump with salt and black pepper. Char-grill over high heat until well browned. Place on an oven tray and roast at 200°C for 4 minutes.

To serve, spoon sauce onto steak. 

Welcome!

Getting Around: At Jackson's Airport, which is 11km from the centre of Port Moresby, there are rental car counters, a bank and duty free shops. Major hotels have a courtesy bus to and from the airport. Taxis have meters. Within the city, PMVs (public motor vehicles) cost 50 toea per journey.

Elsewhere, PMVs, taxis and hire cars are available.

Useful Port Moresby Numbers: Air Niugini Information 3273480; Reservations & Confirmation 3273555 (Domestic) and 3273444 (International); Police 000; Ambulance 3256822.

Currency: Papua New Guinea's unit of currency is the Kina which is divided into 100 toea. Exchange your money at Jackson's Airport or in banks which are open from 8.45am to 3pm, Monday to Thursday and until 4pm on Friday. Credit cards are accepted in leading hotels and shops.

Customs and Quarantine: Adults over 18 have a general allowance of new goods to the value of K250 and are allowed duty free:

- 200 cigarettes or 50 cigars or 250grams of tobacco
- One litre of alcohol
- A reasonable amount of perfume

Drugs, pornographic literature or video tapes, firearms and weapons are prohibited. Food items, seeds, spices, live or dry plants, animals, animal products and biological specimens such as cultures and blood need special import approval.

Languages: Although over 800 languages are spoken in Papua New Guinea, English is the language of education and commerce. Tok Pisin is widely spoken and Hiri Motu is common in Papua.

Time: Papua New Guinea is 10 hours ahead of GMT, in the same time zone as Eastern Australia. There is no daylight saving.

Communication: ISD, STD and facsimile services are available in most areas. Large towns have public telephones. Phone cards can be used in some. Many rural areas have radio phones.

Driving: Drivers' licences issued in other countries are valid for 3 months after arrival. Vehicles travel on the left side of the road; speed limits are 60kph in built-up areas and 80kph out of town.

Electricity: Electricity supply is 240 volts AC 50 Hz. Some hotels have 110 volt outlets for shavers and hair dryers.

Health: Water quality is within WHO standards in most towns. Bottled water is available. In rural areas it is advisable to boil water. As malaria continues to be a health risk in the country, anti-malaria tablets should be taken two weeks before arrival, during your stay and for 4 weeks after departure. Use insect repellent and wear long-sleeved shirts, trousers and shoes in the evening. Dentists, doctors and hospitals are in all major centres. Rural areas have health centres and aid posts staffed by trained health workers.

Dress: For most occasions, dress is informal. Thongs and shorts are not allowed in some bars and restaurants. Lightweight clothing is suitable for coastal areas but a sweater or jacket will be needed in the highlands.

Restaurants: Western cuisine is available in hotels, restaurants, guest houses and lodges. Port Moresby has several Asian restaurants. Some hotels especially in the provinces serve local food such as roast pork, chicken or fish with sweet potato, taro, yam, pumpkin, banana and greens cooked in coconut milk.

Tips: Tips are neither expected nor encouraged.

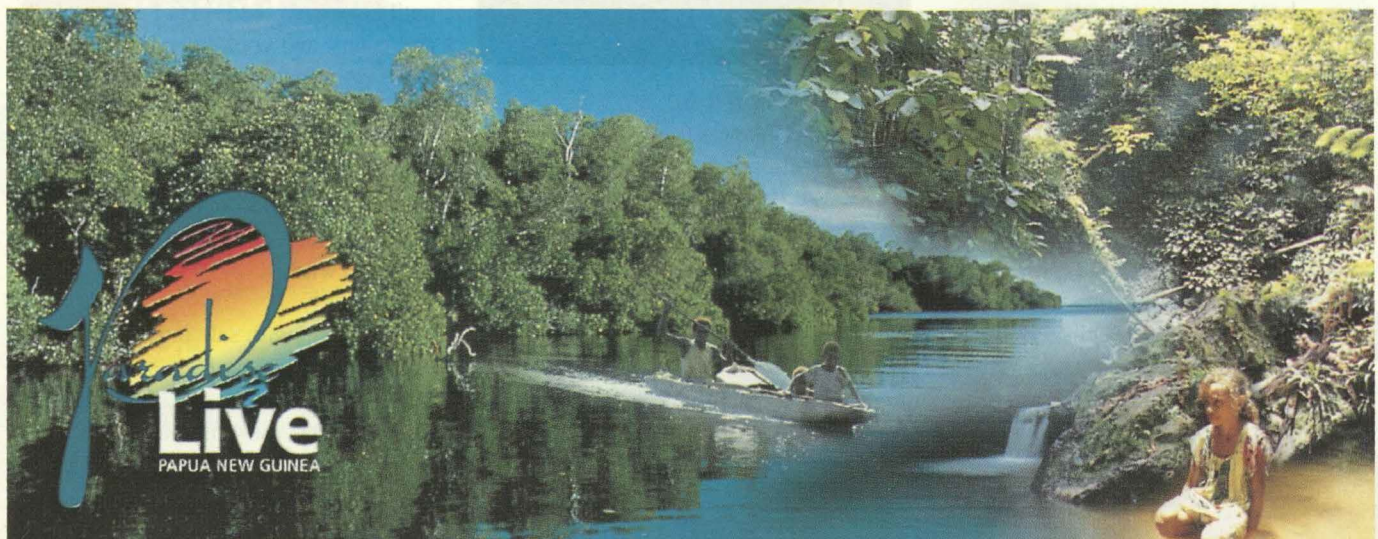
Shopping: Large stores and artifact shops offer a variety of goods for sale. Saturday is a half day for most shops and nearly all are closed on Sunday. Artisans sell their craft beside the roads or in markets. All markets sell a wide range of fruits and vegetables.

Cultural Events: Celebrations of traditional culture include:

June	Port Moresby Show
August	Mt Hagen Show
September	Hiri Moale Festival Port Moresby; Goroka Show
October	Maborasa Festival Madang; Morobe Show

Export Rules: Many artifacts, historical and cultural objects are prohibited exports. Others require a permit from the National Museum. Export permits for wildlife and animal products are issued by the Nature Conservation Division of the Department of Environment and Conservation.

Tourism Promotion Authority,
PO Box 1291, Port Moresby, Papua New Guinea
Phone: 320 0211 Fax: 320 0223
Email: tourismpng@dg.com.pg





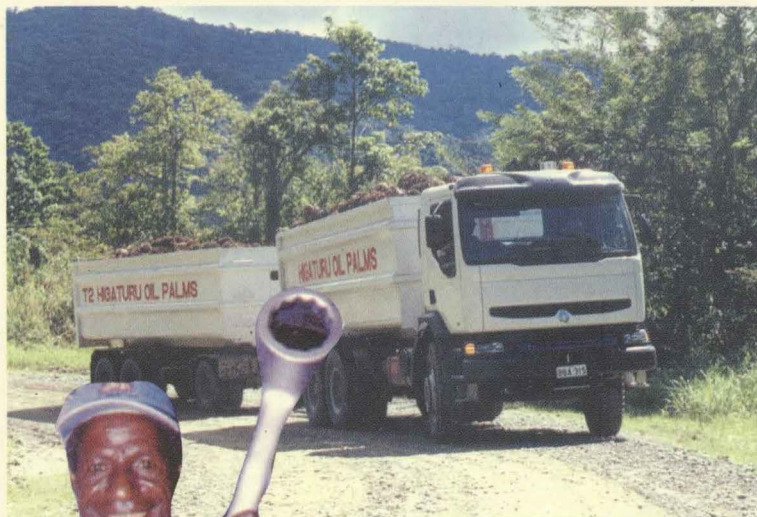
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