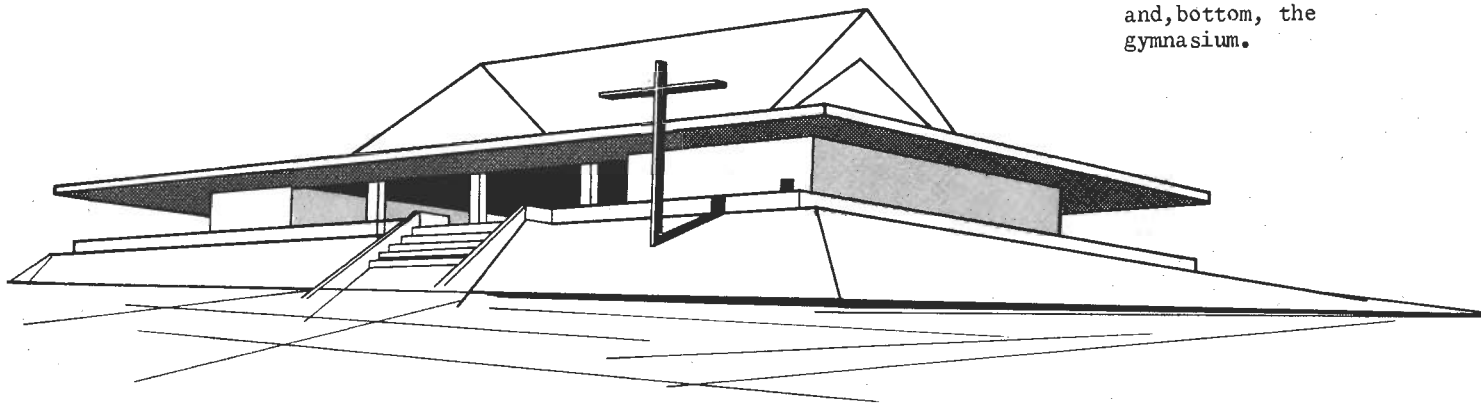


Bougainville Copper Concentrates

VOLUME TWO / NUMBER TWENTY October, 1972

Sketches show, below,
the new Panguna church
and, bottom, the
gymnasium.



Thiess Bros (Pacific) Pty. Limited have been awarded the contract to seal the Port Mine Access Road from Panguna to Loloho. The approx. \$1 million programme which also includes curve widening, will start soon and should be completed within 32 weeks.

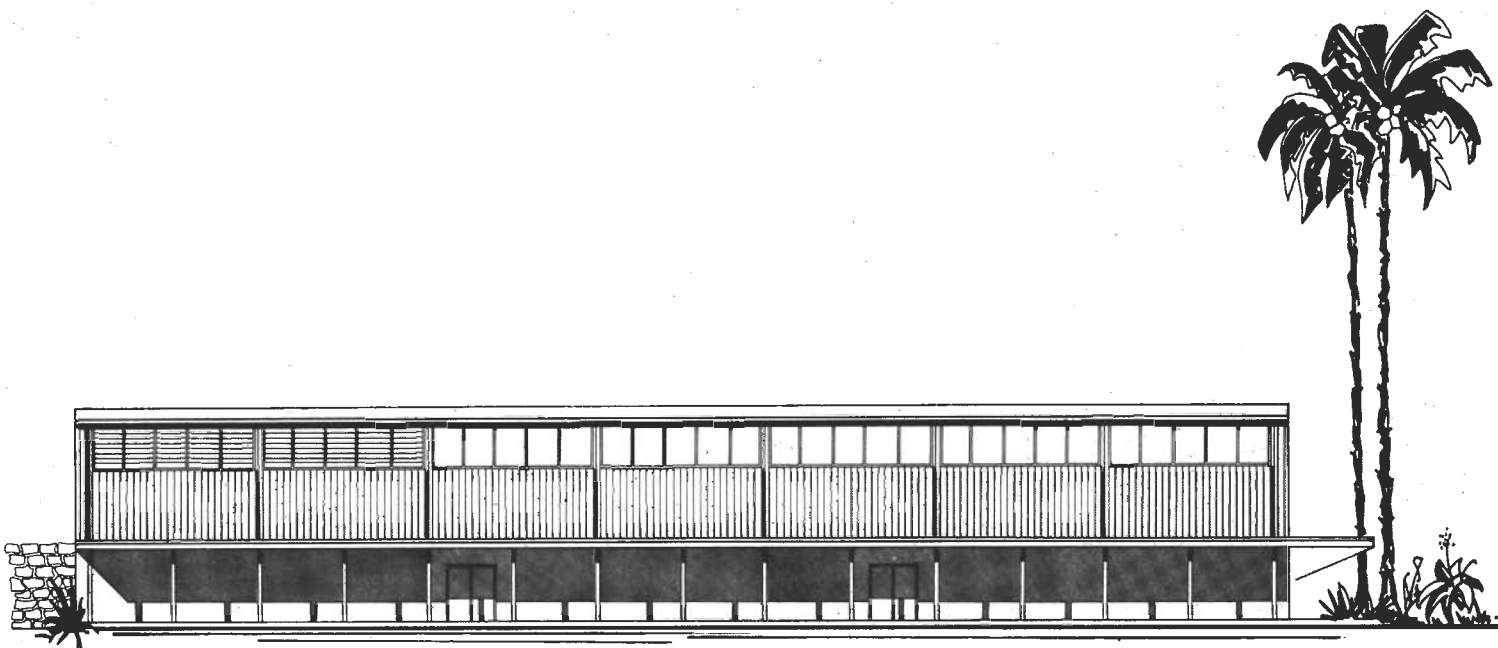
Watkins (Overseas) Ltd. have won three contracts to build a new gymnasium/changing rooms, extensions to the squash courts and a new church, all at Panguna.

The \$400,000 gymnasium and changing rooms complex will also feature a multi-purpose hall, a stage and an area for circuit training. Work will start soon and should

be completed within 30 weeks. The changing rooms, which will also serve the swimming pool, will be ready within 22 weeks (in time for the opening of the pool).

Extensions to the squash courts include building a new court and turning the whole complex into a permanent building. Included in the \$85,000 contract is the building of a snack bar to serve all sporting facilities and club facilities on the upper floor. Work would take 16 weeks.

The new church, costing \$140,000 will be situated opposite Kawerong Haus and will be inter-denominational. Work should take 23 weeks.



COAST SPORTS NEWS

A Coastal Sportsmen's Association moved closer to being with the conclusion on October 6 of a highly successful raffle, drawn at the Loloho boxing in front of a large crowd. To everyone's surprise Camp Catering Services took all the three prizes. The profits, over \$400, will go towards the purchase of boxing uniforms etc. for the Loloho boxers and it is hoped that more raffles can be run again soon for other sports. The first prize was won by Larry Lora from the Gulf District, an apprentice carpenter with CCS and a keen Rugby player. Second prize went to G. Rae, C/- CCS Panguna, and third prize to M. McNamara C/- CCS Loloho.

It is hoped to call a general meeting soon to actually form the association and all interested will be informed through these notes. For further information please contact Leith Anderson at 4-161 or John Finch at 958174.

With the letdown of three weeks ago (only three fights) the "cradle" of BOXING regained its face by turning on a good night's entertainment, 12 good bouts, plus a special "grudge" match between two of the heavier expats of yesteryear! It was good to see a turnout of families at the Loloho arena.

FROG RACING is still proving popular and the boys have had two good meetings recently with first class prizes for the children. Watch the notice board at each supermarket for further particulars.

Loloho travelled to Panguna last week to play their best at BASKETBALL and although we didn't quite pull it off, the boys from Loloho didn't disgrace themselves either.

The first match was played between Loloho Eagles and Panguna. Although a low scoring game it was fast moving and full time revealed a 19 all draw. It was decided to play extra time and John Nako of Panguna shot a goal from well out in the last two seconds of the time which gave home side a two point win.

The second match was played between Panguna Black Cats and a team from Arawa. This proved to be another fairly easy win for the proven Black Cats team who have now been playing together for over a year. The style and team work are good to watch and they would quit themselves well in major league competition. B. Yakam was the best player of this game scoring 12 of his team's 37 points. The Arawa boys played well although they only managed to get 18 points up.

Well some of the players want to start another competition with teams from Panguna, Arawa and Loloho taking part. A good thing - but let's be honest - in the two years I have been here it's been hard work trying to finish off four other draws, the main reason being most players only want to play and not help in the administration of the sport. No-where in the world can sportsmen take and not give something back to the game they play. Players will have to learn something about refereeing and scoring etc. as well as playing. This will also improve their own game. Let's see what happens this time.

- LEITH ANDERSON



With the Bougainville CRICKET competition about to get under way, a new team called Panguna Cricket Club - "Coaching Class", was recently formed. From present indications at coaching sessions some very good performances will be seen from these players this season.

The coaching class has been formed by the Bougainville Copper Cricket Club to help foster young cricketers in the area. Coaches in the team are Neal Stewart, Bill Johnson, Ken Rabura and Grahame Hurrell and the remainder of the members are drawn mainly from trainees and apprentices who have learnt the basics of cricket while at school, but until now were unable to carry on the game.

Coaching classes are held on Wednesday afternoons at 4.30 p.m. and Saturday mornings from 8.30 a.m. to 12.30 p.m. on the old tennis court at Panguna. A large number of budding young cricketers utilise these coaching sessions regularly. Anyone else wishing to join in will be made most welcome.

Last weekend a Possibles versus Probables game was held on the Panguna Oval and selectors were able to get an idea of players showing early form as the first competition game will be held on October 15.

Photo, top, shows Ken Rabura padding up. Below that, Thomas Uwedo, Mita Gerobo, Gordon Gill, Neal Stewart, Torea Josiah, Ken Rabura and Bill Johnson. Foreground, Michael Undaka receiving some batting hints from Grahame Hurrell.

FOR SALE

10 cubic foot deep freeze. \$260 o.n.o. Perfect condition. Less than one year old. Contact G. Nelson House 51, Mud Valley, after 3.00 p.m.

PANGUNA SQUASH CLUB

A quiet drink at the Tavern recently was the scene for the bidding our No. 1 player and good friend Ian Wright farewell. We wish Ian all the best in the future and plenty of good hard squash in Lae.

The pre Christmas competition commenced October 4 to keep members fit and enable them to drink and eat freely during the Festive Season. The teams are as follows:

Mens "A"	Mens "B"	Womens "A"
<u>Maddogs</u>	<u>Maddogs (2)</u>	<u>Swingers</u>
H. Morton	P. Midnight	S. Mitchell
R. Carey	G. Peck	L. Sanole
W. Johnson	M. Edmeades	C. Fisher
T. Pacini	R. Mormontt	R. McKee-Duff
P. Zielonka	J. McCallum (Em. O. Keat)	

<u>Untouchables</u>	<u>Untouchables (2)</u>	<u>Sweeties</u>
R. Kay	L. Mentz	V. Mitchell
G. Hurrell	A. Keating	A. Blackwell
R. Hope	A. Gregory	E. Hodder
M. Sheely	R. Duffy	H. Lavery
M. Ruescher	B. Muffett	
T. De Haan		

<u>Devils</u>	<u>Devils (2)</u>	<u>Jet-Setters</u>
A. Doyle	P. Baker	M. Horton
M. Sullivan	A. Pitzpatrick	M. Duffy
K. Sweeney	N. Everon	M. Hope
J. Beauchamp	G. Broome	Y. Brown
W. Brown	P. Hawkes	

<u>Dragons</u>	<u>Dragons (2)</u>	<u>Cuties</u>
E. Mitchell	G. McKenzie	B. Barnes
G. Barnes	N. Fielden	L. Kay
N. Stewart	P. Hayes	B. Shinnick
J. Overy	N. Quann	J. McKenzie
J. Spencer	G. Emmett	

Sports news

The sporting world is very quiet at the moment with the football season over and the baseball and cricket season not here yet.

A BASEBALL association was formed in Panguna on October 3. We have a full committee and training has commenced. Down the coast baseball is on the go too and it would appear that a strong competition is certain. Apart from Morrie Sullivan, all the baseball committee consist of indigenous players. Teams are now being formed but our new supply of baseball equipment is required on site prior to the commencement of the season. This shouldn't be long and in the meantime social games will be organised.

Committee:- President - Pidik Horim
Sec./Treas. - Joe Noa

Morrie Sullivan
Michael Taapuan
Stephen Mesmin

Vic Caruana tells me he and Bob Esdaile have formed the Port Operations Baseball team and will be playing a series of matches against the Bougainville Maru each time she is in Loloho. However, they are willing to play any other team in social matches until the competition commences. Ring Vic on 4-227.

A DARTS, SNOOKER and TABLE TENNIS competition will

take place next month. I would like all elimination games played out before the end of November so we can have the finals during the early part of December to coincide with the boxing championships. Lists will be placed in all messes so put your names in and watch for the draws that will also be promulgated in the messes. All enquiries to Ken Rabura or myself.

BOXING programme is as follows:-

13.10.72 - Panguna
20.10.72 - Loloho
27.10.72 - Nil
3.11.72 - Panguna
10.11.72 - Loloho

Don't forget that anyone who would like to sail, or learn to sail, is welcome to join the Kieta Sailing and Cruising Club. This club is very active and all new members can be assured of a SAIL even if you don't own a boat. Club house is part of the old Kieta Hospital and Sunday afternoon is the big day for sailing. From observation while working on my yacht at Loloho the Aquatic Club is very active too. Motor boats (fizz boats) are in and out of the water all the time during the weekend. The thought of going back to the cold and bumpy seas down south must cause a few nightmares.

You have probably observed much "goings on" near the tennis courts in Panguna recently. This is the start of the SWIMMING pool and GYMNASIUM complex underway at last. Shouldn't be long now before we can shed some of that excess weight as there can't be any excuses after the gym is up. The SQUASH Court building is being renovated with an additional court, plus changing rooms toilets etc; when this work is completed we should have the best sports centre in the country.

- RON HERRICK

PANGUNA

Thurs. & Fri. Oct. 26 & 27	The Group	Candice Bergin Joan Hackett and supporting cast.
Sat. & Mon. Oct. 28 & 30	Taras Bulba	Tony Curtis Yul Brynner
Sun. & Tues. Oct. 29 & 31	Irma La Douce	Jack Lemmon Shirley McLaine
Thurs. & Fri. Nov. 2 & 3	Magnificent Seven	Yul Brynner Steve McQueen
Sat. & Mon. Nov 4 & 6	Cast a Giant Shadow	Kirk Douglas Senta Berger
Sun. & Tues. Nov. 5 & 7	Love Is A Ball	Glen Ford Hope Lange Charles Boyer

ARAWA

Sunday October 29	Anyone Can Play Plus - Brass Bottle	Tony Randall Burl Ives
Wednesday November 1	Sebastian Plus - Bean James	Dirk Bogarde Bob Hope Vera Miles
Friday November 3	Kiss Me Stupid	Dean Martin, Kim Novak
Sunday November 5	The Group	Candice Bergin
Wednesday November 8	To Trap A Spy	David McCallum Robert Vaughan
Friday November 10	Taras Bulba	Tony Curtis Yul Brynner

films

By Agnes Mori,
St. Mary's High School,
Asitavi

THE MAGIC MATCHES

Once upon a time there lived a poor family out in the countryside. In that family there was the father, the mother, and two boys, Tom and Peter, who were twins. When the brothers were seven years old, both parents died. The brothers had to find food by themselves. Everyday they became hungrier and hungrier. There, two miles away, stood a castle which was owned by the chief, but he never felt sorry for them. He had thousands and thousands of men working for him.

One day Tom left Peter at home and went to look for food in the bush. While he was walking along he met an ugly old man. Tom, only a small boy, was frightened by this creature. But the man comforted him and asked him why he was all by himself in the bush. Tom told him the whole story and, after hearing it, the man asked him if he would go with him to his home.

No sooner had Tom said yes, they were inside a tunnel which led to his home. The man gave him some food to eat. When the meal was over, he gave him some magic stick matches. He told him that if he wanted anything at all, he should strike the matches and the things would appear.

Soon the boy started his journey home. When he arrived he saw his brother Peter dying of hunger. He struck the matches and there appeared different kinds of food. They had a good meal. After the meal, Tom struck the matches again and there, close by, stood a beautiful castle with everything they needed. Soon they became rich. By this time they were 10 years of age.

But the Chief was jealous of them and he planned to kill the brothers and take over the beautiful house and their belongings. When the brothers heard this sad news, Tom hurried off to see the man who had given the magic stick matches to him. When he arrived at the man's village, he told him that the people had planned to kill them. The man then told him that when the first spearmen came he should pretend to light his cigarette. But then he should strike the magic stick matches. Instead of a fire, thousands of tigers would come and eat up the spearmen.

Tom thanked the old man and went home. Two days later the armies of the Chief arrived. As they approached the house, they saw the two brothers playing. Just before the man could fire the gun, Tom asked them if they could give him a minute to light his cigarette. When he struck the matches, there appeared thousands and thousands of tigers and ate up the spearmen. An hour later another group of men came. Tom did the same thing and the men disappeared. So the two clever brothers won the fight. From that time on they lived happily ever after.

"CRAYFISH" GETS HOOKED

A 3 year veteran of Loloho, Andrew Jaffray, commonly known as "Crayfish", has decided that the single life is out and is being married at St. Helens in Tasmania at the end of October. He and his new bride will be returning for another stay on our tropical island. All from the coast wish him all the very best and are looking forward to his return with the new Mrs. Jaffray.



WHAT IS THE METRIC SYSTEM

After decimalisation comes metrication, first counting the money in tens and now measuring in tens - to many a new idea. When man first started to count it was in tens as he found that the most convenient place to keep a tally was on his fingers. The metric system is based on the International System of Units known as S.I. Nine tenths of the world is either using or changing over to the S.I. system.

The S.I. system has seven basic units of quantity which are shown by symbols below:

Quantity	Name	SI Unit
Length	metre	m (one metre is equivalent to 3.28 ft.)
Mass (ie Weight)	kilogram	kg (one kilogram is equivalent to 2.2 lb.)
Time	second	s
Electric Current	ampere	A
Thermodynamic Temperature	kelvin	K
Luminous Intensity	candela	cd
Amount of Substance	mole	mol

Each of these units is scientifically defined and is the same regardless of the country, island or continent, where it is used.

Larger or smaller quantities are derived by multiplying or dividing the SI units by 10, 100, 1000 and so on.

There are internationally agreed prefixes to express multiples of the SI units. Some of these are shown below -

	Symbol
mega means a million times	M
kilo means a thousand times	k
hecto means a hundred times	h
deca means ten times	da
deci means a tenth part of	d
centi means a hundredth part of	c
milli means a thousandth part of	m

For Example

$$1 \text{ kilometre (km)} = 1000 \text{ metres (m)}$$

$$1 \text{ millimetre (mm)} = \frac{1}{1000} \text{ metre (m)}$$

$$1 \text{ kilogram (kg)} = 1000 \text{ grams (g)}$$

With practice calculations in the Metric System will become much easier than in the Imperial System because there are fewer units. For instance, length will be measured in metres, or parts or multiples of metres instead of inches, feet, yards, chains, furlongs and miles. Experiments have been made which show, for example, that mechanical engineering calculations, performed long-hand can be completed up to five times more quickly in the International System of metric units (SI) than in Imperial Units.

THREE WEDDINGS AT AROVO

Right, Rainer Georgi and his wife, Jill, cut their wedding cake. Below, married at Arovo Island as well recently were Barry Wright, roads foreman, mining and Miss Blanca Cruz from Manila. Bottom, married by Father Fahey at Arovo Island were Russell Childs, truck shift foreman, mining, and Miss Nellie Jinang of Manila.



LOLOHO POWER HOUSE NEWS

- . Welcome to Richard Rummery and family, recently arrived from Anglesea, Victoria. Also, welcome to John Michael Greeshaw and family, arrived from Wallerawang, N.S.W. Both take up positions as assistant unit controllers.
- . Congratulations to Rod Montgomery on his appointment to unit attendant (Rod was with maintenance).
- . Also to Bruce Muffett, Max Cechner and Graham Sharp on their appointments to assistant unit controllers.
- . Rainer Georgi, boilermaker/welder, was married at Arovo Island recently. Rainer's wife Jill is a Sister at Arawa Hospital.
- . Heard tell of a near disaster while boarding the launch after the reception; the way I heard it was that someone pulled the jetty away from the launch as Alex, one of the guests, stepped aboard. It took most of the other guests to get him on board!

- MAURICE RILEY

IT'S FURTHER THAN YOU THINK

For those Europeans who wish to sample the delights of bushwalking on Bougainville, it's as well to become acquainted with the subtleties of Pidgin before taking on a major hike. Especially if you ask your guide how far it is to that village that was supposed to be 20 minutes walk away.

His answer could be any one of a dozen phrases all calculated to leave you more ignorant than before. Here are a few of them:- Klostu - near; klostu liklik - fairly near; longwe - distant; longwe liklik - fairly distant; klostu tumas - very near; klostu moa - nearer; longwe tumas - very distant; longwe moa - further; moa liklik - a little further; i no longwe - not far; liklik klostu - pretty near; liklik longwe - pretty far.

What the guide means by these phrases depends to some extent on the mood he is in, whether he is used to walking and whether he thinks you want to believe the village is nearer or just want the truth. All in all it's better not to ask - just keep plodding.

HOUSEWIVES' VISIT

Arawa housewives who wish to visit to the mine should ring Simon Feely, 5-255, before October 25. A bus will be put on to take the housewives to and from the mine. Lunch will be provided. It is regretted that, for safety reasons, no children can be taken on a tour of the operating areas.

ARTIFACTS AT BUKA

A small store to sell locally made artifacts is to be set up at Buka Airport.





Picture shows Bagana, the most active volcano in Papua New Guinea and just 25 miles as the crow flies from Panguna. Bagana had a major eruption in 1968 when ash was spread over a wide distance, but there was no report of injury.

The volcano is 5,730 ft high with a crater at the top continually smoking and at intervals sending streams of lava down the western side. Further down the western slopes a subsidiary crater sometimes smokes and emits lava.

This Brian Wendt photo shows the volcano from the north western side. There is no vegetation and, as one might suppose, it is virtually impossible to climb close to the summit because of the heat. Around the base is thick kunai grass, running into jungle. People as far south as in the Shortland and Treasury Islands in the Solomons traditionally believe that dead souls reside in the volcano.

Continued from page 4

METRIC AREA

The unit of area is the square metre and is defined as the area enclosed by a square each side of which is one metre in length.

<u>DESCRIPTION</u>	<u>ABBREVIATION</u>
square metre	m ² (one square metre is equivalent to 1.2 square yds. or 10.8 sq.ft.)
square millimetre	mm ²
square kilometre	km ² (one square kilometre is equivalent to 0.386 square miles)

As with the Imperial System where the name acre was used to define areas of land, we have in the Metric System a similar classification - the hectare (ha) which equals 10,000 square metres abbreviated as 10,000 m², or 10⁴m². One hectare is equivalent to 2.47 acres.

METRIC VOLUME

One cubic metre (m³) is the volume of a cube each side of which is a metre in length. One cubic metre is equivalent to 1.31 cubic yards or 35.3 cubic feet. Instead of a gallon for measuring liquid volumes the litre (l) or cubic decimetre (dm³) will be used. One litre is equivalent to 1.76 pints or 1 gallon is equivalent to 4.55 litres.

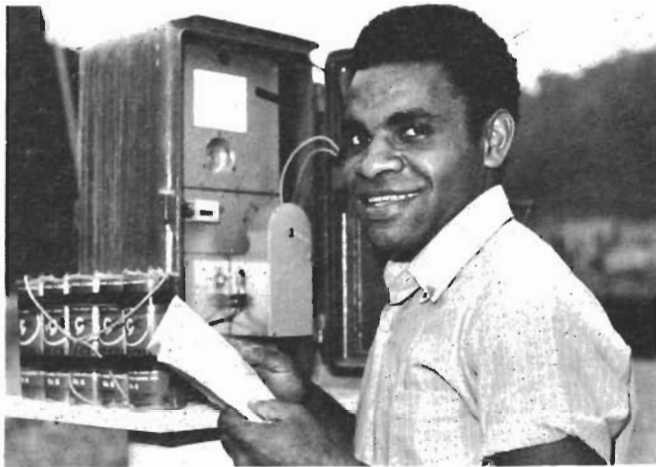
METRIC WEIGHT (Mass)

The kilogram (kg) is the basic unit of mass. One thousand kilograms (10³kg) in the metric system is called a tonne (t) or metric ton (mt). In Imperial Units one ton (commonly called one long ton) is equivalent to 2240 lbs. and in the metric system one tonne (t) is equivalent to 0.984 long tons or 2205 lbs.

BABY FOR DAWN

Born to Dawn and Trevor Harris at Arawa Hospital recently a daughter, Natalie Jeanne. Trevor is a pit training officer.

Below, Elias Memna, apprentice hydrographer.
Middle, Silas Jubilee and son, com. rel. driver.
Bottom, Joel Taekipa, field representative, and
Goro Hagumo, livestock ass., at Kobuan. Right,
back on site after a world trip, secretary, Louise
Child. Middle, civil engineer, Thomas Tohiana.
Bottom, Jim Byth, visiting from Melbourne office.



MORE POETRY

Someone enjoyed the poetry published in "Concentrates" a little while ago. Mrs. Valerie J. Laughton, wife of Bob Laughton, transport supervisor, offers this interesting piece:

There'd be a lot of changes - if Women ran the Mine!
Their message calls for softer Blasts; in notes
they under-line!
They'd pipe through "pleasing music" as the Slurry
went along,
And the men would NEVER worry: if Conveyor belts went
wrong
For, the pretty girl Technicians would be screwing up
spare parts;
Then motors churn as good as new - in spite of
broken hearts!

There'd be a pile of difference, as the Ore was
crushed in place;
With a cup of tea - a friendly chat (or powder up
your face)
The 105s in different shades would carry kitchen gear,
Or, even pull a trailer - "If you need a rest my dear!"
As the time was set for gossip - while the cleaning
carried through;
They would scrub the Concentrator - till it shone like
Copper tool!

There'd be a heat of saving if "SHES" took up our
style!
They'd cut the cost of metal goods - to those employed
a while!
While dressed in their Bikinis; to do the latest
tests -
They'd have the letters BCP worked right across their
breasts.
With flowers in their Hard Hats, and every eye to
fore -
The Shares would rise - increased no doubt; with
Interest doubling Ore!

There'd be a Host of Tourists! It makes you stop and
think?
But do not state this can't occur - "Your Offices" are
pink!!
Strong process work would serve each task - in several
starts and stops.
The Primary Crusher helps the Girls - grinds break to
crumbs - for chops!
From Hard-Tops - come bright sporting Jags. - The Firm
expresses Thanks.
Security can start to "Dress" - Class silver braid -
Top Ranks!

Before we run astray too much - confessions I must
nurse.
- This Writer is a Woman too - who jokes at men in
versel
Those males might form a Union, and protests there
would be -
He'd have to rear the babies, and learn to cook the
tea,
So, there'd be a lot of changes; yet it's nice to
dream unheeded;
That your better half is somewhere near - until she's
really needed!

FOUND

Pair of spectacles, dark grey frame, on the Port Mine
Access Road near the Camp 10 turnoff. Owner may contact
Michael Grant-Cook at B3.



SAVED BY A HARD HAT

Recently the value of wearing a hard hat again become apparent when Miria Talewa, a chain saw operator working down at the tailings area, was struck by a flying branch 14 ft. long, from a falling tree. The hard hat pictured above was split completely to the crown and if he had not been wearing it this would probably have been a fatal accident.

PANGUNA HEALTH CENTRE REDUCES SERVICES

The Public Health Department advise that they have withdrawn their medical officer from the Panguna Health Centre. This decision was made due to the reduction in patient load at Panguna since the opening of the Arawa General Hospital.

The following services and staffing arrangements now apply at the Panguna Health Centre:

A nurse will be on duty at the Centre during normal public service working hours;

A local health extension officer is now the officer-in-charge at the centre and replaces the local male nurse who was stationed there beforehand. He will most probably reside at the Centre;

The Health Department continues to maintain an ambulance at Panguna to be available 24 hours a day;

A medical officer from Arawa Hospital will visit the Centre from 9 a.m. to 11.30 a.m. on Monday and Friday;

Maternal and Child Health services will continue to be provided at Panguna. The staff providing these services may live at Panguna or Arawa.

1972 NEW ZEALAND GENERAL ELECTIONS

The triennial General Elections will be held in New Zealand on Saturday, November 25. Expatriate "Kiwis" who would like to exercise their right to vote may do so by applying to the New Zealand High Commissioner in Canberra. The required forms are available from Leith Anderson - C/- P.D.F. Wholesalers, Loloho (Phone 4-161), who will be only too happy to assist.

A PRIZE FOR BOB

Bob Hope, manager - engineering, has been awarded the management prize of the Institution of Engineers, Australia, for his paper entitled "Engineering Management of the Bougainville Project", published in April, 1971, issue of the Civil Engineering Transactions. The prize is awarded annually for the paper deemed to be the most important contribution to the literature of the engineering profession on management or an allied subject.

United Church Anniversary

The United Church on Bougainville recently celebrated the 50th anniversary of the first Methodist Mission on the island. Our man at Buka Passage, Bill Birkett, writes:

The Rev Allen Cropp was appointed in 1922 to begin missionary work in Bougainville. He had three Fijians to help him. They were Usaiya Sotutu, Malolile and Eroni Kotosoma. Together, they were the crew for a small vessel, the 'Saga', sailing from New Zealand.

Mr. Cropp wanted to set up a station at Petats Island on the west coast of Buka but no land was available there so the people made five acres available across the lagoon on the Buka side - a beach site known as J'Kotolan - meaning 'The Beach'. The Europeans called it Skololan which became its accepted name.

Usaiya was stationed there as a teacher and remained to become an ordained minister who served in the area for 27 years. He was decorated during the war for his outstanding services to the Fijian Military Force on Bougainville.

Mr. Cropp set up schools in many villages, winning converts, building churches and establishing medical centres. Many of his scholars became teachers through the years. He reduced the Petats language to writing and it became the mission language for the area, in which a score of dialects are spoken. He translated scriptures, hymns and services and gave 18 years of pioneer service, leaving the district in 1939.

In 1926, the Reverend and Mrs. A. H. Voyce were appointed to the Bougainville District to open missionary work in South Bougainville. Circumstances, however, made it necessary for them to be at Buka in transit for six months. It was during this period that Allen Cropp proceeded to New Britain to be married and, because of rough weather, fears were held for his safety on the return journey. Indeed, he had to seek shelter at Cape St George on New Ireland but eventually arrived with Mrs Cropp and there was much rejoicing.

At this time another Fijian, Toni Uliabou came to replace Malolile who had met his death whilst on furlough in Fiji.

Sister Elizabeth Common was appointed in 1928 and began work among the women and girls, to be followed in the post war years by other missionary sisters, both nurses and teachers.

Missionary work was maintained during the Japanese occupation by native teachers and it was at this time that Luke Zale, senior Catechist at Petats, was interrogated by the Japanese at Sohano Island and marked to be shot. He jumped down a sheer cliff from his captors, hiding in a coral cave and at night



dived into the swiftly flowing waters of Buka Passage. He warned the people of Petats who all departed by night in their canoes down to the west coast of Bougainville where they lived for the period of the war.

Luke was decorated for his war-time services.

The Rev Cropp was succeeded by the Rev C.T.J. Luxton, Rev G. Cornwell in 1949, Rev B. Side in 1963 and by the Rev. John Taufa in 1969, who became the Bishop of Bougainville region in 1971.

The Rev Francis Bongbong, a former student, is the current resident minister.

In 1947 a fine church was built at Skotolan to mark the silver jubilee and the church now built at Petats Island marks the golden jubilee of the Mission.

This was celebrated at Petats on July 25 1972, followed by celebrations at Teop Island where Mr Cropp and Usaiya first landed 50 years ago.

The jubilee was opened by the Rev Moderata Sharp with the pioneer missionary, Rev Usaiya Sotutu as an honoured guest.

Visitors, estimated at about 1,000 came from Fiji, Australia, New Zealand, Rabaul and Buka.

Twenty five pigs and two cows were eaten, with entertainment being provided by Buka and North Bougainville visitors. Hutjena High School students put on a drama.

Above, Councillor Kavop of Petats with a post of the original church at Petats. Right, Rev. Eroni Kotosoma at the Teop celebrations. Left, also at the Teop celebrations were, from the left, Rev. Jovilisi Duvuloko, Bomes, Rev. Usaiya Sotutu and Mrs. Sotutu.





TONY IS A "VOYCE"

Behind the wheel of a 105 truck today is 23-year-old Tony Voyce from Siwai, South Bougainville. The name "Voyce" comes from a United Church New Zealand missionary couple, who, in 1949, became his family when he was orphaned by the death of his parents. Tony was too small a baby at the time to remember anything of his real parents and the only ones he's ever known were the minister and his wife.

They were then stationed at Kuau, between Tonolei and Kangu in the Buin area. This mission station was later abandoned and the Rev. and Mrs. Voyce moved to Kihili taking little Tony with them.

By 1955 the minister had reached the end of his term on the missions and returned to New Zealand. He and his wife wanted to take Tony with them but as this was against the law of this country, they were forced to leave him behind. However, in the years that followed, they kept asking permission for Tony to be allowed to join them in New Zealand.

Finally in 1962, Tony, then 13 left for New Zealand. The Voyces sent him to the Wesley College, he having done primary schooling at Kihili, Teop, in the Tinputz area, and at Skotolan on Buka Island.

In 1966 Tony completed his years at the College and in 1967 was employed by Concorde Electronics in Auckland. That year, a New Zealander, Forcette Kay, who has a plantation at Diamond Neros on New Georgia, BSIP, bought a boat to sail to the Solomons. He asked Tony to crew for him. Tony readily agreed because he was longing to return to Bougainville and to him a journey by sea was a lot cheaper than one by air.

Having rounded up some more crew and a cook, they left New Zealand. The voyage took almost six months, through New Caledonia, Loyalty Islands and the New Hebrides, hunting crocodiles on the way.

When they reached the Solomons, the rest of the crew members returned to New Zealand, leaving Mr. Kay, the cook and Tony to sail the boat from Honiara to Mr. Kay's home in Diamond Neros.

At New Georgia, Tony had to wait for another boat to bring him to Bougainville. In early 1968, he boarded the United Church's "Ozama Toomey" and came home where he spent the rest of the year.

In 1969 he joined Radio Bougainville and was sent to Port Moresby to do a two months training course with the Department of Information and Extension Services. At the completion of the course, his mates became announcers, while he, for the next six months, had to master Pidgin English which is the chief broadcasting language of Radio Bougainville.

In 1970 Tony joined Bechtel as a tally clerk at Loloho. He was working there when the first 105s arrived. When he saw them, he decided he didn't want to be a tally clerk anymore so he applied to become a 105 driver. He was accepted and he is one of the first group of drivers who successfully completed their driving courses and became the very first Papua New Guinea 105 drivers.

- JOHN WAKARIA

FISH POISONING

A number of known forms of poisoning result from eating certain species of fish. These are quite distinct from food poisoning resulting from development of spoilage bacteria in fish which has been wrongly handled, poorly stored or improperly processed. They can be regarded as chemical poisons rather than bacterial, the most common being ciguatera.

This is the most common form of fish poisoning in tropical and sub-tropical areas and the majority of illnesses caused by fish toxins in Australia are of this nature. It was first noted by Magellan and later mentioned in 1606 by the noted Spaniard, Fernandez de Quiros and in 1774 by Capt. James Cook.

More than 300 species of fish have been suspected of causing this poisoning at one time or another but only a small portion are known to have caused it with sufficient frequency to become definitely suspect.

Species regarded as particularly dangerous are the chinaman, Lutjanus Nematophorus, the red bass, Lutjanus Coatesi, and the paddle tail, Lutjanus Gibbus. Occasional poisoners include coral trout, mackerel, reef cod, barracuda, emperor and groper, all of which are caught around Bougainville Island.

A Queensland doctor, one of the two leading authorities on the treatment of this poisoning, says the majority of cases occur when a large fish is caught at the weekend and is served up at meals several times during the following week. The symptoms are then severely aggravated by the ingestion of beer or other alcohol on the Friday or Saturday.

Ciguatera can be serious and has caused deaths in the West Indies and the central Pacific islands.

Following are some of the more distinctive symptoms:- Tingling in the hands, feet, lips and mouth. Weird sensitivity to heat or cold. Chilled beer may seem to scald the throat. Skin itch, particularly at the palms of the hands or the soles of the feet. Dull frontal pain and headache. May involve aching of sound teeth. Vomiting, abdominal pains and tight chest pains with occasional heart irregularity. Sometimes blood is present in the urine. Shock, convulsions, blurring of vision, loss of muscular co-ordination or paralysis are other possibilities.

In a comparatively mild attack the more troublesome symptoms may pass off in 24 to 36 hours.

The moral of this article is "know your fish". Books on fish identification are available at most book stalls from as little as \$2. Facts for this article come from Paul Hamlyn's "Australian and New Zealand Fishing".

CATHEDRAL OPENED

The new St. Michael's Cathedral was officially opened by the Vicar General, Rev. Fr. Peter Kurongku on October 1. It cost \$30,000. Following a blessing and mass, the Rigu choir performed.

WOMENS' LIB?

A Bougainville Merry-makers' Association has been formed in Panguna for single and married women. Elections of a committee was due to take place last week. The idea of the association is to get women out of their homes and help them take part in many activities hitherto confined to the male community. Membership costs 50 cents a year and the president will be listed in the next issue. A branch is expected to start up in Arawa soon.

Panguna

ORGANISATIONS:

Panguna Arts Society	Mr. K. Ambrose	5-392
Lions Club	President Mr. L. Smith	5-135
Parents & Citizens Assoc.	Mr. R. Hope	5-290
Primary School Mothers Club	Mrs. M. Blackwell	958176
Squash Club	President Mr. K. Tregauer	5-256
	Secretary Mr. M. Sullivan	5-297
Cricket Club	President Mr. J. Trezise	5-317
Scout & Guide	Chairman Mr. J. Ainsworth	5-136
Committee	Guide Captn. Mrs. J. Bissaker	5-245
	Brownie Ldr. Mrs. A. Embery	45 Kupei Rd.
	Group Scout Master Mr. J. Embery	45 Kupei Rd.

EMERGENCY DIRECTORY:

Security	Emergency Control	958022.....123
(For all emergencies)		
Medical	BCP Medical Centre	958304.....254
	Panguna Hospital	958289
Police	Police Station	958222
		958263

BANK:

A branch of the Commonwealth Bank is situated approx. 150 yards west of the Trade Store and is open:

Monday to Friday	9.00 a.m. - 11.30 a.m.
	1.00 p.m. - 3.00 p.m.
Friday only	4.30 p.m. - 6.00 p.m.
Saturday	8.30 a.m. - 11.00 a.m.

POST OFFICE is open:

Monday to Friday	8.30 a.m. - 12.00 p.m.
	1.00 p.m. - 4.00 p.m.
Saturday	8.30 a.m. - 12.00 p.m.

LIBRARY is open:

Monday to Saturday	8.00 a.m. - 12.00 p.m.
	2.00 p.m. - 5.00 p.m.

TRADE STORE is open:

Monday to Friday	9.00 a.m. - 5.30 p.m.
Friday evening	6.30 p.m. - 8.30 p.m.
Saturday	9.00 a.m. - 12.00 p.m.

HOSPITAL

The P.H.D. Hospital, situated at Townsite, Panguna is staffed 24 hours per day, seven days a week.

Out-patients Monday to Friday	8.00 a.m. - 12.00 p.m.
	1.00 p.m. - 4.00 p.m.
Saturday	8.00 a.m. - 12.00 p.m.

The BCP Medical Centre is open for treatments from 7.30 a.m. to 4.15 p.m. daily.

CHILD WELFARE CLINICS:

Wednesday only	8.00 a.m. - 11.45 a.m.
	1.00 p.m. - 3.00 p.m.

CHURCH SERVICES:

Catholic	Sunday 8.00 a.m. and 7.00 p.m.
	Every evening 7.00 p.m.
	Priest in charge - Father G. Fahey, P.O. Box 48, Panguna.
United Church	Sunday at 9.00 a.m.
	Sunday 7.00 p.m. at Camp 10
	Every Wednesday 7.30 p.m.
Lutheran	Services to be announced. Alternative Sundays with Arawa.
	Pastor in charge - Pastor Dean Zweck.

All services are held in the building opposite Kawerong Flats.

Arawa

ORGANISATIONS:

Lions Club	President	Mr. R. Rudkin	5-161
Country Club		Mr. I. Baird	4-120
		Mr. G. Causon	5-327
BCP Womens' Club	President	Mrs. M. Gomara	
Arawa Civic Association		Mr. R. Jeffery	5-287
Tennis Club	President	Mr. R. Bolvden	5-374
	Secretary	Mr. K. Best	5-115

POLICE STATION:

is situated between the Tupukas River and the trade store and is open 24 hours per day. There is an emergency telephone at the police station (951222) which is on a direct line to Kieta Police Station (956222).

TRADE STORE is open:

Monday to Friday	8.30 a.m. - 5.30 p.m.
Friday evening	6.30 p.m. - 8.30 p.m.
Saturday	8.30 a.m. - 12.00 p.m.

BANK is open:

Monday to Friday	9.00 a.m. - 11.30 a.m.
	1.30 p.m. - 3.00 p.m.
Saturday	8.30 a.m. - 11.00 a.m.

POST OFFICE is open:

Monday to Friday	8.00 a.m. - 12.00 p.m.
	1.30 p.m. - 4.00 p.m.
Saturday	8.00 a.m. - 12.00 p.m.

LIBRARY in Room 6, Tupukas Primary School, is open:

Tuesday	10.00 a.m. - 12.00 p.m.
Wednesday	7.00 a.m. - 9.00 a.m.
Thursday	3.00 p.m. - 5.00 p.m.
Saturday	10.00 a.m. - 12.00 p.m.

HOSPITAL

Inter-Clinic

Monday - Friday	9.00 a.m. - 11.30 a.m.
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Ante-natal Clinic

Wednesdays	8.00 a.m. - 11.30 a.m.
	1.00 p.m. - 3.30 p.m.

Maternal & Child Health Clinic

Monday and Friday	8.00 a.m. - 11.30 a.m.
	1.00 p.m. - 3.30 p.m.

Out-Patients:

Monday to Friday	8.00 a.m. - 4.00 p.m.
Emergencies	7 days week, 24 hours.

No visiting the hospital is allowed outside regular visiting hours, unless special arrangements have been made. Visiting hours are:

3.00 p.m. - 4.00 p.m.
7.00 p.m. - 8.00 p.m.

CHEMIST:

Monday to Friday	8.00 a.m. - 1.00 p.m.
	2.00 p.m. - 5.30 p.m.
Saturday	8.00 a.m. - 12.00 p.m.

DENTIST: Arawa 951424

Monday to Friday	8.00 a.m. - 12.00 p.m.
	2.00 p.m. - 6.00 p.m.
Saturday	8.00 a.m. - 9.30 a.m.

CHURCH SERVICES:

Catholic	Sundays 8.00 a.m. and 5.00 p.m. at Arawa Fermentary.
United Church	Sunday 9.00 a.m. at the Fermentary.
Lutheran	Every second Sunday at the Fermentary.