





Top photo, Spike Milligan (far left), Aussie Rules League secretary, presents Clerks' captain, Raphael Gorea, with the shield as the rest of the team looks on. Middle, Mining clap as Clerks run onto the field at the start of the game. Above, Brothers "A" Grade Rugby League team who were defeated by Kumul.

SPORTS NEWS

Clerks recently defeated the 1972 Premiers, Mining, in a closely-fought Australian rules premiership match which had spectators on both sides cheering. Although Mining appeared to be the strong team on the ground, Clerks won because they made more of their fewer scoring opportunities. The win was a tribute to Coach Fabian Kaona who had to leave for Australia after the semi finals but full credit should also go to Captain Raphael Gorea who inspired his team with a strong game around the ground.

The game started in a tentative fashion, as is often the case with Grand Finals. Clerks made many mistakes which were penalized by the umpire, and this helped Mining to put 8 points on the board before Clerks could score. Neither side could really get their system going, and Mining, which should have been superior in the air, pulled down few marks because generally three or four of their players spoiled each other. At the end of a low-scoring quarter, Clerks led 10 points to 9.

After the change-over, Clerks really began to take charge of the game. The play was in their half for most of the quarter, and had they been more accurate in kicking for goal, would have had an almost unbeatable lead at half-time. They kicked 5 - 7 for the quarter, to Mining's 2 - 1 to lead by 25 points.

The third quarter was Mining's. They came back strongly from the first bounce, and gradually began to find the goals. Still, they were doing it the hard way, as a number of earlier shots were going out of bounds on the full, giving Clerks the opportunities to kick in. Clerks were also inaccurate on the forward line, but were managing to score behinds. In the end, Mining clearly won this quarter by kicking 4 - 4 to 1 - 6 and were trailing by only 9 points.

A confident Mining again started strongly in the last quarter. Strong ruck work, and powerful dashes by the Mining forwards found the Clerks in real trouble, and they saw their lead whittled down to 4 points. Mining should have had the lead by half-way through the quarter, but shots for goal were still going out of bounds. A welcome goal to Clerks appeared to give them heart, just as it appeared that Mining would win going away. Clerks began to get some of their determination back and were winning the ball more often. With a second goal on the board, the Clerks' game changed completely and they were back to their old form. For the last five minutes, they continued to attack the ball well, and outscored Mining 3 - 1 to 1 - 7 for the quarter.

Final scores: Clerks 10 - 18: 78 defeated
Mining 8 - 15: 63

At the conclusion of the match, Acting League President, Geoff Pope commended the players of both teams for their efforts during the season, and for the great way in which the Grand Final was played. League Secretary, Spike Milligan, presented the trophy to Clerk's captain, Raphael Gorea, and said that he was pleased that a new Club name would be added to the shield.

The other 1973 finalists were Concentrator, which, although ending the season on top of the ladder, lost both of their finals games to finish third, and Coast, stricken with injuries, which finished fourth.

WATER POLO is played at the Panguna pool every Monday and Thursday from 4.30 p.m. to 6 p.m. At the moment we have about 20 expats and Papua New Guineans streaking through the azure waters of the pool in search of that elusive ball. But new players are needed all the time for the forming of new teams.

We are in the process of forming, I believe, the first water polo teams in the country. The company has

graciously provided pool, balls and even caps; all you need do is turn up and give the game a try.

Entry fee is nothing and after exhausting yourself playing water polo with us you will feel better all round and have easier respiration and improved muscle tone.

Each team consists of seven players trying to score goals against the opposition. The ball is passed from player to player while swimming and believe me it is hardwork.

At the last international water polo meeting the six top teams were Yugoslavia, Hungary, U.S.A., U.S.S.R., Italy and Cuba. Perhaps in the years to come Papua New Guinea will be up there with the leaders.

- John Sertic -

For the second time in a row, Kumul won the 1973 Rugby League grand final, when they defeated Brothers 12-8, at Toniva Sports ground.

Brothers played in excellent form from the start while Kumul took a little time to settle down. Brothers hooker, John Wagambe, played his part very well, having the ball in possession most of the time. After 10 minutes Brothers were given a penalty kick which Sam Mona kicked in.

Kumul Captain, Esau Lagan showed his skill once again when he dashed off to score the only try in the first half.

Score at half was 7 - 2 in favour of Kumul. In the second half Brothers reduced the lead to 5 - 7 when Nathan Tanu scored wide out.

Then with minutes to play Kumul added a try, taking the score up to 10-5. Brothers came back with a try when their star John Wagamba broke through Kumul defence. Kumul in the last minute of play were awarded a penalty goal and John Luvutal made no mistake to the kick. The score at full time was Kumul 12 - 8. Best players for Kumul were Leslie Kidoro, Esau Lagan, Damius Dixoa, Oscar Melepiea and Simon Wema.

For Brothers, John Wagambe was the outstanding player with assistance from Steve Dambung, Cedric Bungtabu, Nathan Tanu and Sam Mora. The game before a big crowd was well controlled by the referee Bob Gray.

In the "B" grade final, Marshall Lagoon came back from behind to defeat Kumul 12 - 9. The first half of the game was all in Kumul's favour and with very little chance to Lagoon.

Marshall Lagoon, down 6 - 2 at half time, played some brilliant rugby in the second half. They scored twice with no mistakes with the conversions, defeating Kumul 12 - 9 at full time.

The best player of this grade was Lama Vagi of Marshall Lagoon and for Kumul, Charles Urama.

A social game of mens basketball was held between Everymans of Port Moresby and Panguna, on September 22 in the gymnasium hall.

From the start, both teams looked good but an excellent long shot from the visitor's captain placed his team in a two points lead. Panguna in return paid back with a lovely lay-up from David. Everymans came back scoring three quick baskets. They held the lead till half time - Everymans 13 to Panguna 12.

In the second half Everymans showed their speed in passing and dribbling. The visitors were eventually too good, having an 11 points lead at full time. The score was Everymans 43, Panguna 32.

The top scorers for Panguna were G. Emika and S. Nathan with eight points each and for Everymans, Livingstone with 20 and Wilson with 10 points.

After the Bougainville Cricket Association meeting on September 25, it appears that eight teams will be competing in the 1973-74 season starting at the end of October. The teams taking part are: Kieta, Lavara, Marshall Lagoon, Kookaburra, Loloho, Arawa, Eastern Swingers and Hula Colts.

Those who require more information on cricket, contact Laurie Chalk on 4-138, Graham Hurrell on 5-152 or Ken Rabura on 5-272.

- Ken Rabura -

Our first night of boxing for many months in Panguna took place in our new gym on September 21. A fairly good crowd turned up and if there were another five buses from Loloho we would have filled them too. It was great to see the number of fighters who turned up from Loloho plus of course the old stalwarts Ron Lowe, Phil Teakle and Vic Caruana.

Some excellent fights were staged and, from the form shown, the team for Rabaul isn't going to be too easy to pick.

The date of our trip to Rabaul has been set as October 20. Phil Teakle and Vic Caruana will look after the team.

Back to the bouts, I reckon Phil Sapaks effort was the worst he has ever turned in. He was disqualified for hitting his apponent while down, but apart from that Francis Dutai whom he was fighting was ahead on points and fighting extremely well. But Phil still has the championship class. Don't forget the Commonwealth Games are in February. I wish the BABA all the best for the future.

- Ron Herrick -

After seven matches in the three town TENNIS competition Arawa White are still undefeated with 26 points. Over the October 6 weekend Arawa White easily defeated Kieta Red although Wayne Cowie for Kieta won all his sets. Panguna Blue struggled to an away win over Arawa Yellow by a single game. Panguna Green easily defeated Kieta Black. Table is as follows:

Arawa White	26
Panguna Green	22
Panguna Blue	20
Kieta Red	12
Arawa Yellow	8
Kieta Black	0

Left, Kumul "B" grade team who were defeated by Marshall Lagoon in the "B" grade grand final.



The annual general meeting of the Panguna Squash Club was held at the Karoona Tavern on October 8. Newly elected office bearers are as follows: Patron : D.C. Vernon; President : G. Barnes; Vice President : G. Hurrell; Secretary : N. Stewart; Treasurer : M. Aigal; Social Committee Chairman : R. Buckendahl; Match Committee Chairman : A. Davey; Building Committee Chairman : G. McKenzie.

Members are advised that subs are now due and can be paid to Mike Aigal in B63 or Neal Stewart in B37.

With three courts now available to squash players the coming season looks like being a bumper one. Courts are currently being fully utilized with more and more people playing. By the time this issue of "Concentrates" is to hand a new competition will have begun. Members wishing to join this competition are most welcome to do so and are asked to direct any queries to a committee member.

Club members are advised that block bookings are made for the exclusive use of members on the following times. These times are set aside for competition games, match practice and coaching sessions:

Tuesday - 4.30 p.m. to 6.00 p.m.
7.30 p.m. to 10.00 p.m.

Wednesday-7.30 p.m. to 10.00 p.m.

Thursday -4.30 p.m. to 6.00 p.m.
7.30 p.m. to 10.00 p.m.

Saturday and Sunday - 9.00 a.m. to 12.00 noon.

Several of the dule's A-grade players have indicated a willingness to conduct coaching classes on Saturday or Sunday mornings and anyone interested in participating in a coaching class are asked to contact Geff Barnes on ext. 372 or J. Hurrell on ext. 152.

FILMS

PANGUNA

Sat. & Mon. Oct. 20 & 22	Lawman	Starring No press sheet
Sund. & Tues. Oct. 21 & 23	Souder	Cicely Tyson Paul Winfield
Thurs. & Fri. Oct. 25 & 26	House Bamboo	No press sheet
Sat. & Mon. Oct. 27 & 29	To Kill a Clown	No press sheet
Sund. & Tues. Oct. 28 & 30	McKenzie Break	No press sheet
Thurs. & Fri. Nov. 1 & 2	Seven Year Itch	Marilyn Monroe Tom Ewell

ARAWA

Sunday Oct. 21st	Gospel Road	Johnny Cash
Wednesday Oct. 24th	Woman Times Seven	Shirley Maclaine
Friday Oct. 26th	Red Sky In The Morning	No press sheet
Sunday Oct. 28th	Lawman	No press sheet

The above programmes are subject to change as they depend on films arriving on site as scheduled. It is also regretted that press sheet have not been received for some of our forthcoming attractions.

Correction - Dr. P. Weber's telephone is 951112, not 95112 as advertised in the last "Concentrates" (Vol.3 No. 20).

EMPLOYMENT NEWS

Beginning on October 15 a team of employment officers will be conducting interviews and selection throughout Papua New Guinea. The proposed areas we visit are Goroka, Mt. Hagen, Lae, Rabaul and Port Moresby. Large numbers of applicants will be seen in each centre with a total of some 500 being interviewed overall.

Personnel currently employed by B.C.L. who wish to transfer to another section or department are reminded that it is courtesy and most important you inform your supervisor first of your intentions. The procedure for seeking a transfer is laid out in "Concentrates" volume 3 number 20.

CURRENT WAGE VACANCIES

Clerical positions, laboratory assistants, concentrator operators, security guard, assay sampler, R105 operator, plumber, laboratory technician and boilermaker welder.

CURRENT STAFF VACANCIES

Assistant accommodation officer, recreation officer, workers compensation officer, safety assistant, civil detail draughtsman, supply officer supervisor, camps inspector, medical assistant, surveyor.

SENIOR STAFF VACANCIES

Supply officer, stevedoring supervisor, senior technical assistant (Concentrator).

STORK CLUB

A son, John Heni, weighing 8lbs 4oz, was born to Gewa and Maurie Sullivan, personnel officer (localisation and training) on September 25 at Arawa Hospital. Another boy was born to Bev and Dieter Jager, mine maintenance scheduling supervisor, in Adelaide (South Australia) on September 8. His weight was 8lbs 5½oz and has been named Paul.

WIN \$10: SAFETY SLOGAN COMPETITION

To further Bougainville Copper's safety programme a competition is being held to find a slogan of under 10 words which will emphasise the company's belief in safe working practices throughout the operation.

A prize of \$10 will be given for the best slogan. It must be easily translatable into Pidgin. Entries can be put forward in either English or Pidgin.

We are looking for something along the lines of "We believe in Safety" or "Sefti em i nambawan tru", but with a local angle.

Anyone can enter the competition with as many entries as they like. Deadline is November 30th. Entries should be addressed to Safety Officer, B3, Panguna, as shown below:

SAFETY SLOGAN COMPETITION

My entry is.....

.....

.....

Name.....

Section.....

Address.....

With the introduction of Air Niugini flight schedules from October 28, it will not be practicable to meet all planes in and out of Aropa unless there is a known requirement for transport.

Transport requirements should be made known to the Travel Supervisor Mr. Z. Bewang at least 24 hours in advance of outward movements. At the same time, confirmation should be given of return flights so that transport can be arranged for the return journey.

Here is summary of flight times:

AIR NIUGINI TIMETABLE FOR BOUGAINVILLE;

EFFECTIVE 1/11/1973

<u>Flight</u>	<u>Time</u>	<u>Departures</u>
Monday		
112	0730	: To Rabaul - Pt. Moresby
109	0900	: To Pt. Moresby
101	1230	: To Buka - Rabaul - Lae - Pt. Moresby
Tuesday		
107	0900	: To Pt. Moresby
101	1300	: To Buka - Rabaul - Lae - Pt. Moresby
Wednesday		
112	0700	: To Rabaul - Lae - Pt. Moresby
109	0900	: To Pt. Moresby
101	1230	: To Buka - Rabaul - Lae - Pt. Moresby
Thursday		
107	0900	: To Pt. Moresby
101	1300	: To Buka - Rabaul - Lae - Pt. Moresby
Friday		
112	0730	: To Rabaul - Pt. Moresby
109	0900	: To Pt. Moresby
101	1230	: To Buka - Rabaul - Lae - Pt. Moresby
Saturday		
107	0900	: To Pt. Moresby
QF298	0900	: To Munda - Honiara - Pt. Moresby
101	1300	: To Buka - Rabaul - Lae - Pt. Moresby
Sunday		
107	0900	: To Pt. Moresby
101	1300	: To Buka - Rabaul - Lae - Pt. Moresby
QF299	1500	: To Rabaul

NB. Two Boeings daily to Brisbane at 1140 and 1230

<u>Flight</u>	<u>Time</u>	<u>Arrivals</u>
Monday		
109	0830	: From Rabaul - Buka
100	1205	: From Pt. Moresby - Lae - Rabaul
108	1530	: From Pt. Moresby
Tuesday		
100	1230	: From Pt. Moresby - Lae - Rabaul - Buka
108	1530	: From Pt. Moresby
Wednesday		
109	0830	: From Rabaul - Buka
100	1205	: From Pt. Moresby - Lae - Rabaul
108	1530	: From Pt. Moresby
Thursday		
100	1230	: From Pt. Moresby - Lae - Rabaul - Buka
108	1530	: From Pt. Moresby
Friday		
109	0830	: From Rabaul - Buka
100	1205	: From Pt. Moresby - Lae - Rabaul
108	1530	: From Pt. Moresby
Saturday		
QF298	0820	: From Rabaul
100	1230	: From Pt. Moresby - Lae - Rabaul - Buka
108	1530	: From Pt. Moresby
Sunday		
100	1230	: From Pt. Moresby - Lae - Rabaul - Buka
QF299	1420	: From Honiara - Munda
108	1530	: From Pt. Moresby

NB. Two Boeings daily from Brisbane at 1050 and 1140

toktok

Once a huge snake lived near our Teop/Tinputz village. It ate the rubbish that the people threw away. But then it became pregnant and gave birth to a baby girl. The little girl grew up and loved to play with the other children in the village. The mother allowed her to go to the village at night, but not during the day time.

This happened for a long time, but one night, after the children finished playing, they started asking questions about this strange girl. They wanted to know where she went after playing, where she came from and who was her mother. They couldn't find answers to these questions, so they told their parents about her.

They urged them to trap her the next night. The next night she came again to play with her friends, but they caught her and the villagers all came to see her. They refused to let her go back to her mother.

She stayed in the village and got married. She had a baby and then the husband wanted her grandmother to come and look after the little one. But the mother said that the grandmother was not the same as other people. The husband was angry.

Then the wife said, "if you want my mother to come it will be better to build a small room for her". This was done and the grandmother came without the husband actually seeing her.

When she wanted to go to the garden, the mother would give the baby to the snake and also some food for the baby to eat. The grandmother would circle around the baby up to the neck. When the parents returned, they would see the food still there. This went on for quite a long time. Then the husband began to wonder what she was doing, not feeding the baby.

One day the husband went to the garden. On the way he hid from his wife, and when she passed he made his way back to the village. There he saw the huge snake circling the child. He thought to himself, "no wonder she doesn't feed the baby, because there is a snake".

He grabbed his axe, pulled the baby away and chopped the snake's head off. Later he cut the snake into seven pieces. Meanwhile the wife arrived in the garden and couldn't find her husband, she knew straight away that he had played a trick on her. Immediately she returned to the village. Arriving she saw the room full of blood.

She started crying while she collected the pieces of her mother. She went to the sea and named the seven different Clans, then threw them apart. This is how we have seven different Clans in Teop/Tinputz.

-Margaret Eltsi
St. Mary's High School,
Asitavi.

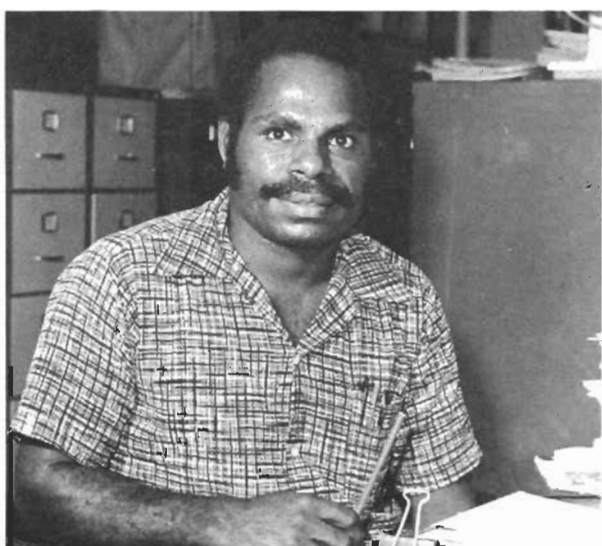
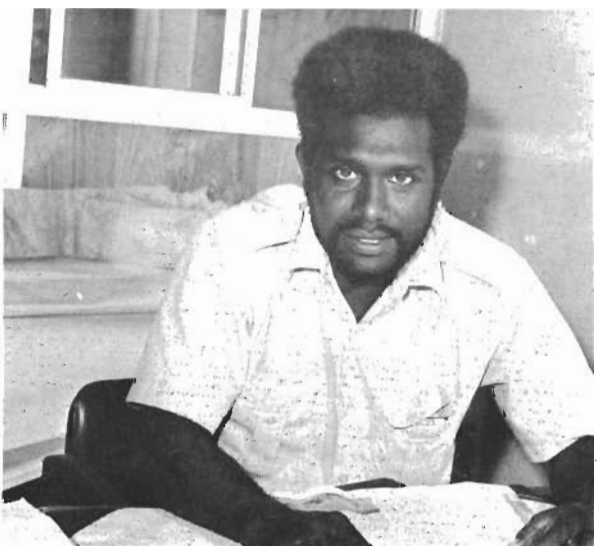
INCOME TAX RETURNS CHEQUES

Bougainville Copper mail room at "pink palace" is holding cheques for income tax returns for the following people: Epaim David, John David, Turungba Igalo, Thomas Kurur, Anthony Kamonka, J. Batann Lamu, J. Deorere Mari, Horalu Pawaia, Sere Mase, John Mulfey Ravong and Kepas Teke.

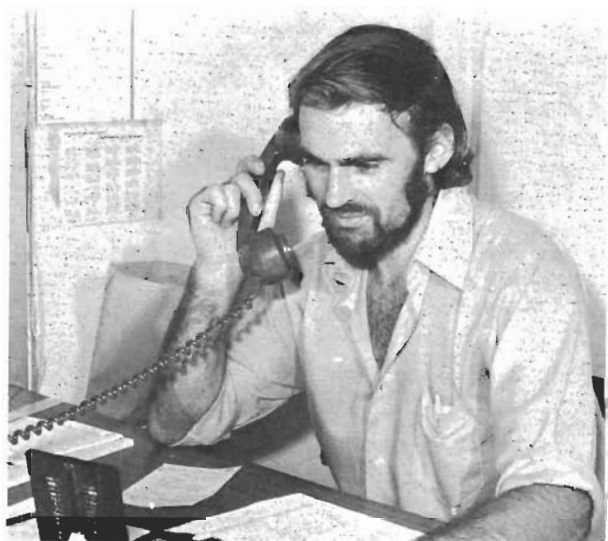
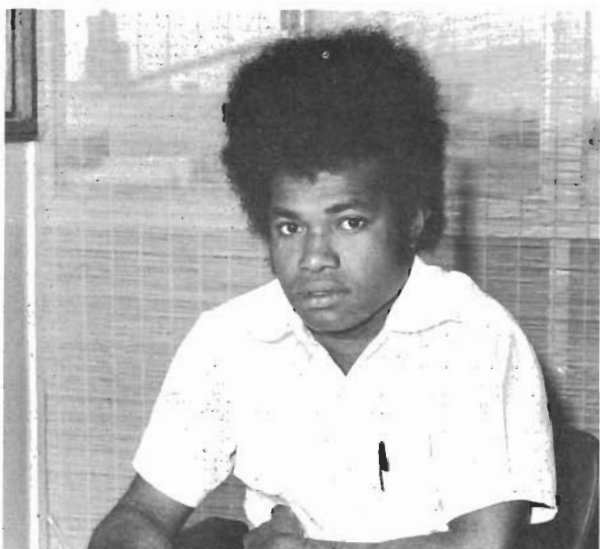
The mail room staff are unable to deliver the cheques to the above named persons owing to incorrect addresses. Those people concerned should either call in at the mail room to collect their cheques or contact Thomas Tonga on extension 5-247, stating their correct office "B" numbers so that these cheques could be delivered.

PEOPLE

From left, below, Michael Saii, architect draftsman, engineering; Stuart Farrar, agency
Middle, Eni Imurody, mechanical draftsman, engineering dept; Ron Narokas, newly appointed
concentrator. Bottom, Joseph Kuk, village relations clerk; Alex Hanumbo, clerk, engineering



er, port and Nick Gawe Mom, agency clerk also Loloho.
 rt clerk and Des Cooke, senior technical assistant,
 dept. and Edward Apian, apprentice clerk.



MAIL BOX

Sir, I would like to comment on "the friendly observation from the B.C.L. Safety Section", regarding young children on the roads around townsite.

I agree that children are frequently on the roads, and that it creates a hazard to traffic, but it would be a more constructive move if the said safety section approached B.C.L. Management for; firstly, an enforced restricted speed limit, with appropriate signs installed and, secondly, for provision of adequate footpaths and driveways, where both children and adults may safely traverse without the need to go on the roads.

Then, the suggestion made in the last Concentrates would be an acceptable one.

Mrs. F.S. Reynolds.
 42 Kupei Road,
 Townsite.

COMINGS AND GOINGS

Welcome to the following: A. Moon, despatch centre operator; J. Mayne, despatch centre operator; P. Cameron, Typiste; Mrs. M. Paddick, Typiste; C. Wissmann, senior analyst; W. Williams, truck repair foreman; Z. Attia, electrician; P. Batty, fitter/turner; B. Jarrit, typiste; H. Harnas, Fitter; J. O'Brien, truck fitter; A. Szczypka, heavy duty fitter; L. Calvert, carpenter.

Farewell to the following: V. Kolstad, senior foreman crushing; G. Sharp, ass. unit controller; T. Busin, hygiene inspector; Mrs. L. McInnes, typiste; J. Meyer, training accountant; Chris Davis, supply officer; A. Richardson, statistical accountant; V. Alexander, assistant engineer; G. Robinson, operator training instructor; J. King, blasting foreman; L. Herrick, typiste; R. Herrick, recreation officer; A. Molden, despatch centre operator; J. Eccles, publications officer; A. Angoae, cleaner; P. Gabriel, storeman; A. Oma, labourer; A. McCallum, electrician; J. Tauko, labourer; J. Vava, senior foreman; B. Tokanic, bus driver; W. Ehrnec, mechanical fitter; J. Waelang, 105 operator.

PROMOTIONS WITHIN EMPLOYEE AND ESSENTIAL SERVICES

In employee services the following changes have been made: David Titalasi has been promoted to accommodation supervisor, Ken Rabura to recreation supervisor, Dan Palipal to recreation officer and D. So-onburiou to coastal camps officer. Their promotions became effective from September 21.

Recreation, as well as accommodation, is now fully staffed by local personnel.

In essential services, Laval Velekiri, assistant security officer, was promoted to chief security officer and is fully responsible for control and direction of the security sub-section. Bill Brittain will assist him in a consultative capacity to ensure effective transition.

Francis Tanupuma was promoted from assistant safety officer to safety officer and will be responsible for all safety work in the company operations. He will report to Les Smith, essential services manager.

Both Laval and Francis assumed their duties and titles on October 1.

CONCENTRATES IS EDITED BY JOHN WAKARIA
 AND JOHN PIPPIN. TEL. 5-255
 PHOTOGRAPHERS ARE GENA ILAI AND GERARD
 KONDJOL. TEL. 5-127

bagana

If you are jaded by the petty anxieties of suburban Panguna/Arawa then I have just the place for you. Forget Rabaul and Honiara. When you come back from a trip to Bagana volcano you really appreciate the comfortable life we lead on the mining operation.

The Banoni/Eivo people pronounce it "Bangana", meaning "big one", and that's exactly what it is. It's 5,700ft high, the most active volcano in Papua New Guinea and covers an area of 40 square miles in which there are no villages, no trails, little drinkable water, stunted vegetation and very little wild life.

John Ashby (rock mechanics engineer) and I went in the easy way - by company helicopter - but we left the hard way.

Having saved ourselves at least two days hiking via Korpei, Boira and Kopani, we waved goodbye to the chopper pilot as he circled before climbing over the saddle to the west coast. We had originally intended on landing at Billy Mitchell Lake but there appeared to be no access to Bagana from there so we settled for a smaller lake not far from a ridge leading to Bagana.

Billy Mitchell (named after a famous American aviator) is $1\frac{1}{2}$ miles wide. It is the result of a violent volcanic eruption. The inside of the volcano then filled with rain water.



Our little lake, which was unnamed, was a pretty little place about half a mile wide in which wild duck swam lazily. Above us wheeled curious blue swallow-like birds and higher still was the silhouette of a sky hawk.

It was Monday September 24 at 1 p.m. We pitched our tent and decided to take a look at the ridge leading to Bagana. Although the lake was small its slopes were very sheer. We found ourselves cutting a perilous path between the muddy waters edge and a sheer scarp surrounding the lake. Tree ferns and kunai grass hindered our progress and it was three hours before we had crossed to the other side of the lake.

One small stream sprang from a fault in the scarp face. John suggested this face might be the southern end of the Billy Mitchell volcanic system. The stream, charged with iron salts, bubbled from late stage fumarolic activity beneath the ground. The air was fetid and the silt from the stream was stained a deep red.

It was clear from the scarp on the other side of the stream that we could go no further towards Bagana from this route. By this time I was in no mood for the return trip. Luckily John volunteered to carry back the cameras and I crept into the warm lake water and swam campwards.

After the initial shock of hitting the water with all my clothes and shoes on and overcoming a natural impulse to look out for crocs or eels, I found the swim most refreshing. The sun was setting behind Bagana and the only sound in the world was the slow splash-splash of my swimming.

I made it to camp in 15 minutes and immediately put on the billy and made a nice hot cup of tea. John made it to camp an hour later and just about had the strength to guzzle a couple of cups and chew some cremated sausages before crashing into the tent.

5 a.m. Tuesday September 25: Light, drizzling rain; not enough to stop us walking but enough to cloud in Bagana and the face of our lake scarp. Managed to get our fire going again and after breakfast the visibility had increased to the point where we could see our way.

We set off carrying our 30lb packs in the opposite direction to the previous day's abortive attempt. If anything, the lake walls were even more precipitous on this side. Our only chance was to scale the scarp and cut across country to the Bagana system. An hour later we were on top, having suffered mightily but at least in one piece.

That's one trouble about going in by chopper, said John. You can never be sure you'll find your way out.

Bagana lay before us. A climb of about 2,000ft would put us within shouting distance of the top. But we knew by this time that we would be hard put just getting off the volcano if the country continued to be as difficult as this.

Nevertheless as we crossed onto Bagana proper we could see the smoke of dozens of large fumaroles littering the higher eastern slopes of the volcano. Every few minutes a dull rumbling roar told us that another small avalanche had begun as boulders loosened themselves from the lava flows and crashed down the mountain.

Bagana volcano looking from the south-west by helicopter. The road-like lava flow in the foreground is a result of the 1967 eruption which covered surrounding villages in ash.

Not a healthy place to be, I thought to myself as I stumbled over loose rocks and sharp, cutting kunai grass. We began to traverse along Bagana. Our only alternative would have been to head due west along the gorge system that led to the divide but we knew that we would probably have been halted by a cliff sooner or later.

Once clear of the established growth of the older Billy Mitchell volcanics, however the going was easier on the more recent blocky lava flows on Bagana. Bracken and kunai grass had grown to various stages of development indicating the relative ages of the flows. In and around the patches of kunai were tiny clumps of native orchids. We plucked one and marvelled at its white and blue petals - such a prize specimen at peace in the wilds of a volcano.

Over the divide and we came down onto a basin in which flash river floods left a barren bed of loose ash and boulders. The ground was warm and the edge of the basin led into a steep slope which ended at the Bagana summit, about 1,000ft above our heads.

There was no water except small amounts captured in concave boulders. However on the other side of the basin we found a small spring and there we made our camp. We knew that if there was a "nuee ardente" fall we would be in serious trouble. These clouds of gaseous ash descend rapidly from the volcano, burning and choking everything in their way. But we were too tired to worry and there might not be any more water.

The night air was crisp and above us we could see the glow of lava flows near the summit. It was eerie to sit and watch this glowing and hear the rumbling of the earth's stomach. A light rain began to fall, bringing with it a slightly sickening smell of sulphur.

We didn't need our sleeping bags that night. The volcanic earth kept us warm. We talked about the "nuee ardente" from Balbi which destroyed Togarau in the 1850's and hoped history would not repeat itself that night.

5.30 a.m. Wednesday September 26: A hard day ahead. Having no fuel to cook breakfast we headed off along the Bagana slopes chewing cheese and biscuits.



Below, the 1½ mile wide Billy Mitchell Lake from the helicopter looking south-east. Above, the helicopter takes off having dropped us at the little lake. The ridge in the background leads to the heights overlooking Billy Mitchell.





Below, John Ashby stands on the boulder-strewn slopes of Bagana overlooking the western plains and the Torokina River. In the distance on the right is Puruata island and Cape Torokina. Above, our second day's camp on an ash bed on the north western slopes of Bagana. The summit is about 1700ft further up.

Crossing left of a volcanic dome which marked the source of the Torokina River we stopped to take in a spectacular view of the western plains.

Below us the slopes of Bagana emptied out on to a flat alluvial plain that still showed the scars of previous eruptions. Looking northwards along the divide we could see the yellowish summit of Balbi about 10 miles away. To the distance was an endless series of mountains that would only start to disappear in the far north of the island. Closer to us were the razor ridges of the limestone Keriaka Plateau which culminated in a 4,000ft bluff dropping down to the Laruma River and the Torokina Plain.

Our problem was to get down onto this plain. At first sight it was an easy job but the quickest route was blocked by the gorge system built up by the rapid descent of the Torokina River. If we got stuck there we would have to walk all the way back.

We decided therefore to keep traversing westwards round Bagana until we found a ridge that led directly to the plains. More hopping from loose boulder to boulder until we found a likely looking ridge. It was covered in fern but the bottom, 300ft below, looked so inviting that we fairly hurtled down.

An hour later, bruised and weary, we entered the Torokina plains. The area was still devoid of any vegetation save kunai and moss but here and there the odd tree tried to make a stand against the mountain's poison.

We cut across the plains in the direction of the Torokina River and after a couple of false starts finally made it. We now had only to follow the meandering river until it crossed the main Torokina - Tsito Road.

But it was getting late and to make matters worse it began to pour with rain. We passed a huge limestone outcrop that hung over the river in a sheer rock wall and decided to call it a day.



We had hoped to make it to Torokina this day but the going had been too rough. We camped out on a sandbank between two branches of the river and prayed for a dry night.

A dreamless sleep and then 5.30 a.m. Thursday September 27 we headed off once more. Twenty minutes later we reached Kavakakatsu Village and realised that if we had pushed a little harder the previous day we could have had a more comfortable night. The old man of the village gave us a coconut each to drink and the services of a small boy to lead us to the road. Once more we were in civilisation.

We trudged an hour along the old wartime road until brought to a sudden halt by the sound of traffic. Round the corner came Sister Mary Michael of Piva Leper Hospital and she invited us home for breakfast.

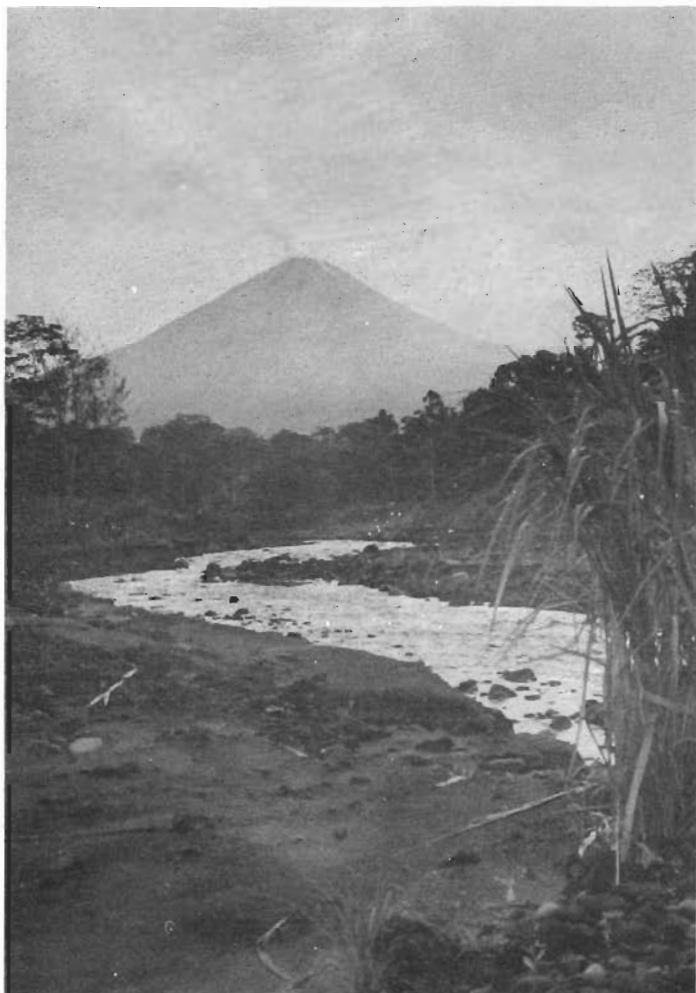
Happily we piled into the back of her hardtop and arrived at Piva within minutes. Sister Mary Kevan prepared breakfast and we feasted on tea, "muli" juice and eggs on toast.

Later that morning we heard the drone of the Bougainville Air Services Islander and our kind Sisters drove us out to the airstrip. Twenty minutes later we were at Aropa Airstrip looking like a couple of escaped convicts.

A trip to remember and the scars will remain when the memory softens.

By John Eccles

Nearly home: Looking back towards a quietly smoking Bagana from the Torokina River.



September 24 was a day which marked a significant event in the allocation of responsibilities within B.C.L.

On that day responsibility for the maintenance and care of the company boat, affectionately known as the Panguna Maru, transferred from the mining department to the engineering and technical services department.

Pictured handing over of the boat key are from left Sam Saunders, assistant pit maintenance superintendent, Captain Jack Dalby, port superintendent and Fred Cohu, port process plant maintenance supervisor.

Fred admitted to a slight sinking feeling on accepting such heavy responsibility while Sam felt a little light hearted at the change and said the task had its ups and downs.

NOTICE TO B.M.W.U. MEMBERS

The Bougainville Mining Worker's Union wishes to inform all union members of the changes which have taken place within union executive positions.

The President Mr. Fabian Kaona is now attending a three month industrial course in Mosman (ASOPA) in Sydney, under the Commonwealth Labour Training Scheme.

Mr. Simon Toma'do is also attending a five month block course at Lae Technical College.

While the above union executives are away Mr. Michael Aigal, senior vice president, is now acting president for the next three months and Mr. Linus Konukung, union treasurer is now acting secretary.

FOR SALE

National Panasonic Portable Cassette, & MW/SW1/SW2 radio. Good condition - \$90.00. Nest of three teak laminex tables, slightly marked - \$5.00. Acme white steel cot with waterproof and rubber mattress. Good condition - \$25.00. Steelcraft folding high chair, chrome and teak laminex tray. As new - \$15.00. Round Bedroom stools, white deerhide padded seats. As new - \$6.00 pair. Dressing table, 3 drawers and long mirror. As new - \$25.00. Wall cupboards suitable for book, cassettes etc. As new - \$10.00 pair. Cyclops steel rocker (age 1 - 5 years). Good condition - \$5.00. Clip on bedlamp - \$2.00. Mazda Sedan 1500. Good condition - \$800.00.

Enquire P. Davey, 19 Married Hill, Panguna, or Rebuild Section Pit Workshop Ext. 5-390.



Above picture shows four of the Panguna senior scouts who will be attending the Jamboree. They are, from left, Alu Willies, Dominic Ampaoi, Methodius Nesiko and Paul Tondopan.

SCOUTS TO GO TO THE JAMBOREE

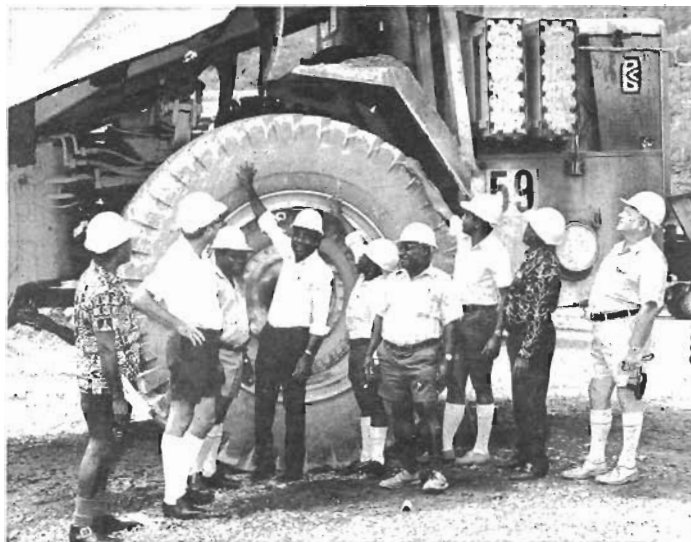
The 10th Australian Jamboree will be held in Adelaide, South Australia, from December 28, 1973, till January 6, 1974.

Twelve representatives from the Bougainville area will be attending the Jamboree. These are Misi Pennington and Tomy Lasiel from 1st Arawa Troop and their Scout Leader, Toea Lahui; Bewa Willies and Dominic Ampaoi from 1st Panguna Troop and their Scout Leader, Eric Shaw; Alu Willies, Paul Tondopan and Methodius Nesiko from 1st Panguna Senior Scout Troop; William Mungta and Wagarina Noviong from 1st Panguna Rover Crew and the Bougainville Area Commissioner, Jim Bissaker.

They will travel to Port Moresby and meet up with the other members of the Papua New Guinea Contingent and fly to Brisbane. Here they will join with the Queensland Contingent and journey across country by bus to Adelaide.

After the Jamboree they return via Canberra and Sydney to Brisbane where they will be the guests of the Queensland Scouts.

At present, the scout groups are busy in raising money to assist with the costs involved and would like to thank those people who have supported the past money-raising activities.



A group of eight House of Assembly Members visited the mine in early October. They were accompanied by Tony Elly, assistant clerk, House of Assembly. In the above picture, they are from left to right, Phillip Buseng (Markham Open), John Middleton (Sumkar Open), John Maneke (West New Britain Regional), Galopo Masa (Kandrian-Gloucester Open), Kui Baiyang (Middle Ramu Open), Brere Awol (West Sepik Coastal Open), Tony Elly (assistant clerk - House of Assembly), Dodobai Wautai (Kikori Open) and Henry Humphries (Talasea Open).

SEPTEMBER RAINFALL.

Panguna remained very dry during September. Only 5.12 inches fell although the monthly average is 12.93 inches. Arawa received 7.42 inches (average is 7.52 inches) and Loloho had 7.39 inches (average is 8.16 inches).

Total rainfall at Panguna for the nine months of 1973 ending in September was 123.98 inches, well down on the yearly average. Rainfall at Arawa and Loloho was 111.03 inches and 92.36 inches respectively, well above the yearly average.

Below, scenes from the recent Panguna Art Society exhibition held at the Karoona Tavern during which paintings, potteries and sculptures from all over the area were exhibited.

