

Bougainville Copper Concentrates

VOLUME THREE / NUMBER THIRTEEN JULY, 1973



SHUT DOWN

All crushing, grinding and flotation stopped in the project on June 5 to allow essential installation of equipment for the new number 9 ball mill. Major work included the cutting in of extensions to the fine ore conveyor and the installation of four Mexican feeders and four mass flow cones to the fine ore store. These mass flow cones are something new to the project and are expected to allow a better feed profile from the fine ore stockpile.

The detailed shutdown schedule was prepared by Bechtel, McGee, Minenco, and BCP so that an efficient performance would be maintained. The schedule actually commenced 119 hours before zero hour when the tripper over the fine ore stockpile was adjusted to feed mills 1 to 7 only.

Bulldozers were used to fill number 8 and the area around the number 9 mill feeders

(Continued page 2)



Pictures show the installation of mass flow cones and feed chutes above Mexican hat feeders.

for installation of the mass flow cones and Mexican feeders. Bulldozers were also used to completely empty the coarse ore stockpile for reclaim feeder maintenance. By closely following their shut down procedures operation crews were able to hand over the concentrator plant to BMM and BCP maintenance on schedule.

Three maintenance crews from the pit workshop assisted in the shut down and heavy equipment was made available by BCP engineering and Mining.

A "round the clock" central control centre was used to monitor the shut down and supervisors from BMM and BCP updated progress charts every two hours for management perusal.

The primary crusher was back on line after being down 20.5 hours, and the fine crushing plant and mill were back after 37 hours and 38.5 hours respectively.

A very successful shut down was achieved with a prodigious amount of maintenance and modification carried out.

The following work was carried out by the various crews:-

BMM

No. 18 tripper rails changed; No. 18 tripper extended - electrical testwork; new 3.3 KV switchgear tied-in; compressor house elect. tied-in; mass flow cones and Mexican feeders installed; feed chute to No. 18 conveyor changed; mill water tied in; air piping tied in; tailings trench break in; grinding bay crane collecting rails changed.

Pit Workshop Crews

Cleaner feed sump and scavenger feed sump changed; new No. 18 tripper chute installed; mill water supply piped up for new water strainer.

BCP Maintenance (Mechanical)

Wear bars on No. 17 belt feed chutes replaced; lagging on NO. 17 conveyor snub drum removed; return idlers on No. 17 & 18 conveyors changed out; wear bars on the coarse ore reclaim feed chute changed; regrind splitter box repaired; flotation blowers serviced and blower air leaks repaired; all air compressors serviced; worn sections from rougher distributors removed and new wear plates installed; concentrate thickener plugged and discharge valves changed. 4 x 10" discharge manifold installed; new discharge tailing line on 2, 4 & 6 rougher cells installed.

(Electrical)

Electrical maintenance was carried out on the main in-coming board supplying the regrind and common services area and its associated 3.3 KV distribution centres and 415V motor control centres.

The smoke barrier section of the busduct for mills 1 to 8 was also inspected and at the same time BMM cut in a switch board extension in the concentrate pumphouse for the new compressor station.

At the Jaba River, a group of seven Papua New Guinean electricians carried out maintenance on the switch board in the pump station complex.

Operation Crews (crusher)

During the shut down a major clean up programme was scheduled. Also a thorough plant inspection was carried out by crusher supervisors.

(Milling)

Mill operating crews carried out a major clean up and inspection of all plant equipment. The following work was carried out:

- Replaced several flotation cell diffusers.

- Changed valves and inserted spools in the flotation sumps.
- Installed a Venturi flowmeter in the Jaba River pipeline.
- Cleaned out the low pressure Jaba River pump water intake - 2 divers.

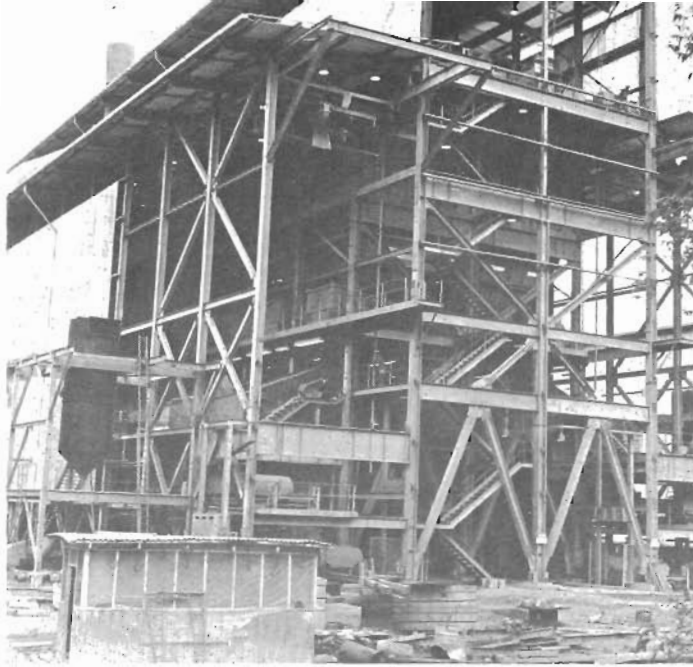
Power distribution crew

Ten sets of flicker blades were fitted to the concentrator 132 KV isolators. Also general maintenance was carried out to the same transformers. The line gang carried out modifications to poles on the 33 K.V. Jaba River line to combat power interruption to the pumps caused by fruit bats. These fruit bats had been landing on the power line conductors and shorting out the poles. This caused circuit breakers in the switch yard to open and interrupt power to the pumps.

The number 9 ball mill is expected to be in operation at the end of June. The port complex shut down on June 5 and 6 because of the cessation of concentrate flow from Panguna.



Above, coarse ore area emptied for feeders maintenance. Opposite page top, view of screen house showing new screens with ancillary equipment. Middle, emptying thickener for inspection and replacement of discharge valves. Bottom, from left, drilling dowel hole in ball mill bearing house; crane operator; installation of conveyor steel work. Far picture, crane delivering equipment to number 18 fine ore tripper conveyor.



Other than the usual vacationers at Buka Passage and Buin, the cavers and volcano enthusiasts at Togarau and the urban majority who merely enjoyed the sun on the Loloho beach, there was a group over the Queens Birthday weekend which did "it's thing" by investigating a Japanese destroyer sunk in 70ft of water off the Kangu Beach, Buin. Listening to Lyle Monk (heavy equipment storeman) describing the dive makes "Mauswara" realise why he sticks to floating on the surface "bik bel" skywards! The divers swam through multitudes of fish, descended to the wreck and even went down into corridors and entered cabins. They had to step ultra carefully to avoid stirring up silt, going through the rotten hull or loosening some of the high explosive probably still aboard. Story and pictures in the next "Concentrates" but it sounds like yet another sport I'll beg to take leave of.....

They tell me Hal George (manager, administration) makes a fine air hostess! During a recent trip on the Merlin III he made coffee on board the aircraft and handed the pilot some. Pilot swore it was the best service he'd had in a long while.....

Picture below shows Anne Blackwell sending a petition of 600 signatures opposing the French nuclear bomb tests in French Polynesia to President Pompidou of France. Copies of the petition were sent to Mr. Whitlam, the Australian Prime Minister, and to "The Guardian" newspaper, England.....



Pat Fox (industrial psychologist) came back with his wife from leave recently and told me he had met the following BCP old timers: Johnno Johnson (former mine foreman) who, having retired, was on a world tour. He was standing in Australia House, London (where else?), wearing a sombre brown suit! Nick Quint (former accommodation officer), now personnel manager for an addressograph/multigraph company in The Hague, Holland; and Barry Spalding (former weeds and seeds) who - wait for it - is assistant entertainment manager for Butlins Holiday Camp at Bognor Regis

IN THE CLOUDS

by mauswara

What eats reefs and can be uncomfortable to stand on? The crown of thorns starfish naturally. Ernie Mitchell (compensation/resettlement officer) tells me he has noticed them in plague proportions on the reef off Loloho. If that is the case then we can kiss goodbye to the reef and to most of the fish that abide there. Picture below shows Ernie showing starfish to Helen Presley (left) and Linda Herrick, both port stenographers.....



A letter came into public relations recently from a gentleman in Madang who wanted to sell a New Guinea shilling to the company. He reasoned that it should have gained a dollar more each year in value and since the coin was minted in 1938 (and not being a very good mathematician), he wanted \$40 for it. Not a bad try, but a shilling isn't worth much more than a shilling even today.....

U.K. Barry will be giving up the world of entertainment later this year when he will be taking a post graduate course at the Brighton Polytechnic.....

And last but not least this week.... what is copper? Answers to the following questions follow this paragraph upside down: What is its chemical symbol? Atomic weight? Specific electrical resistivity at 20°C? It is the basis of what metals?

Cu. 03.6. 1.682 microhms per cm.
Brass, bronze, aluminium bronze, etc.

BCPL STAFF POSITIONS: The company is seeking applications from mature young men already employed on site to fill the following vacancies. Both positions require ambitious men with a minimum Form 4 education and previous clerical experience.

SUPPLY OFFICE SUPERVISOR: The successful applicant will currently hold a certificate or diploma in business administration or its equivalent. Obviously he will require a proven record of success in a similar work situation. It is essential that he have a comprehensive command of both English and Pidgin and is prepared to be responsible for the training and work allocation of the employees within his section.

SENIOR CLERK - ACCOMMODATION: The successful applicant must be able to deal efficiently with both Pidgin and English speaking people in all matters connected with accommodation within the operation. He must be diplomatic as well as a systems man. He must carry out regular inspections of accommodation facilities and keep up to date records of employees and their living areas.

APPLICATIONS should be addressed to Mr. N. R. Stewart - employment supervisor - B37a, Panguna.

WOMENS' CLUB MEETS

On June 8 the BCP Womens' Club held their first family function in the old Camp 2 mess at Panguna. The occasion marked the inauguration of the club as an association of the previous Panguna and Arawa BCP Womens' Clubs. The function was also directed towards raising funds for the club's activities and to farewell Miss Rosemary Wilson who leaves for South on June 21.

Guests of Honour were Mr. & Mrs. D. C. Vernon who were welcomed by committee president Mrs. Rabonnie Voi Voi and vice president Mrs. Maria Ekoda and treasurer Mrs. Lydia Wuia. Also present by invitation were, among others, Mr. & Mrs. W. Brittain, Mr. & Mrs. R. I. Williams, Mr. & Mrs. M. Grant-Cook, Mrs. R. Salter, Fr. G. Fahey, Rev. & Mrs. Battersby, Mr. C. Vulatic and Mr. C. Gordon. Ken Rabura's dance band "Bits and Pieces" played during the evening and provided lively and well appreciated dance music.

Two bus loads of Arawa families and two bus loads of Panguna families attended. The occasional supper was a "bung kai" and all families contributed a dish. The result was superb and thoroughly enjoyed by all those partaking.

The feature of the evening was farewell dances in honour of Miss Wilson, presented by the Tolai and Papuan communities, whose singing and dancing were in traditional customary manner.

WEATHER NEWS

May was a comparatively dry month for the project. Panguna received only 9.96 inches (average for May is 13.13 inches); Arawa received 5.77 inches (average is 8.64 inches) and Loloho received 3.84 inches (average is 11.87 inches). Panguna had nine days without rain, Arawa had 14 and Loloho 17. Half of Arawa's month supply of rain fell on May 4 when 2.86 inches came down; maximum day's rainfall for Panguna was 2.65 inches on the 13th and for Loloho, .86 inches on the 16th.

SPANISH MACKEREL RETURN

The staple of the Bougainville fishing has returned with an impact. Queens Birthday weekend saw the capture of a female mackerel in the 30 pound class by Bob Hope and Barry Hunter. Several other large fish were also dropped. These "Red Hot Mamas" of the mackerel family have returned on their yearly spawning run from the south full of fighting ferocity. Particularly noted for the savage attacks on baits and lures which often culminate in leaps up to 20 feet in to the air, these fish will increase in numbers until they spawn in January.

The current Australian game fishing record for this fish is 78lb, although it is known to grow to over 100lb. Although fish to 50lb are regularly caught in Port Moresby, I have no knowledge of fish over 40lbs being caught on Bougainville in recent years. Barry Hunter's 36 pounder is probably a good indication of bigger fish to come this year.

An interesting note on these fish for people who get about in boats is that when they spawn, both males and females will leap up to 20 feet into the air. It is particularly spectacular when a school of upwards of 2,000 - 3,000 fish are indulging in this unusual mating play. Lures for these fish are just about anything; the speed being governed by the action of the lure.

- DON WOODFORD

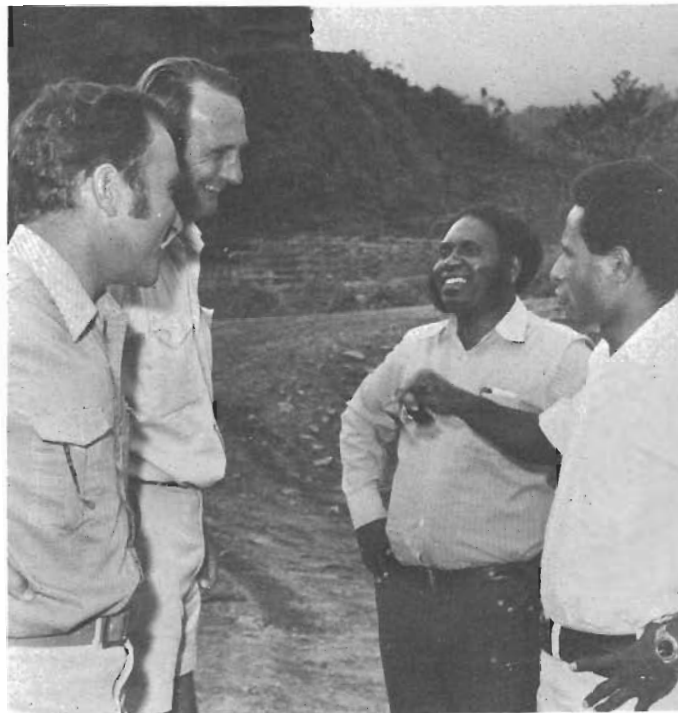
COLUMN THREE

In early June we received some distinguished visitors including Mr. A. D. Campbell, the Australian Minister Designate to the U.N.O.

Also on site were Sir Mark and Lady Turner. Sir Mark is Deputy chairman of RTZ and was involved in the financial negotiations which eventually enabled Bougainville Copper to begin construction of the mine.

Mr. Boyamo Sali, Minister for State and Mr. Leo Morgan, of the Chief Minister's Office, called in briefly on their way to Boku. It was the Minister for State's first visit to Panguna.

Six district commissioners found time during their area conference held at Kieta to visit Panguna.



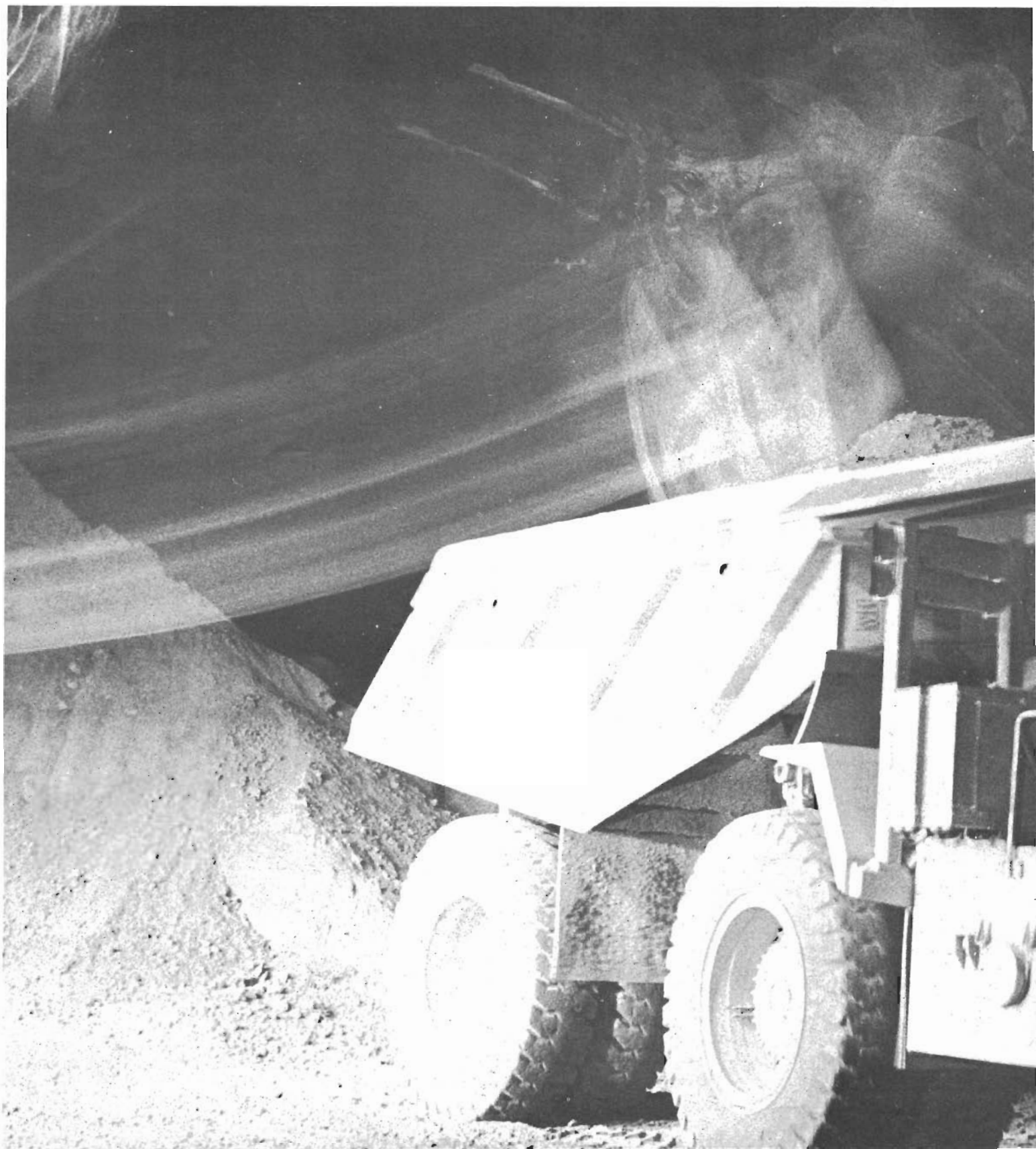
Top, left to right, Sir Mark Turner, deputy chairman of RTZ; Mr. J. D. Erickson, AGM production and community relations; Mr. D. C. Vernon, general manager; and Lady Turner. Above, left to right, Mr. Maurie Pears, training manager; Mr. D. C. Vernon, general manager; Mr. L. Morgan, assistant secretary, Chief Minister's Office; and Mr. B. Sali, Minister for State.

BML ANNOUNCEMENT

The directors of Bougainville Copper announced on June 8 that they support the proposals announced simultaneously by the directors of Bougainville Mining which holds 80% of the issued capital of Bougainville Copper. The text of the announcement made by the directors of Bougainville Mining is as follows:-

"The directors of Bougainville Mining announce that consideration is being given to proposals which will

At night under arc lights the 105 ton trucks receive their load from the 25 ton scoop electric shovels. Brian Wendt caught the flight of the shovel scoop with a three second time exposure on his camera.



enable shareholders to hold shares in Bougainville Copper in substitution for their existing shares in Bougainville Mining.

The major asset of Bougainville Mining is its 80% shareholding in Bougainville Copper and, whilst its formation as a holding company in 1969 was desirable for financing reasons, it is now the opinion of its directors that a separate holding company is no longer required.

Under the proposals being considered shareholders of Bougainville Mining will receive shares in Bougainville Copper in the proportion of Six shares for Five shares currently held in Bougainville Mining.

Shareholders of Bougainville Mining will then hold directly the same interest in Bougainville Copper as they hold indirectly at present through Bougainville Mining and Bougainville Mining will become a wholly-owned subsidiary of Bougainville Copper.

These proposals involve a capital reorganisation of Bougainville Mining and Bougainville Copper to be effected by a Scheme of Arrangement requiring shareholder and court approval. Before the proposals can be put to shareholders the concurrence of a number of other parties will be required.

The implementation of these proposals will result in a closer identification of shareholders of Bougainville Mining with Papua New Guinea where the physical assets and operations of Bougainville Copper are located.

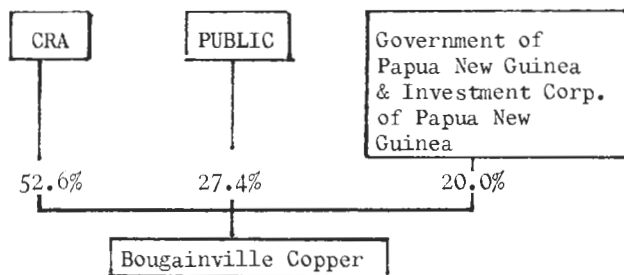
It will also lessen the burden of withholding tax for certain shareholders. Withholding tax will continue to be deducted from dividends payable to shareholders who are not residents of Papua New Guinea. However some shareholders will be able to obtain a credit against their tax liability in their own country of residence. This will include individuals who are resident in Australia and may apply to shareholders resident elsewhere.

As an integral part of the proposals, steps will be taken to liquidate Capital Mines which is the holder of 84.5 of the issued share capital of Bougainville Mining and which is owned as to 66-2/3% by CRA and 33-1/3% by NBHC Holdings. Its shares in Bougainville Mining will be distributed to its shareholders.

CRA and NBHC Holdings are in favour of the proposals and have indicated that if the proposals proceed they will vote in favour of them unless votes representing a majority of the shares in Bougainville Mining held by other shareholders are cast against the proposals.

A separate announcement has been made by the directors of NBHC Holdings that they will be putting proposals to their shareholders for the voluntary liquidation of NBHC Holdings and the distribution of assets in specie to shareholders.

The capital organisation of Bougainville Mining and Bougainville Copper and the proposed liquidation of Capital Mines and NBHC Holdings will greatly simplify the share ownership structure of Bougainville Copper. Assuming that all the proposals by the Directors of Bougainville Mining and NBHC Holdings become effective, the ownership structure of Bougainville Copper will be as follows:



Subject to the concurrence of parties concerned and the approval of the scheme by the relevant courts, it is proposed that Bougainville Copper will be listed on the member exchanges of the Australian Associated Stock Exchanges and the Stock Exchange Association of New Zealand in place of Bougainville Mining.

If the proposals relating to the capital reorganisation of Bougainville Mining and Bougainville Copper proceed formal documents will be sent out to shareholders in due course".

PEOPLE

Below, from left, Carolyn Horn, secretary to transport superintendent; and recently appointed first indigenous leading hands in mechanical workshops are Chris Kalwin at Loloho with his foreman Bob Meithke, and at Panguna light vehicle workshop, John Warpin. Middle, in the central workshop, Jeffrey Chan, graduate mechanical engineer; Alan Bradwell, leading hand; and tools storeman Matthew Lavina. Bottom, in the electrical workshop, Kila Geno, trade assistant, with Ken Hooper, technician/winder; and two refrigerator repairmen Ludwick Lilibur and Louis Oa.



SPORT NEWS

AUSTRALIAN RULES is off the ground in Bougainville for the 1973 season. Eight teams competed in the first round of matches and the way the teams shaped up it would appear that we are in for a very successful season. Due to the availability of playing fields we were forced to commence the season later than anticipated.

After the completion of the first round:-

Concentrator	4
Ess./Serv.	4
Clerks	4
C.F.C.	4
Mining	-
Apprentices	-
P.D.F.	-
Hi-Tech	-

The following is a brief report from Nick Turai - secretary of the Bougainville Amateur Soccer Association.

Shown below is the progress of the matches as played by the teams playing in the Kieta Soccer Association. I would also like to point out that these points indicate the progress of A grade teams as this is the end of the first round of the two rounds for the soccer season. The B grade will be ending their round one in another two weeks.

The committee of the Kieta Soccer Association cordially welcome a new team, "Steel Deck" which will be playing in place of EBS Munak 2 in the B grade (EBS has withdrawn from the association). We also regret that Bechtel 1 and Bechtel 2 has withdrawn due to Bechtel company's contract having expired.

On behalf of the association I would like to thank the BCPL management and the recreation supervisor for their co-operation and assistance for making it possible for our Kieta Soccer squad to play the country championships title at Lae. The team will consist of 15 of whom two are officials and team manager.

All in all I would like to say that the round one season has been very enjoyable and teams taking part are fighting hard for the top position. The standard of soccer is improving.

Ladder after week ending June 3

A Grade		B Grade	
Sindong	19	Talei	19
Fire Brigade	17	Osikaiang	18
Apprentices 2	16	Loloho Power	16
Apprentices 1	14	Police	13
Sunam	13	Barclay 1	13
West New Brit.	12	Momase	13
Highlands	11	Busetoka	12
Rigu	9	Fanthoms	12
Chevu Eng.	9	C.I.B.	11
EBS Mumak	6	Elcom	8
Kavieng	5	West New Brit.	8
Simoro	2	P.D.F.	6
		Barclay 2	4
		Steel Deck	0
		Bechtel 1	7
		Bechtel 2	3

Phillip Sapak got away to the Oceanic elimination BOXING bouts and at going to press nothing has been heard from Noumea. Unfortunately our last boxing night turned out a rather disappointing night for Panguna people as the night was cancelled at Loloho but we at Panguna were not informed. A short general meeting was held with the people present who elected unanimously the steering committee as the new full time committee.

Two more elected to the committee were Gabriel and Ian Ormond.

It is proposed to put on a full night of boxing at the Arawa Country Club and later at the RSL to raise funds for sending a team to Honiara and Rabaul. More details later. The Honiara trip will be in October/November as their season is just over and it doesn't recommence till September. Both trips should be a great experience for the lads lucky enough to win a berth; so into the training.

We are unfortunate to lose our No. 1 trainer - Butch Abraham. Butch has been an inspiration to the lads and has put in long hours at training sessions. All of us will miss him and now Paul Gallo is the man in charge here in Panguna. When the gym is finished training will be much easier to control and with all the equipment available, much easier to get the boys fit.

If there are any expats. with any training experience I would like to hear from them as we need trainers etc. for our boxing squad.

Well the RUGBY rep. team certainly surprised all and sundry at Rabaul over the Queens Birthday weekend. I was one of the lucky ones from here to witness this great game. Both teams were very "toey" at the start, especially our team as this was the first time they had appeared away and before such a large crowd. There were many cases of bad ball fumbling till both teams settled down.

The game was very fast as the conditions were perfect. It was obvious that the Bougainville team was not used to strict referees as we were penalised time after time for infringements; so much so that at half time the penalty count was 13 - 4 in favour of Rabaul. However we scored first which was a great morale booster for the team and at half time scores were 11 - 8 in our favour.

After half time we scored again within a very short time but when Bob Greatehead was taken off, it immediately changed the whole game as without his big frame around Rabaul began to fire and scored two quick tries. However Lou O'Neill soon took charge and settled our lads down and after a magnificent 45 metre run by John Wakambie who put the ball between the posts, Bougainville again rallied and went on to win very well. Final scores 28 - 21.

John Wakambie won the best and fairest prize donated by the Bougainville followers but it must have been a hard decision as we didn't have one player who didn't pull his weight. Lou O'Neill was outstanding in defence, Dikana Boge, Bob Greatehead, Koren Nureo, Pethro Lakao were perhaps the best of the others.

The main thing is we became of age in the Rugby League world and brought home the island's trophy.

(LATEST NEWS: Brief results of national contests. Our soccer team at Lae won one game and lost two. Our basketball team at Goroka won six games and lost three. They lost one game to Goroka by one point, who then advanced to the final. Full details next issue.)

- RON HERRICK

With one round (June 16) remaining before the semi-finals of the three-town TENNIS tournament, Panguna Green, Panguna Blue and Kieta Black are assured of a place in the semis. Either Arawa White or Arawa Yellow take fourth place.

toktok

Josiah Akoitai of Togarau village, Rotokas, gave John Pippin this story:

At a village in what is today a lake near Sisivi village in the Rotokas area lived an old man and his adopted son.

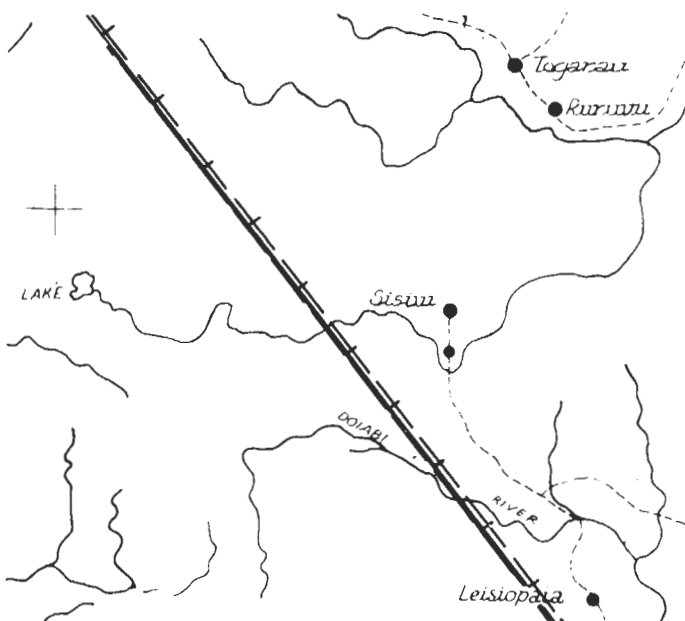
One afternoon the old man sent the boy to the stream to get some water. As the boy was about to fill his bamboo a village woman stepped in and cracked an excuse that her son was very sick in bed and that she must get back without unnecessary delay. Having filled her bamboo she went away. A second woman's trick to the poor boy was that as taros were on the fire she must waste no time lest they be burnt. Again the boy gave way to the lady who filled her bamboos and returned.

After all this the boy returned late to find his old man restless at home. When his son explained what had happened the old man grew worse. He decided to flood the whole village and turn it into a lake.

Next day he sent his son to get some sea water down the coast. The boy journeyed to the coast near Asitavi returning home with the required amount. He then poured the salt water into the holes his father had dug in the ground all round the village. No sooner had the boy finished filling up the holes then the whole village went under flood and, except for the old man with the boy and a woman who happened to be up the hill gardening, the entire population was wiped out.

Seeing no sign of life after the disaster, the woman made for the coast and up the Aita river aiming for Pokoia. However, she was captured and married by a "masalai" spirit before she could reach her destination. She had a child by the masalai and the two became desperate feeding only on bush. But before anything could worsen some Pokoia people came to the rescue of the mother and the son while the masalai was out collecting more bush. He was further scared away by angry roars of the people when he dared make a try to get his family back.

The woman later re-married in Pokoia. Her descendants number half the population of Pokoia village today. They visit the lake near Sisivi called Ruvusaka as their ancestral land. The lake is fished by the Sisivis constantly for eels which are numerous there.



WORLD PRODUCTION OF MINERALS

You might be interested in the following 1970 world mineral production figures, listed in short tons, unless otherwise shown:

Aluminum	12,040,000
Antimony	73,152
Barite	4,220,913
Bauxite	57,972,000
Bismuth	8,918,000 a
Cadmium	35,245,000 b
Copper	6,500,643
Iron Ore	754,299,000
Lead	3,750,826
Manganese Ore	20,389,974
Mercury (flasks)	284,497
Molybdenum	163,648 c
Nickel	865,186
Silver	301,745,000 d
Tin	220,569 a
Zinc	6,060,604

a Excluding U.S.A

b Pounds

c Non-Socialist Countries

d In Troy ounces

FOR SALE

Movie projector, sound, 8mm & Super 8 'Carena', \$180; Dehumidifier, \$115; 7' x 4' table, originated in Old Melbourne Mint, \$75; Set of 30 each Melmac plates, dessert dishes, cups, saucers, including stainless steel cutlery, \$120; Record player 'Thorens' TD35/11 Cartridge Shure M44-S, \$175; Amplifier 'Scott' 100W, \$190; Speakers - 2 'Goodmans' 8 Phm, 35W, \$180 both; Shortwave 'Heathkit' receiver, \$65; Drapes, - ceiling to floor length for 'B' type house;; Sony portable cassette recorder TC-100A and rechargeable battery, microphone, ear plugs, \$60. Ring Grove, Birempa, 959-011.

HOUSE SECURITY

Recent incidents of house breaking and assault have given rise to concern on security both in the home and in public areas.

The police are providing a special effort to counter this problem and householders are requested to assist by notifying any particular incidents of vagrancy or loitering that come to their notice.

House security is of particular concern and householders should leave sufficient lights burning for security and ensure doors are suitably locked. Additional door security can be achieved at householders discretion by installation of simple pad bolts. Window security presents a greater problem particularly in the case of low placed louvres in unlit areas.

The areas of susceptibility vary individually with house design and location. Solutions are largely a matter of individual choice. It is not the intention of the company to turn the houses into cages by indiscriminate wire covering of windows. However, it is recognised that some householders may have particular security problems and wish to make some minor structural modifications to suit their specific circumstances. Such modifications would be acceptable under the conditions of house lease providing prior approval was obtained.

The company's employee Services manager, Mr. L. S. Devereux, has been looking at the problem and the alternatives available. It is recommended that if you have a particular concern that you seek his advice.

GOURMET'S CORNER

Anglo Indian Chicken Curry for 6 persons.

3 - 3½lb young chicken, ½ coconut grated, 2oz butter, 2 medium sized onions, 1 small teaspoon powdered turmeric, 1 small tablespoon grilled coriander, 2 small dried chilis, 1 large pinch powdered ginger, 1 clove garlic, juice of lemon, 2 boiled eggs, 5 - 6 almonds.

Pound the chilis, coriander, garlic, almonds, turmeric and ginger to paste. Slice the onion, and fry to a golden brown in butter. Add the curry paste, fry it for a minute and add chicken cut in pieces. Allow the chicken to brown very lightly and be careful that it does not burn. Pour on enough coconut milk to cover the pieces, season with salt and lemon. Mix well, cover and cook gently for about 20 minutes. When the chicken is done, the sauce should be well reduced. Arrange in a dish, cover with hard boiled eggs cut in quarters and fried onion rings. Serve rice and chappaties at the same time.

Indian Rice:

1 lb rice, 1 medium size onion, peppercorns, 2 grains cardamon, 1 inch cinnamon, 1oz butter, chicken stock, 1 small bay leaf.

Cook rice for a few minutes gently in butter, together with a chopped onion, without allowing to brown. Add peppercorns, cardamon, cinnamon, bay leaf, and salt. Cover with double the amount of chicken stock. Put a lid on and cook in oven for 17 minutes. When the rice is ready, the grains must separate easily. Remove the spices before serving.

Coconut milk:

Grate the coconut and mix it with a cup full of lukewarm water. Cover and allow to stand for 10 minutes. Strain the liquid out through a clean cloth, and repeat twice, until the required amount of coconut milk is ready.

Chappaties:

7oz flour, 1 tablespoon oil, a scant ¼oz yeast, 1 pinch salt. Mix all the ingredients with a little lukewarm water to a batter soft dough. Allow to rest for 4 hours. Roll out dough into very thin rounds about the size of a saucer. Bake both sides on a hot plate until golden brown. Serve the chappaties instead of bread.

- EDDIE MUCHA

COMINGS AND GOINGS

Coming, K. W. Goodwin, drill shift foreman; R. W. Appleton, shovel/drill repair foreman; A. Bintamoi, shift sampling foreman (promoted); D. Palipal, recreation officer; L. Polomon, purchasing clerk.

Leaving, Margaret Gulliver, management stenographer; George Chell, supply foreman; John Busch, local enterprise development officer; Ray Cantrell, metallurgist; R. G. Bennett, clerical officer; Francis Coffey, stenographer, management; Phil Turner, maintenance scheduling supervisor; Terry Pacini, expeditor; D. K. Dunipace, architectural designer; A. J. Wells, graduate engineer; Allan Brown, assistant stevedore; Bob Williams, pit superintendent; C. J. MacNeil, supply officer; I. D. White, truck shift foreman; Dave Mallin, senior technical assistant; Malcolm Calvert, general mechanical supervisor; D. Cowan, despatch centre operator, Russ Salter, technical consultant, K. Berry, supply clerical officer; J. Shapley, agency officer; Mrs. A. G. Shapley, stenographer, M. Kambun, security sub officer.



BCP CHOIR WINS TROPHY

The annual Kieta Choral Festival was held on June 10. Sixteen choirs participated and among the prize winners of the day was the Panguna Munkas Choir (above) made up of Bougainvillean BCP employees of Camp 1, Karoona and Kawerong. They were awarded the best non-student choir prize, the F. A. Gow trophy. Conducting the choir was Dennis Sareke, senior payroll officer.

PANGUNA

Sun. & Tues. June 24 & 26	If	Malcolm McDowell Christine Noonan
Thurs. & Fri. June 28 & 29	Assassination Bureau	Oliver Reed Diana Rigg
Sat. & Mon. June 30 & July 2	Welcome Home Soldier Boy	Joe Don Baker Alan Vint
Sun. & Tues. July 1 & 3	Conquest Of The Planet Of The Apes	Roddy McDowall Don Murray
Thurs. & Fri. July 5 & 6	Kremlin Letter	Bibi Anderson Richard Boone
Sat. & Mon. July 7 & 9	Dust, Sweat, Gunpowder	Gary Grimes Billy Green Bush

ARAWA

Sunday July 1	Seven Minutes	Based on the Irving Wallace Bestseller.
Wednesday July 4	If	Malcolm McDowell Christine Noonan
Friday July 6	The Assassination Bureau	Oliver Reed Diana Rigg
Sunday July 8	Welcome Home Soldier Boy	Joe Don Baker Alan Vint
Wednesday July 11	Kremlin Letter	Bibi Anderson Richard Boone
Friday July 13	Conquest of The Planet Of The Apes	Roddy McDowall Don Murray

Above programmes are subject to alteration as schedules reply on above shows arriving on site.



FINAL TOUCHES

They're putting the finishing touches to the Arawa-Loloho Road. This line marker (owned by Mercury Line Markers of NSW) is putting a dotted line down the middle of the road and straight lines on each side. Glass beads are added to the heat and humidity resistant paint to make it brilliant at night. Later the machine, travelling at 5 m.p.h., will put the finishing touches on the Port Mine Access Road. When the machine is in the middle of the road, you can pass carefully on the left. On some parts of the mountain stretches yellow paint will be used instead of white (this signals a no-passing zone).



Above, operating the line marking vehicle on the Arawa road. Left, pouring glass beads into the hopper. Left, as the sign says, "Keep left".

FOR SALE

1971 Holden ute. \$950 o.n.o. Ring Ted Denko, 4-234.

MAILBOX

Sir, your May 73 issue carried an article on Bruno Kroening which brought back some memories, namely Pard Evans. Pard Evans, during the Pacific War, was assigned to the 3rd Battalion, 164th Infantry, for the trip from Suva, Fiji, to Empress Augusta Bay with the task of giving us information on the flora, fauna, geography and inhabitants of Bougainville.

However, Pard spent most of his time attempting to enlist the entire Battalion for prospecting for gold. We learned very little about B.I. but plenty about where we might find the yellow metal if we would only forget about the war and help him get to it, and then we'd all be right. So, what ever happened to Pard Evans? and was "Evansville", as shown on U.S. Army and Marine maps named by, for, or in honour of, P. Evans?

W. MARK DURLEY JNR.,
California. U.S.A.

CONCENTRATES IS EDITED BY JOHN ECCLES,
JOHN WAKARIA AND JOHN PIPPIN. TEL 5-255.
PHOTOGRAPHERS ARE BRIAN WENDT AND GENA
ILAI. TEL. 5-127