

paradise

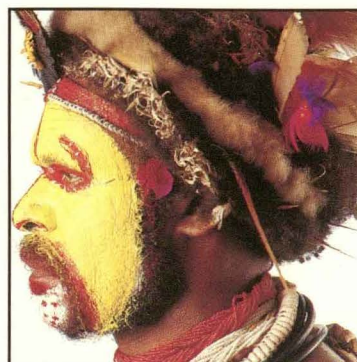
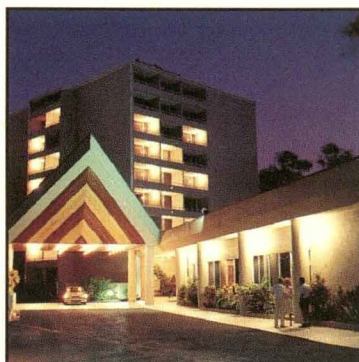
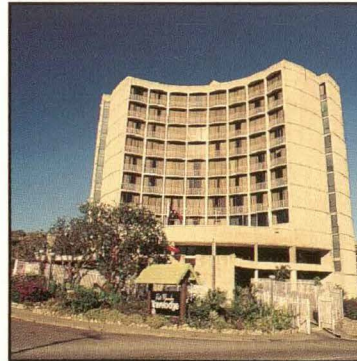
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Cover: A pygmy seahorse in coral near Loloata Island
Photograph by Michael Burden



Welcome aboard

Once again your in-flight magazine Paradise highlights the natural assets of our beautiful country.

The sample offered in this issue includes idyllic beaches and seafood delights of New Ireland, wondrous marine life to be seen while diving just outside Port Moresby, world-class orchids and butterflies, and stories of old and continuing gold rushes. I am sure the 1920s Bulolo gold-diggers could not in their wildest dreams have imagined the complexity of the processes to refine gold seventy years later.

Last year saw the country's worst drought in living memory. Aviation played a vital role in distributing relief food supplies to people in rural areas. Once again the importance of air transport in Papua New Guinea was demonstrated.

Enjoy your reading in flight, and try to take time on your visit to taste a sample of our natural beauty and richness.

Chris M Mek
Acting Managing Director



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Papua New Guinea

Budget


Gold Refining in Paradise

Story by Tom Hunter

Photographs supplied by Metals Refining Operations Pty Ltd



The refining of gold and silver is an industrial and financing activity normally associated with the great financial centres of the world – London, Zurich, Johannesburg and New York.

Many people may be surprised to learn that Papua New Guinea has its own gold refinery which is handling much of the raw gold production from the country. The refinery is an example of export oriented, value adding manufacturing industry that is world competitive in quality, output and costs.

Located in suburban Waigani near the government enclave in Port Moresby, Metals Refining Operations (MRO) (*photo below*) is a fascinating place for the visitor to see the transformation of rough raw inputs into the pure gold and silver products demanded by industry. Its feed materials come mainly in the form of doré (a French word meaning rough cast bar) from the larger established gold mines. These include Porgera in the rugged and remote highlands of Enga, Misima, an idyllic green island in the Coral Sea, the massive



new mine at Lihir Island off the east coast of New Ireland and Tolukuma in the inaccessible Owen Stanley Ranges north of Port Moresby.

However, the refinery also serves the 'informal' alluvial mining sector which contributes greatly to village and clan welfare in many parts of the country. Alluvial mining centres include Wau, Bulolo, Mt Kare, Amanab, Maprik and Kainantu. Using methods ranging from capital intensive mechanised mining to hand sluicing and panning, raw impure gold is recovered and then sold to MRO. With prompt payment to suppliers, this local service encourages the development of the industry. There has developed a formal gold buying sector to service the mines and link to Metals Refining.

MRO was established on its present site in the early 1990s and has Australian and Papua New Guinean shareholders. Its workforce comes from most parts of the country. The refinery has strong historical, commercial and marketing links with the NM Rothschild Group. The Rothschild Group are synonymous with gold and gold marketing and the twice daily London price 'fix' is carried out at the London office of NM Rothschild.

Gold refining is a well established technical process with the last significant technical invention being the Miller process invented as long ago as 1867 in Sydney. The main requirements are meticulous attention to detail, consistent operations, a high degree of security and financing to cover the considerable value of the metal in process. A variety of chemical and melting operations are used to separate and purify the precious metals.

The gold is purified to 99.99% purity and the granule or grain produced as small spheres about 1-3mm in diameter is then used to produce other final products. Grain is also sold to outlets in Papua New Guinea and USA for manufacture directly into jewellery.

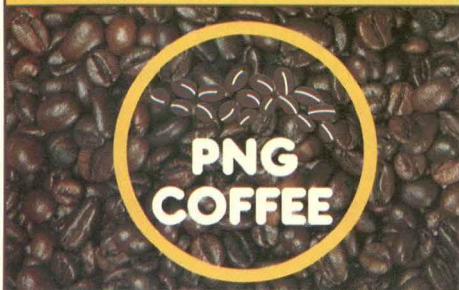
The most popular product is the 999 Ten Tola Bar weighing 3.75 ounces. This is the classical 'smugglers bar' sold into the Indian sub-continent and the Middle East. This traditional shape is used as a store of wealth and exchange, as it is easily concealed and transported.

Goroka Coffee

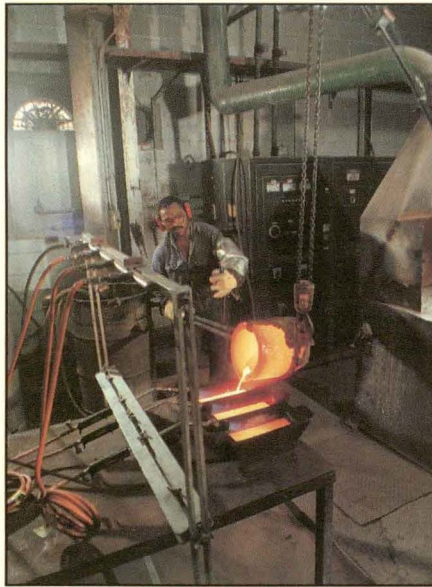
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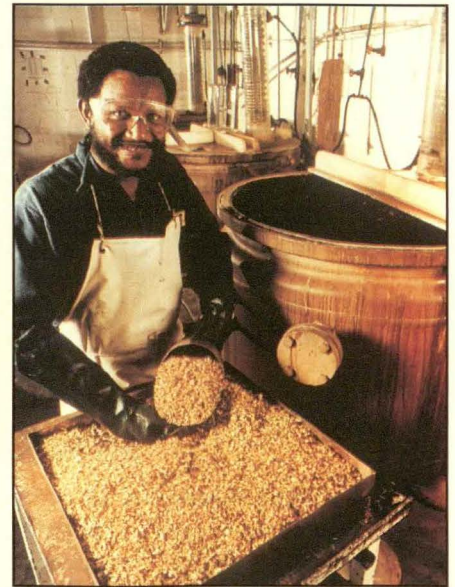
Above: Classic sluice box and panning for alluvial gold — Wau area
Below: Pouring of raw gold after initial melt and sample



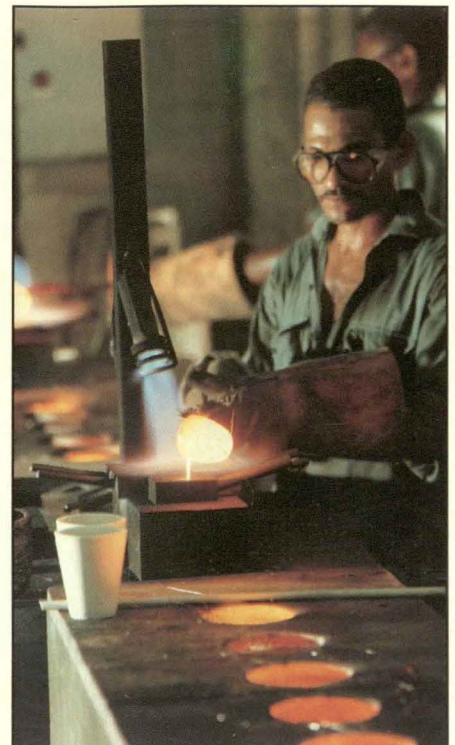
Below: Removal of pure silver crystals from the electro refining cells

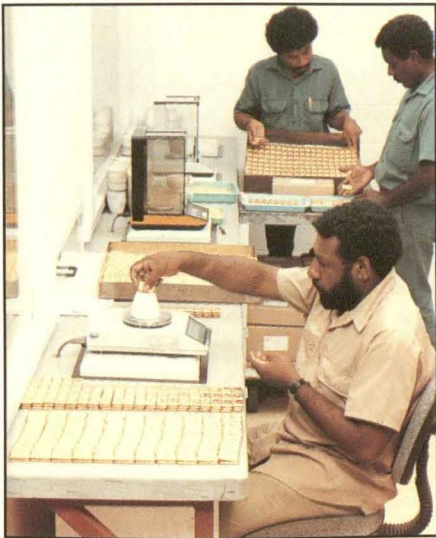


Above: Mechanised alluvial gold mining on the Watut River near Bulolo
Below: Loading impure raw gold grain into the acid refining vessels



Below: Operator pouring 99.99% gold Ten Tola bars





Above: Final handling and weighing of ten tola gold bars before packing for the Singapore market



Above: 22oz natural gold nugget from the Sepik Basin
Below: Crystalline gold natural nugget from Mt Kare



Left: The first raw gold doré bars from the new Lihir mine were proudly received at MRO.

Usually, MRO ships these bars in lots of 3,000 plus to the Rothschild office in Singapore for sale. The Air Niugini Airbus service to Singapore is a vital link to the market and integral to MRO's viability.

For the main Asian market, the one kilogram 9999 bar (or Kilobar) is the most popular product, particularly for Chinese and Japanese buyers. All MRO's bars have the distinctive MRO 'chop' or hallmark, the stylised bird of paradise, and are identified as being from Papua New Guinea.

With nearly 2.5 million ounces of gold produced to date the refinery's recognition within Asia is noteworthy. The local market is also served with granules to jewellers for manufacture of beautiful jewellery products featuring distinctive gold nuggets, shells and black coral.

There is an international demand also for the natural raw nuggets that MRO receives from the alluvial industry. These are sold as widely as Austria, Canada, USA and Australia. Mt Kare's crystalline nuggets are unique and highly prized by mineral collectors worldwide.

Below: Distinctive gold nugget and shell jewellery manufactured in Port Moresby from MRO refined gold



MRO gold products showing the distinctive 'chop' and Bird of Paradise

Silver is also produced as 99.9% pure grain and is sold in Singapore and Hong Kong on a retail basis in 25kg bags. It is mainly used in jewellery and for electronic components.

Papua New Guinea has a colourful history with gold which has contributed greatly to the country's recent development. Today, Papua New Guinea is a leading exporter of quality refined gold and silver to Asian and US markets. More than 99% of MRO's production is exported.

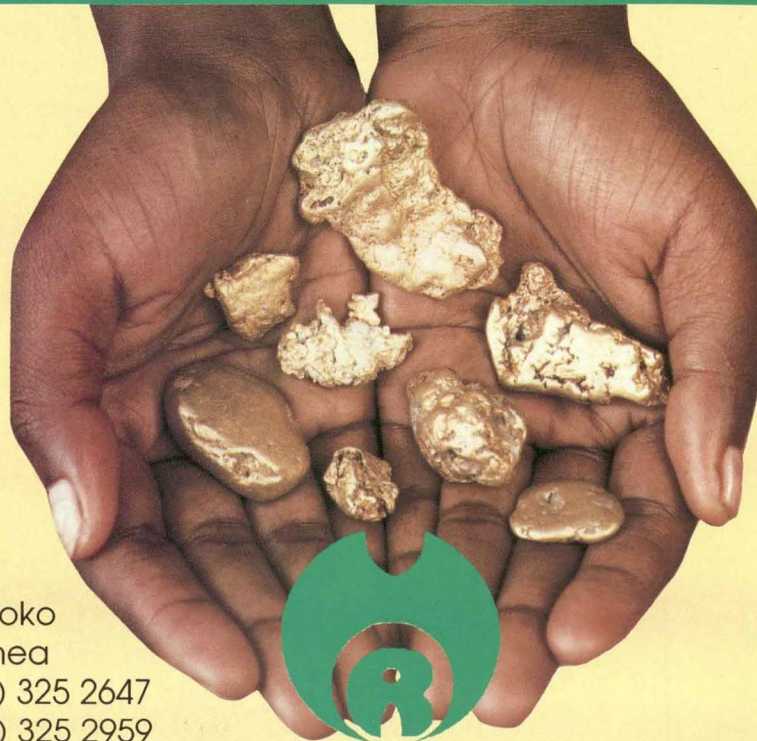
With the geological prospectivity of Papua New Guinea and an active mining industry, the refinery's future looks bright as it 'Looks North' to its markets.



Tom Hunter is managing director of Metals Refining Operations and is in his third year in Papua New Guinea.



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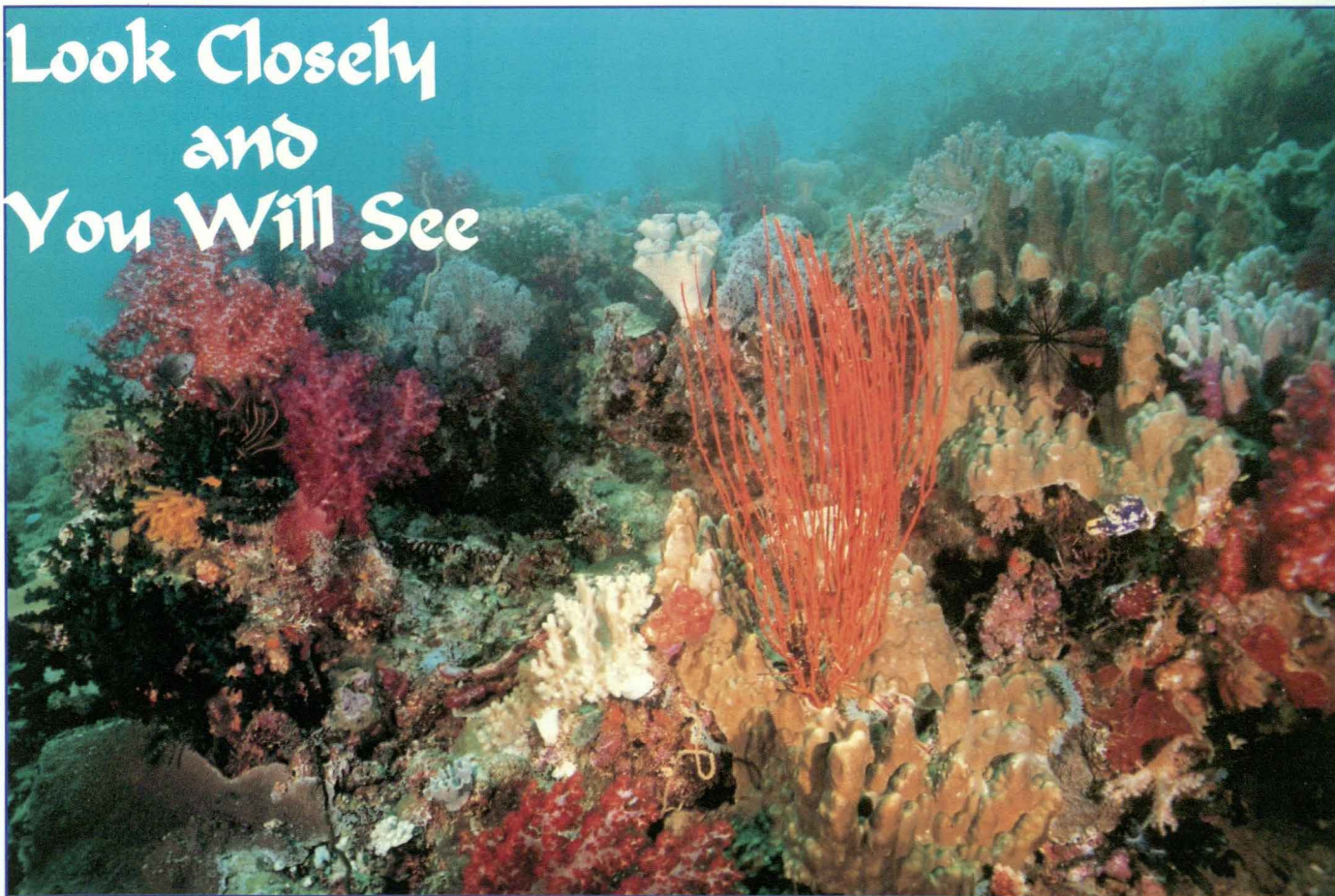
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Look Closely and You Will See



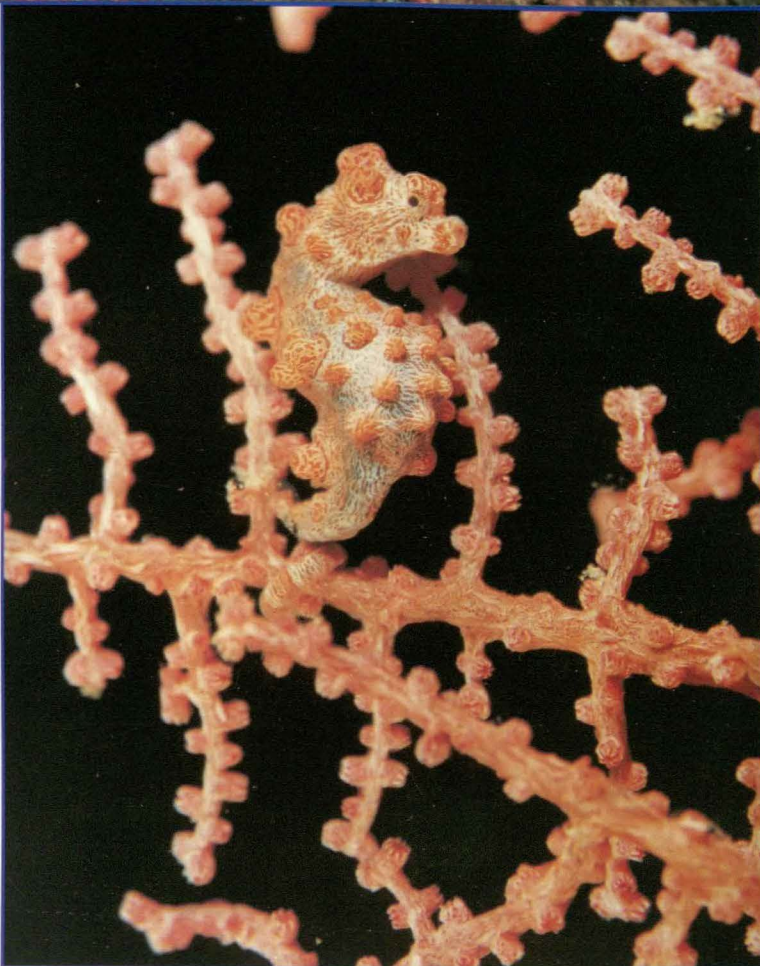
Text and photographs by Michael Burden

Every diver loves to see a whaleshark. None of us can deny that the adrenalin rush from a close encounter with a hammerhead or manta is unsurpassable. But how many of you have spent time really seeing?

Papua New Guinea is a diver's Mecca. Situated within the zone of maximum global coral reef diversity, discoveries of rare, unusual or totally new species of animals are relatively common. Well travelled divers and underwater photographers have been making the pilgrimage to Kimbe Bay and Milne Bay for over ten years. Little did they know that during their stopover in Port Moresby they were bypassing an area as rich and diverse as their ultimate destination.

Loloata Island Resort, situated only twenty minutes from Port Moresby Airport, has been a hideaway for Port Moresby residents for the past twenty years. Dik Knight, the proprietor of the Resort has been diving the area for all that time. In 1996 he decided to share his Utopia with other divers. Being a man of forethought Dik decided that his Dive Management and staff should be people who can really see.

Pygmy seahorse, discovered in the waters of Loloata Island, takes on the colours of the surrounding coral.





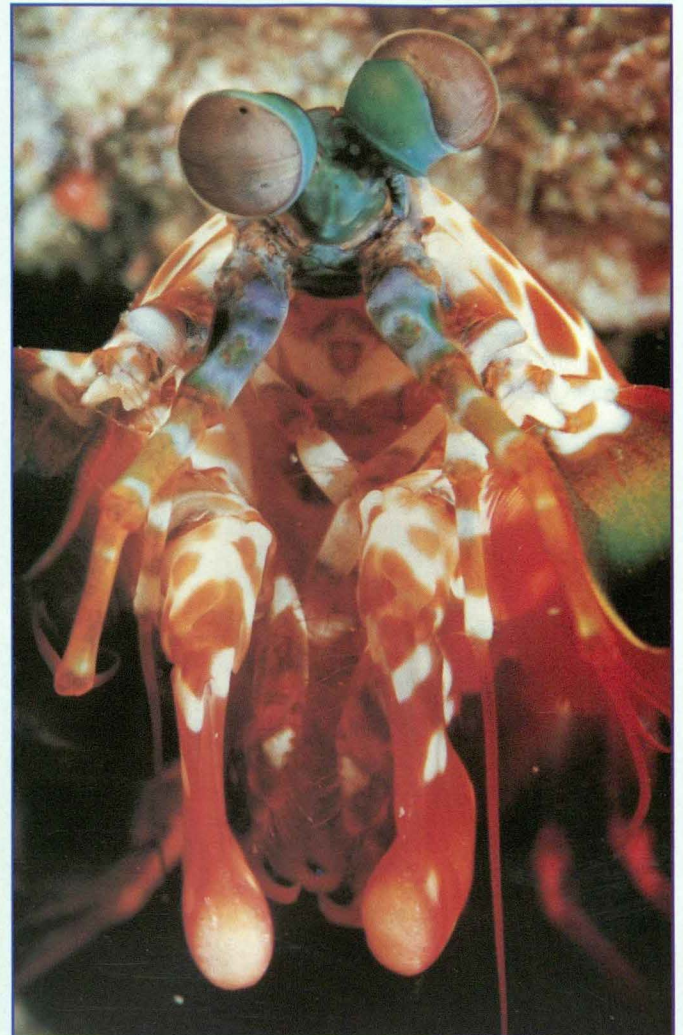
Our oceans, particularly our coral reefs are comparable to rainforests in abundance of species. However, the species living on our coral reefs are generally more easily observed. On entering the sea surrounding a coral reef, even the untrained eye is overwhelmed by the life and activity, by the colours and brilliance all happening within a few small metres.

Left: *Reef stonefish*

Below: *Leaf scorpionfish*



Below: *Mantis shrimp*



But stop! Take a closer look. Even those areas that look still and deserted are teeming with life. Masters of disguise like the reef stonefish and the crocodile flathead lie concealed on the reef top, awaiting an unsuspecting meal to swim too close. Just under the sand, lizardfish and demon stingers shuffle, also on the look out for a free meal.

You still need to look closer! There is more yet. A featherstar? No, a weedy scorpion fish. One of the most beautiful and most sought after fish for underwater photographers, the weedy scorpion fish was once thought of as rare. Dive Loloata visits several dive sites where this fish is commonly encountered.



Above: Male and female harlequin ghost pipefish

Below: Snake eel





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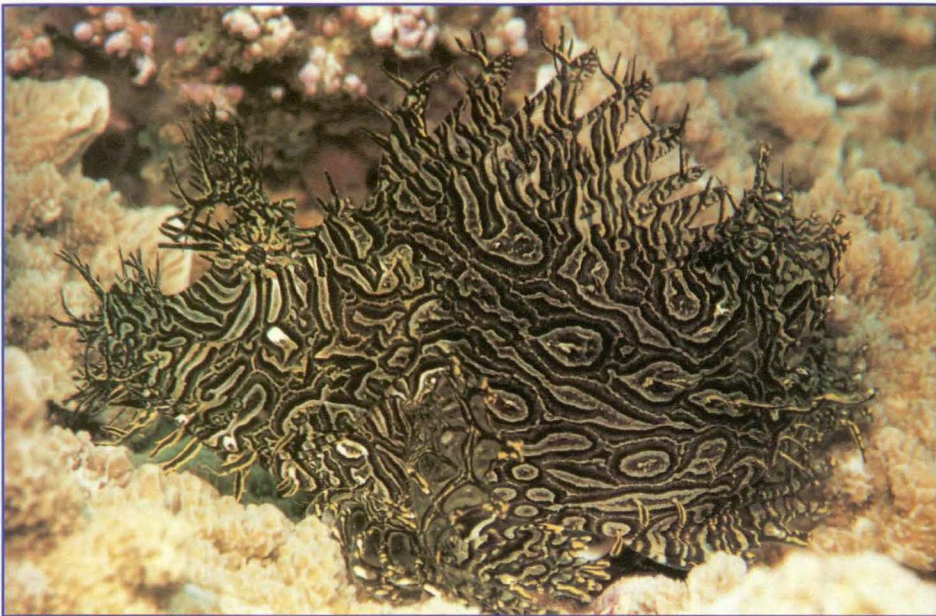
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Above: *Pegasus fish*

Below: *Lacy scorpionfish*



Below: *Crocodile flathead eye*



The leaf scorpion fish with its sparkling eyes and strange mottled markings makes a delightful subject for photography. Ghost pipefishes of the genus *Solenostomus* secrete themselves amongst algae. Possibly the most beautiful of the ghost pipefish is the harlequin ghost pipefish. Although not uncommon around Loloata, this little fish can prove to be quite challenging to find, even for those with a careful eye.

Poking their heads out from the sand, the snake eels with their stunning camouflage patterns and colouration will disappear without trace if caution and time are not taken to stalk them for a photograph. Living on the sand amongst the seagrass the pegasus fish closely resembles a mouse with his scurrying movements across the bottom. When disturbed he will flare his pectoral fins revealing a beautiful powder blue defensive flash.

Probably the most exciting and fascinating discovery made on the Dive Loloata dive sites is the pygmy seahorse. These little syngnathids were first discovered by accident in New Caledonia in 1970. Since then they have been largely overlooked, probably due to their minute size, a large one being only 15 millimetres tall, and their near perfect camouflage. Living exclusively on one species of sea fan, we have located several dozen pygmy seahorses within the past few months. Previously thought to only live in deep water, I have found pygmy seahorses as shallow as 17 metres and on as many as six of Dive Loloata's dive sites.

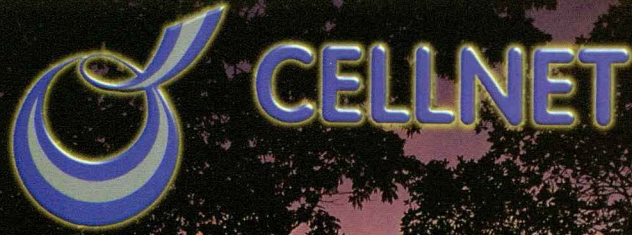
With this sample of strange and rare creatures so easily found by those who look, and with dive sites ranging from reefs and walls to wrecks and 'muck dives', why go any further afield than Loloata Island Resort?

And yes, we do see mantas and hammerheads and occasionally even whalesharks.



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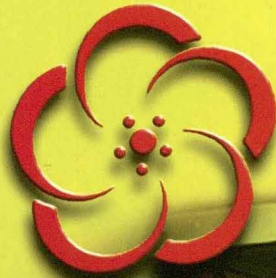


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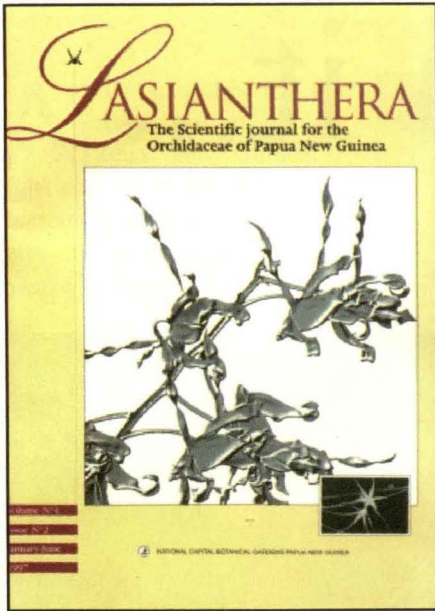


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BOOK REVIEW - Lasianthera

by Eric Lindgren



It is an appropriate name for this journal because *lasianthera* epitomises the difficulties facing the New Guinea orchid specialist.

When soldier Ned Blood plucked a few canes from a tree in the Sepik while hiding from Japanese soldiers, he little realised the confusion which would result. His specimens were named *Dendrobium ostrinoglossum* by the Reverend Rupp in the 'Australian Orchid Review'. But the plant had already been named *D. lasianthera* in 1932, based on specimens from Irian Jaya, in a little known journal. The earlier name prevailed, but field research since then has shown that *D. lasianthera* has much more variation than expected. The possibility that a number of species are involved must not be discounted.

And rightly so, for New Guinea Island is the orchid capital of the world. On this comparatively small land mass there are probably well over 2,500 species accounting for 15 per cent of the world's total; in this, the second largest family of plants on Our Planet Earth!

Lasianthera the journal has the potential to make an enormous contribution to our growing knowledge of the natural world and New Guinea's place in the web of life.

The first two issues are devoted to taxonomic studies by Mark Clements and David Jones of the Centre for Plant Biodiversity Research in Canberra. It is significant that each of the five papers in Volume One (50 pages) contains the

description of new species, and each is accompanied by excellent line drawings and colour photographs (sample on left). These are necessary for the ordinary reader who may have difficulty picturing a flower from a written scientific description.

Volume Two (78 pages), devoted solely to the genera *Grastidium* and *Eriopexis*, continues the excellence and includes almost two pages of references which would provide a fine starting point for an enthusiast delving into the scientific literature on the orchids of Papua New Guinea.

I hope that *Lasianthera* can develop along the lines of *The Living Bird*, published annually by the Cornell Laboratory of Ornithology, Ithaca, USA. This combines science, photography and painting to lift it above the norm of the cut and dried studies seen in so many of our scientific journals. The orchids of Papua New Guinea deserve it!

Lasianthera is published by the National Capital Botanic Gardens,
PO Box 7270, Boroko, NCD
Phone: (675) 326 0107
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Every now and then a journal comes along which has the potential to combine the aesthetics of art with the precision of science. *Lasianthera* is such a journal. Devoted to the study of orchids of Papua New Guinea, it provides an outlet for authors of scientific papers and others in which the taxonomic work of the botanist could be combined with the love of orchids so many people enjoy.

The journal was launched at the 3rd Australian Native Orchid Society Conference in Adelaide in late 1996. Its stated aims are to report on original research on *Orchidaceae* in anatomy and morphology, cytology, ecology, evolution, hybridisation, physiology, pollination biology and systematics. A preference will be given to the orchids of Papua New Guinea and nearby areas.

Lasianthera is named after the Sepik Blue Orchid, *Dendrobium lasianthera* a distinctive species found around the Chambri Lakes and Yimas Lake in the Sepik Basin. This is a variable species, one form being named *D. lasianthera* 'Veronica Somare' after the founding Prime Minister's wife. Another, 'May River Red', is a deep burnished red-brown, a most handsome flower.



The journal's name, then, reflects the dynamism found in taxonomy of many plant and animal populations in Papua New Guinea. There is a lot of work to be done sorting out the relationships of our flora and fauna. It follows on a proud list of studies of our orchids.

From F Schlechter's 'Die Orchidaceen von Deutsch-Neu-Guinea' published in Berlin in 1911-1923 and J Smith's series of papers on orchids of Irian Jaya published in 'Nova Guinea' 1909-1930, through the pleasant newsletters of the Orchid Society of Papua New Guinea commencing after WWII to the present day, the interest in Papua New Guinean orchids has been immense.

Put some Ramu in it...



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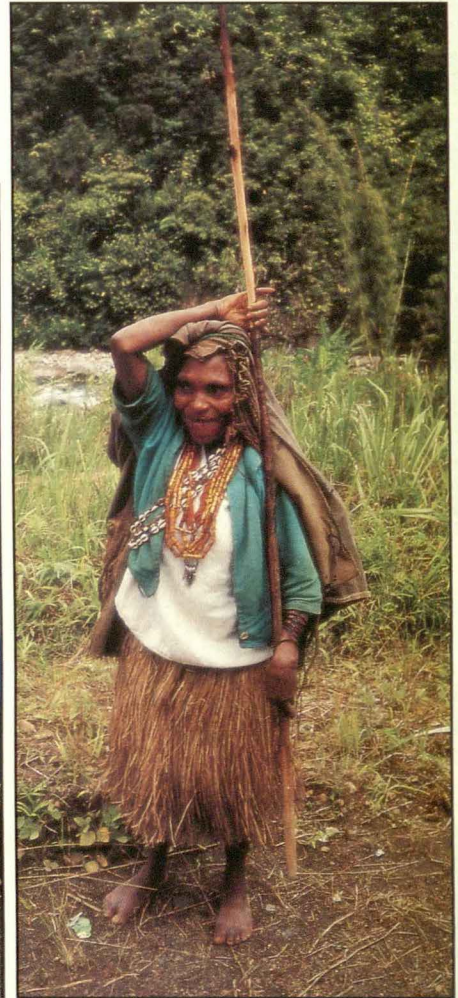
Lost World of Bulolo

Story and photographs by Rick Tegeler

At the quiet airport of the second largest city in Papua New Guinea, I wait for the arrival of my chartered Land Rover which is to carry me to a small highland town with the musical name of Bulolo. The city of Lae is most famous throughout the world as the last place where Amelia Earhart was ever seen. As I watch the early morning sun wrestle with a thick layer of tropical mist, the hair on the back of my neck comes alive with the thought that this very scene might have been the last sight of land she was ever to see when she took off for tiny Howland Island and into history from this very spot over fifty years ago.

Lae, a tropical city with almost 100,000 inhabitants, is cuddled between two bordering mountain ridges and the Solomon Sea. The town did not come into its own until 1921 when a legendary prospector known as 'Sharkey', in one of his brief moments of sobriety, discovered gold in a mountain area about one hundred kilometres south-east. Thousands of gold seekers rushed through this port community in the subsequent years and a truly wild west atmosphere transfused the entire province for a time.

While the gold fields were a relatively short distance away, rough mountain trails through impenetrable rain forests proved far too difficult for transport of the heavy machinery required for gold extraction on a profit making, industrial scale. A gold consortium took a bold step for those times, electing to fly the equipment in from Lae, piece by piece. This peerless endeavour made Lae airport the busiest in the world for a short while.




Above: Anga woman, traditionally dressed in grass skirt

Left: View of Aseki area

Below: Bulolo Valley, beautiful but still barren after indigenous forests were clear-cut in the 1930s.





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Since MRDC's inception as a company in 1981, it had grown from strength to strength. It achieved international acclaim when it successfully floated 49% of its subsidiary company, Orogen Minerals Limited, which was voted by

Finance Asia as the best privatisation related offer for an Asian issue in 1996.

Through subsidiaries, Petroleum Resources Kutubu, Petroleum Resources Gobe, Mineral Resources Porgera and Mineral Resources Lihir, MRDC will continue to play its major role as trustee of the nation's wealth from its rich natural mineral resources for an on behalf of landowners and the people of Papua New Guinea.



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Left: Local Anga villages in remote Watut River Valley

Two hours into my four hour, 110km journey, we had only encountered one solitary vehicle so far on the 'Highway'. However, the ride has been a fantasy land adventure on a potholed, dirt road, traversing a virgin rain forest which looks like something straight off the set of *Jurassic Park*, only larger. Despite the windows being up as protection against a persistent drizzle, we are assaulted by a symphony of jungle sounds and smells, including shrill announcements from the symbol of Papua New Guinea — the bird of paradise.

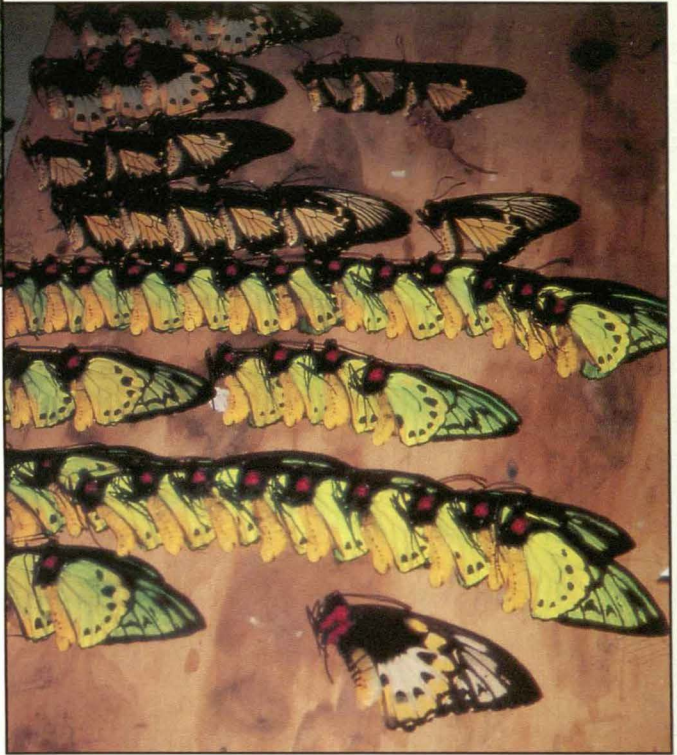
While in Bulolo for one specific purpose, I find the time to investigate what the town and the surrounding area might offer for a return adventure at some future date. There is a multitude of things to do and see in this lush region including visits to the huge, rusting gold dredges, natural caves, wrecks of World War II aircraft, natural hot springs, exciting river rafting, botanical gardens and much, much more. Incongruous to the current, sleepy economy of the town, there is even the still open and operating Bulolo Lawn Bowling, Golf and Tennis Club — a strange leftover from a gaudier era. I learn that the young Errol Flynn sought his fortune here before finding it later in Hollywood.

Rainforests the world over are not conducive to the presence of large animals as there usually are not enough open grazing areas for their survival. Necessarily, such forests are the kingdoms of a myriad of smaller animals and insects. The interior rain forests of Papua New Guinea host many such creatures including a dazzling variety of butterflies.

Alan Landford and his partner have established a butterfly farm in Bulolo which serves a multiplicity of purposes. It ensures that the insects will be protected from extinction as they are grown on site or harvested from a select network of people from all over the Highlands who deliver the pupae to the farm in strictly controlled and monitored numbers. The farm also provides good income for some of the local townspeople. Alan proudly displays the Queen Alexandra birdwing and Atlas moth, respectively the world's largest of each specie. The finale of my tour at the farm is to stand in a 5 metre square, net covered, open air hatchery surrounded by hundreds of brilliant butterflies fluttering around us — a truly magical experience.

Four hours east of Bulolo by four-wheel-drive, I enter a remote, high mountain valley shrouded in an eerie mist.

Below: Enormous birdwing butterflies at the Bulolo Butterfly Farm



It is the Aseki Region, home of the Anga people. The seventy kilometre journey takes me over two mountain passes well above 2,000 metres and through many villages situated astride the banks of rushing rivers in the valleys and canyons below.

This is a coffee growing region. Based on the meagre, sometimes treacherous and always exciting road, I find it difficult to imagine that a local coffee buyer makes this same route in an old flatbed truck every week, stopping every few kilometres to purchase a bag of aromatic beans. Even without a defined schedule of any kind, the local growers seem to know when he is coming and bring their harvest to the road side.

Here, most of the people are Angas and nearly all I encounter are still traditionally dressed. Westerners rarely visit this area and I always draw a curious but shy crowd whenever we slow down or stop along our route. The Anga are direct descendants of the Kukukuku people who are known for their ferocity and warlike ways. Today, they seem to live a tranquil, if somewhat isolated existence. They prefer to be known as Angas as Kukukuku in local dialect translates to 'thieves'.

Until the advent of Christianity, the Angas would smoke the remains of their dead in the rafters of their homes, placing the deceased over the central cook fire. Once mummified, they would place the revered family member in places of honour around or in the village. Smoking was done after evisceration where the organs of the deceased might be consumed. If the dead was a good person in life, it was believed that to consume his heart would pass the goodness to the diner.

The Angas, though small in stature, were highly feared for their all-too-often violent raids on neighbouring villages. Legend suggests that during one of these raids nearly one hundred years ago, nineteen men, women and children were slaughtered. Their bodies were smoked and taken high into the surrounding mountains where they were placed on scaffolding built into an exposed limestone bluff overlooking a deep chasm.

With Ken my driver, an Angan guide and his two small sons, I follow a narrow overgrown path straight up from the road for a twenty-five minute arduous climb into the lingering mists of the high jungle cliffs to this mysterious place of homage. On the way, Ken translates my questions of the Anga into Tok Pisin and does his best to re-translate the answers back in broken English. In spite of the high elevation and misty overcast, it is still tropically humid. I make excuses to stop, ostensibly to admire the splendid valley views, but in truth, I need to catch my breath and wipe my brow.

The children dash ahead and I lose sight of them in the overflowing jungle as our guide stops and points to a protruding rock outcropping above and to our left some four hundred metres away. I see a line of dull red splashed the length of the bluff and it's not until I focus my telephoto lens on the dash of colour in the otherwise green surroundings that I realise that I am looking at a line of lifeless bodies seated along a benched scaffold.


Simultaneously, I hear the children's high pitched melodic voices singing down at us from above. The re-echoing of their melody throughout the high canyon provides a surreal counterpoint to the natural sounds drifting from the surrounding jungle.

When we arrive at the limestone bluff our guide explains that the reddish cast of the bodies before us is a result of coats of ochre coloured river clay applied as a preservative for the mummified skins and to keep grazing insects at bay. The dead are arrayed in lifelike postures and are amazingly intact after all these years. It seems that this should be a very holy place and, indeed, its orientation high on the cliff commanding sweeping views of the valley is certainly worthy of such. However, Ken translates that it is really more of a memorial than truly hallowed ground. Since the advent of Christianity to the region, very few Anga visit here anymore. Our guide tells us that the local village elders do hold an annual celebration at the site to honour these fallen, ancestral comrades, but the mission-educated younger generation seldom attend.

Although the inevitable cultural disruptions and tourism are changing the world's last wild places, often destroying the very cultures and natural wonders that lure tourists in the first place, Papua New Guinea remains one of the few and last places where one can visit and experience relatively untainted art, culture and people.

Smoked people of Aseki in deep jungle beneath an obscure limestone cliff—Anga memorial to 19 slain men, women and children slaughtered in a raid on their village over 80 years ago.





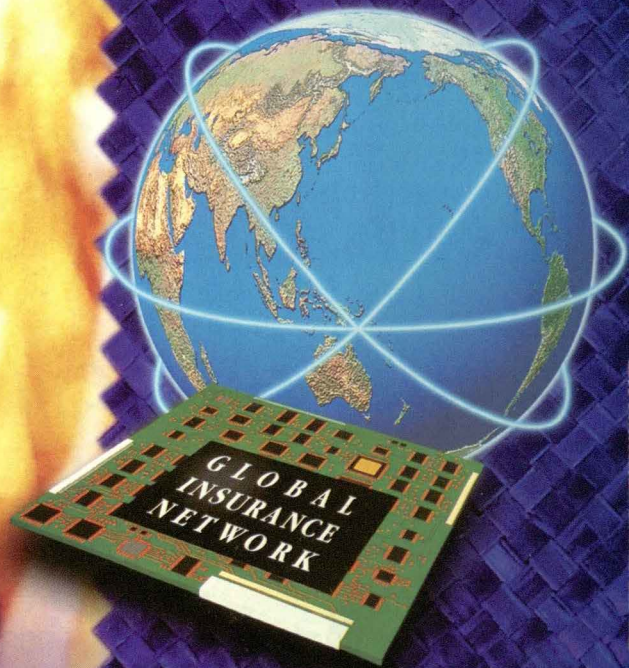
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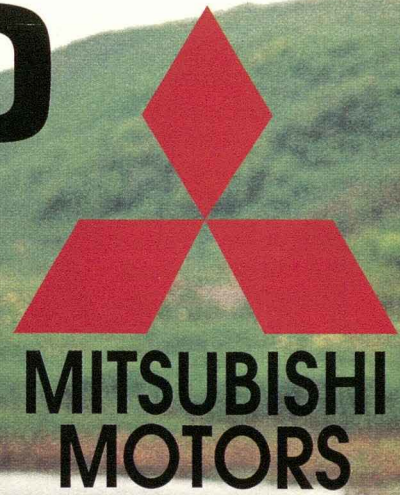
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MUSEUM NEWS

The Independence Gallery

by John Rei

Papua New Guinea is home to some of the world's most attractive traditional ornaments, jewellery and musical instruments. At the National Museum and Art Gallery in Waigani, the Independence Gallery offers an experience of walking through a showroom of exclusive Papua New Guinean artefacts, made by the finest craftsmen.

Upon entering Independence Gallery, your attention will be caught by the display of a full size sea-going Kula canoe from the Trobriand Islands. The display is a mark of the conquest of the Pacific when seafarers challenged the mighty Pacific Ocean to settle its scattered islands ten thousand years ago. Accompanying this display are distinctively crafted model canoes from the Manus, New Ireland, Gulf and Central Provinces. Papuans are renowned for the historic voyages they undertook to trade clay pots for sago with their neighbours from the Gulf Province.

Further up the aisle is a show case of *bilums*, traditionally woven from natural fibres of plants. The bags were woven in the early days to ease the problem of



transporting produce from the garden back to villages. Today, the *bilum* has more than one purpose and is classified a unisex item. Many Papua New Guineans overseas wear their *bilums* as a sign of identity. Here, the collection is dated back to the early fifties highlighting some magnificent designs.

Next to this section is a comprehensive arrangement of traditional jewellery and ornaments. Look around and you will find yourself surrounded by displays like a dog-teeth necklace, bark waist bands, traditional shell money, chest ornaments and head dresses made of different birds including the bird of paradise and the cassowary. More amazing still is a traditional sleeping bag of woven pandanus fibres and grass skirts from

Central Province. You will be bewildered by the way in which animal bones, natural fibres and feathers meld together to form these colourful ornaments and body decorations.

Complementing this section is a display of traditional kitchenware from the Sepik, New Ireland, Morobe, Madang and Gulf Provinces. There are displays of coconut scrapers, a selection of wooden bowls and other essential cooking items. At the far end of the gallery is a typical traditional highlands hut built to order. This is a man's house in which men sat to prepare for tribal war in the olden days, a practice very much alive today.

The final exhibit is a photographic and showcase display of traditional musical drums, pan pipes and flutes collected from various parts of the country. Looking carefully at these musical instruments you will discover the high degree of artistic ability and skills required to make them.

The museum has five galleries, all designed and constructed in an harmonious manner. The museum caters for travelling exhibitions and also hosts a variety of domestic exhibitions from school projects to fine art.



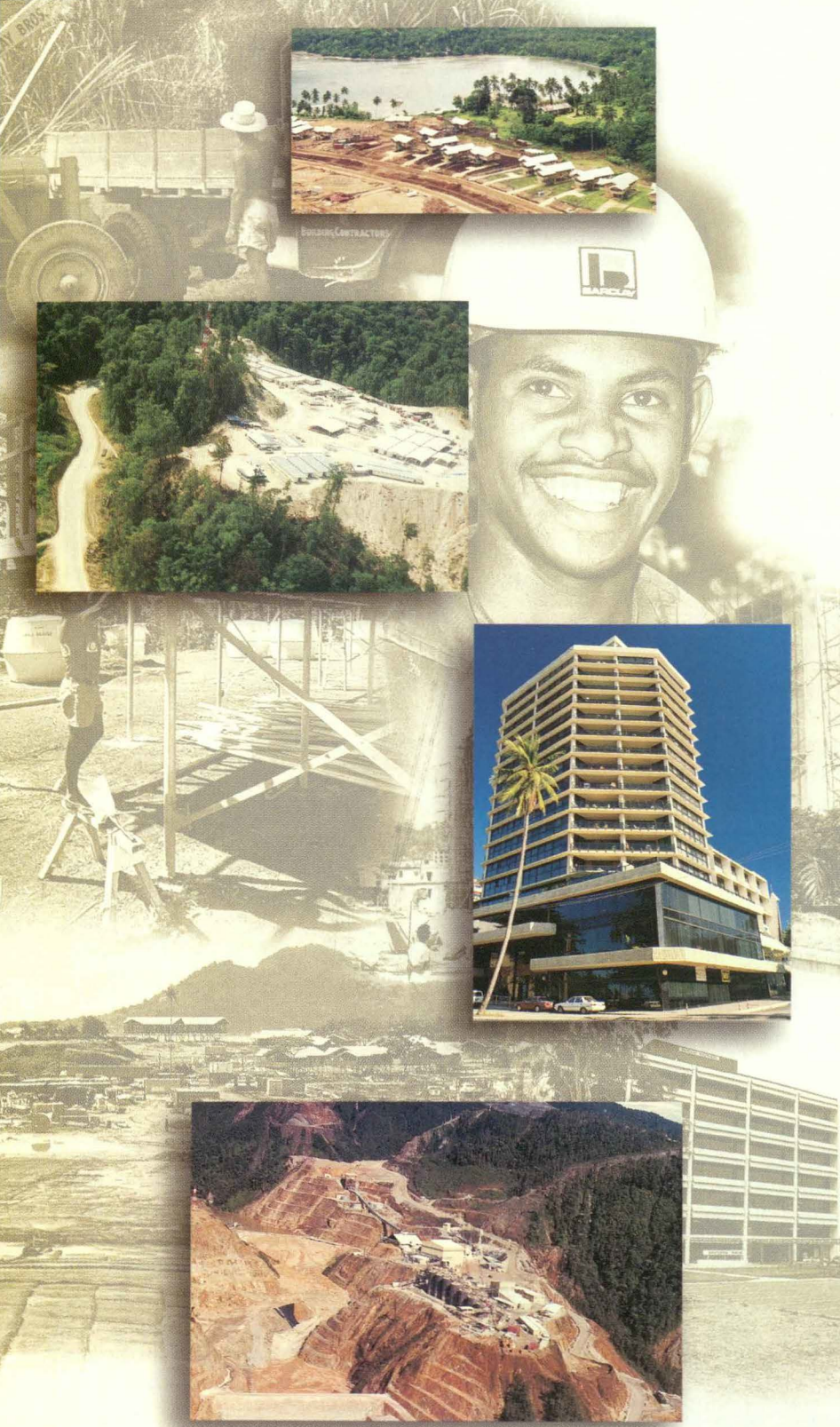
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LIFE BEGINS AT 40

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Our 40 year partnership with Papua New Guinea is set to continue and flourish, as we accept new challenges that call for experience and know-how in order to go forward.



Barclay Mowlem celebrates 40 years in Papua New Guinea

Story by Doug Russell

Photographs supplied by Barclay Mowlem

Barclay Mowlem will celebrate a 40 year association with Papua New Guinea in mid 1998 by working on a significant project in the country's isolated heart — the South East Gobe Project.



This project is part of the Gobe Petroleum Development approximately 450km north-west of Port Moresby in the Southern Highlands and Gulf Provinces. The formidable terrain features underground rivers and caverns as well as heavy rainforest vegetation (*photo on right*). The Gobe oilfields with a projected production of 50,000 barrels of crude a day will be the second largest oil producer in the country once full production is achieved. Production output will feed into the existing Kutubu Export Pipeline.

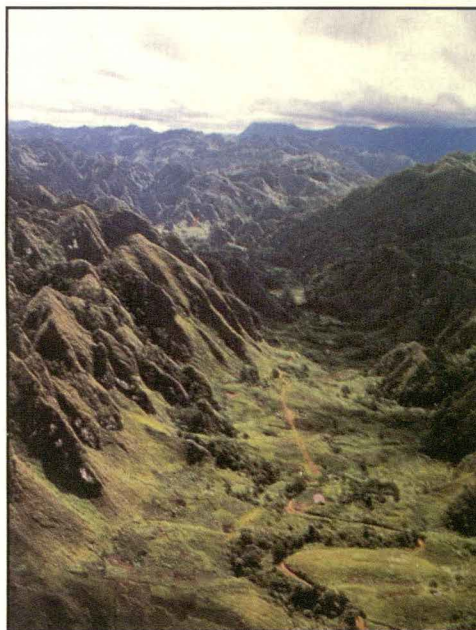
Local company director Brian de Luca said, *Barclay Mowlem can trace its roots in Papua New Guinea to shortly after the Second World War when the Barclay brothers, Don and Ian, began working in the region.*

The organisation has created a reputation of reliability and performance in remote and isolated locations.

The company's first major contract in the country was the Madang General Hospital in 1958. Experience has now expanded to include construction of infrastructure for petroleum, oil, energy and gas projects.

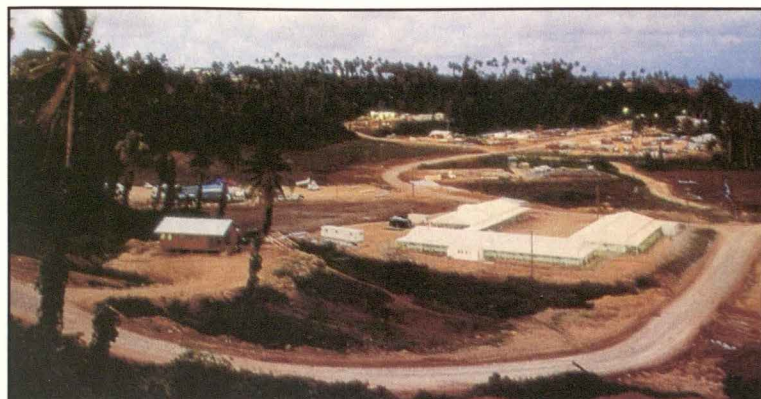
At the site of one of the world's largest gold mines, Lihir Island, Barclay Bros had no existing infrastructure to rely on when asked to construct two camps consisting of a total of 1610 beds as well as kitchen/mess areas, senior staff buildings, laundries, offices, security buildings and recreation areas (*photo below*). This necessitated the construction of a temporary wharf to receive building components that were prefabricated in the Barclay Bros joinery workshop in Port Moresby.

The South East Gobe project manager, Chevron, awarded the first contract for the project to Barclay Bros in joint venture agreement with Curtain Bros. The joint venture recently completed the project, worth K55 million. It involved five million cubic metres of excavation and associated works to rebuild 80km of the Kutubu access road. The joint venture was also awarded the construction of the main access roads to the production facility and feeder roads to the remote well sites through rugged and difficult terrain covered with heavy vegetation.



In addition to these major earthworks projects, Chevron awarded Barclay/Curtain the contract to manufacture and supply concrete for the project, construct the civil work to the production facility and install the water, electrical services and miscellaneous pipe work.

The works totalling K65 million were completed well ahead of expectation, substantially under the target budget. This allowed first oil to flow in May, 105 days ahead of time — a fantastic result for all stakeholders.



CREATIVE WRITING - Tattered Moon

Story by Alfred Faiteli

The silvery moon shed its beaming rays over the placid waters. Its majestic reflections sparkled in the roll of waves as they gently unfolded on the white sandy shores. It was a perfectly calm and splendid January night as the two lay entwined in a warm embrace under the heavenly stars. Aside from the faint sound of tranquil breathing, they were both silent and motionless.

Tonight was the night. They made love. The sandy bed, the soothing waves, the cool sea breeze, the twinkling stars and the marine-scented air made this truly a romantic night, one to remember for the rest of their lives.

Hidomo had come home from Port Moresby for a visit. His date for the night, Sine, had just turned eighteen two days ago. Both had been friends since Hidomo's arrival in the village.

Promise you will marry me, whispered Sine into Hidomo's ears.

Looking deep into Sine's eyes he replied: *I will live for you. Never shall I let anyone break this love we have for each other.* He pressed his lips against hers and gently stroked the nape of her neck. They both giggled, smiled and caressed each other. It seemed nothing

would break this relationship. Nothing, nothing in the world.

In the stillness of the night, a faint call was heard. *Sine! Sine! Sine!...*

Hidomo, realising something was wrong, suddenly held Sine tightly in his arms. Behind the beach-shrubs, flickering hurricane lamps emerged. A search party was on the move.

Sine! Sine!... where are you? The call continued.

Hidomo, I am scared. It's my parents. I know for sure they will beat me up, Sine nervously proclaimed.

Don't worry. I shall explain to them. They are all a bunch of idiots. No education; always this 'tumbuna' business. I will give them something of the 'dimdim' mentality, Hidomo proudly replied.

Don't do anything stupid, please Hidomo. All I want is for you to leave. Go back to the village through the coconut plantation. I will tell them I was with you. You can then straighten this out with the village leaders tomorrow, Sine pleaded.

No big deal, darling. Small things! I can handle this situation. It's all peanuts to me, Hidomo boldly assured Sine.

In a matter of seconds, Hidomo was gone.

There she is! There she is! Excited voices roared from the search party. Sine could not move. She felt like an iceberg frozen in solid ground. She wished the earth beneath would open up and bury her alive. All the guilt and shame was too much for her to bear. She wanted to run and hide in the nearby bushes but her legs would not allow.

Sine — you idiot, shouted her father Bada angrily. *Don't you know we have been worried sick about you? Without warning, he landed the palm of his right hand on her left cheek. What are you doing at this time of the night? Don't you know you have brought shame upon my good name? Who is this person? Who is it?* Bada's voice thundered in the air as he stared into Sine's trembling face. *Tell me who this no-good is. Tell me! Tell me! Tell me right now!*

Nervously and with great difficulty, Sine shyly spoke out, *Hi...do...mo.*

Who?... Hidomo. That animal.

Suddenly, mother Kedu's voice erupted from behind. *Shame! Shame! Shame on you! See what you have brought on us. Nothing but guilt and shame.* Her hands shook and tears formed in her eyes as she screamed at the top of her voice. *You have no respect for dad and me and all your uncles and aunts. Honestly, you have let us down. Sine — you know what you are now: a useless, good for nothing, empty coconut.*

Bada continued. *Stupid brainless town fellow. He thinks he can get away with this. He thinks he can do anything with the 'dimdim' knowledge he has and look down on us. I will give him a piece of my mind tomorrow which will leave him torn apart. Sine, you get back to the house right now. Come on ... hurry up ... move.*

The dogs barked as the search party entered the village in the light of the hurricane lamps. The atmosphere in the village suddenly turned hostile. Shame and guilt could be felt everywhere as villagers whispered to each other about the evening's remorseful event. Gossip ran like wild bushfires set alight as people contributed their personal judgements and opinions to the actual facts. Truly, this was exciting.

Amidst the grumbling and gossiping, Bada, Kedu and Sine walked slowly to their house, their heads bowed in shame. Across the square of the village, Auhi broke the intensity of the hot whispers and utterances of the crowd.

Bada, it is all over. You pay back all that we have spent on you and your clan members. You have eaten from our claypot with our approval and love. Now according to your own shameful deeds, you have broken the pot. We therefore demand compensation as soon as possible. Give us back all you owe, you unfaithful human beings.

That is enough. Enough, the village councillor interrupted. *We will decide on that tomorrow. Please everyone retire to your hamlets. Retire to your homes. Enough of all this talk.*



By now the moon had almost reached the other end of the sky. Drifting grey clouds shadowed the moon's beaming rays. The January moon had now lost its reflective power. The winds were gradually mounting, the tide was rising, the sound of violent waves crashing rhythmically on the shore grew, getting louder and louder each time. The weather was changing. A storm was certainly brewing in the air.

On Sine's bed, regretful tears filled her eyes. She was cheated. She had just received appalling news from her younger sister. *Sine my sister, you have been cheated. You are really a fool to believe such an idiot. Hidomo is a married man with three children.*

Sine tossed and turned on her pandanus mat throughout the night. She could hardly go to sleep. She was restless.

The breaking of dawn brought cool, refreshing showers of rain. Deep in thought, Sine listened to the heavy raindrops pelting down on the sago-material house. The solemn promise she had made to Koko was gone, washed

away by last night's event. She sadly watched raindrops slowly dripping from the sago leaves into the tiny hollows made overnight in the ground. She could feel deep within her these drops burrowing a hole in her heart. She was indeed guilty.

The next day she entered the village courtroom astounded. On her right sat Koko and his relatives. Koko, her true love, the village man she was engaged to.



On her left, an empty seat was visible. Hidomo was gone. Gone to catch his flight to Port Moresby.

Ladies and gentlemen, the Sine-Hidomo case is postponed until such time Hidomo is available, announced the village magistrate.

Everyone left. Sine remained alone in the empty courtroom. She had lost everything virtually overnight. Koko had abandoned her. Her family had rejected her. Hidomo was gone. Her heart was broken and all her dreams for the future were shattered.

Sine felt empty inside. Her integrity, her pride, her trust and her individuality had all tarnished and gone like the wind. She needed to build her life once more on a new solid foundation.

She stood up and walked outside of the courtroom and gazed into the sky with confidence. Tears streaming down her cheeks, she gazed into the rising sun and sighed. She knew the truth. She was no longer a virgin. She needed another chance to shine once more.

She smiled.

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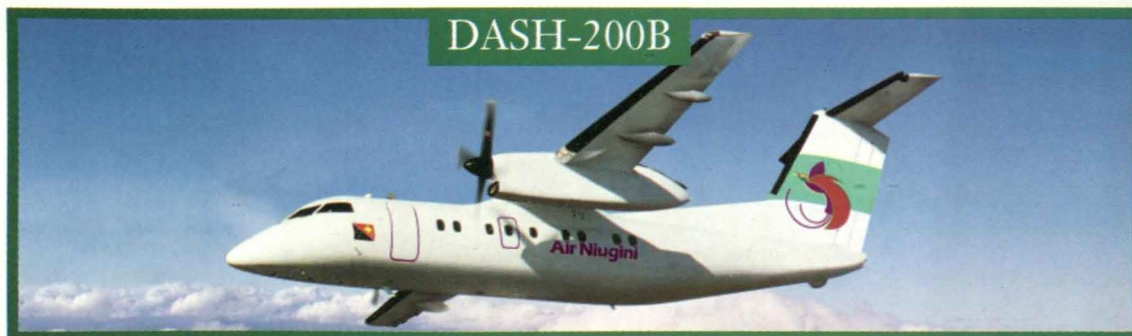
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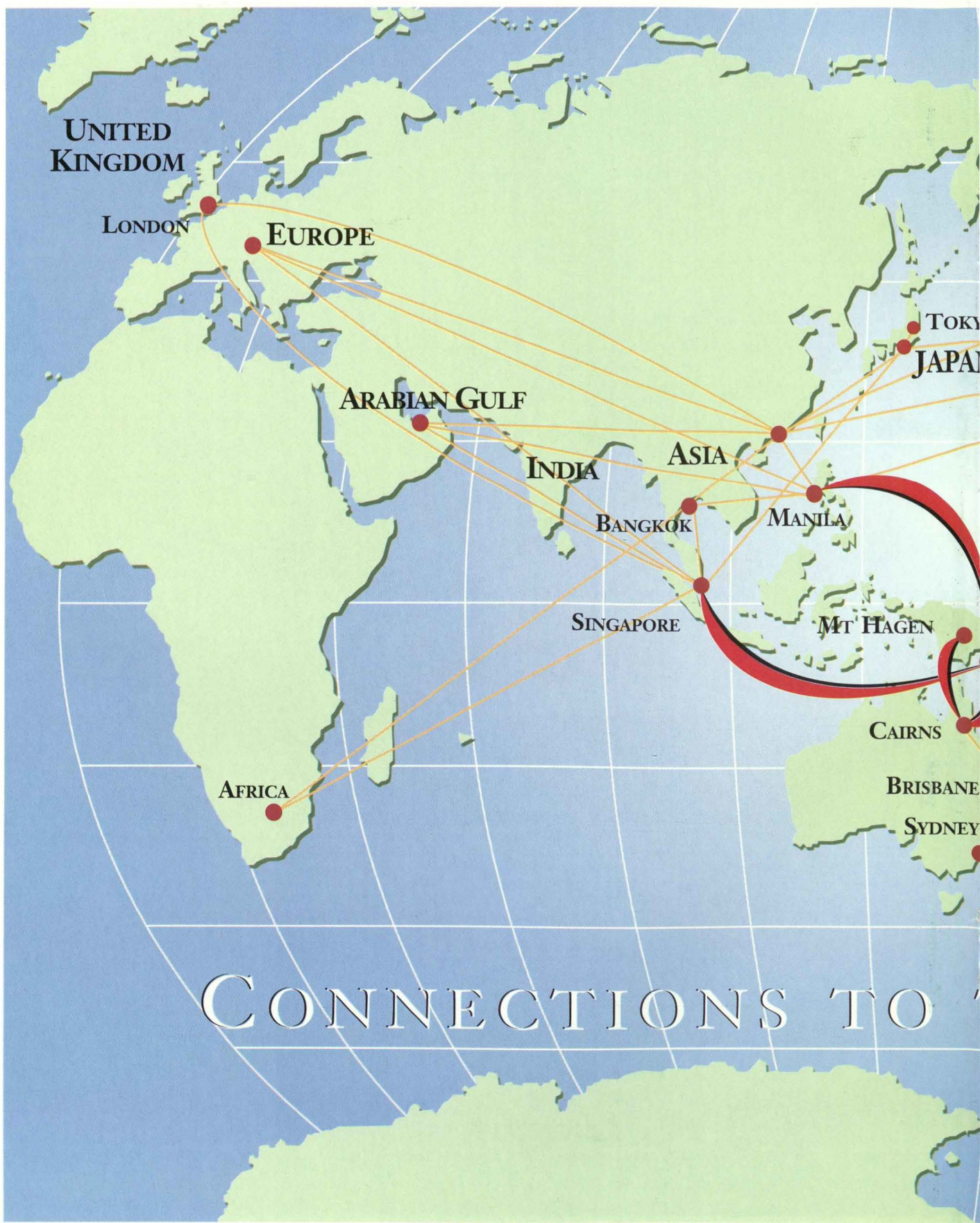
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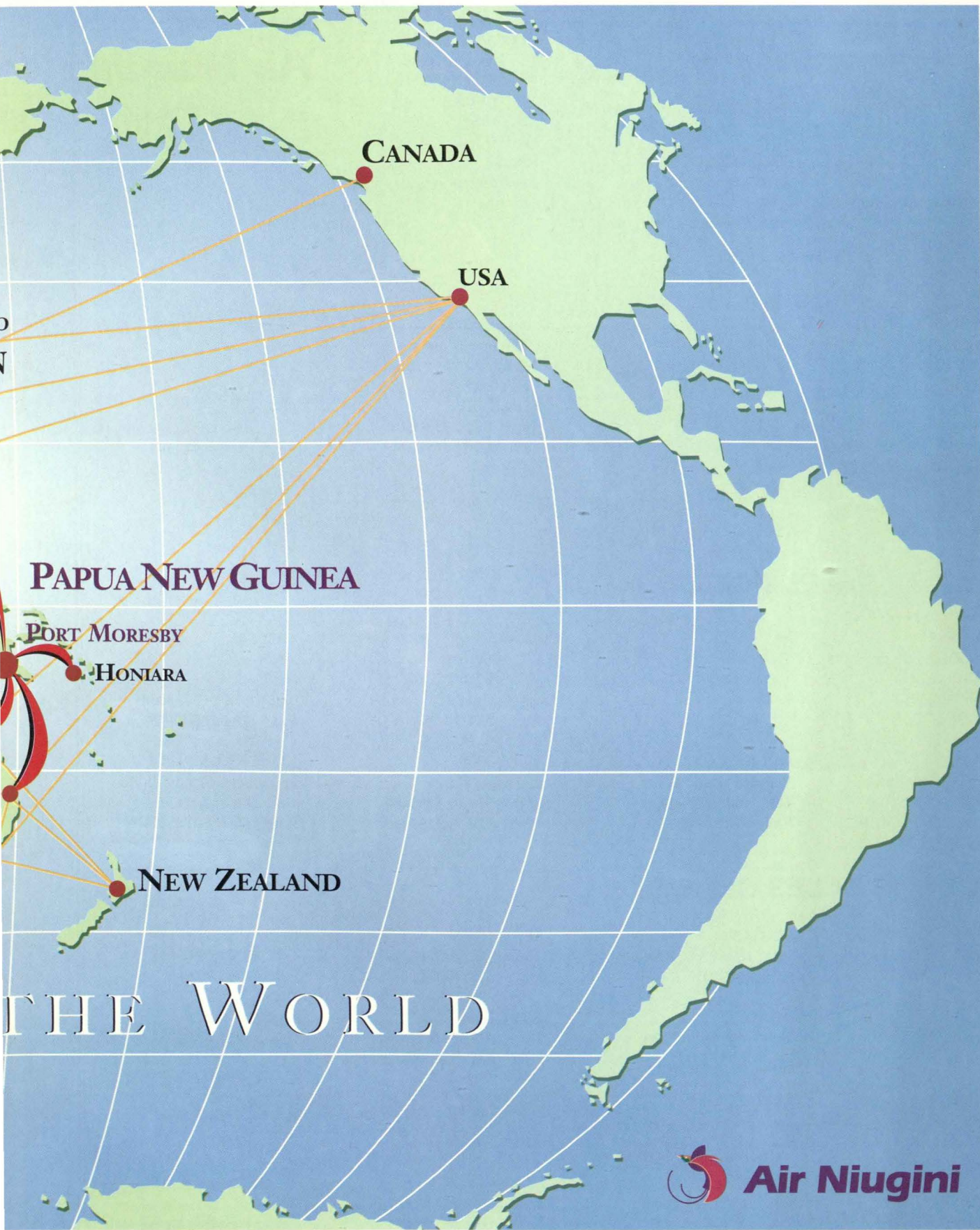


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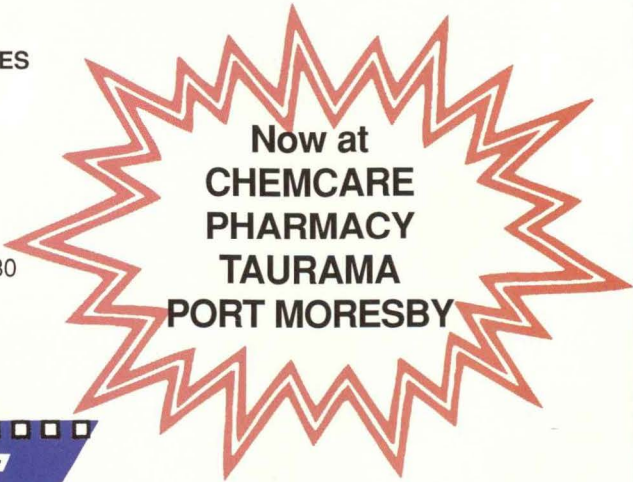
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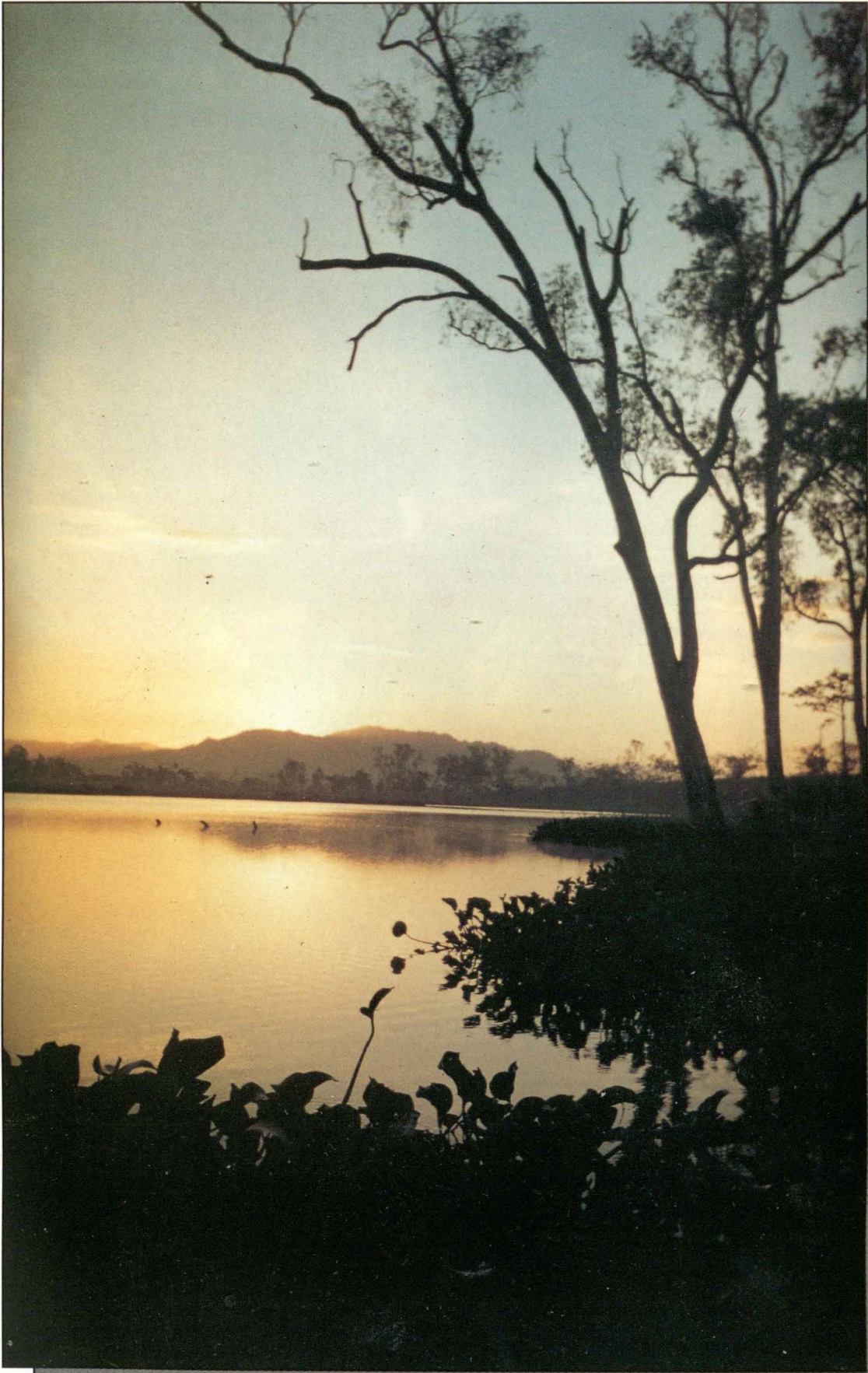
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Bid Nemki — winner of the Photograph Competition
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TELKOM PNG

Now we're really talking!

Taim Hangre

Story and photographs
by Keith Briggs

Papua New Guinea is a land of many climates. The altitude and rainfall determine the staple foods of her people in different places.

In the wet tropical lowlands sago is the staple. Sago trees grow in swampy land where the water table is not far below the surface, even in dry times.

In much of the flat country south of the Fly River with its relatively low rainfall, yams are eaten for ten months of the year. Stacked in traditional storehouses after harvest, yams keep for up to a year without deteriorating.

In the highlands sweet potatoes are the staple, supplemented by other vegetables. Highland people do not have any crop that will keep for more than a few days once harvested.

During the record drought in 1997, sago eating people still had their staple even though some hardship was experienced in carrying the pith to water for processing. Water in the swamps dried up and the fronds that constantly die and drop around each tree became tinder dry. Extensive bush fires, carelessly lit, consumed the dried fronds and killed countless hectares of sago palms. A sago tree at sea level takes about fifteen years to grow to maturity!

At the beginning of 1997, the south Fly had an exceptionally wet 'wet season' which rotted the entire developing yam crop in the ground. The yams are usually harvested just before the long dry season sets in, for which the people normally have ample sustenance to see them through. In 1997 there was absolutely no yam crop as the fierce drought began. Much of their supplementary sago was burned in the country wide bush fires.



Sweet potato plants need water, although they will survive with less than adequate rainfall. Despite Papua New Guinea being a tropical country, in dry times frosts are common at higher altitudes. Frost kills sweet potato vines very quickly. Where frost was not such a problem prolonged lack of rain soon caused them to wither and die.

At the height of the country's most severe drought for 100 years, more than a million people faced food and water shortages. By the end of 1997 more than 40 per cent of the rural population were estimated to have little or no food left and were surviving on what they could forage in the forests or on food aid.

The Government embarked on a massive drought relief programme, assisted by the Australian Government, churches and other overseas aid agencies.

Above: Relief supplies being unloaded from the Porgera Joint Venture helicopter at Mt Hagen

Below: Happy Lake Kopiago people carrying their relief food home





Top: Drought relief supplies store shed at Lake Kopiago

Above: Cooking oil, planting seeds, rice and flour ready to be distributed

In October 1997, AusAID, with the help of the Australian Defence Force, were asked to concentrate their efforts to help feed the most vulnerable — those with no food at all left in their gardens, and who were accessible only by air. Fixed wing aircraft and helicopters carried thousands of tonnes of food to isolated areas. In December alone, Australia provided 596 tonnes of food to villagers.

It was immediately recognised that handing out food was only a stop-gap provision, so emphasis was given to planting quick growing crops and to encouraging gardening practices that will help people weather future droughts.

AusAID, working with the Department of Agriculture and Livestock and the Fresh Produce Development Company, provided up to 400 tonnes of plants and seeds of fast-growing food crops to boost local replanting efforts. The varieties chosen were seed potatoes, maize, pumpkins, beans and other vegetables.

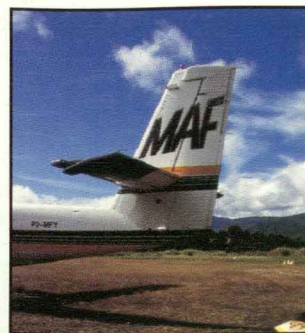


The planting of these crops reduced the time people were forced to rely on handouts, as they grow much faster than the traditional sweet potato and sago crops.

Besides distributing written material, provincial radio stations broadcast messages explaining the purpose of the planting material and the best farming methods to ensure their success. The most important message for farmers was not to abandon planting of their traditional crops. The new crops were intended to supplement, not replace, traditional foods.

World Vision was active in the western part of the Southern Highlands distributing food donated by AusAID. Expatriate and Papua New Guinean World Vision staff worked tirelessly for months coordinating and implementing this big project. Supplies of rice, flour, cooking oil and planting seeds were trucked from Lae to Tari and stored ready for distribution.

Missionary Aviation Fellowship (MAF) has been serving the churches and remote communities in Papua New Guinea for over 45 years. They flew 150



tonnes of relief food to widely scattered centres out of Tari. M A F carried a total in excess of 500 tonnes

within Papua New Guinea. Of this they flew more than 50 tonnes free of charge as their contribution to the drought relief effort. This was made possible through donations from individuals and organisations overseas. MAF also carried at least 430 tonnes of drought relief food in Irian Jaya. The 50 tonnes of rice distributed by MAF in the lower Fly River area was a donation from the Swedish Government through MAF Sweden.

Left: People filing past to receive supplies
Above: Tail of the MAF plane delivering supplies



Relief supplies being unloaded from the MAF twin otter at Lake Kopiago

As MAF ferried relief supplies to airstrips like Lake Kopiago, Agali, Wanakipa and Auwi they were lifted to eagerly waiting people in remote places by helicopters supplied by Porgera Joint Venture.

Prior to this, World Vision personnel had trekked or flown to these isolated communities to ensure the supplies

would be fairly distributed once they arrived. Each family head was identified and given a coupon. When relief food was ready for distribution each family was given their allocation in exchange for the coupons.

By January 1998 good rainfall was general throughout the country so people began planting their gardens

again, but it will be six months or more before sweet potato crops at high altitudes can be harvested.

The impact of the drought was magnified by the reliance on rainfall for water in rural areas. Had other sources been available, such as wells or irrigation, the drought would not have affected so many people, so quickly.

Attention is now being given to identify and implement appropriate water solutions. These projects when completed will provide more secure access to water for many villages. More crops will be able to be grown and health and hygiene will improve. Women, whose traditional role is to fetch water, will especially benefit from water sources closer to home.

Unfortunately, natural disasters are not uncommon in Papua New Guinea. Volcanoes, cyclones and other such disasters are a feature of the country's geography and weather. The experience gained in responding to this large-scale drought will enable the authorities to be better prepared for any future crisis. 🌀

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PEARLS AND SAVAGES

Story by Eric Lindgren

Photographs from *Pearls and Savages* 1924

Now and then there appears out of the confusion of our complex and noisy civilisation a being seemingly strayed from some more romantic day when galleons sailed the blue Caribbean and Marco Polo, moved by a great curiosity, set out on his adventurous journeys to Cathay. In an age when human effort so largely tends towards making life a communal and unindividualistic affair, the figure of a man who desires solitude and the experience of penetrating an unexplored country, stands forth unique and somewhat incongruous.

Such a one is Captain Frank Hurley, of Australia.

So wrote the American publisher George Putnam in his foreword to Frank Hurley's book 'Pearls and Savages' (1924).

Putnam himself was not adverse to adventure for his wife, Amelia Earhart, was perhaps the most famous aviatrix of her day. Her disappearance in July 1937 on a flight from Lae to Howland Island remains unsolved to this day.

Frank Hurley was a photographer-adventurer of renown. He accompanied Douglas Mawson to the Antarctic in 1911 and some of the photographs he took then are acknowledged as the best ever to come out of the frozen continent. That he used an unwieldy glass-plate camera and slow film emulsions makes his efforts even more wondrous compared to the best of today's nature photography. Pre-World War I he joined Ernest Shackleton on his journey to the Pole and experienced the forces of nature when their ship was crushed and they were compelled to live on a drifting ice-flow for months before reaching Elephant Island. Here the group spent seven months living under two upturned boats.

'It was under that boat that the idea of exploring New Guinea was born.... In the daytime we talked of nothing but the tropics and palm trees and while the wind blew ninety miles an hour and the snow covered our shelter, our party planned an expedition into New Guinea the moment we were rescued', wrote Hurley.

Unfortunately WWI interrupted these plans, for it had broken out while those men sheltered beneath the boats.

Hurley enlisted as an official photographer for the Australian Expeditionary Forces and it was here he had his first taste of aerial photography. France, Flanders and Palestine were captured on film for posterity.

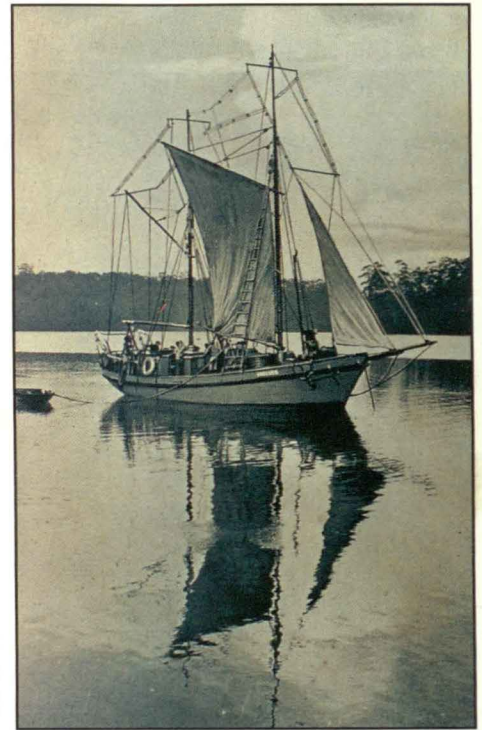
After WWI Hurley found that his band of brothers was sadly diminished. Only one was in full health. Death, crippling injuries and ill-health had claimed the remainder of his friends. So Hurley resolved to make the expedition to New Guinea on his own. Eventually five Europeans and varying numbers of local guides took part. Alan McCulloch, ichthyologist from the Australian Museum joined, welcoming the opportunity to collect a fish fauna related to that of Australia.

A forgotten land out of the Stone

Age: Hurley started his journeys with a preliminary expedition of ten months to the Torres Strait and coastal areas of Papua. He regarded this as a reconnaissance for a more lengthy scientific expedition which would penetrate farther into the interior of this land of the unexpected.

This first expedition resulted in a motion picture film including shots taken from an aeroplane — some of the first aerial photography in the world. Two seaplanes had been made available by Mr Lebbeus Hordern, a Sydney businessman, as well as a shallow-draught sailing boat, *Eureka*. Wireless communication enabled the party to file daily reports to Sydney and readers of the evening papers could follow that day's adventures of the expedition.

Missionaries and Barbarians — Mukawa, Boianai and Mailu: 'Perhaps head-hunting is primitive barbarity, but it has a much more terrible counterpart in modern civilisation — war.



Hurley's yacht Eureka on the Fly River, 1922

Civilisation of today is after all purely a matter of grade in barbaric nature.'

Hurley was full of praise for the missionaries he met: 'They are more of a pioneering breed, and I don't think induced to the country through their stipend or visions of a life of luxurious tropical lassitude.' The Monseigneurs of Yule Island '... enter the vast loneliness of the mountains to be swallowed up forever by the abysmal solitude. They are wedded to their church and its work and they never expect to return.'

Hurley's journey took him along the south-east coast of Papua from Yule Island past Port Moresby to Milne Bay, then round the corner to the village of Coira, near where Popondetta now stands. It was made successful by the chain of mission stations strung out along the coast. '... Along the north-east coast of Papua there are seventeen Anglican stations in charge of whites and about as many more in charge of South Sea Islanders and native teachers.'

All the while McCulloch and his companions were collecting natural history and ethnographic specimens for their Museum: 'Bright-hued birds and gorgeous butterflies, glorified by silvery sunbeams, filtering through the green canopy, flitted like fairies through this enchanted Eden.'



Above: Frank Hurley (sitting) and three missionaries of the Sacred Heart Mission, Gulf Province 1922

Below: 'The canoe that flew like a bird', Hurley's Short Shrimp at Elevala, Hanuabada 1922

The Cycle of a Coral Reef — Blossoms of Stone and Fish of Flame: 'I am seated 'neath a shady palm on a high dune looking over the flats of Dauko and the emerald shallows of my coral lagoon. On the beach below, Friday croons as he kindles the fire, and while the billy boils, McCulloch and our native friends are out in the shallows, netting the evening meal.'

They had come to this place in a dug-out canoe crewed by men from Hanuabada. 'The least breeze moves the craft along, and even in the highest winds the canoes are remarkably seaworthy.' This was a *lakatoi*, a canoe with a large crab-claw sail, used for the annual Hiri trading journeys to the Gulf of Papua. 'Friday's fire burns homely on the beach.'

The natives gather round the campfire, and we talk to them of cities, people, and so-called civilisation. They listen fascinated, and wish to see it all. ... Here on Dauko we are living a real life, free and happy. All this, and on the other side, life in a city flat! One wonders if our civilisation is all that we think it is.'

A large crab disturbed Hurley's sleep on the sandy beach. There were literally thousands of them moving across the beach towards the water. 'McCulloch, come see!'

'So what!' says the ichthyologist. 'They are perfectly harmless, only *Ocypode ceratophthalma*.' But the gentle scientist grew 'crabby' when they scurried and crawled all over him.



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Waragi the Philosphic — Coira, Wanigella and Orokaiva: 'Only a very aged man comes down each day to the old haunts; he is finishing a canoe. I wish I could understand old Waragi's grunts and jabber; he is such an interesting old scarecrow.'

Waragi's prize possessions were a necklace of human teeth and a little network bag containing a lime pot, green peppercorns, betel nut and a miscellanea of bits and pieces.

His sons helped him finish the canoe and Frank Hurley chartered it for two sticks of tobacco per day. Both men were pleased with the deal. 'Drifting in old Waragi's canoe, the feeling overcame me. The more I saw of Papua, the more I realised it to be the most wonderful and unique country of our globe. Here and there the gorgeous scarlet of the D'Albertis Creeper blazed like dazzling flares.

Other canoes passed us going down stream laden with produce from their gardens, and ever rose the welcome hail *Oroda! Oroda!* The greeting was echoed again by the villagers around Cape Vogel, *Orokaiva! Orokaiva!* they called', giving rise to the modern name for the area — Oro Province.

Kaimari, a village out of the prehistoric world: 'Kaimari is quite unlike any other place I have seen. Looking down 1,000 feet from the seaplane the village appears more like a floating collection of thatched houseboats than anything else. Kaimari extends along one bank of the Kaimari River, and is proud in having three suburbs, Api, Kau, and Kaumai.

The home is built on a large number of piles, some four feet above the mud. The furnishings are of the simplest. A sleeping mat of pandanus, a slab of clay for the fire, a few clay cooking utensils, brought by the *lakatois* of Hanuabada and exchanged for sago once a year. On

the wall sundry bows and a collection of arrows and those indispensable accessories of every Papuan, the dancing drum, the characteristic *bau-bau* (smoking pipe) and the little bag containing the lime gourd, betel nut and sundry odds and ends.'

The expedition was now venturing in a different direction, from Port Moresby westwards. Kaimari lay midway between the Port and the delta of the Fly River. Hurley and a companion had flown along the coast to rendezvous with the rest of the party at Kaimari.

'The *Eureka* and the *Seagull* are moored close inshore at the southern end of the village and a large crowd of males of all ages collect there from dawn until dark to gossip over the strange craft that came to them through the skies.'

Up a tropic river into the unknown — Aduru and the untamed, lonely paradise beyond: 'A thorough overhaul of the machine disclosed the fact that the fabric on the wings was completely rotten and the machine unairworthy.' At Daru, after a flight through a world of mud, cloud and rain, the realisation hit that the *Seagull* could no longer be used by the expedition. Accordingly Hill and Lang flew it to Thursday Island and radioed the news that they had arrived safely.

3rd January — 'We left Daru at 10.45am and headed across the shallows for Tauru Passage.'

They were on their way to the mighty Fly estuary, 65km across. 'This mighty stream though but five hundred to 600 miles in length, is said to pour into the sea as much water as the Amazon.'

Later: 'The anchorage off the village of Aduru with the full moon silvering the ripples that swished across the mudbanks was a scene of dreamy enchantment.' But at dawn the dream became a nightmare. '... We found ourselves squatting fairly in the centre of a great mudbank ... The fall at spring tides must be fully twelve feet.' Nature came to the rescue: '... in the space of 30 minutes mudbanks and shallows have all disappeared and the river returns to normal appearance.'

13th January — 'We continue all day until darkness renders travel on an unexplored river unsafe on account of drift logs and silt banks. ... McCulloch collects what he can which comes aboard — flying insects, butterflies, dragonflies, etc. I do sundry mechanical jobs and repairs.'

16th January — 'We continued to pass up the Herbert River which is draining Lake Murray. I should estimate the current at no more than a mile per hour. ... We noticed one canoe in the remote distance through the glasses — the first human life seen since leaving Aduru on the Fly River, two hundred miles away.'



Head studies of three men and a woman at Goaribari Island, Fly River delta 1922

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*Frank Hurley and
his cine camera at
Aird Hills, Gulf
Province, 1922*

The Lake Murray villagers, who kept to the forest and grassland, made no contact with Hurley's party. 'Sambio! Sambio! Peace! Peace!' they cried wherever they went. Finally they overtook two long canoes, one holding eight men, the other stuffed heads, stone axes, bows, arrows. 'After much deliberation the canoe began to row slowly toward us. ... I admired the prowess of these men immensely.'

Photographs were taken including a beautiful study of a man surrounded by lotus flowers. McCulloch transcribed a song to a musical stave and they took their leave.

'From the distant reeds a solitary figure paddled in a canoe, faintly calling across the waters *Sambio! Sambio!*'

'The Demon from the Skies', Hurley's Curtiss Seagull near a village in the Gulf of Papua, 1922

Hurley's film of the expedition *Pearls and Savages* and his *Lost Tribe* received the acclaim they deserved. World-wide attention was drawn to the skills of this adventurous photographer from Australia. Frank Hurley is now recognised as one of the world's greatest cinematographers, an equal of the great Australian Damien Parer who a few years later was to make his name as one of the greatest war photographers to come out of World War II. The parallels of their lives — adventurous, individualistic, each with a love of Papua New Guinea, and each maturing in their photography during the throes of war, seem striking from the distance of time.

I venture to believe the rare beauty of the book's pictorial material, thanks to Hurley's superlative photography, stands unequalled.

— George Putnam, publisher.



AUDIO ENTERTAINMENT

CLASSICAL Channel: 5

Coriolanus - Overture
(Beethoven)
Slovak Philharmonic Orchestra
Conductor: Stephen
Gunzenhauser
NAXOS

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

Aida: Triumphal March (Verdi)
Chorus of the Royal Opera
House Covent Garden
New Philharmonia Orchestra
Conductor: Riccardo Muti
EMI

Le Postillon de Lonjumeau
(Adam)
Nicolai Gedda: tenor
Orchestre National de la R T F
Conductor: Georges Pretre
EMI

Fantasia on a Theme of Thomas Tallis (Vaughan Williams)
Sinfonia of London
Conductor: Sir John Barbirolli
EMI

Wiegenlied, Op 49 No 4
(Brahms)
Victoria de los Angeles: soprano
Sinfonia of London
Conductor: Rafael Fruhbeck de Burgos
EMI

Il lamento di Federico (E' la solita storia) (Cilea)
Jose Carreras: tenor
Orchestra del Maggio Musicale Fiorentino, Orchestra del Teatro dell'Opera di Roma
Conductor: Zubin Mehta
DECCA

Symphony No 4 Op 90 'Italian' (Mendelssohn)
Berliner Philharmoniker
Conductor: Klaus Tennstedt
EMI

Sonata for Clarinet & Piano
(Poulenc)
Richard Stoltzman: clarinet
Nancy Allen: harp
Irma Vallecillo: piano
RCA

POP Channel: 6

Adia
Sarah McLauchlan
ARISTA

At The Beginning
Richard Marx & Donna Lewis
ATLANTIC

If You Can't Say No
Lenny Kravitz
VIRGIN

Ray of Light
Madonna
MAVERICK

Push It
Garbage
WHITE

Lady Marmalade
All Saints
LONDON

Viva Forever
Spice Girls
VIRGIN

Real World
Matchbox 20
LAVA

Lonely
Merril Bainbridge
GOTHAM

Let's Ride
Montell Jordan
DEF JAM

Turn Back Time
Aqua
UNIVERSAL



Angel St
M People
BMG

Off The Hook
Jody Watley
ATLANTIC

If God Will Send His Angels
U2
ISLAND

EASY LISTENING Channel: 7

Kiss Lonely Good-bye
Stevie Wonder
LONDON

Changes
Randy Crawford
WEA



Walking My Baby Back Home
James Taylor
COLUMBIA

How Can An Angel Break My Heart
Toni Braxton with Kenny G
LAFACE

Caminito
Julio Iglesias
COLUMBIA

Stardust
Natalie Cole
ELEKTRA

Whether Or Not The World Gets Better
Luther Vandross with Lisa Fischer
EPIC

Street of Dreams
Abbey Lincoln
VERVE

Amazing Grace
Michael Crawford
ATLANTIC

Like A Natural Woman
Carole King
EPIC

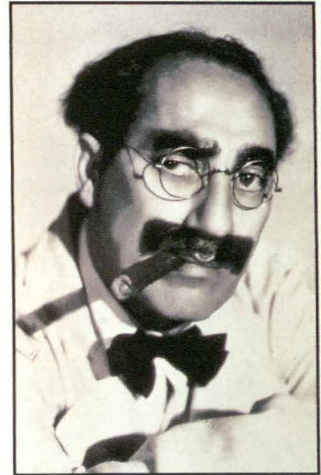
They Can't Take That Away From Me
Diana Krall
IMPULSE

Rosalinda's Eyes
Billy Joel
CBS

I Will Always Love You
Whitney Houston
ARISTA

Never An Absolution
James Horner
SONY

COMEDY Channel: 9



A Grouchy Patient
Groucho Marx
RAVEN

An Excerpt From the Comedy Store — 20th Birthday
Pauly Shore
UPROAR ENTERTAINMENT

Introduction To The Concert (By the Women's Club President)
Anna Russell
COLUMBIA

Kisses for Kaos
Get Smart
RAVEN

Bird Huntin' at Uncle Versies'
Jerry Clower
MCA

Jasper at 45
Jasper Carrott
EMI

Hotels
Shelley Berman
K-Tel

Is It on the Trolley?
Victoria Wood
BBC

Ledge Psychology
Bob Newhart
PICKWICK

Let's Do It
Noel Coward
COLUMBIA



Air Niugini

COUNTRY
Channel: 10

Happy Girl
Martina McBride
RCA

Always Will
Wynonna Judd
CURB

Out Of My Bones
Randy Travis
DREAMWORKS

If I Had Only Known
Reba McEntire
MCA

There's Your Trouble
Dixie Chicks
SONY

Small Talk
Sawyer Brown
CURB

When The Wrong One Loves You Right
Wade Hayes
COLUMBIA

Bye Bye
Jo Dee Messina
SONY

The Shoes You're Wearing
Clint Black
RCA

I Already Do
Chely Wright
MCA

I Do (Cherish You)
Mark Wills
MERCURY

One Of These Days
Tim McGraw
CURB

I'm Not That Easy To Forget
Lorrie Morgan
BNA

Buckaroo
Lee Ann Womack
MCA

Bad Day To Let You Go
Bryan White
ASYLUM

Matches
Sammy Kershaw
MERCURY

Commitment
LeAnn Rimes
SONY

CHILDREN'S
Channel: 11

Paddington Bear Theme
Freddie Williams & The Master Singers
INTERFUSION

I've Never Seen Anything Like It
The Cast From Play School
ABC

Holiday Packing — Game 3
Noni, Colin, Simon & John from Play School
ABC

The National Association Of 'W' Lovers
Bert from Sesame Street
ABC

Wellington And The Blue Balloon
The Wombles
BBC

Nursery Rhyme Rap
Armando Hurley
ABC

Kanga and Baby Roo
James Stewart
CAMDEN

When You Wish Upon A Star
Walt Disney
DISNEYLAND

Sleep And Rest
Jolly Doctor Dolliwel
METRO

The Amy Shake
Bananas In Pyjamas
ABC

Little Red Riding Hood
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At The Dance
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ABC

Bugs Bunny Meets Elmer Fudd
Mel Blanc
CAPITOL

Apple Pie
Arlo Guthrie
LIGHTYEAR

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
Ilahita 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'
Irelva 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

PAPUA NEW GUINEA
Channel: 8

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

Channel 8 recordings compiled by
Music Department Institute of Papua New Guinea Studies

PUZZLE ANSWERS

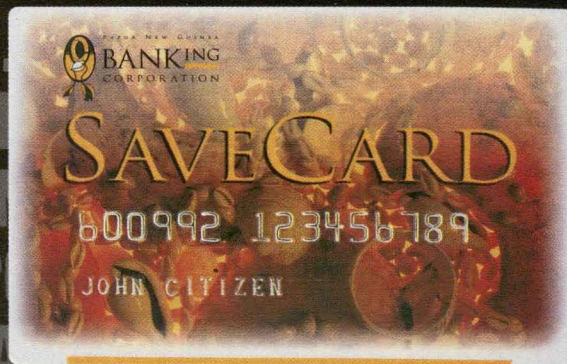
COUNTRIES	WORD CHAINS	E	D L E A Z Z I P T R B O
THA I L A N D	B L O W L A M P	A	B A L B A P U O S S F M
LEB A N O N	B L O T L A M E	T	M A D O L R A I A L M E
BARB A D O S	S L O T L I M E	I	A E E R R S A N P I O L
C A M E R O O N	S O O T L I N E	N	E H F R T E D N L T L E
AR G E N T I N A	S O R T L I N K	G	R C S S B W G K C R Z T
AL G E R I A	P O R T L I C K		C I E S I C S A S I E T
P A K I S T A N	P A R T W I C K		E U S C S H M S T K E
T U N I S I A	P A N T		C Q H E A S L L C U K E
GER M A N Y	P A N E	SHOPPING LIST	I E I K I A D C R P A K
MAKE WORDS	P I N E	newspaper,	S R E L D U I Z Z A I S
abate, abated, abet,	P I P E	bread, milk,	F R E G R U B T E R G A
ablate, ablated, bate,		sausages,	
bated, beat, beatable,		beans,	C X I D M U F J S D R X
beet, belated, belt,		potatoes,	L N E I N L K L E B E D
belted, beta, betel,		carrots,	O Z D P R S E T S U H W
bleat, bleated, data,		grapes	T R Z M O R E L P R S E
date, dealt, debate,	JUMBLED WORDS		H P E A Q B I C A S
debt, delta, eatable,	China, Wales,		E U K Y G B S N N S W V
elate, elated, late, table,	Mexico, Scotland,		S F J E R R N G S B E Z
tabled, tale, teal, teed,	Holland		Q M D E D Z W E E K L
9-letter word			T X T G W P N H P B S
—debatable			J A R E N E T F O S U
			W I A B W U N S N Y C

An aerial photograph of an oil drilling site on a hillside, surrounded by dense green forest. The site includes a tall derrick, several buildings, and various pieces of equipment. A geological cross-section is overlaid on the image, showing the subsurface layers of the earth. The top layer is brown, followed by a green layer, then a blue layer, and finally a dark brown layer at the bottom. A vertical line represents the wellbore, which is shown curving downwards into the subsurface layers.

Oil Search Limited

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and the nation**

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PAPUA NEW GUINEA
BANKING
CORPORATION

TALK TO US.

DESTINATION — Hong Kong

by Mary Ryllis Clark



The old man by the lake stood absolutely still, his knees slightly bent and his arms thrust forward. About a metre away a tall, svelte bird stood on one leg in the water, equally still. They had the same colouring — the bird with its soft grey wings folded sleekly along the curves of its body, the man in faded grey cotton jacket and pants. Both were deeply focussed — the bird on the goldfish in the lake, the man on his inner energy.

We were in Kowloon Park in Hong Kong. It was about 8am mid week but apart from the surrounding high rise buildings and background noise of traffic, there was no sense that this was the heart of one of the busiest cities in the world. The park was lush and green, with winding paths, open spaces and spreading trees. Flocks of pigeons, finches and green parrots fought over newly sprinkled seeds scattered round a sign saying *Do Not Feed the Birds*.

As the old man slowly, deliberately and gracefully changed his pose and the elegant bird shifted its weight to its other leg, I made my way out of the park past several groups of people all doing their own form of martial arts. Some, like the man in grey, were old. Some were middle aged and others, mostly in power suits and sneakers, were young. All shared a lack of self-consciousness and a total concentration on each movement.

Tai chi, they say, stimulates both the mind and body. Whether going off to run a stall in Nathan Road or a desk on the stock exchange, what better grounding, I thought, for a day in the life

of a city you share with more than 6 million people.

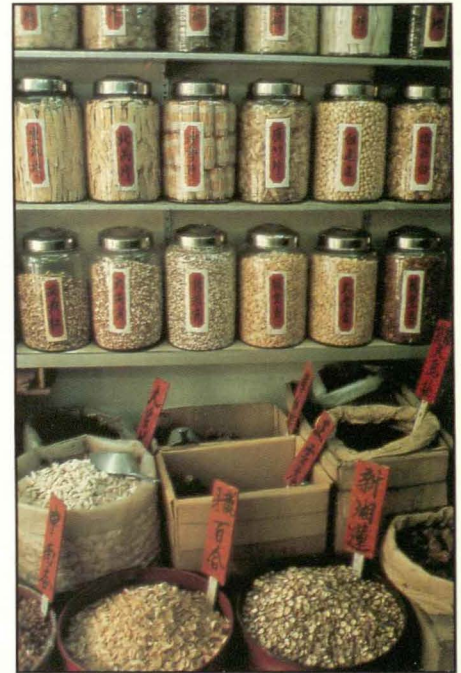
I met my guide Denny at the hotel after a quick toast and coffee, passing up steaming bowls of local Chinese delicacies that I would joyfully have sampled at lunch or dinner. *So what makes breakfast such a comfort zone?* I asked myself as I ran to keep Denny in my sights when he disappeared into the depths of the MTR (Mass Transit Railway).

We emerged at Scheung Wan near the Western District. Only a few minutes walk from the central business and administrative district with its multi-storey office blocks and couture shops, it is the oldest settled part of Hong Kong Island since the British took over in the 1840s. When the civil servants moved out, Chinese moved back and have been living and trading here ever since.

Baskets, boxes, barrels and bags of mysterious looking and exotic smelling produce spilled out into the narrow streets and lanes. Some, like the dried frogs, sea horses, splayed ducks and snake skins, were easy enough to recognise. Others, like deers' lips, sea cucumbers, shark fins, ducks' kidneys, nests made from the saliva of swallows and various parts of pigs, were not.

The most expensive of all, Denny told me, were the dried horns and tails of deer.

Apparently, shavings cooked with certain herbs do wonders for male virility. In his mid-twenties, Denny was too young to speak from personal experience but he consulted a shopkeeper in his mid-fifties who assured him knowingly, *Yes, he had many customers who paid very high prices for deer horn so it must be effective.*

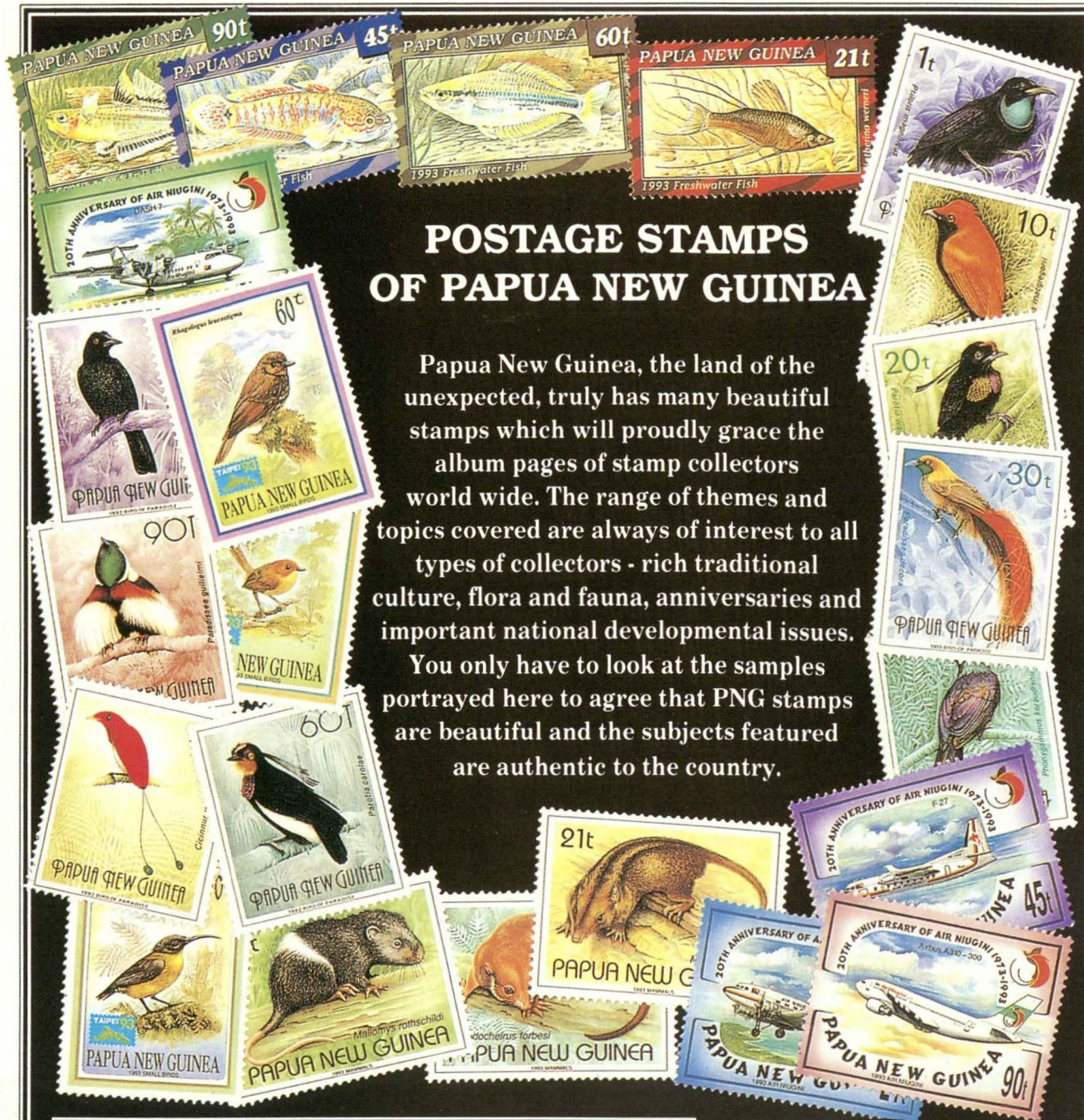


exotic foods.

Top left: *Old man practising Tai Chi in Kowloon Park*

Below: *Dried lizards on sale at Western Market*





POSTAGE STAMPS OF PAPUA NEW GUINEA

Papua New Guinea, the land of the unexpected, truly has many beautiful stamps which will proudly grace the album pages of stamp collectors world wide. The range of themes and topics covered are always of interest to all types of collectors - rich traditional culture, flora and fauna, anniversaries and important national developmental issues. You only have to look at the samples portrayed here to agree that PNG stamps are beautiful and the subjects featured are authentic to the country.

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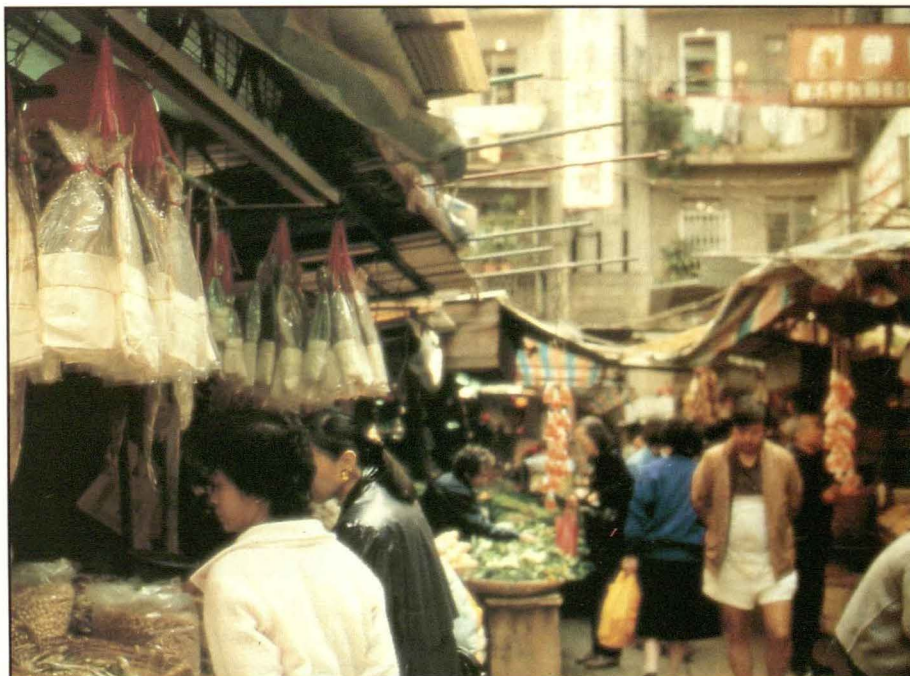
The shopkeeper's sparkling smile (at least six of his teeth were made of gold) followed us down the road as we set off for the middle level of Victoria Peak via the Hillside Escalator, reputedly the longest escalator in the world. The moving stairways change direction at mid morning to suit the thousands of commuters who live in apartment buildings further up the Peak. It moves down toward the sea until 10.30am then switches upwards for the rest of the day.

We hopped off the escalator at Lam Kwai Fung Road, a strip of smart restaurants, cafes and antique shops where young professionals lunch or relax at the end of the day. We headed for Stanton's, a new bar cum restaurant with all the confidence of the currently fashionable. With its bright modern decor, minimalist cuisine and smart young waiters, we could have been in Manhattan or Soho.

Over a glass of cool Fosters, I fell into conversation with David Burger, a young Australian business executive sitting at the next table. *What's different since the handover?* I asked.

Very little, he said. *The papers carry more China news than they did, but the most obvious difference is the lack of small change. Everyone is collecting the last of the coins with crowns and Queen's head on them.*

Afterwards I carefully checked every coin that passed through my hands but they were all post-handover. No crowns, no queens.



Above: Markets

Below: Jade market

Hong Kong may no longer be the bargain basement of the East, but it is still a paradise for serious shoppers. The previous day, we had taken a bus down the coast to Stanley Market and wandered amongst dozens of stalls selling cheap silks and faux couture. For the afternoon, Denny insisted on a stroll down Nathan Road, Kowloon's Golden Mile — neon-lights on neon lights, traffic, people, stalls, hotels and signs. Add the smells of human sweat, petrol fumes and subtle spices to the cacophony of street sounds and you have archetypal Hong Kong.

We walked as far as the Jade Market at the junction of Kansu and Battery Streets. I had admired the almost translucent jade fish Denny wore round his neck. He explained that his Feng Shui Master told him he needed to wear it to achieve success in his profession. Feng Shui is taken very seriously in Hong Kong and so is jade. I was astonished that this tiny creature should have cost Denny \$HK600.

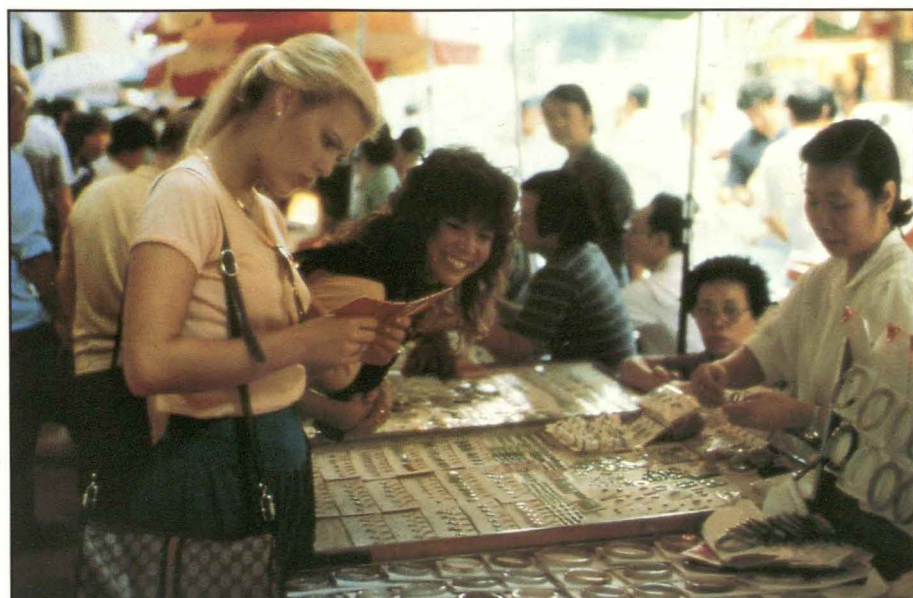
This is quite reasonable for good jade, he said. *The best comes from Burma or western China and must be pure jade with no defects or cracks. It can be white, purple, lilac or dark green.*

Even after a crash course in jade at the market, I would be very wary of trusting my own judgement. I admired what seemed to me an exquisite necklace of green jade. After some lighthearted haggling with the stall holder, we reached \$HK100 but something made me change my mind and we went on. *Just as well,* Denny said, *that was very poor quality jade. This is better,* he pointed to what looked to me an identical necklace.

How much?

\$HK4,000.

Denny and I part company as the bright afternoon light began to dim — he for his home on Causeway Bay and me to take the free tourist bus from City Hall beside the Star Ferry on Hong Kong Island to



the Peak Tram terminus. I wanted to see Hong Kong by night from the best vantage point on the island — the top of the new seven storey high Peak Tower at the top of Victoria Peak.

I gazed at the view of the harbour (photo on right) stretched out far below surrounded by a myriad of multi-coloured lights and thought of David Burger's comment: *It's a crazy place to live but it's terribly diverse and it's fun.*

Part of the fun is the frenetic excitement of a city that works twenty-four hours a day. Part of the diversity is the power that comes from starting the day marshalling your inner forces. ☺



Left: The bright lights of Nathan Road's famous 'Golden Mile' Below: Shop in Western Market



Some photographs supplied by the Hong Kong Tourist Association Sydney

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Red Door
Elizabeth Arden
Eau de toilette spray
50ml
K38.00

Dune
Christian Dior
Eau de toilette spray
50ml
K52.00



Opium
Yves Saint Laurent
Eau de toilette
Natural Spray 50ml
K58.00

Anais Anais
Cacharel - Paris
Natural Spray 50ml
Eau de toilette with
a hint of floral fields
K37.00



**Scental Premiere
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Presentation box of
six leading perfumes
K36.00



Men's Fragrances



Paco Rabanne
After Shave
K38.00

Kouros
Eau de toilette 50ml
K35.00



Drakkar Noir
Guy Laroche
Eau de toilette
50 ml spray
K30.00

Gifts & Souvenirs



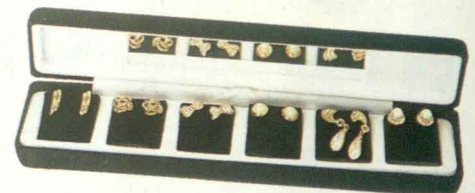
Opal Pendant
A colourful piece of
Australian opal on a
fine 22ct gold chain
K58.00



**Parker Ballpoint
Pen**
with Air Niugini logo
K8.00



Pen & Keyring Set
A souvenir of
Papua New Guinea
K10.00



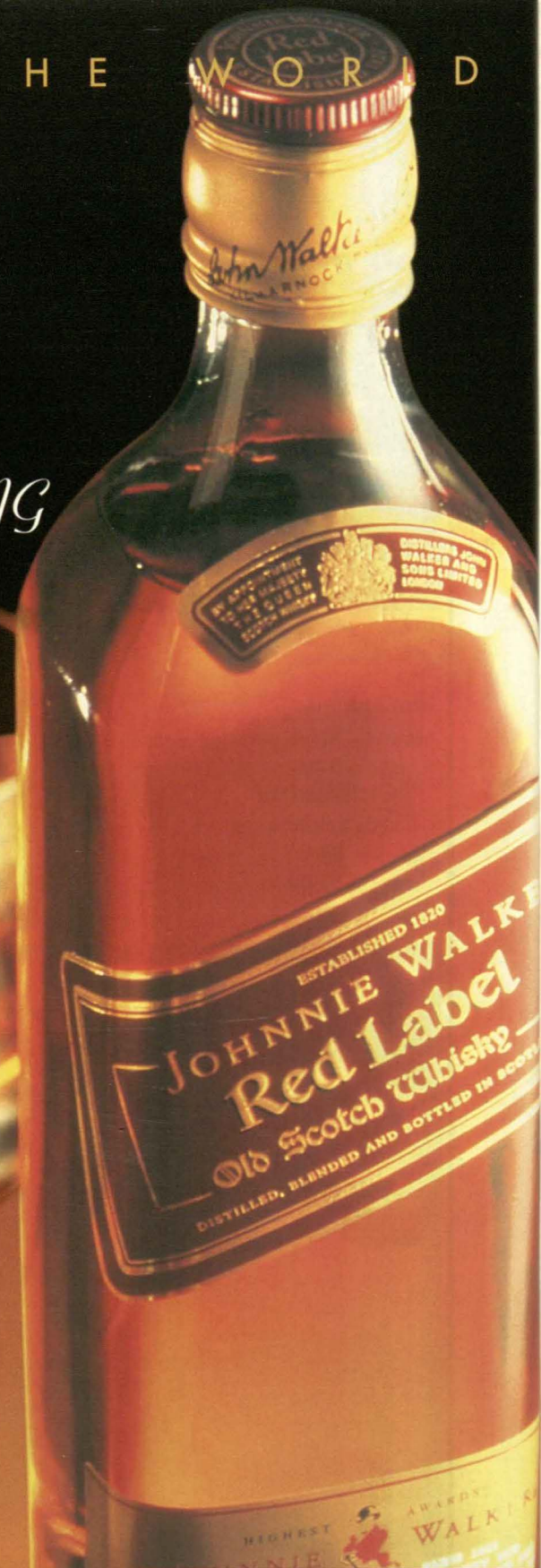
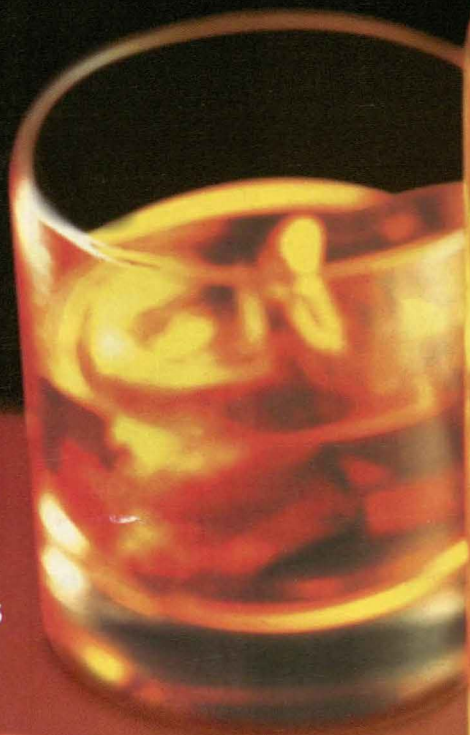
Pierre Cardin Earring Caddy
Six pairs of stylish earrings
for any occasion
K40.00

* Limited stock available on some flights

T H E S P I R I T O F T H E W O R L D



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Gifts, Souvenirs & Books



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Silver Plated Teaspoons

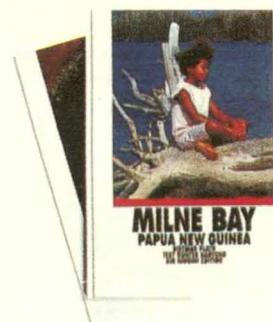
Set of three teaspoons
A must for collectors!
K10.00



Air Niugini A310 Airbus
Easy to assemble kit with mounting stand
K12.00



Discover Paradise
Specially selected highlights from the award-winning Paradise magazine
K15.00



Books
Papua New Guinea souvenir books
K10.00 each

Cigarettes, Cigars & Port



Cigars
Tabacalera 5-pack Cigars
Top quality hand rolled cigars made for Air Niugini.
K10.00 per carton

Dunhill
Filter Deluxe — Quality size filter created by blending exceptional quality tobacco.
K12.00 per carton



Benson & Hedges
When only the best will do
Special Filter, Extra Mild & Ultra Mild — 20 & 25
K12.00 per carton



Winfield 25s
Popular red, mild blue & green
K12.00 per carton



Port
Penfolds 750mls
10-year old Port
A blended tawny port with the characteristics of ageing for 10 years
K15.00

Spirits

Whisky
Chivas Regal 1 litre
Matured in oak for 12 years by Chivas Brothers, Scotland
K37.00



Whisky
Johnny Walker Red 1 litre
The name behind the man behind the bar
K20.00



Cognac
Martell VSOP 700ml
The choice of Louis XIV
K57.00



Gin
Gilbey's London Dry
1.125 litre
Made to the same secret family recipe for over 130 years
K12.00



Vodka
Finlandia 1 litre
The world's finest Vodka
The national drink of Finland
K15.00



Rum
Bundaberg 1.125 litre
The great Australian Overproof Rum
K20.00

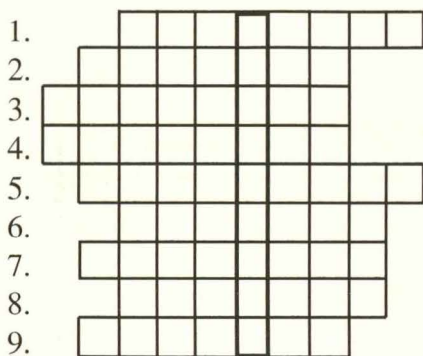


Puzzles

COUNTRIES

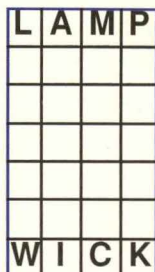
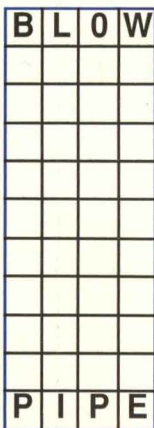
Solve these 9 anagrams to produce 9 countries. What is the one in the middle?

1. A THIN LAD
2. NAB LEON
3. BAD BOARS
4. MOON RACE
5. A GREAT INN
6. RAIL AGE
7. I SANK PAT
8. IN A SUIT
9. MY RANGE



WORD CHAINS

Changing only one letter at a time, change the first word to the second.



MAKE WORDS

Make words of 4 letters or more from the letters in the grid. Each letter can only be used once in each word and every word must contain T.

D A B
E T L

B A E Answers are on page 48.

FEATURE FILMS

International flights:

from Port Moresby

to Port Moresby

JULY

Wag The Dog



Genre: Comedy
Rated: R
From: Warner
105 minutes

Less than 2 weeks before election day, a scandal erupts that threatens to cripple the President's bid for a second term. Before the incident can cause irreparable damage, a mysterious fixer is called to the White House. Conrad Brean has the uncanny ability to manipulate politics, the press and the American people. Brean deflects attention from the President by creating a bigger and better story — a war. With the help of a Hollywood producer, Brean assembles an unlikely crisis team who orchestrate a global conflict unlike any ever seen on CNN.

Featuring: Dustin Hoffman, Anne Heche, Robert De Niro, Denis Leary, Willie Nelson
Director: Barry Levinson

Hard Rain



Genre: Action/Thriller
Rated: R
From: E-Source
98 minutes

The small town of Huntingburg is forced to evacuate when torrential rains bring rising flood waters. The local sheriff and town residents are familiar with the looting and petty thefts that take place in an abandoned town. What they are not aware of is the planned heist of an armored car sent to transport \$3 million from a local bank. The tension begins as the armored car breaks down and the drivers, Tom and his Uncle Charlie find themselves stranded. Their radio transmission for help is intercepted, and they are surrounded by a suspicious crew led by Jim. Without warning the crew opens fire.

Featuring: Morgan Freeman, Ed Asner, Christian Slater, Randy Quaid
Director: Mikael Salomon

AUGUST

Incognito



Genre: Crime/Thriller
Rated: R
From: Warner
109 minutes

Harry Donovan is a great artist. But not one of the owners of Harry's canvases knows his name. He doesn't sign his work because he is an art forger. But not for much longer. He has decided to pursue a legitimate career in art. But the lure of a \$500,000 payday convinces him to take one last job. Harry will re-create a portrait in the style of one of the greatest masters, Rembrandt. It is the most accomplished work of his career, fooling some of the world's leading art experts. Then the deal goes sour. Harry becomes wanted for the theft of a 'rediscovered' Rembrandt — his painting — and for murder.

Featuring: Jason Patric, Irene Jacob, Ian Richardson, Rod Steiger
Director: John Badham



Genre: Action/Adventure
Rated: PG-13
From: MGM
131 minutes

Academy Award-nominated screenwriter Randall Wallace (Braveheart) makes his directorial debut with *The Man In The Iron Mask*, a spirited adventure based on the daring escapades of the Three Musketeers as conceived in the classic novel by Alexandre Dumas. Leonardo DiCaprio takes on the dual role of the tyrannical French King Louis XIV and the enigmatic title character. With France on the verge of destruction, Aramis, Athos and Porthos, the now seasoned Three Musketeers must reunite and embark on their most dangerous mission ever involving a mysterious French prisoner.

Featuring: Leonardo DiCaprio, Jeremy Irons, John Malkovich, Gerard Depardieu, Gabriel Byrne
Director: Richard Wallace

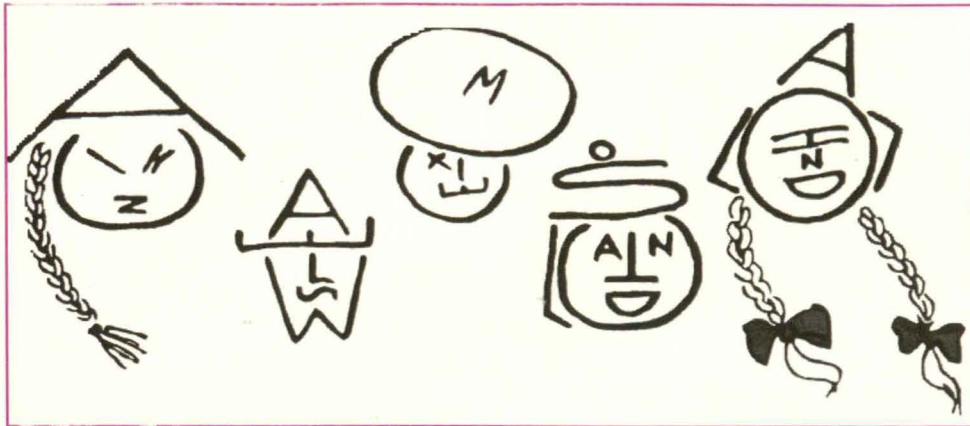
 Air Niugini

Channels 1 and 2

Puzzles

JUMBLLED WORDS

The children in these pictures come from different places. Unjumble the letters making up their features and hats to find out the names of the places.



SHOPPING LIST

Your list is jumbled. Sort it out, so you know what to buy.

PSPENRAW
DARBE
KIML
GUESSAAS
ENBSA
OSTOEPTA
RCOTRAS
PGEASR

EATING

There are 15 names of meals or parts of meals. The last six in the list have their letters mixed up. Each has the right beginning, but the wrong ending, so you must correct them before you can find them in the wordsearch.

FRIES
MILK SHAKE
SAUSAGE ROLL
SOUP
TART
BURGER
SALAD
PIZZA
GARLIC BREAD

D	L	E	A	Z	Z	I	P	T	R	B	O
D	A	L	B	A	P	U	O	S	S	F	M
M	A	D	O	L	P	A	I	A	L	M	E
A	E	E	R	R	S	A	N	P	I	O	L
E	H	F	R	T	E	D	N	L	T	L	E
R	C	S	S	B	W	G	K	C	R	Z	T
C	I	E	S	I	C	S	A	S	A	E	T
E	U	S	C	S	H	I	A	S	T	K	E
C	Q	H	E	A	S	L	L	C	U	K	E
I	E	I	K	I	A	D	C	R	P	A	K
S	R	E	L	D	U	I	Z	Z	A	I	S
F	R	E	G	R	U	B	T	E	R	G	A

ICE LETTE
OME CHE
PAN AST
QUI CREAM
SAND CAKE
TO WICHES

FOR DIRTY CLOTHES

Find these words in the grid below:
DETERGENT; DRYER; PEGS;
RINSE; SCRUB; SOAK,
SOFTENER; SPIN, WASHER,
WATER

X	I	D	M	U	F	J	S	D	R	X
N	E	I	N	L	K	L	E	B	E	D
Z	D	P	R	S	E	T	S	U	H	W
R	Z	M	O	R	E	L	P	R	S	E
P	E	A	Q	R	I	B	I	C	A	S
U	K	Y	G	B	S	N	N	S	W	V
F	J	E	R	R	N	G	S	B	E	Z
Q	N	D	E	D	Z	W	E	E	K	L
T	X	T	G	W	P	N	H	P	B	S
J	A	R	E	N	E	T	F	O	S	U
W	I	A	B	W	U	N	S	N	Y	C

Answers are on page 48.



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A Visit to Kavieng

Story and photographs
by Catherine Clarke



Have you been to New Ireland Province — a 350km long, narrow, mountainous island with tremendous beauty and natural charm? The provincial centre, Kavieng is a relaxed, friendly town to the north of the island, with a population of around 5,000. It has been described as a 'typical Somerset Maugham south sea island port'. Recently a group of us from the 'big smoke', Port Moresby, escaped to Kavieng for a short break.

Our host, the manager of the Kavieng Hotel, collected us at the airport and ensured that we were well looked after, both with advice on what to do and as much fresh local seafood as we could possibly wish for. The hotel's famous Friday night seafood buffet is not to be missed, with its seemingly endless supply of lobsters, oysters and mud crabs.

Overlooking the local golf course, the Kavieng Hotel is full of atmosphere. It offers simple, clean accommodation and a bar filled with historic memorabilia ranging from local crafts and artifacts to relics of the Second World War, as well as the recent, more modern addition of a Wurlitzer jukebox, to ensure guests have the opportunity to enjoy a party should they so desire!

The surrounding waters of Kavieng are noted for superb diving, fishing and tiny idyllic islands. It was to Lissenung Island (literally 'Place of Rest') that we headed on our first day, a 20 minute boat ride

from Kavieng's large and picturesque harbour. With crystal clear blue sea, pure white sandy beaches and gently waving coconut palms, Lissenung is the epitome of anybody's dream of a tropical island paradise. Indeed, it is commonly known as Paradise Island (*photo at top*), and one can easily see why.

We strolled around the island, discovering magnificent views at every turn. Two huts built on stilts are available for guests (*photo above*), as well as a dive hut, large Haus Win (meeting and dining house) and private accommodation for Austrian couple Dietmar and Edith, who own the dive business and run the island with the help of a caretaker. The neat paths are lined with tiny coconut trees growing from husks long since dropped from the trees.

As we walked, a large one of these dropped heavily to the ground. Edith kindly cut it open for us so that we could enjoy the sweet white flesh.

In the ocean, amazing coral lies close to the surface — a delight for the keen snorkeller. Its beautiful colours and those of the huge variety of fish life are displayed to their full brilliance, some of the loveliest we had ever seen. Being a protected area, the fish are quite tame. A vast array of clown fish, green-finned parrot fish, bi-coloured angel fish and raccoon butterfly fish investigated us curiously as we swam and allowed us to stroke them briefly as they passed.

Kavieng's mainland scenery along the 270km long Buluminski Highway (named after the formidable German administrator who developed the first

copra plantations here) is both picturesque and interesting. There is lush green bush; coconut, banana and oil palms; a magnificent coastline (*photo below*); fresh streams where women are washing clothes; young boys spear fishing in the ocean; and mission settlements beside the sea consisting of houses built from bamboo and palm fronds, the villages dominated by small churches and schools.

In World War II, Kavieng was a major Japanese base until the final surrender. Enormous damage was inflicted at that time on the town, plantations and highway. The highway was used by the Japanese to move supplies down the coast and across to their main base at Rabaul. Extensive redevelopment has now restored the copra plantations. Rubber, coffee and timber industries have also developed. Eighty kilometres along the highway is Poliamba Oil Palm Plantation, 4,500 hectares of oil palms.



We had a tour of the mill which was set up in 1988 and employs approximately 1,000 workers.

A further 20km along the road led us to Fissoa where St Joseph's Training Centre, a large mission station, is well known for its sensational fresh water hole, complete with slide, rope swing and diving board (*photo above*).

Here we enjoyed a long, refreshing lunch break, much to the amusement of the shy local children.

On our final day we returned to Lissenung Island, unable to resist the sheer beauty and tranquillity of the pristine waters, peaceful shore and spectacular unspoiled charms of the fringing reef. As we prepared to leave, eight local people paddled serenely by in their canoe, waving cheerfully before continuing slowly into the yellow sunset. It was like stepping back in time — the poignancy of the moment was one I will never forget.

When we flew back to Port Moresby the following day, there wasn't one of us who had not been moved and rested by this beautiful corner of Papua New Guinea.

*Air Niugini flies to Kavieng daily.
Contact the Kavieng Hotel on
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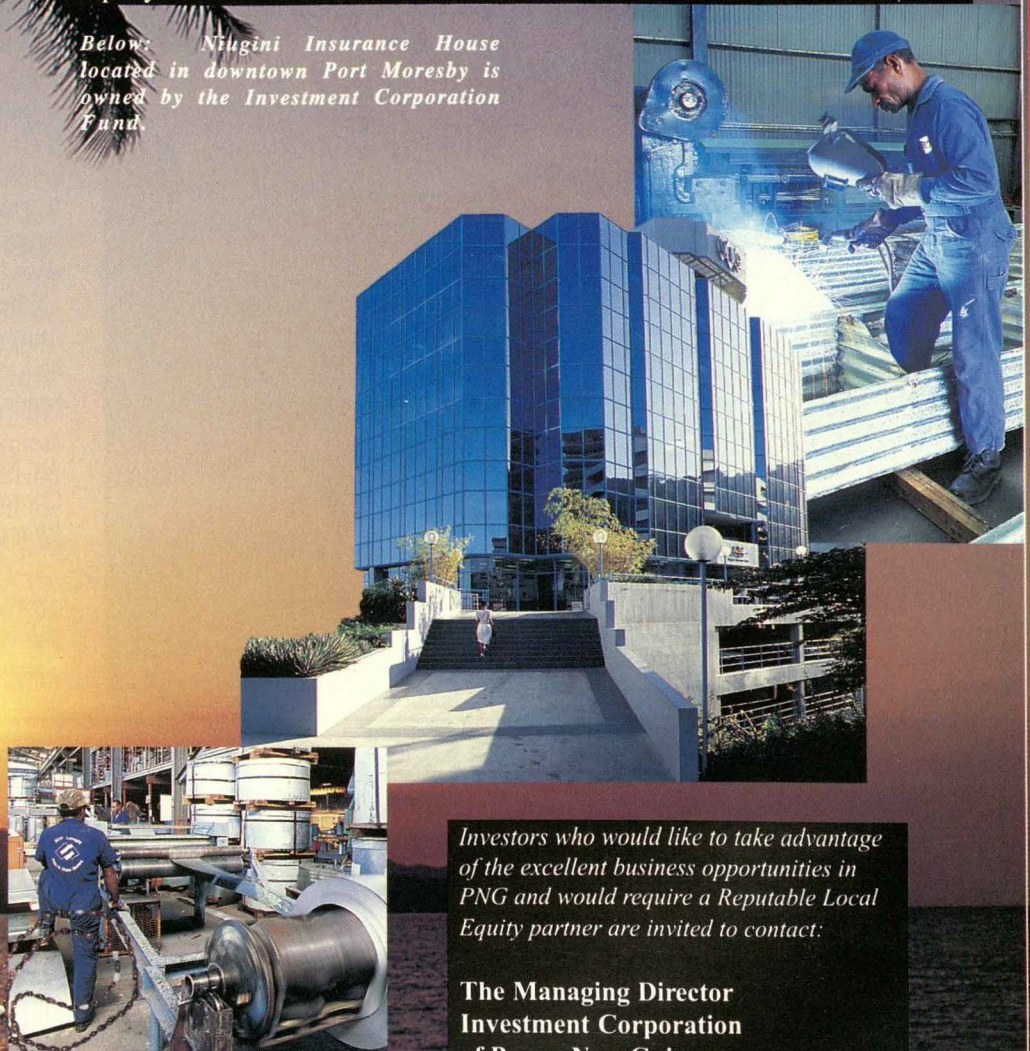
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The Investment Corporation was established in 1971 by an Act of Parliament to provide for local equity participation in investment projects where sufficient local equity was not readily available.

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LOCAL GOURMET FOOD - Chocolate

by Roslyn Morauta



Cocoa, or cacao, grows prolifically in the New Guinea Islands and Madang Coast. The tree is a native of tropical America.

The dried, roasted and polished almonds of the cacao bean are crushed. The resulting thick liquor is, if of good quality, about 50 per cent cocoa fat. When the liquor is partially defatted it is cooled and solidifies into a hard block —chocolate.

The beans were first brought to Europe by the Spaniards who discovered it in Mexico in 1519. Drinking cocoa became fashionable in France in the 17th century. The French concept of a club-like cocoa house spread to London where the clubs became a haunt for intellectuals, political aspirants and gamblers.

The French, Dutch and Swiss began to mix cocoa butter with chocolate to form decorative bars. Henri Nestlé is credited with the development of a milk chocolate made with condensed milk and the rest, as they say, is history!

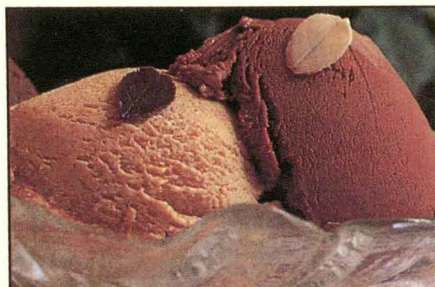
Those of us who wish to justify chocolate habits can quote Brillat-Savarin, the noted French magistrate, politician and gastronome, who wrote in the early 1800s: *Chocolate is one of the most effective restoratives. All those who have to work when they might be sleeping, men of wit who feel temporarily deprived of their intellectual powers, those who find the weather oppressive, time dragging, the atmosphere depressing; those who are tormented by some pre-occupation which deprives them of the liberty of thought; let all such men imbibe a half-litre of chocolate.*

Dark Chocolate Ice-Cream

200g dark chocolate, chopped
1½ cups cream, chilled
1 cup milk
4 egg yolks
½ cup castor sugar

Combine chocolate and ½ cup cream in a saucepan and stir over low heat until smooth and well combined. Set aside. Bring milk just to the boil over medium heat. Whisk egg yolks and sugar until thick and pale and gradually whisk in hot milk. Transfer to a clean saucepan and cook over low heat, stirring constantly, until mixture thickens enough to coat the back of a spoon.

Remove from heat and stir in chocolate mixture. Pour into a bowl sitting in iced water and cool to room temperature. Cover and refrigerate until well chilled. Beat remaining cream until soft peaks form and fold through the chocolate mixture. Pour into a freezerproof container, cover and freeze until set. Transfer from freezer to refrigerator 15 minutes before serving.



White Chocolate Ice-Cream

Use white chocolate instead of dark, adding a dash of cinnamon and tablespoon of rum to the chocolate mixture before folding through the whipped cream.

Chocolate Fudge Cake

320g dark chocolate, broken in pieces
160g castor sugar
160g unsalted butter
5 eggs, separated
40g plain flour, sifted

Melt the chocolate, sugar and butter in a double boiler. Remove from heat, stir to blend, then whisk in the egg yolks one by one.

Whip the eggwhites until they hold firm peaks. Fold the flour and half the eggwhites into the chocolate mixture, then the remaining whites.

Pour the mixture into a greased 23cm round springform tin and bake at 180C for 45 minutes. Allow cake to cool completely in the tin.



To serve, carefully remove the cake from the tin and cover with icing sugar. Serve with whipped cream and fresh berries if available.

Walnut Date Brownies

100g dark chocolate
100g butter
1 teaspoon vanilla essence
3 eggs
1 cup castor sugar
1 cup self-raising flour
125g shelled walnuts
¾ cup chopped dates

Break chocolate into pieces and melt with butter in bowl over pan of simmering water. Set aside and cool. Mix in remaining ingredients.

Pour into greased and lined 20cm square pan. Bake at 180C for 30 minutes. Cover pan with aluminium foil, bake further 20-25 minutes or until skewer inserted comes out clean. Remove from oven, cool before turning out onto wire rack.

Decorate with butter icing and extra walnuts or sprinkle with icing sugar.



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: 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.

Departure tax: K30 departure tax is payable at the airport or tax stamps can be purchased from post offices.

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.

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

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.

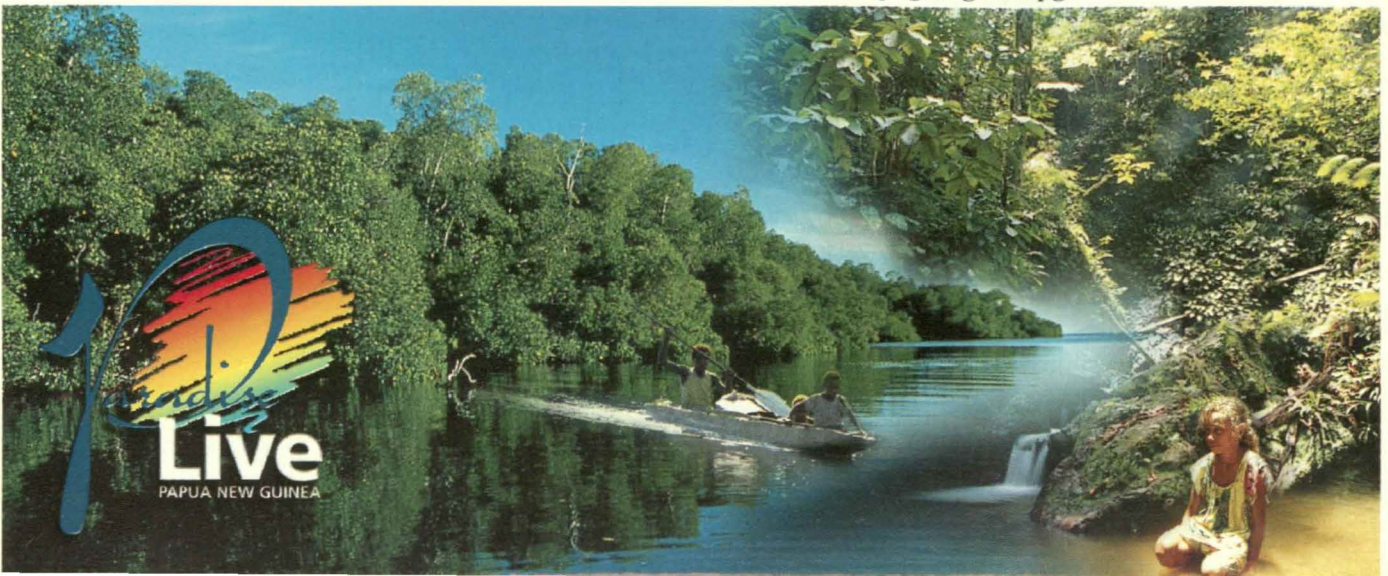
Tips: Tips are neither expected nor encouraged.

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.



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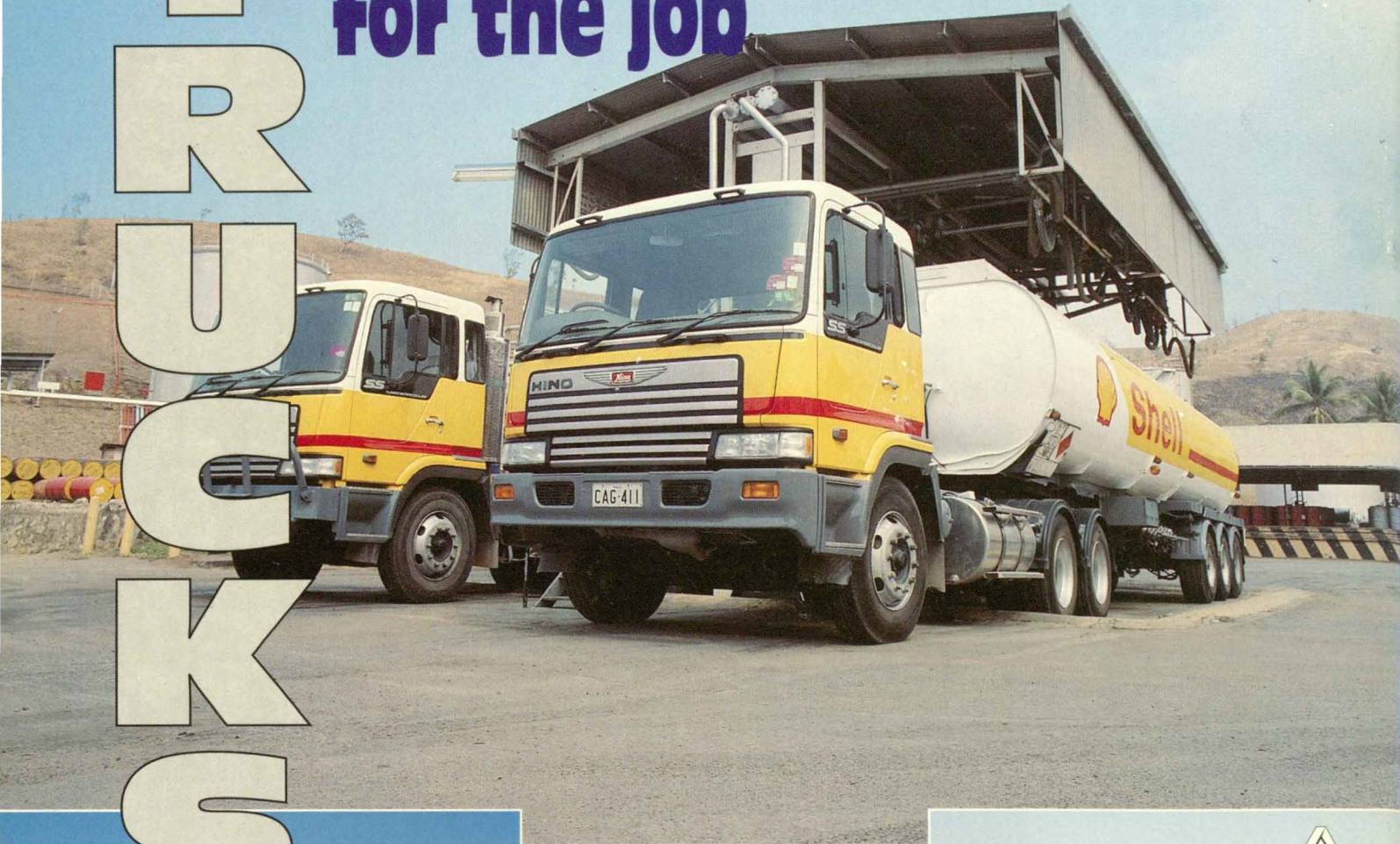


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