

PS

VOL. 1 — NO. 8



JAN. 1973

NEWS LETTER



Dreams Come True

HAPPY NEW YEAR TO ALL OUR READERS

S.P.C. NEWSLETTER

JAN 1972
VOL 1 — No. 8

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REGULAR CONTRIBUTORS

BERRIMA . . .

R. Greaves — Fishing.
Mrs C.C. Crowe — Gardening.
C. Sonter — Nature Notes.
J. Lewis — Bits and Pieces.

SYDNEY OFFICE:

Miss Lorraine Lucas
Mrs Dana Savovich

MARULAN . . .

E. Cooper.

COLLIERY . . .

M. Thorpe.

PHOTOGRAPHY . . .

C.W. Knowlson.
L. Humphries.
C. Glacken.

EDITOR: C.W. KNOWLSON

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All-correspondence and enquiries to:—
THE EDITOR,
S.P.C. NEWSLETTER,
P.B.S. No. 4, Moss Vale, N.S.W. 2577

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Dreams Come True



PICNIC I C T U R E S



EDITORIAL. . .

We often speak of "new starters" at the office or in the works. Whilst the year is young, we can all be "new starters" in a different sense.

Very few will look back and say, "Well, I couldn't have done better". Mostely, we are acutely conscious of the many times we have failed, it may be in our studies, our homes, our work, or in our personal relationships. But we can be new starters, we can take stock, marshall our forces and try again.

One good thing about starting again is that the past can be wiped out. All we need to remember is what we should avoid. We're starting again, so the page is clean.

For those of us who are older it may be that we need to develop more patience, and seek to understand others, both young and old.

For the employer and employee it may be that closer communication can be established, leading to a far greater understanding of each others problems and trials, and thus a greater harmony in industrial relations.

For the young it may mean a greater determination to succeed. Not to be continually turned aside by ease and pleasure, but to achieve a proper balance between work, study and recreation.

Shane Gould, our young Australian gold medalist, whilst in training arose at 4.30 a.m. her swimming practice commenced before 5 a.m., then after a normal day at school, two more hours of practice, in addition to her school homework. She said in an interview recorded by "alert": "All good swimmers are pretty serious about what they are aiming for, and they realise that drinking and smoking are not good for it". Shane wasn't turned aside, so she brought back the gold medals from the Olympic games.

The "gold medal" for the ordinary person, is the satisfaction of a job well done.

Perhaps you are a new apprentice. If your eyes are fixed on your goal, and you are willing to work and study hard, to make sacrifices if necessary, you too will succeed.

There is one other thing if our success is to be real and lasting. We must take with us the Author of the Season that has just passed, not only into this new year, but throughout our lives.

MORE PRODUCTION RECORDS

Several new records were set during November. They are as follows:

1. No. 5 Kiln Clinker Produced for the Life of a Burning Zone. The new record is 266,600 tons in 218 days, compared with 230,000 tons produced in 227 days in 1969.
2. Best Weeks Cement Grinding. The new record is 13,955 tons ground for the week ending 25th Nov, 1972. 12,597 tons set in the week ending 22nd April, 1972.
3. Best Months Grinding. The new record is 52,146 tons compared with 47,372 tons set in July 1970.
4. Best months Despatches. 50,481 tons were despatched during November compared with the previous best of 47,854 tons despatched in February 1972.

A PERSONAL MESSAGE FROM BILL GALE, WORKS SUPERINTENDENT

Would all employees directly involved in the Production Records established, always keep in mind that the beer bonus which is enjoyed, is only a token of the thanks which the management wish to express, in recognition of the splendid effort that has been put forward.



Berrima Apprentices — 9 years without a lost time accident. Congratulations. Safety pays — keep it up.

CRICKET

S.P.C. started off with hopes of a happy season, but wondering a little just what measure of success might be ours. With the season half over we can record success and a great deal of fun. Out of the first 8 matches we have won 5, drawn 1 and lost 2.

Bowling has been our strength so far, enabling us to dismiss the other teams for totals which our somewhat brittle batting has been able to overtake.

The main wicket takers have been Joe Yardi with 20, Lloyd Veal 14, David Easter 13, Robery Boyd 10, and Geoff Peters 9.

Our batting is now beginning to show signs of improvement, which should in the new year, further increase our chances of success.

The main run makers so far have been Lloyd Veal and Tom Waide, with Bill Gale holding the side together during a few close matches.

Kevin Whalan, Geoff Peters and Joe Yardi have now started to come good; the last two hitting their first ever sixes in recent matches.

Allan Pike is a batsman who so far hasn't clicked anywhere near as well as one would expect, taking into account his natural ability.

Top score for the season has been Lloyd Veal's 52 and Tommy Waide's 51 not out. It is certainly true that Tommy has forgotten more about batting than most of us will ever know, yet he still scores well.

Bill Hutchings is well to the fore with the greatest number of catches, 6. However, the best catches of the year so far, must be shared by the Easter brothers. Stuart in the match against Bundanoon took a diving right handed catch (he's left handed) in slips to end their innings at 74 runs. We eventually made 75! David took a magnificent catch to dismiss the last Robertson-Burrawang batsman just when it looked as though they might have pulled the game out of the fire. He hurtled around the boundary at top speed, realised he had almost overrun the ball, stopped, twisted and took it with both hands fully stretched above his head.

The new year sees the start of the Second Grade Competition and S.P.C. will be keen to do well. However, win or lose, it will be a lot of fun.

NEW LABORATORY AT MARULAN

by John Vis.

With the new rotary lime kiln now under construction at Marulan, extensions to the existing Calcimatic Kiln building became necessary in order to house a new laboratory.

On the first floor the laboratory consists of two rooms, one is for sample preparation, the other is an analytical room. There is also a room downstairs containing a Crusher and a Pulverizer. Both were built by the Marulan apprentices.

The testing done on the lime and hydrate is mostly on quality control, with some tests also being done on raw limestone.



**PAPER ON NO. 5 KILN RESEARCH
PRESENTED AT INTERNATIONAL
CONFERENCE IN PARIS**

Many readers will recognise the equipment shown in the photograph as it was installed at No. 5 Kiln.

It consists of a small computer and data logging system, and was used by Mr. Stapleton of the University of N.S.W. and Mr. W. Gale during his term as Production Superintendent.

The computer calculated the amount of material entering the Kiln burning zone, and then punched the value on a paper tape, at the same time the value of various temperatures, speed and pressures were also punched on tape by the data logger.

These readings were taken every minute for a week, and then taken to the large I.B.M. Computer at the University of N.S.W. There the data was analysed to find relationships between the various readings.

Messrs. Stapleton and Gale then prepared a paper on their findings, which was accepted at an International Conference in Paris. In June this year, Mr. Stapleton who was on sabbatic leave from the University presented the paper in person.

The paper created sufficient interest to be judged as one of the best 10 of 200 papers presented, much to the delight of both authors.

It is planned to conduct more research in the future. In this way, it is hoped that a much clearer picture of just how a cement kiln operates may be obtained.



Above, part of the new Marulan laboratory equipment.
Bottom, left, John Vis at work.

OLD SYDNEY TOWN

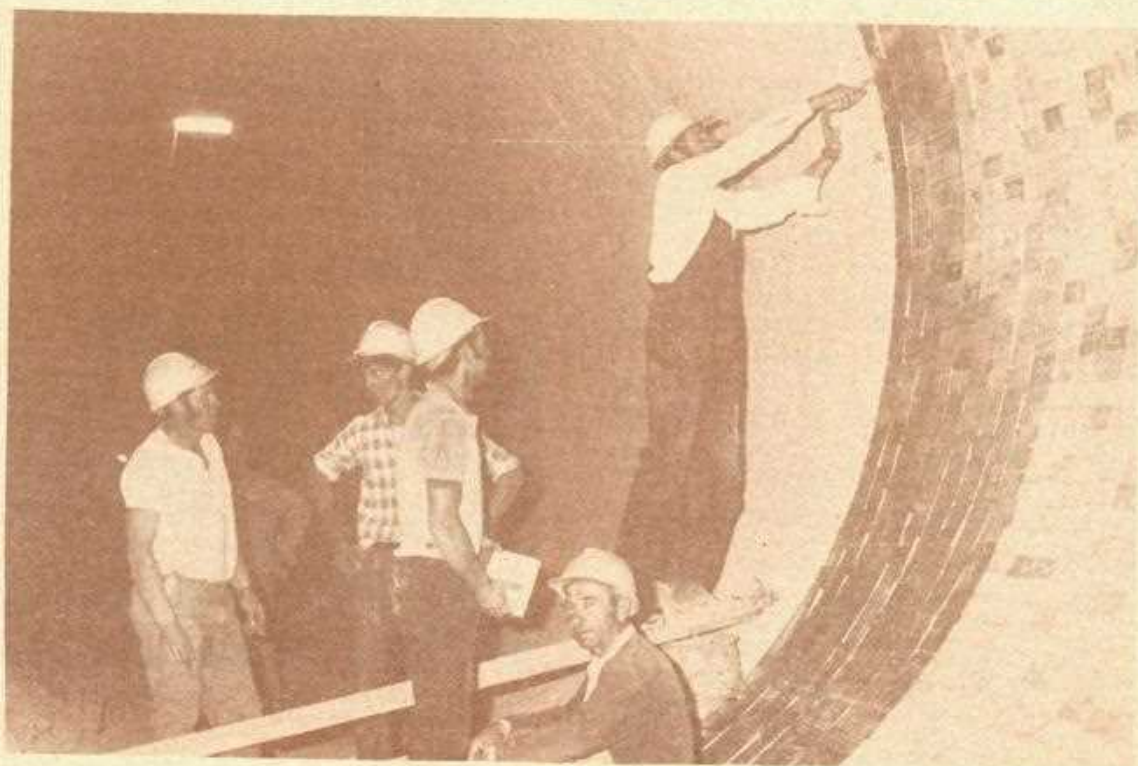
I was interested to read of a new project by architectural and building students from the University of New South Wales, a replica of Sydney town, as it was in 1810. The information came in touring news from the N.R.M.A.

The town is being re-created at Heritage Park, an old orange orchard five miles from Gosford on the Somersby Road.

The first stage of the development, occupying about 100 acres, is expected to cost \$1 million. It will include a dam, representing Sydney Cove, on the shores of which replicas of Government House, Soldiers' huts, the bridge across the Tank Stream, and the Governor's Warf, are being built.

The plan is based on an old survey of Sydney town prepared in 1810, and the first stage should be completed by September 1973, when the park will be opened to visitors.

Mr. Peter Galloway and Miss Robyn Ford of Bowral were engaged on December 9th 1972... Peter is an Electrical Craftsman in the army attached to the Area Workshops Mascot. He is the son of Jim Galloway Apprentice Training Foreman, Berrima. We extend our hearty congratulations!



**NO. 5 KILN OVERHAUL S.P.C.
BERRIMA
\$250,000 SPENT IN 18 DAYS**

This expenditure covered maintenance of equipment, replacement of certain items, and modifications to other parts of the Kiln.

Although records have been set for output from No. 5 Kiln during the year owing to the continually increasing demand for cement the modifications are necessary in order to obtain an even greater output.

During the present overhaul, another \$20,000 is being spent on the electrostatic precipitator (or dust collector) to finalise work that was carried out in March of this year. At that time \$180,000 was spent to improve the performance of the dust collecting equipment.

The Kiln is lined inside, with refractory bricks and \$100,000 has been spent on these alone. These bricks, which are about twice the size of a house brick, cost \$2 each. This of course accounts for a large part of the very high expenditure.

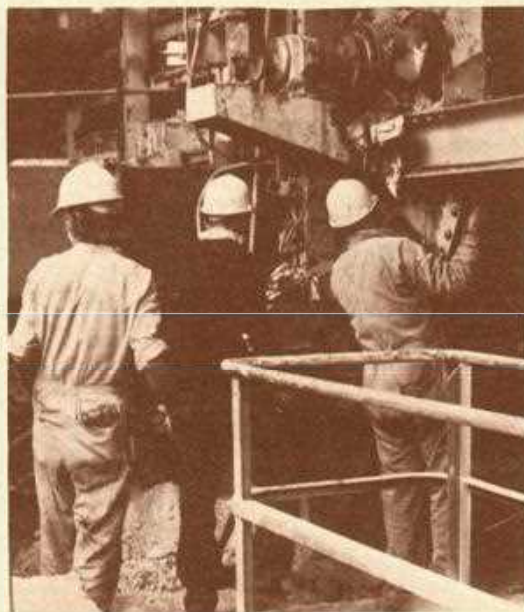
In addition to the modifications aimed at increasing output, particular attention has been paid to troublesome areas in order to reduce the possibility of future breakdowns.

The cement clinker Cooler is one of these. This grate cooler is a complicated piece of equipment subject to extremely arduous operating conditions, and this has been the cause of many stoppages. The money spent on this cooler has been aimed at reducing these stoppages.

Contributing greatly to the cost is the necessity of a great deal of overtime. To help in further speeding up the overhaul, contractors from Sydney, Wollongong and Berrima District have been used.

Planning of the overhaul had to be in great detail in order to allow so many employees and contractors to work on the kiln at one and the same time without getting in each others way. This planning was the responsibility of the Maintenance Department and was based on the plans used during previous overhauls. These plans were developed using a technique called Critical Path Planning.

This method makes use of a computer in order to determine the jobs likely to cause the greatest hold-ups. Necessary allowances can then be made for these particular jobs.



S.P.C. EMPLOYEES ENTERTAINMENT FUND ANNUAL PICNIC

December the 17th turned out a glorious day, sunny, with a gentle breeze to temper the heat.

As usual, the day was well attended, judging by the number of cars it could have been a record.

The barbecue lunch was a huge success, long queues of hungry looking families seemed to be never ending. Bill Hoffman and his helpers were hard at it, and in spite of the heat cheerfully served the seemingly endless stream of "customers". Joe Bizjak and his wife, Jack Douglas, Nik Anikin, and many others were helping. In charge of the ice cream and drinks as usual was Tom Lymbery with his helpers, including Mick Whalan as usual. Although Mick retired last year, he is still full of enthusiasm in his help for the picnic fund, the Committee and all members and friends greatly appreciate his help, and are very happy to see him when the great day comes around each year.

Of course, as far as the younger children were concerned, the highlight of the day was the arrival of Santa Claus. Hundreds of presents were distributed by helpers to the various age groups, and many a little girl or boy, could be seen toddling off with presents as big as themselves.

Mr Rex Williams Assistant General Manager presented the G.M. Trophy to the winners.

As usual a tremendous amount of work went into the picnic by the committee. Brian Betts has recently taken over as president from Bill Strong (of whom you will read more

in a separate article). Kevin Moore is still Treasurer, and Owen Fairbairn, Secretary. Of course there are many other helpers, and to them all we say a big thank you for helping to make the day a huge success.

GENERAL MANAGERS TROPHY

WINNERS OF GENERAL MANAGERS TROPHY.

MARULAN PRODUCTION WITH 9 POINTS.

IT WAS A CLOSE CONTEST
S.P.C. BERRIMA MAINTENANCE
8 POINTS

S.P.C. BERRIMA OFFICE
7 POINTS

MR REX WILLIAMS ASSISTANT GENERAL MANAGER PRESENTED THE TROPHY.

WINNERS IN THE VARIOUS EVENTS WERE AS FOLLOWS:-

FLAT RACES:-

40 yards - 40 years and over - 1st L. Veal.
2nd A. Cooper, 3rd D. Moore.

50 yards - 26 to 39 years - 1st W. May, 2nd J. Kopec, 3rd N. Lancaster.

85 yards - 25 and under - 1st R. McAndrew, 2nd B. Murphy, 3rd Peter Knowles.

RELAY - Winning Team.

N. Lancaster, M. Pirola, L. Veal, L. Lansdown.

TUG-O-WAR - Winning Team.

D. Moore, B. Wright, A. Ducksbury, R. McAndrew.

LADIES RACE

1st Mrs. B. May, 2nd Mrs. B. Dickinson.



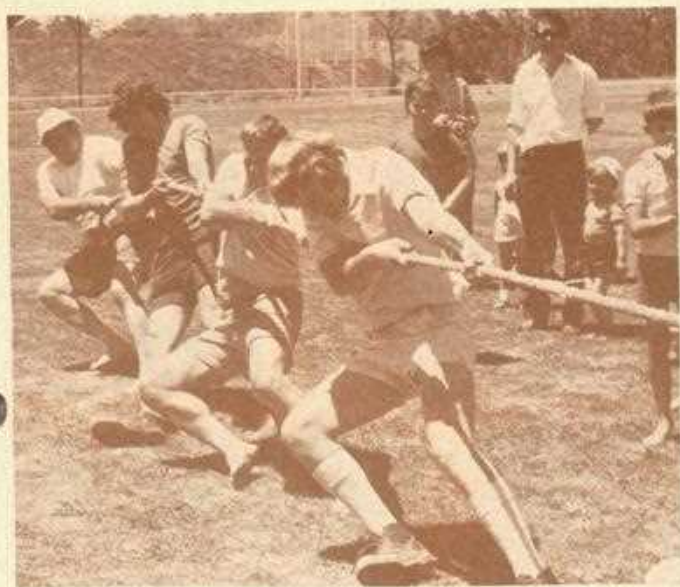
Mr Rex Williams and Mr Don Moore.



Neil Lancaster at the mike, and his son Tim.









S.P.C. PICNIC GROUP CHRISTMAS SPORTS RESULTS

EVENT	1st	2nd
15 Yds. 2 and under 3 — Girls	ALISSA COOPER	NARELLE CHAPLIN
15 Yds. 2 and under 3 — Boys	MICHAEL KOPEC	LINDSAY DICKINSON
25 Yds. 3 and under 4 — Girls	MEGAN COSGROVE	ALLISON PACKETT
25 Yds. 3 and under 4 — Boys	JOHN McCALLUM	DAMIAN STRODE
25 Yds. 4 and under 5 — Girls	SHEREE MAY	
25 Yds. 4 and under 5 — Boys	JOE KOPEC	
50 Yds. 5 and under 7 — Girls	TERESSA MOORE	KAREN TIYCE
50 Yds. 5 and under 7 — Boys	SCOTT BAZLEY	STEPHEN WEST
50 Yds. 7 and under 9 — Girls	TRACY REED	JENNY WILLIAMS
50 Yds. 7 and under 9 — Boys	MARK HOWARD	WAYNE MAY
75 Yds. 9 and under 11 — Girls	JENNY HOWE	LESLIE GUTZKE
75 Yds. 9 and under 11 — Boys	PHILLIP COSGROVE	TONY SMITH
75 Yds. 11 and under 13 — Girls	MARGARET COSGROVE	JENNY TIYCE
75 Yds. 11 and under 13 — Boys	CHRIS WADE	TREVOR CHAPLIN
100 Yds. 13 and under 15 — Girls	ROBYN COSGROVE	GALE MARSDEN
100 Yds. 13 and under 15 — Boys	ROBERT GUTZKE	RAY SMITH
440 Yds. Handicap — Girls	ROBYN COSGROVE	GALE MARSDEN
440 Yds. Handicap — Boys	IAN GUTZKE	RAY SMITH
Wheelbarrow — Under 10	Bruce Liu	Ross Cosgrove
	Chris Wade	Philip Cosgrove
Wheelbarrow — 10 & Under 12	Trevor Chaplin	Daren Tickner
	Frank Natoli	Jim Bizjak
Wheelbarrow — 12 and under 15	Ray Smith	Peter Saker
	John Bizjak	Paul Barcicki
Three Legged — Under 10 Girls & Boys	Jenny Howe	Gail Bazley
	Leslie Madden	Donna Natoli
Three Legged — 10 & under 12	Dragica Zivkovsc	Bruce Liu
	Lee Anne Graham	Chris Wade
Three Legged — 12 & under 15	Peter Saker	Tracy Smith
	Gary Chalker	Gale Marsden
Obstacle Race	Wendy Ryde	Evonne Adams
	Trevor Chaplin	Jeffrey Dickinson
	Margaret Cosgrove	Yvette Marsden
	John Bizjak	Stephen Acton



Mrs D. Hancock, and Bruce Griffiths of Berrima Post visited SPC Berrima recently for a story on No. 5 Kiln.

JUNIORS

AN HISTORIC MESSAGE SCRATCHED ON AN OLD DINNER PLATE!

It is believed that the first white men to land in Australia were sailors from the Dutch ship "Duyfken" (or dove). They thought they were in New Guinea but they were on the west side of Cape York.

Ten years later another Dutchman, Dirck Hartog, explored part of the west coast of Australia in a small ship called "De Eendracht" (Concord). He landed at a spot which is still marked on the map as Dirck Hartog's Island. He wanted to leave some kind of memorial to immortalise himself and the land he had discovered. Looking around, he decided to use his old tin dinner plate! He scratched a message on it and nailed it to a post which he had set up.

This was the message:-
"1616. On the 25th of October arrived here the ship De Eendracht from Amsterdam, chief trader being Gillis Miebais of Liege, Master, Dirck Hartog from Amsterdam. On the 27th of the same month she left again for Bantam. Assistant trader was Jan Stins, mate Pieter Dooke van Bil."

This could be said to be the first document in the literature of Australia.

Eighty years later, in 1697, another Dutchman, William de Vlaming, arrived at this spot. He took down Dirck's notice and put up one of his own, first inscribing Dirck's message and adding his own message recording his landing. The plate was sent to the governor of the East India Company in Holland.

In 1817 a Frenchman called Freycinet landed at the same place, and he carried off the second plate. The two plates were lost and became a legend for many years.

Then in 1902 Dirck's old tin plate was found again among odds and ends in the State Museum of Amsterdam. It is still there, with Dirck's message still deeply scratched upon it.

William de Vlaming's plate was not re-discovered until 1938, when it was unearthed, rusty and crumbling, in a French museum. In 1947, after being sent to the British Museum for preservative treatment, it was presented by France to the people of Australia and now rests in the National Library at Canberra.

DETERMINATION

It was one of those breezy days down on Berrima Plant. Mr. X filled his water tank, he would spray the roads, a heavy shower came on, but the spraying went on too! Mr. X had set out to do a job and he was going to do it, rain or no rain. That's the spirit!



DON'T PANIC — AND LIVE

Part 2

In spite of warnings and precautions, situations will probably continue to develop in which fires threaten houses and trap car travellers. The Forestry and Timber Bureau offers the following advice:

If fire threatens your house — stay there. You will survive peak radiation from the fire even if the house burns down later and you stand a good chance of saving the house as well.

At Longwood, Victoria, in 1965, seven people left a threatened homestead surrounded by green lawns and crashed their car into a tree on the side of a narrow country road. They were burnt to death. Although the impact of the crash was slight the car was left on a very heavy fuel bed and possibly with broken windows. The homestead did not burn down until well after the fire had passed and would not have burnt down at all if only one person had stayed to fight the fire.

At any fire, wear clothing (preferably wool) which covers your body, arms and legs. This will allow you to work more effectively as a firefighter and will provide a radiation shield which might save your life.

Avoid panic by preparing to fight fire around the house. Direct other people to useful jobs such as filling utensils with water, blocking cracks with wet blankets and ensuring windows and doors are tightly closed. Able-bodied people should be keeping watch for spot fires on the outside of the house until the very last minute. People kept occupied don't have time to panic.

Do not drive a motor vehicle blindly through heavy smoke. Switch on headlights and park adjacent to bare areas beside the road — as far away as possible from the leading edge of the fire, or park where roadside grass is shortest.

Wind up the windows and shelter from radiation beneath the dashboard with a rug or some other article (such as a floor mat) covering your body. If the vehicle catches alight you can leave it but keep your skin covered as much as possible.

Remain calm and have confidence that the petrol tank will not explode and that even in the worst situations it will be some minutes before the vehicle catches alight.

In a grass fire the flames will last for 30 seconds or less and the chances of survival are very good. In a high intensity forest fire the flames will last for three to four minutes and your chances of survival are lower but they will be better in a vehicle than in the open.

Survival on foot in a forest fire or a grass-fire is not at all easy—even for experienced persons. The following instructions are of the type given to firefighters who have some knowledge of the forest and forest fires, but do not guarantee survival in every forest fire situation:

Try to move on to bare or burnt ground.

Do not run uphill or away from the fire unless you know a safe refuge is handy

Move across the slope out of the path of the head fire and work your way down-slope towards the back of the fire.

Do not attempt to run through flames unless you can see clearly behind them. This generally means that the flames are less than 5 ft. high and less than 5 to 10 ft. deep at the back or on the flanks of the fire. Lulls in the fire often result in the flames in these parts being low enough to step or run through to the burnt ground beyond.

When conditions become severe use every possible means to protect yourself from radiation. On bare ground cover yourself with dirt or sand if possible or use wheel ruts, depressions, large rocks or logs to give protection. If you stay put you have a fair chance of survival.

Take refuge in ponds, running streams or culverts but avoid elevated water tanks. Water at ground level does not heat up quickly but in elevated water tanks it becomes warm very rapidly. A body immersed in lukewarm water cannot sweat and at a temperature of 115 degrees Fahrenheit a state of collapse will be reached in about three minutes. In 1939 some persons died in Victoria during fires after climbing into elevated water tanks.

Remain calm and do not run blindly from the fire. If you become exhausted you are much more prone to head stroke and you may easily overlook a safe refuge. Consider an alternative course of action.

Behind all these instructions are three basic principles which must be remembered at all times:

Select an area where there is the least amount of combustible material.

Use every means to protect yourself from radiation from the flames.

Remain calm and Don't panic.

by courtesy of National Development Magazine



Mrs C.C. Crowe whose Gardening Notes have many followers.

GARDENING NOTES FOR JANUARY

FLOWERS:

SOW: Aster, Antirrhinum, Aquilegia, Alyssum, Anemone, Bellis perennis, Calendula, Canterbury Bells, Carnation, Cosmos, Foxglove, Dianthus, Gaillardia, Iceland Poppy, Pansy, Polyanthus, Primula, Primrose, Salpiglossis, Stock, Sweet Pea, Viola, Wallflower.

PLANT: Agerantum, Antirrhinum, Aster, Carnation, Dianthus, Petunia, Salvia, Stock, Wallflower.

VEGETABLES:

SOW: Beetroot, Beans, Carrot, Parsnip, Peas, Parsley, Spinach, Silver Beet, Sweet Corn, Swede Turnip, White Turnip, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Celery, Cucumbers, Squash, Pumpkin, Rock Melon, Endive, Lettuce, Mustard, Radish.

PLANT: Lettuce, Tomato, Cabbage, Cauliflower.

Looking back over 1972, we had two very cool, but humid months in January and February, when there was an enormous amount of growth and a great deal of trouble with fungous diseases. The Autumn was warm and pleasant and the Winter months again dry, but not as cold as usual.

Spring rains came a little late but pastures and growth generally rushed ahead, and

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whilst temperatures fluctuated rapidly, trees, shrubs and grass were green and ornamentals flowered profusely. December has been dry and very hot and we are now looking forward to rain again, as the yearly rain fall is well down.

Keep the garden watered, particularly in areas under the shelter of trees, where everything is dry. Water in the evenings now". Remove dead flowers from Roses and Dahlias, to keep them blooming. Remove seed-heads from the Rhododendrons. A quick bend is all that is necessary, as these break off very readily.

Spray fruit trees with "Rogor 40" to control Fruit Fly and burn, or bury deeply, any fallen fruit.

Spray aphids on roses immediately they are seen and spray Cherry, Plum, Pear and Hawthorn trees with "Bug-geta" to control Cherry and Pear Slug which is very active at present.

Watch for new varieties of flowers and vegetables in the new year and plant one or two of our native trees and shrubs to attract and shelter our birds. Native plants are fast disappearing as new areas are cleared.

Good Wishes to All for Lots of Happy Gardening during 1973!!!!!!

OUR LOCO MEN AND THEIR WORK PART 2

Jack Dickson, loco driver comes next on the list. His shunter is Charlie Randall. Jack came from Chatswood, where he spent his early life. His father was a baker in the district, and Jack finished his schooling in Moss Vale. His first job was on the land, and also as a "Milko". He joined S.P.C. in 1939.

Sometime later Jack bought the Berrima Milk Run and remained in the milk business for 10 years, with a break of three years in the army. Rejoining S.P.C. he served as fireman on one of the old steam locos, No. 2417. Soon Jack passed his exams and became a driver.

He has been driving for 18 years, various classes have passed through his hands, namely numbers 24, 25, 32, 50 and 55. He also drove one of the steam trains on a historical society visit.

Then came the change to diesel locos in 1967, and of course, new training and tests. Jack and Charlie are one of three loco teams at Berrima.

Mr. & Mrs. Dickson are no doubt proud of their three sons. Ian, the eldest is employed in the E.D.P. Department and Brian is an electrical apprentice, both at S.P.C. Berrima. The third son, Grahame is in first year at Moss Vale High.

Jack is an excellent tennis player and has his own court at New Berrima, but these days he prefers golf. He was a member of the S.P.C. Hockey team for two years and played goal when S.P.C. won the premiership.

Anyone passing his place has only to look to realize that his real hobby is his vegetable garden.

Top left: Charlie Randall and Jack Dickson. Left and top right: Views on the Berrima Junction line.



FISHY TALES

It's nice to meet a number of workmates and ex workmates at the Annual Social. Saw Ern Radnidge, back from his Northern Caravan trip.

He was very happy with the fishing. Thought that the far north coast of N.S.W. and the south coast of Queensland was the best. As he worked his way up to Cairns he thought the fishing was not as good. He landed some nice Bream and I think he is planning his next trip already!

A couple of Moss Vale fishermen have been taking large bags (around the 100 mark) of Blackfish boating the Shoalhaven River. Squirt worms were used for bottom fishing. It's remarkable how these particular fish bite. I recollect that at Crescent Head recently they would bite well on certain weed, with float, during daylight. However at night it was a completely different story. Using nippers with a minimum of lead sinker on the bottom, one couldn't hold them off. Don't forget to bleed the fish as soon as caught. Of course, if you are keeping them alive in a bag or net they need not be killed immediately. I prefer to skin and fillet the fish — much better flavour.

Col Ready fished some nice Bream and Flathead at the Canal near the sunken wall.

Jack Brown "gave it a go", but the weather deteriorated so quickly he packed up. I notice an inflatable boat advertised very cheaply. I have often been tempted to invest in one of these. However, it would just be my luck to have a big one tow me out to the oyster bank at the Sunken Wall!

Hope you got a 7½" fibreglass ros with a 9lb line with a small egg beater reel for Xmas!



OBITUARY

On Monday Dec. 4th 1972 Cyril Munday was laid to rest in the cemetery at Old Berrima. To us all at S.P.C. it seemed to come so suddenly, and far too soon. But his time had come. Cyril was well known and well liked by all with whom he came into contact.

He left Reading, England at the age of 16 years. After reaching Australia with one pound sterling in his pocket, he eventually found work on a farm at Marulan. His next job was driving a limestone truck for the father of Col Pickering of Marulan Quarry. Transferring to Berrima, he stayed for three years at the works, and then became chauffer for the then secretary of the Maldon cement works. A few years later found him back at S.P.C. Berrima truck driving. For the last few years he worked in and around the General office, and was well known to all the office staff. His garden in the beautiful village of Berrima where he lived, was always well tended, and always there were flowers. He often brought flowers into the office. All at S.P.C. join in extending their deepest sympathy to Mrs. Munday and remaining members of the family.

WAGES EMPLOYEES RETIREMENT FUND

By Mr. Tom Bourne, Staff Clerk, General Office, Berrima.

OBJECTIVES OF THE FUND

To give lump sum benefits:-

(a) **To Members**

- (1) On Retirement at age of 60 or over
- (2) On breakdown of health or accident, causing total and permanent incapacity.

(b) **To the Dependants of Members**

On death of the member if this happens before his retirement.

ELIGIBILITY

You may apply for membership if:-

- (1) You have had at least one year's continuous service.
- (2) You are not less than 20 years of age
- (3) Have not passed your 55th birthday.

HOW TO JOIN

You must fill in an application form and also produce proof of your birthdate, usually by a Birth Certificate, but if this cannot be obtained, other documentary evidence may be accepted.

CONTRIBUTIONS

Maximum and minimum rates of contribution are prescribed for each age of entry to the Fund and you are free to nominate any rate of contribution within these limits.

Contributions are deducted regularly from your wages and paid into the Fund.

Contributions to the fund are an allowable tax deduction from your gross income when you prepare your taxation return.

WHAT DOES THE COMPANY CONTRIBUTE

The Company pays into the Fund for your benefit 1½ times the amount you contribute. For example, if you pay \$1 per week, the Company pays \$1.50 additionally on your behalf.

Details of the Fund listed above are of necessity limited by lack of space, but more detailed information can be obtained from Mr. Reg Larsen and Mr. Tom Bourne at Berrima, or from Mr. Alan Gutzke and Mr. Ashley Cooper at Marulan.

To illustrate benefits of the Fund, the following examples of claims paid by the Fund are shown below.

BREAKDOWN OF HEALTH CAUSING TOTAL AND PERMANENT INCAPACITY

Joined Fund	7th November 1965 at 36 years of age.
Total Incapacity	28th July 1972 at 42 years of age.
Members Contributions	\$404.84
Company's Contributions	\$607.26
Income	\$264.08
Addition paid by Fund to make up guaranteed amount	<u>\$3,233.82</u>
Total amount paid	<u>\$4,510.00</u>

2. DEATH OF CONTRIBUTOR

Joined Fund	7th November 1965 at 33 years of age.
Deceased	19th May 1972 at 39 years of age.
Member's contributions	\$183.80
Company's contributions	\$275.70
Income	\$113.41
Addition paid by Fund to make up guaranteed amount—	<u>\$4,432.09</u>
Total amount paid	<u>\$5,005.00</u>

3. NORMAL RETIREMENT

Joined Fund	7th November 1965 at 58 years of age.
Retired	2nd June 1972 at 65 years of age.
Members contributions	\$697.40
Income on Member's Contributions	\$184.74
Company's contributions	\$1,046.10
Income on Company's contributions	<u>\$277.11</u>
Total amount paid	<u>\$2,205.35</u>

NOTE: When the fund was introduced employees who were over the age of 55 were given the opportunity to join.

4. RESIGNATION

Joined Fund	7th November 1965 at 49 years of age.
Resigned	19th October 1972 at 56 years of age.
Member's contributions	\$707.20
Interest	<u>\$107.44</u>
Total amount paid	<u>\$814.64</u>



BILL STRONG

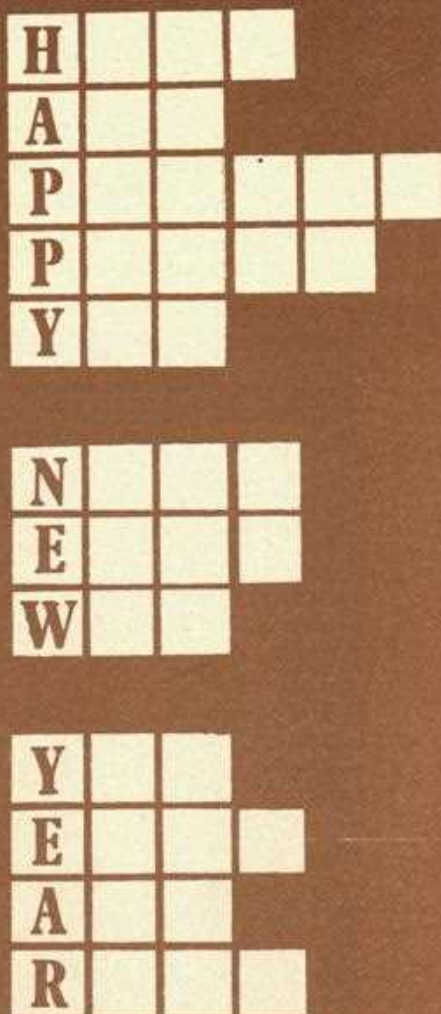
Bill Strong, President of S.P.C. Picnic Fund for ten years recently decided to step down. Bill was one of the main instigators in the building of the now famous train, and Merry-go-round. He was always a hard worker and his services will be greatly missed. All hope that he will continue to assist the committee in some measure.

It is hoped to arrange a presentation to Bill as a small token of recognition for his long and valuable service.

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NEW YEAR RYTEWORDS, No. 15

1st Prize — \$8, also Consolation prizes of \$1

1. No place like
2. In a talent show, this of a person won't affect the decision.
3. A security force.
4. A sticky substance.
5. Opposite to no.
6. Organ for smelling.
7. Tasty if cooked properly.
8. May alter the appearance of a person.
9. Japan's currency.
10. Level
11. A lengthy period.
12. Has caused many people to be imprisoned.



MORE PICNIC PICTURES NEXT MONTH

ps .

BERRIMA MARULAN



MEDWAY SYDNEY

SOUTHERN PORTLAND CEMENT LTD.

— NEWSLETTER —

VOL. 1 — No. 9

FEBRUARY, 1973.



NEW APPRENTICES:

Back Row L. to R.: Robert Dawkins, Chris Cooper, Ian Gutzky,
Graham McGuigan, John Studdert, Robert Myers, John Bath.

Front Row: Don Ray, Stephen Bradley, Bernard Croese, Greg
Mackey, Jack Hebblewhite, Keith Knox.

S.P.C. NEWSLETTER

FEBRUARY, 1973.

VOL. 1 — No. 9

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200 Day Safety Flag. |
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| 11 | Children and Car Safety.
Obituary. | | Cover Christmas Rytewords result. |

REGULAR CONTRIBUTORS

BERRIMA . . .
R. Greaves — Fishing.
Mrs. C. C. Crowe — Gardening.
C. Sonter — Nature Notes.
J. Lewis — Bits and Pieces.

SYDNEY OFFICE . . .
Miss Lorraine Lucas.
Mrs. Dana Savovich.

MARULAN . . .
W. McCallum.
E. Cooper.

COLLIERY . . .
M. Thorpe.

PHOTOGRAPHY . . .
C. W. Knowlson.
L. Humphries.
C. Glacken.

EDITOR: C. W. KNOWLSON

Produced monthly by:
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PRINTERS . . .

"Berrima District Post", Moss Vale.

—oOo—

All correspondence and enquiries to —
THE EDITOR,
S.P.C. NEWSLETTER,
P.B.S. No. 4, Moss Vale, N.S.W. 2577.

COPY DEADLINE . . .

28th of the month prior to the month
of issue.

EDITORIAL

Around the year 1900 Industrial Safety was measured by the number of people killed each year. An improvement in the safety record meant fewer dead. Over the years the importance of safe working has been increasingly recognised and today death on the job is increasingly rare. However, an injury can also be a disaster. We need health and strength and the use of all our faculties in order to provide home, food, clothes, and recreation for the family. If a serious injury occurs it can alter the whole course of our lives, and that of our dependents. How important then is this matter of safe working.

It is true that some employers still look upon Workers Compensation Insurances as their safety programme, if anything happens, then there will be compensation, but this does nothing to prevent accidents, and cannot prevent many of the consequences that always follow serious accidents.

S.P.C. is a leader in its Safety Programme but no programme, however good it may be, will be effective unless it is implemented by the full co-operation of management and every employee.

Some safety rules may appear to be unnecessary, or perhaps even foolish, but there is a good reason for every safety rule, from actual experience.

Do we wish to continue throughout this year in full health and strength, providing, paying our way and enjoying life? Then let us take care, always following safe working practices both at work, at home and on the roads. Let's make this another year of SAFETY EVERYWHERE ALL THE TIME.



SPC EMPLOYEES' WELFARE, SICK AND ACCIDENT FUND

WHAT IS IT?

It is a fund to provide some financial help in times of sickness, accident or death.

WHAT IS THE CONTRIBUTION?

Thirty cents per week deducted from your wages.

IS THERE ANY WAITING TIME BEFORE ONE QUALIFIES FOR BENEFIT?

Yes, after first joining there is a qualifying period of 28 days and from the date of qualifying there are 5 waiting days in each 12 months. These must be working days.

The starting date of each 12 months after that is the same date each subsequent year, as that on which you first qualified.

WOULD YOU EXPLAIN THIS FURTHER?

Supposing the qualifying date was February 15th, on any date after this if you became sick, you would be entitled to benefit after the 5 waiting days.

WHAT IS THE BENEFIT?

Four dollars per day. This is usually paid weekly, that is, Twenty Dollars per week.

IS A MEDICAL CERTIFICATE NECESSARY?

Yes. A medical certificate must be produced when a claim for benefit is made.

HOW LONG DO THE PAYMENTS CONTINUE, SAY IN THE CASE OF A LONG ILLNESS?

The payments continue for 13 weeks. At the end of that time the Fund Committee considers the case, and if the member is still in need, payments continue. In extreme cases welfare payments follow.

WHAT HAPPENS ON THE DEATH OF A MEMBER?

A funeral benefit of \$300 is paid to the most appropriate dependent.

HOW CAN I JOIN?

At Berrima plant, call and see the Welfare Officer in the Apprentice Foreman's Office situated in the Machine Shop. At Marulan, Mr. Ashley Cooper will help. At the Colliery, see Max Thorpe.

PERSONAL —

A BABY DAUGHTER FOR ALICE AND BRUCE

On January 1st, 1973 Mrs. Alice Stanford gave birth to a baby daughter. Baby will be named Deborah Louise. Alice is the daughter of Mr. & Mrs. E. Boyd, who will now have three grand-daughters and one grandson. To Alice and Bruce our congratulations.

SHORT, SHORT STORY

In the long long ago the girlfriend of the King, seeking to better the lot of the serfs and vassals by making them decently humble, asked the king to give each subject a yard of sackcloth. The girlfriend had a cold and the king thought she said "yard of sackcloth" and issued a proclamation to that effect.

When asked by the chancellor what a "yard" was, the king, not wishing to show his ignorance, pointed with his outstretched finger saying "From ear to here".

From that day on, whenever merchants wished to sell cloth they called on the king to measure the cloth against his arm, until the king spent three hours a day as a measure.

As bikinis became more popular, it became necessary to divide each yard into three and the king found that the yard was equal to three times the length of his foot. In time the king found such difficulty in pacing out on his own arm that he agreed merchants should use their own feet, but this hurt and he allowed merchants to use their own arms to measure a yard.

Now it was soon found that tall merchants went bankrupt and short men were making enormous profits. Gorillas, having very long arms, were the first to go broke, and nowadays you never see a gorilla cloth merchant.

The tall merchants went to the king complaining about unfair trade practice and the king thought about it. At last his advisors told him that the correct measure was the metre which makes everyone's arms the same length and can be divided decimally. The king remained undivided, but tall men became cloth merchants and gardeners stuck to their yards.

NATURE NOTES

—Chris Sonter

A MEMORIAL TO THE LYREBIRD AND KOALA

Between the Great Southern Railway and the busy Hume Highway, and in the centre of the tiny township of Bargo, is a small sandstone memorial that has been erected by the towns-people of Bargo to commemorate the first sighting of the Superb Lyrebird (*Menura novaehollandiae*) and the Koala (*Phascolarctos ciereus*).

As you sit beneath the shady trees or picnic at the tables nearby it becomes easy to forget that both the Lyrebird and the Koala once enjoyed the freedom of a far greater area than they do now, even more than that, is the fact that both creatures were almost completely exterminated for the fur and feather industry.

As popular as they may be today, there would be very few Australians who could actually make claim to having seen or studied these animals in their natural environment, however, with more areas being set aside as National Parks, and more Koalas (in particular) being released in these areas, it is hoped that once again they will roam freely in vast tracts of wilderness as they did so long ago.

The following is the inscription that is engraved on the plaque in this stone memorial.

"This memorial has been erected to commemorate the discovery of the Lyrebird and the Koala. The first record of these famous Australians having been made in the present town of Bargo, 26th January, 1798.

It also commemorates the bi-centenary held on Possession Island on 22nd August, 1778 when Captain Cook established the British claim to Eastern Australia.

The memorial was unveiled by Alec. H. Chisholm, O.B.E., F.R.A.H.S., who was responsible for revealing the date and place associated with the first recording of the Lyrebird and the Koala. He has shown that the Lyrebird (first termed pheasant) and the Koala (Aboriginal name — Cullawine) were made known through John Wilson an ex-convict and John Price, a youthful servant of Governor John Hunter.

Acting on the Governor's instructions and on foot over difficult country, these adventurers became the first white men to explore the Southern Tableland from the Nepean to the Wingecarribee and Wollondilly Rivers."

BARGO PROGRESS ASSOCIATION

22nd AUGUST, 1970.

R. H. Webster - President.

Alex P. Cook - Secretary.



LOCO MEN

Mr. Owen Ashcroft, Station Master at Berrima Junction, is a busy man. Pay a visit to his office and signal cabin combined, and you will soon realise something of the great responsibility which rests on his shoulders. In addition to the incoming, outgoing and main line traffic, he is responsible for staff control and safe working.

Mr. W. Morphet is Assistant Station Master relieving, and is responsible for safe working and despatch of cement on the afternoon to midnight shift. He has been at Berrima Junction for two years, and with the N.S.W. Railways for 10 years; seven of which he has served as A.S.M.

Mr. Len Foster has handled all clerical work at the Junction for 27 year. In this time he has seen revenue grow from a few hundred to many thousands of dollars each month.





Above — Mr. Joe Lewis at the controls. Joe was with S.P.C. for 17 years. He left in late December. He is now proprietor of the "Pepper and Salt" Licensed Restaurant, Main Road, Noosa Heads, Queensland. Call and see him when you are passing.

Below — Stephen Sutton, shunter for J. Lewis at the time these photos were taken. He is seen ringing the junction for instructions.



Above — Joe Mortimer the oldest of the Fettleers and Albert Quail, Rail Foreman.

Below — A. Quail, J. Mortimer, Bernie Simmons, John Harrigan, J. Richardson and Claus Bjarnos. The Berrima Fettleers. At the time this picture was taken spraying was in progress. Albert Quail explained the necessity for this. Grass and weeds on the rails cause wheels to slip, and this can burn out traction motors. More about the fettleers next month.



SPECIAL CEMENTS

We have seen in a previous article how Portland cement came to get its name, from its similarity in colour to Portland stone in England. All over the world today there are plants manufacturing Portland cement.

Actually the name "Portland" has come to denote a type of cement, made from materials containing carbonate of lime and materials containing clay by a process such as we have described. By varying the proportions of limestone and shale, by grinding the clinker finer or coarser, and by mixing it with other materials, we can, in fact, produce a whole range of Portland cements which differ in their properties.

Thus, by using specially pure limestones or chalk we can produce a white Portland cement and by mixing pigments with this we can produce coloured cements. By adjusting the chemical composition we can produce a cement which will gain strength more rapidly than usual, a high early strength cement or one which will give off less heat as it reacts with water, a low heat cement. We can also produce cements which are specially resistant to some forms of chemical attack, for example a sulphate resistant cement.

Portland cements may be blended with other materials also to produce special cements. Thus in some countries they are ground with granulated blast furnace slag to produce Portland blast furnace slag cements. In other cases they are blended with finely divided siliceous materials (materials containing sand) which will react with lime — known as pozzolans from the volcanic ash used by the Romans for this purpose — to produce Portland-pozzolan cements.

All these cements have their own special characteristics which fit them for particular applications but chemists throughout the world are constantly seeking to improve them still further and to extend their range of uses. In large and well equipped laboratories throughout the world, including those of the C.S.I.R.O. in Australia, research workers are making use of all the techniques available to modern science, x-rays, electron microscopes, sensitive devices to measure the heat liberated during chemical reactions, to examine and explore the very complex

chemical reactions which take place in the kiln and when the cement combines with water.

In laboratories and on construction sites engineers are experimenting with concrete to learn more about the way in which it behaves. The rapid advances which have taken place in both cement and concrete technology during the past few decades have thus paralleled one another and led to a rapid growth in the use of these materials. There are many, in fact, who believe that these advances, significant though they have been, have but paved the way for still greater progress in the future.

Regarding the types of cement being produced at present at our Berrima plant, Mr. Rus Greaves, Assistant Works Chemist, gave me the following information.

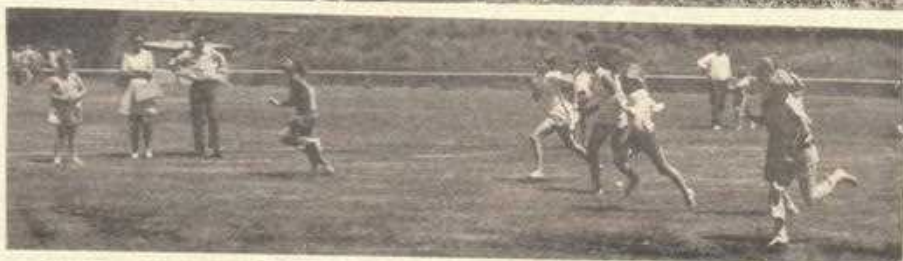
TYPE A: is generally referred to as ordinary cement. It includes all cements for normal constructional purposes. There are, however, some sub types in this group including cements for special purposes.

TYPE B: covers the cements which reach a high strength in a short time. This is generally referred to as 'H.E.S.' or high early strength cement. This kind is used for convenience when the concrete is needed for early use, perhaps for a driveway into a busy city street or a foundation for machinery which must be set up in a short space of time.

TYPE C: cement which develops its strength more slowly than the other groups. The highly active ingredients are replaced by compounds which do not react so rapidly. This in turn reduces the heat of setting. It is generally referred to as Low Heat Cement which actually means low heat of setting cement. Low heat cement is used in huge structures such as dams. If ordinary cement was used and poured in large blocks, it would generate so much heat that a kind of explosion would result, disrupting the block. Heat vaporises and would have to get out. Low heat cement sets without generating so much heat, and can be poured in large sections. Ordinary cement has a Silica (sand) content of 19% whereas Low Heat has 24% silica content, thus helping to create, though more slowly, a highly durable structure.

MORE PICNIC PICTURES









CHILDREN AND CAR SAFETY

Children should not be left unattended in a car whilst the parent goes shopping. They can release the hand brake and if the car is on a slight slope a serious accident may occur.

Do not leave children or pets in a car in the hot sun and the windows closed. They can either suffer heatstroke or carbon monoxide poisoning if there is a leak in the car.

Children can easily learn to roll down windows and can easily fall out of the car.

If a window is sufficiently wide open, pets can also jump out and if they are on a leash, they may choke to death.

Don't leave pills or other medicines in the cubby holes or glove box.

Young children may mistake them for sweets or soft drinks.

Don't leave matches in the car — children will be bound to play with them with possible disastrous consequences.

Don't leave tools in the car where children can get at them and play with them.

Don't leave aerosol cans in the car exposed to hot sun or heat. The gas will expand with the heat and will cause the container to explode like a bomb. Carbonated drinks can act similarly.

Keep the glove compartment lid closed when driving or else in case of a sudden stop, the rim of the lid may cause a serious accident.

Take similar care with sun shields to ensure the edge does not protrude.

Do not allow a child to stand with its face pressed to the windscreen. A sudden braking may force the child's head through the windscreen.

Do not fasten the safety belt around yourself and a child on your lap. It is especially dangerous if the belt encircles the child's stomach. Rather keep the child in its cot in the back with the cot wedged between the back of the car and the front seat; or use a proper child's safety equipment.

Do not carry petrol in the car if it can be avoided. If it has to be carried, make sure it is for as short a distance as possible; check it is in a proper container (a correct safety canister can be obtained); do not carry spare petrol in the boot but on the back seat with all the windows open and

away from sun and heat. Don't smoke while carrying spare petrol.

It is wiser in summer not to fill the petrol tank right up. Heat will expand the gas and any contact with heat in any shape or form may cause it to explode.

Make sure you car doors are REALLY LOCKED.

Wear your safety belts—even on a short journey. Special car safety seats are available for little ones, and children's safety harness for those a little older.

Carry a fire extinguisher securely fastened to the car but not in the boot; nor should the canister be exposed to sunlight or heat.

(By courtesy of N.D.S.A. Transvaal, S. Africa.) With acknowledgements to Australian Family Safety.

OBITUARY

We extend our condolences to Mr. Hec Johnston of Marulan Quarry and to his wife, on the death of their son Ian due to a car accident, also to his brother Allan who is Production Foreman at the Quarry.

Our deepest sympathy to the wife, family and friends of Dick Perrin who recently lost his life in a colliery accident.

Dick worked at our Medway Colliery before its mechanization, and also at Marulan Quarry. All who knew him join in extending their condolences.

Mr. R. Croese, Shift Foreman who has been with S.P.C. for 24 years recently lost his mother. She had reached the good age of 77. Her husband Bill, worked at the Berrima Plant for many years until his retirement. All who know the family extend their heartfelt sympathy to the bereaved.

Another sad loss is that of the mother of Mrs. Cliff Shepherd of Marulan. Mrs. McWhirter. The funeral took place on 15th January, 1973. It is with deepest sympathy that this bereavement is recorded.



PART OF RECLINING BHUDDA

SINGAPORE TRIP

AS TOLD BY MR. & MRS. WRIGHTSON

Continued from last month

The Tiger Balm Garden was built by the Chinese multi-millionaire who made his huge fortune from Tiger-Balm ointment. A great deal of his fortune must have been spent on the garden. It is full of statues, all made from coloured cement and very life-like. They seek to illustrate some of the history of the Chinese, especially, it would seem, persecutions during the Ming dynasty. There is a huge monument to the memory of the creator of Tiger-Balm Gardens. On the top is his photograph, very large, there is also one of his wife, which is, of course much smaller.

There are many beautiful parks, Bukit-timah nature park is one of these, you can drive through it, there are many coconut palms.

In the city itself, most of the buildings, stores, hotels, and motels are air-conditioned, almost all the hotels have swimming pools.

Our travellers spent two weeks in Penang, an island about 500 miles north of Singapore. It is a beautiful place, with scenic coastal drives. There are many wonderful

old Chinese homes owned by wealthy Chinese.

Pop and his wife hired a Mercedes-Benz, which was air-conditioned, and drove around the island. Many temples were visited, in one of them was the reclining Buddha. The Snake Temple was also visited, we can get some idea of these from the photographs. Some Chinese are cremated, a photograph is put in each of the little boxes containing the ashes, and the boxes are put in the temple. In the temple of the reclining Buddha there were 18 other idols which the Chinese also worship.

In the Botanical gardens monkeys were everywhere, they were very good at peeling bananas and shelling peanuts.

Among many other interesting sights, was a rubber plantation, rice paddies, yaks pulling carts, women mixing cement, and old Indian Shepherds.

An 80 mile trip into Malaysia gave the opportunity of seeing the Johore palace, where the Japanese had their headquarters during the war, driving about 30 miles through a rubber plantation, and also a fishing village built on stilts called Kukup.

The party left Singapore on the 5th August, by air, at 9.45 a.m. arriving Brisbane at 7.00 p.m. A wonderful experience was over.



TYPICAL NATIVE HOME, PENANG

“METRIC QUOTES”

The metric system can hardly be called French or foreign if about 90% of the world's population already use it. — Extract from letter to the Adelaide News.

* * * *

... can you remember the days before we had decimal currency? If not just try working out a compound interest sum in pounds, shillings and pence — you will soon be in despair at the extra work involved! In the metric changeover period we will take a while to get used to the new names and different sizes. But once used to them, we will find metric so straightforward and simple we will wonder how we managed to put up with the older “systems” for so long. — Extract from letter to Pix.

* * * *

... I have been using it (the metric system) at school for four years, and am glad Australia is changing to it. As can be seen by other countries, the metric system is the best available. It is much simpler than the British systems, which have irregular multiples and difficult-to-learn forms of measurement. — Extract from letter to Australasian Post.

An off-the-cuff lesson in the practical application of the metric system was recently delivered to some Merrylands primary school children listening silently on the playground.

A teacher was saying that some children were using too much paper handtowel in the washrooms.

“Instead of using 50 centimetres try and cut it down to 30 centimetres which is equivalent to our old 12 inches,” he said, demonstrating the approximate measure with his hands.

“Now hands up all those who will co-operate,” he said.

All hands went up in unison — two valuable lessons killed with the one stone? — The Advertiser, Parramatta, N.S.W.

* * * *

All contracts for new Government housing projects after 1st January, 1974 should be specified and documented in metric units.

This was the unanimous recommendation of State and Commonwealth officers following a day-long conference in Canberra.

It is hoped that this common dating by Government housing authorities will provide a lead to the home construction industry generally. It is also anticipated that adoption of a common date will assist suppliers of building materials to plan for conversion.

* * * *

“Metrication News” editor awaiting a friend at the long haul arrival building at London Airport was surprised to see a truck of cases from a newly-arrived Jumbo from Los Angeles sporting highly-coloured labels, “Go Metric”, “Let’s Go Metric” and “The Future is a Metric One”. Letters from metric sources in the United States are also splattered with stickers like this one:

And all this before the programme has been agreed! — “Metrication News” (Britain).

* * * *

Singapore, like Australia, is moving into a period of change in which metric awareness will increasingly become part of everyday life. Signposts on Mount Faber indicate the direction of world capitals and the kilometre distances as well as mileages.

JUNIORS PAGE

MICHAEL FARADAY (1791-1867)

Michael Faraday was an English physicist who discovered the laws of electromagnetism. His work in the field of electricity made possible the electric light, the electric motor, and the dynamo.

Michael's father was a blacksmith in Newington, Surrey. When Michael was five years old the family moved to London, and life became very hard. Michael's share of bread given him from a poor relief line had to last him one week.

Today everyone has the opportunity to get a good education. Michael learned the rudiments of reading, writing, and arithmetic, and that was all.

Home at that time was the upper storey of an old coach house, and Michael's time when not at school was spent here, or out on the streets.

He found a job as an errand boy for a bookseller and bookbinder, and later became an apprentice to the trade. He enjoyed his work because it gave him the opportunity to learn. Three books that introduced him to natural science and electricity were the *Encyclopaedia Britannica*, Watt's *Improvement of the Mind*, and Mrs. Marcet's *Conversations on Chemistry*.

With the little money he could spare, he bought materials for experiments, and when he was nineteen, was investigating electrolytic decomposition.

A customer at the shop became interested in Michael, and enabled him to attend four lectures by Sir Humphrey Davy at the Royal Institution. He took careful notes, wrote them out in detail, and sent them to Davy along with a request for employment at the Institution in any capacity connected with Science. Davy suggested that he consider very seriously before giving up the security of his trade for the insecurity of Science, but when he saw that Michael had made up his mind, Davy took him on as a laboratory assistant. In 1813 he became assistant to Sir Humphrey, and accompanied him on a two-year tour of European Universities. He met many important men, who later became his friends and colleagues.

On his return Faraday continued as Sir Humphrey's assistant, but also began

research of his own. He experimented in the fields of electricity and chemistry, becoming an outstanding lecturer. Honorary degrees and awards were showered upon him from many countries.

FISHY TALES

When I was just about cooked by the Sydney heat at Christmas time, Ken Coates tells me that he and his party were experiencing some very cold weather on the Snowy. The maximum temperature at Lake Eucumbene was about 11°C. They found early morning and late evening best for fishing. Boating the lake they landed eight trout to 4 pounds, but unfortunately lost as many, due I would say to being too anxious!

Bruce Clynes and party boated the Shoalhaven River for mixed bags of bream, flathead, black fish (on bait) and tailor. There appeared to be no scarcity of fish.

The near beaches should be yielding good fish now. Watch for sharks if you are wading, especially in dark water, and on cloudy days. The water temperature has risen considerably, and this brings the fish in, and the sharks after them!

If you are boating observe the basic safety rules. Many years ago I hired a small boat at Forster. Unfortunately, when I was well up Wallis Lake, wind and weed used up more petrol than usual and I ran out about a mile from home. The oars were taken out and at the first pull one broke in half — dry rot! This meant rowing home against the incoming tide with one oar and rudder! I don't recommend it! Anyhow if you do venture out in a boat, check the gear first. Check for oars and rowlocks, anchor with at least 100 ft. of line, two plastic buckets for bailing, observe that the boats buoyancy tanks are O.K., and that you have an approved life jacket branded Australian Standard Z27.

It wouldn't hurt to let someone know where you intend going, all kinds of things can happen at sea. To sum up — take all precautions possible.

NEW ZEALAND TRIP

by Eric Saxton

"Distant fields are greenest" and one can truly say this about New Zealand — a land where droughts, snakes and gum trees are almost unknown — a land of friendly people, steam heat and where barrelled beer is unknown.

Leaving Auckland one travels a motorway for almost 30 miles, free of pedestrians and side streets, flanked by market gardens (where spuds are grown all the year round) and dairy farms, where the small tidy grazing areas are enclosed by hedges, rather than fences. On this motorway we passed several large beer tankers delivering the brew direct into the cellars of the hotels, and also through tidy villages, where even "One teacher schools" have their all weather tennis court and playing area.

The Glow worm cave was entered through a cleft in the mountain — one was almost immediately in a huge cavern from which led a downward passage. In the subdued light, was a dark flowing stream with a large barge awaiting us. Silence please! All lights extinguished, and we pushed off in the dim eerie light of millions of glow worms — the only sound being the drip of water from the ceiling. "Rather spooky" was the general comment.

Rotorua was heralded by the strong smell of sulphur in the air and steam was observed emerging from the ground, and even the footpaths. Cold weather has no qualms for these people, a pipe is put down about 30 feet and up comes steam for heating and cooking — what if the pictures do sway from the walls occasionally; the constant supply of hot water makes up for that. Why worry about pictures anyhow. Lake Rotorua has an ever-changing fringe of steam patterns — a very impressive spectacle.

How would you react to having a cake of soap forced down your throat? That is what the procedure is at one of the geysers, and with the foreseen result, it throws up a hot stream of water 40 feet into the air lasting about 15 minutes.

New Zealand is a land of contrasts, for next to the steam, icy cold streams emerge and are used for breeding trout. The crystal clear ponds enable one to see en masse — at least 3-4 hundred fish of varying



The geyser mentioned in the text after the treatment.

size in each pool — from fingerlings to ten-pounders.

Trout is never commercialised. You can catch them in sport, but they are never sold over the counter.

A sheep show before reaching Wellington. Twelve prize rams of different breeds pose on a pyramid stage reaching about 15 feet high.

Most of the New Zealand wool is used for the manufacture of carpets.

At Wellington we boarded a plane for the South Island. It is here one realises why tourism is high as a money spinner for New Zealand — for coach loads of visitors are coming and going, all on tour, and adding to the country's overseas earnings.

SOUTH ISLAND

The flight to the South Island takes less than an hour, and the first glimpse is one of snow capped peaks, and then a checker board of farms.



What a lovely city Christchurch is! In fact, all the cities of the south have that calm dignity of the late eighties. The public buildings and churches are all built to last, stone either grey or deep green in colour being mostly used — evidently built from the wealth of the Golden Era.

It is not often one can see a clear lazy river running through a large city, flanked by parkways, completely free of pollution in any form.

We travel through more sheep country towards the Southern Alps, and reach one of the lakes areas of the south. These cover many square miles, and in places reach a depth of half a mile; their waters kept clear and fresh from the snow clad peaks.

The South has no steam, but uses its endless supply of water to generate electricity; in some cases just by building turbines over the fast flowing streams.

Mount Cook and its glaciers, snow-capped at all times, present almost perfect symmetry, and the motels are designed to view their magnificence from every room.

Leaving Mount Cook and nearing Queenstown, we pass through the remnants of New Zealand's Golden Era, when thousands flocked to the Clutha river to pan for gold. The whole area is studded with historic buildings, and the coach guides never fail to pull up, point out, and explain.

Queenstown on the shores of Lake Wakatipu is a gem, but the time was too short to visit the chair lifts, travel the shallow rivers or explore the lake. However, we did see the Bottle house, thousands of bottles — bottoms out — cemented together make up the outer walls.

So, on to Milford Sound, average rainfall over 300 inches!

One passes from east to west through the Homer tunnel, almost a mile in length and drops 500 feet, bursting from the darkness to view the Cleddau Canyon — the valley of a 1,000 waterfalls (and they missed half of them). Soon preparations were in hand for a trip on Milford Sound, the heart of the Fiordland of New Zealand.

The intake of fresh water is so great in this area that it is drinkable a mile from the ocean, the denser salt water keeping below the fresh.

The country gradually flattens as we go east and arrive at Dunedin. It was from here that Captain Scott left fifty years ago on his ill-fated Polar Expedition.

Dunedin has a spectacle not to be missed, a "musical fountain". An unimpressive but picturesque pool by day comes to life at 9 p.m. each evening. Easy to listen to music of varying tempo is broadcast, and water jets varying in volume, size and shape — at times almost a thousand in number — leap and spurt, swing and sway, swirl and twist to the time of the music. Proving that water has its artistic as well as commercial uses.

The final days run of 200 miles is along the east coast, sea on the right hand and the distant view of snow capped peaks on the left.

Less than 2,000 miles of travel, yet a scenic wonderland, with good and plentiful meals, excellent overnight motel accommodation, makes one contemplate a further visit.

GARDENING NOTES FOR FEBRUARY

- FLOWERS:** SOW: Antirrhinum, Aquilegia, Calendula, Candytuft, Carnation, Canterbury Bells, Cornflower, Delphinium, Dianthus, Eschscholtzia, Foxglove, Gaillardia, Godetia, Gypsophila, Hollyhock, Lupin, Nemophila, Nigella, Pansy, Penstemon, Iceland Poppy, Salpiglossis, Scabiosa, Schizanthus, Stock, Virginian Stock, Sweet Pea, Viola.
PLANT: Iceland Poppy, Pansy, Primula, Bellis perennis, Calendula Stock, Viola, Wallflower.
- VEGETABLES:** SOW: Beetroot, Broad Beans, French Beans, Carrots, Onions, Parsley, Parsnip, Peas, Silver Beet, Swede Turnip, White Turnip, Lettuce, Radish, Endive, Cress.
PLANT: Cabbage, Cauliflower, Leek, Eschalot, Garlic, Marjoram, Sage, Thyme.

What a hot, dry month we had in December, with temperatures at an "all time high" and rainfall less than one inch for the end of 1972!! I do hope that you are keeping an eye on all those dry corners in the garden and giving even the well-established trees and shrubs, a good, weekly watering.

Commence planting the Spring-flowering bulbs this month. Those already in the ground will be commencing to root and a dressing of bone-meal or complete fertiliser will benefit them during the growing period. Daffodils, Jonquils, Hyacinths, Lachenalias, Watsonias, Snowflakes, Anemones, Freesias, Grape Hyacinths and Ranunculas should all be available from garden shops now. *Do not* plant Tulips until March or later.

This is a good time to decide what evergreen and deciduous trees and shrubs you would like to plant this year. Order these from your Nurseryman at the earliest opportunity.

Trim Hydrangeas lightly at the end of this month.

Remove all dead flowers from Roses, lightly pruning as the flowers are removed, to encourage Autumn flowering.

Stake Chrysanthemum plants and give a good dressing of complete fertiliser, disbudding them if large blooms are required.

Prepare the soil for the sowing of new lawns during March, making certain that the lawn area is kept free from weeds.

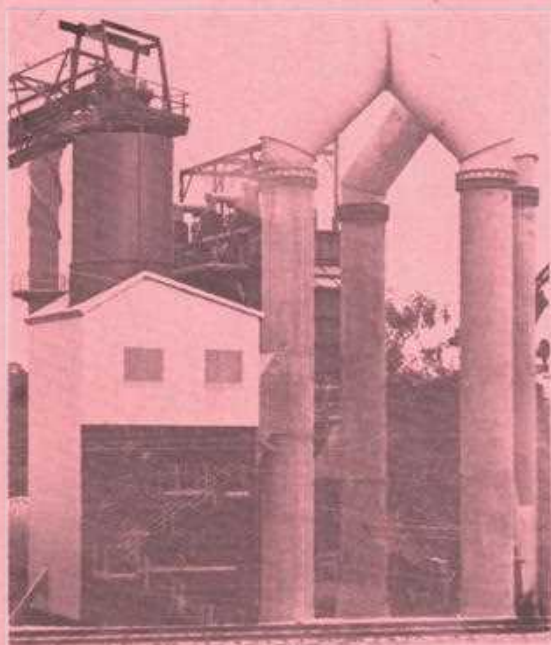
Spray fruit trees with "Rogor 40" to control fruit fly and set "Dak-Pots" in the trees to trap male fruit flies. Pick up and burn or bury *deeply* all fallen fruit.

Sow Carrots, Parsnips and Turnips now, in well dug soil, to enable the roots to go straight down, without forking.

Bait at regular intervals to control Slugs and Snails, which lay eggs this month. Every one killed now means all that many less to eat your plants.



New Apprentices look on whilst the 200 day safe working flag is hoisted.



The completed Coolers at the New Marulan Kiln.

RYTEWORDS No. 16

CLUES —

First Prize: \$10.00., Consolation Prizes of \$1 each.

1. Being confronted by a large one could be upsetting.
2. A fairy tale.
3. Main dish.
4. A in information can solve a crime.
5. May affect a person's behaviour.
6. A spectator needs good to watch a boxing show.
7. Happiness.
8. An affectionate greeting.
9. Liquid that sustains life.
10. A receptacle for fluids.
11. The state of a person's may win him a race.

CHRISTMAS RYTEWORDS RESULT

Mrs. G. Brooks, Moss Vale, was the only entrant with one mistake. She will receive the First Prize of \$12.00.

Miss Marion Vermeulen of Bundanoon was the only competitor with two mistakes. She will receive the Second prize of \$8.00.



This speaks for itself.



BERRIMA

MARULAN



MEDWAY

SYDNEY

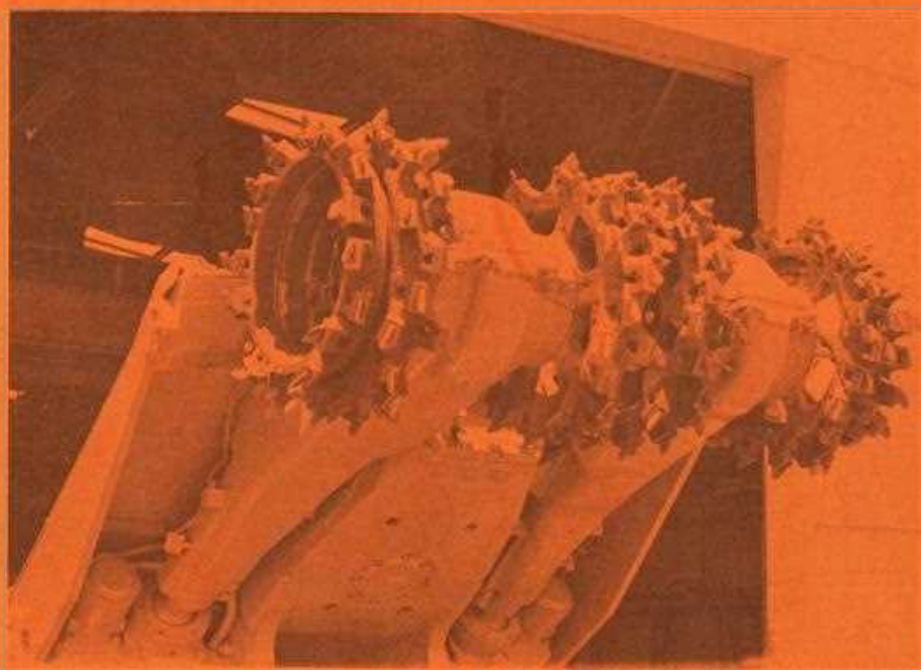
SOUTHERN PORTLAND CEMENT LTD.



NEWSLETTER

VOL. 1 - No. 10

MARCH, 1973.



The Lee Norse Miner shows its teeth.

S.P.C. NEWSLETTER

MARCH, 1973

VOL. 1 — No. 10

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REGULAR CONTRIBUTORS

BERRIMA

R. Greaves — Fishing
Mrs. C. C. Crowe — Gardening.
C. Sonter — Nature Notes

SYDNEY OFFICE

Miss Lorraine Lucas.
Mrs. Dana Savovich.

MARULAN

E. Cooper.

COLLIERY

M. Thorpe

PHOTOGRAPHY

C. W. Knowlson
L. Humphries
C. Glacken

EDITOR: C. W. KNOWLSON

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S.P.C. NEWSLETTER,
P.B.S. No. 4, Moss Vale, N.S.W. 2577.

COPY DEADLINE . . .

14th of the month prior to the month
of issue.

EDITORIAL

In last month's editorial our thoughts were centred on Safety. Safety First is a golden rule. But THE Golden Rule, the rule that should be nation-wide in a so-called Christian Country, is mostly forgotten. "Do unto others as you would have them do unto you" said the Founder of Christianity. What we really find is Self first, or do others if you can!

"What am I going to get out of this?" seems to be the question in most minds in every project of life. This attitude brings a great deal of disappointment, and dissatisfaction, when the material benefits we hoped for don't seem to be forthcoming.

When our minds are set on seeking happiness and comfort for ourselves it is like the rainbows end, forever just beyond reach. When we change our outlook, and find out something about the less fortunate people around us, the sickness, the disappointments, the loneliness, the sorrows, and begin to try and alleviate the lot of some of these people with our means, or practical help, we forget ourselves, and true contentment and happiness comes.

Recently I was reading of Cheshire Homes, founded by Leonard Cheshire V.C. A hero of the Second World War. He was chosen to be the R.A.F. observer during the dropping of the second atomic bomb on Nagasaki. This made him think of going into some kind of scientific research in order to find a way of putting atomic energy to good uses.

Eventually he decided to establish communities, that would bring comfort and companionship to some at least, of the army of displaced persons around the world. It was a tough fight but many homes were established. His wife is also a tireless worker.

This is not an isolated case. This spirit is found in all countries among those who believe in practical Christianity.

Even our Sick and Accident Fund was started with a similar idea in mind, as one of the opening paragraphs in the Rules of the Fund States. The funds were to be used for "The alleviation of distress caused through sickness, accident or death". It means that, if we are not sick, or in dire need we do not draw on the fund, but our contributions are making it possible to help those of our workmates who are in need.

Over the years, since the fund started, many hundreds have received help. Many widows have written appreciation of the funeral cheque received. This is one way we, who keep well and fit, can do a little to help our mates. This is a fund that must keep going. Every member is contributing to something that is well worthwhile, and, if sickness should come to you the Fund will be there to help.

Let's try and practice the Golden Rule.

TWO NEW CLINKER RECORDS. THE RECORDS ESTABLISHED WERE:-

1. Monthly Records for No. 5 Kiln Clinker Production of 40,032 tons.
2. Monthly records of clinker production all kilns of 52,908 tons.

The Management extend congratulations to all concerned. The usual bonus issue was made early in the month.

In future the following production records will be recognised by the usual bonus payment.

No. 5 Kiln - Clinker Production.

1. Best Daily Average for Month.
2. Best Monthly Total.

Total Clinker Production

1. Best Month.

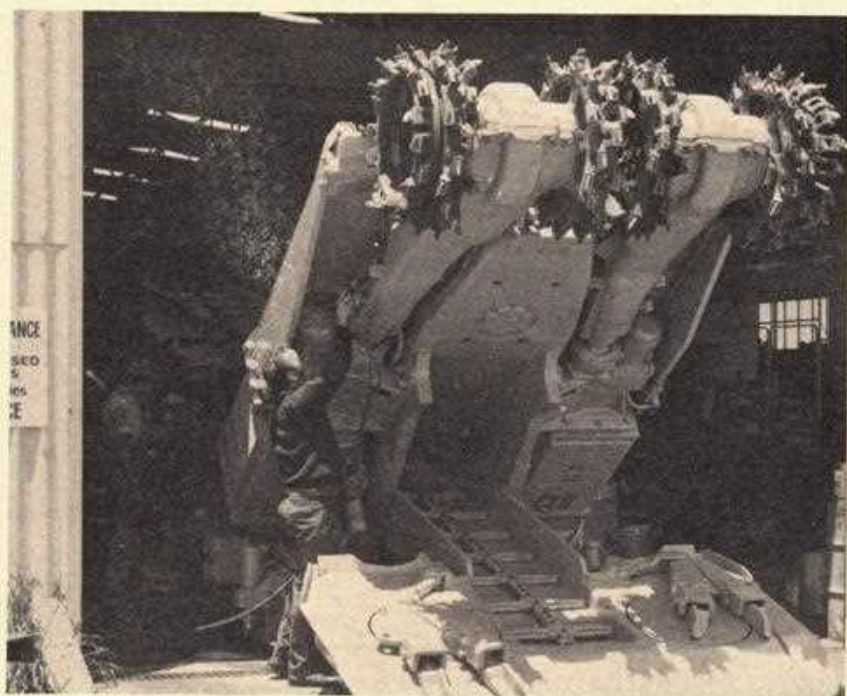
Cement Ground

1. Best Month.

Brick Life - No. 5 Kiln

1. Best Run Expressed in Clinker Tons.

Mr. W.M. Gale,
Works Superintendent.



Above:— The "Miner"
on its way to Moxons.

Left:— After the
overhaul, notice the
claws and conveyor.

Below:— Loading for
return to the Colliery.





As the Monster is manoeuvred into position Alan Parker, spares control Officer, and Lew Wilson, Colliery Engineer stand by.

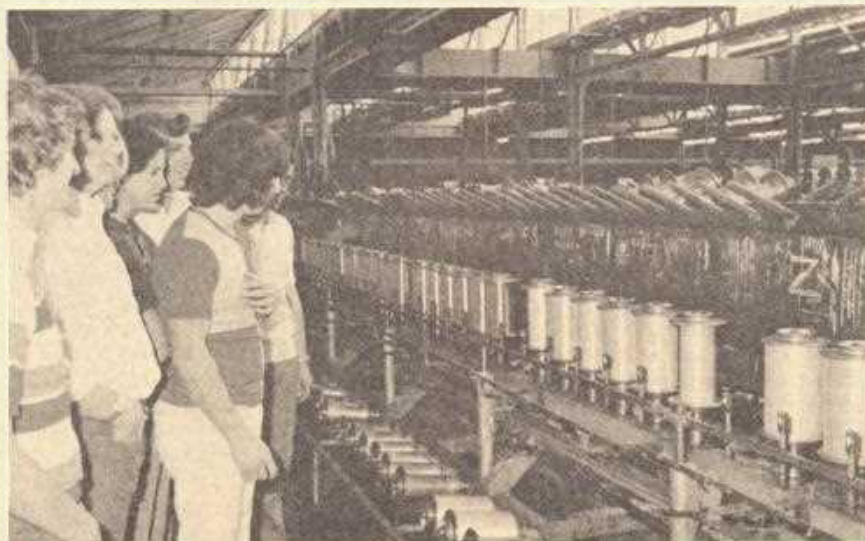
LEE NORSE MINER OVERHAUL

After nearly five years continuous service the Lee-Norse miner at our Colliery at Medway was brought out for a general overhaul. During this time approximately 800,000 tons of coal had been cut by the machine. It is an electric hydraulic cutter powered by three 75 h.p. electric motors. It weighs about 35 tons, and is generally operated by Ron Allen of Moss Vale.

The overhaul took place during the Christmas Holidays when the mine was closed. The miner was taken to Moxons of Moss Vale, and most of the photographs were taken at the completion of the work, just before it was returned to the Colliery.

In our next issue we hope to have pictures of the miner at work at the coal face.

Meanwhile, for many of us, this is our first good look at this "nocturnal Monster".



Apprentice prize winners visiting Courtaulds, see story on page 14.

NATURE NOTES — CHRIS SONTNER

Australia was a land of plenty, at least when the first white settlers reached its golden shores. Now, much of that regional scene has changed — swamps have been drained and filled, bushland has been cleared and burned, rivers have either had their courses changed or stopped and their waters have been spoilt to no useful end. Good clear views from high lookouts have become something of a rarity simply because the atmosphere has become the vessel of foul air, smoke, smog and dust. Such are the needs of modern man, and in many cases the need is genuine, but in others there is no excuse for the needless spoiling of beautiful countryside.

As a result of "reclamation" and interference with the various landforms much of the wildlife has become, in many cases, dangerously rare.

One of the "hardest hit" landforms is that of the rivers, lakes and mangrove swamps. Most of our major rivers have been dammed and weired not just once but many times along their course.

Some fish need swift-flowing waters to spawn, others can only survive when they cover vast distances either upstream or downstream in search of food. When dams are constructed this obviously restricts the movement of much of the aquatic life. Very often when large dams are built in deep ravines or gorges then the amount of water is usually kept at a considerable depth over a rather lengthy stretch of the river. In such cases these dams almost become void of fish, firstly because the waters are too cold at a relatively short distance below the surface and, secondly these deep waters usually produce little, if any, aquatic plants on which fish and other water life depend.

In Australia fresh waters, 231 species of fish have been collected, however, not all these species are freshwater — 49 are marine and on odd occasions enter freshwater for some unknown reason. At least 20 species of fish require estuarine conditions in which to spawn and spend part of their life.

However, one of the biggest factors that has contributed to the decline in Australian fresh water fish is the 16 odd

species of fish that have been introduced from other parts of the world. The effect that introduced fish have on the native fish is very much the same as that of the foxes and rabbits on the land. They eat the young fry, rob the waters of food, take over the spawning beds and, with the English Carp, continually foul the water by churning up the mud.

Getting back to habitat destruction. Mangrove swamps play a major role in the fishing industry — in fact more than most people realise.

Mangrove bays and swamps are natural nurseries for fish. A mangrove swamp has been described by ecologists as one of the richest areas of plant and animal life on the face of the earth.

Many species of fish breed and spawn in the mangroves. The oozing mud is extremely fertile and incredibly rich in marine life. This mud is formed by silt being washed down by high rivers and also the rotting leaves of the mangroves above. Such are the haunts of crabs, worms, insects and birds. Yet the destruction of mangrove swamps is unbelievable. Mostly the land is taken for air fields, playing areas, rubbish tips or industrial development. What a price for such a small return!

Much of the same can be said of the coastal swamps of N.S.W. and in a recent research survey by the C.S.I.R.O. on behalf of the National Parks and Wildlife Service the author, G.N. Goodrick, summarises the situations with the following statement and I quote ... "Of the most valuable waterfowl habitat previously available 60% has been destroyed or has had its value for waterfowl much reduced, mostly due to the drainage for flood mitigation. With increasing land usage the area available for waterfowl will continue to decrease, ..." End of quote.

Nothing more need be said, but I would like to finish up by the statement made by a woman councillor at a meeting in a Sydney suburb over a conservation matter regarding the reclamation of a mangrove swamp ... now think about it.

The woman's answer when she was asked why she was willing to sanction the destruction of the mangroves (and I quote) "Because people's rubbish gets caught in the roots".



Above:— Mandy Aldridge, centre who recently started in the Works Office, Berrima as a Tracer Draughtswoman. Her story appears in the next column. With her are her parents Mr. & Mrs. Parker, on a visit from England at the time the picture was taken. They have decided to make Australia their home, and hope to return soon. Mr. Alec Parker is a BOAC maintenance Engineer at Heathrow Airport, London, and Mrs. Kate Parker works in the Dept. of Environment, Research Laboratory, Princes Resborough.



MANDY ALDRIDGE.

I left Buckinghamshire, England nearly two years ago to settle in Australia with my husband and son. In England I worked as a Tracer Draughtswoman and worked semi-professionally as a folk singer along with my mother, in a "sister" act with the title of "Kate and Mandy".

We toured all of England, working the clubs, and also in Wales. Eventually we were fortunate enough to gain contracts for work in London. This meant joining "Equity" the International Actors Union. Then a big chance came, our manager obtained a contract for us to appear at Long Island in America. This brought a conflict. I made my decision and got married instead, opting out, much to the disapproval of our manager. Still, we did appear on English Television and made a record.

Here in Australia I am hoping to start a group for recording purposes and have already the makings of one. I ran a group in England called Rupert Bear. That was a great success and all were shocked to find out that yet again I was throwing it all in, only this time to come to Australia. We arrived in South Australia first, and were very happy until a phone call came from a friend who said "I have your air tickets come to see us". Having no more excuses we boarded the plane to N.S.W. just for the weekend, we were here two days, then we decided that N.S.W. was for us. So John, my husband went back to S.A. and sold our house while I looked for a suitable place for use near here. We are both determined to stay now we have found what we have been looking for.

In S.A. I taught guitar to quite a few pupils as I did in England.

The new group will probably be called Blue Mist when it is properly formed. As yet we need a lead guitar and drummer. Any offers?

Left:— Ed Humphries, son of our Safety and Employment Officer, recently started at the Laboratory as a Chemistry Trainee. He left school in 1971, after taking and passing his HSC at Chevalier College, Ed enjoys his work.

NEW MARULAN LIME KILN LIGHT-UP

At 1.40 p.m. on January 31st 1973, Miss Vicki Knowles of Marulan South lit the gas torch and a few minutes later the kiln oil burner was ignited. Thus another milestone in the Company's investment in our 300 LTPD Rotary Lime Kiln was passed.

Prior to the above ceremony, the Kiln had been thoroughly checked out by the F.L. Smidth master burner Mr. Jens Jensen. With the oil burner alight, a careful plan of drying out the refractory in the kiln began.

In the early hours of Monday 5th February 1973, feed was admitted to the kiln at the rate of $\frac{1}{2}$ tonne per hour. During the next few hours the feed rate was progressively increased until it reached 12.5 tonnes per hour. This feed rate continued for some hours, and then a gradual increase once again took the feed to its maximum rate of approximately 25 tonnes. This was achieved on the

11th February 1973 at 6 a.m. The feed was held at this value until 9 a.m. Thursday 15th Feb. The Kiln was then shut down in order to permit a routine inspection of the internals.

The Kiln has since been re-lit, this occurred on Tuesday 27th Feb. At the time of writing the kiln is slowly being brought up to full production again. A few minor problems have developed, but overall everything has gone smoothly.

Laboratory analysis of the burnt stone produced, continues around the clock, and the hourly results guide the progress of the program.

Guarantee performance tests on the kiln and electrostatic precipitator are still to be conducted.

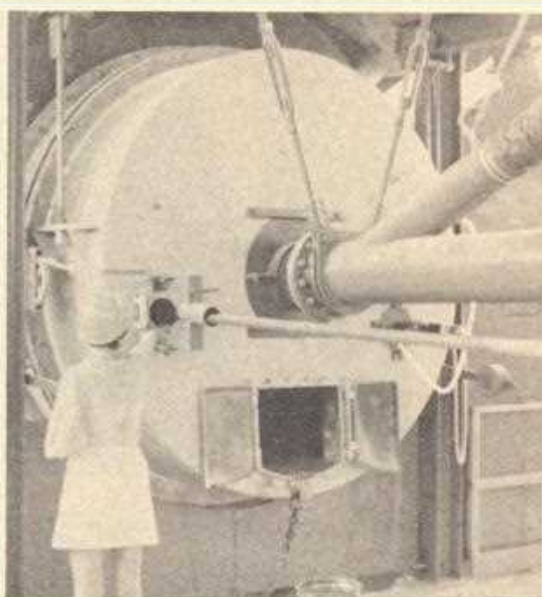
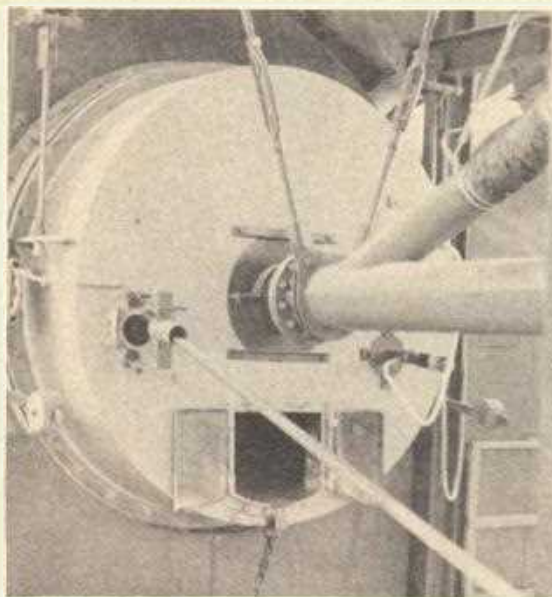
This kiln is the first of the Company's fully metricated equipment and the change from pounds per square inch, gallons and tons to kilo pascals, litres and tonnes proved not an insurmountable barrier.



Left:— Roy Shead, Mechanical Engineer, recently left SPC after 4½ years with the Company. He has moved to Western Australia, where he will be working with A.V. Jennings Industries (Aust). Ltd. Mining Group.

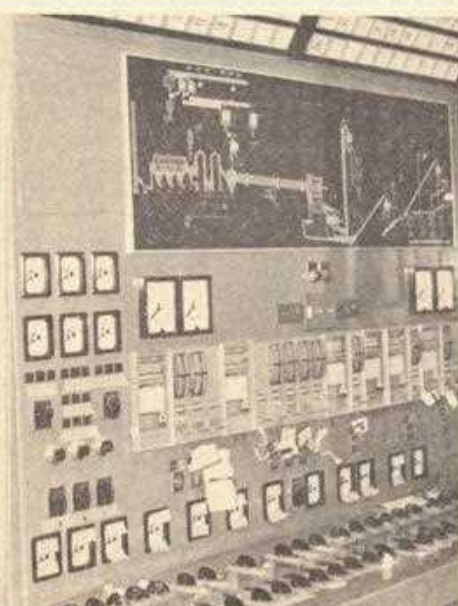
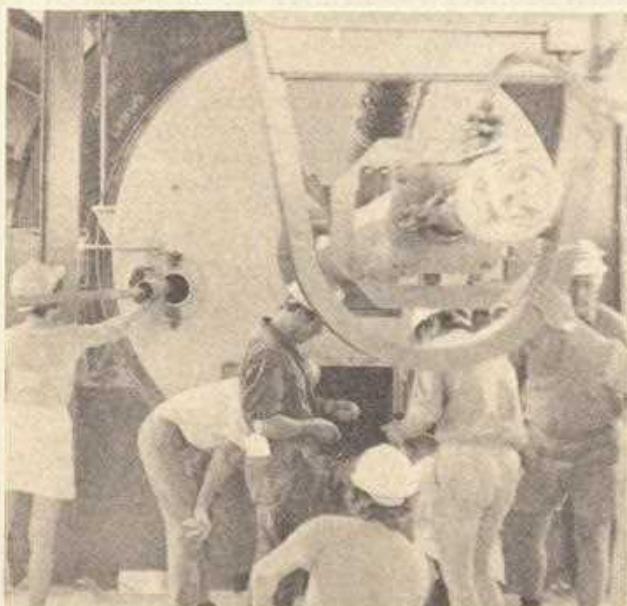
PROMOTION

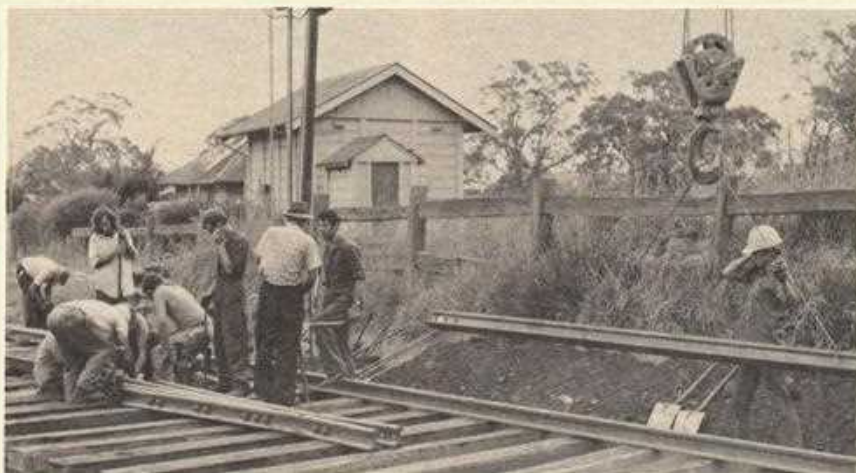
Congratulations to Mr. T. Young of the Power House, Berrima. He has recently been appointed leading hand.



Above and below left: Vicki Knowles lights the gas torch, which is then thrust into the kiln, which in turn ignites the oil burner.

Bottom right:— An excellent photograph of the kiln control panel taken by Col. Glacken.





SPC FETTLERS RENEW NO. 1 LEAD AND CROSSING AT BERRIMA JUNCTION

This was a major job for our men. Both Marulan and Berrima gangs were under the able leadership of Albert Quail, Rail Foreman, and Ray Morris, Quarry L.H. Fettler.

The job consisted of removing the whole of the No. 1 Lead, crossing rails and timbers, and renewing every item. This had become necessary because of the heavy loads now passing to and from the Berrima Works. Originally a lighter lead, or rail, had been used. Because of the vastly increased traffic, it was now inadequate, and for the same reason, was beyond repair. The light lead had a poundage of approximately 80, that is, the weight of each yard of rail weighed 80 pounds. This had to be replaced by the standard 94 pounds lead. This will now safely carry the 1800 ton loads, the gross weight of the train, plus the weight of the two Government locomotives, each weighing over 100 tons. Incidentally, the two locos together generate 4000 H.P.

The job called for a complete closure of the junction, and it had to be completed in two days, the 13th and 14th of January 1973. This of course was the weekend. In this way production would not be held up unduly.

Many complications attend the preparation for a job of this nature. The District Superintendent of Railways,

the Divisional Engineer, Head Office and Train Control in Sydney, all need to be notified. Then comes the preparation of the rails themselves — another job for Albert and his gang. The rails have to be cut to various lengths, appropriately drilled and marked, and also where necessary, curved, with great precision. All this must be very exact. During the execution of the job, every part went perfectly into place, proving the care that had gone into the preparation.

First the old lead was dismantled by the fettlers and removed piece by piece by the company mobile crane. The timbers were then set carefully in place and the rails and crossing carried into position by the crane. Great care was then taken by the foreman to see that every rail was exactly placed. For instance, at a crossing of this kind, if the rail and check rail are not placed exactly, the train could be derailed.

As I have looked into the work of the fettlers and loco men, I have increasingly realised the great responsibility attaching to these jobs, often unknown and unrecognized by the layman.

New work of this nature, when completed, in this area, must be passed by the Permanent Way Inspector of Railways at Moss Vale, Mr. Fred Carpenter.

In a later issue we hope to give more space to the work of our Marulan loco men and fettlers.



Left:- Laying the new lead timbers.

Right:- Placing a new rail.

Below:- Putting the new crossing in position.

Below - Right:- Mr. W. Gale, Works Superintendent, chats with Station Master Owen Ashcroft, whilst General foreman Jim Galloway discusses the job with Albert Quail, Rail Foreman.



Continued next page.



Above: — Putting fish plates on the new crossing.



Left: — The long reach of our mobile crane.

Below: — The finished job.





Above:— Moss Vale Primary School 4th class visited the Berrima Plant recently. Teacher Graham Piper was in charge. Mr. Fred Lynam provided the transport. Mick Baker and Gary Dunn assisted as guides.

ANOTHER WEDDING

Congratulations to Bill Saker and his wife Barbara, who were married early in January this year.

Bill was Maintenance Foreman at S.P.C. Berrima, some years ago, and was also a former Apprentice Training Foreman.

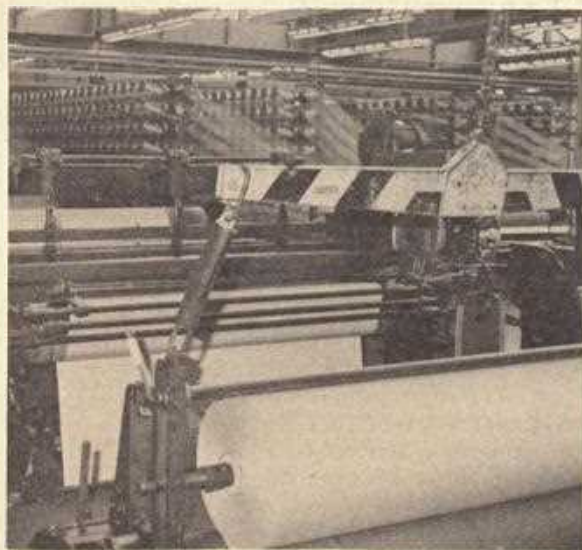
Bill and his wife are now living at Maryborough in Queensland.

COLLIERY NOTES

Two former workers at Medway recently returned. They were Stan Adams and Raymond Chalker. Raymond was working at the cement works in the interim.

Andrew Roseby recently toured various northern Coalfields going down different mines for experience during his training. Andrew was successful in passing his Mining Certificate examinations at Wollongong Technical College last year. Congratulations!

Last month Brian Townsend and family took a Caravan holiday on the North Coast. He enjoyed two weeks fishing.



Part of Courtaulds as seen by prizewinning apprentices on their recent trip.

JUNIORS

THE WONDERFUL WORK OF WORMS

Some years ago, a crate filled with soil arrived at the London Zoo from the Andes in South America. In it was a huge worm that could extend to a length of five and a half feet.

We don't often think of worms being longer than some snakes, but in Australia we have some worms that extend to over six feet! Some record breakers have approached eleven feet in length. When asleep, worms contract to about half the length of when they are fully stretched out.

It is certain that the poet Cowper did not know about these huge worms when he wrote about "The man who needlessly sets foot upon a worm".

In the time of Shakespeare the only books on natural history that were available certainly gave a wrong impression. They declared that worms "be full of evil and malicious; some be footless, and some have six feet and be enemies of mankind".

Of course, nothing could be farther from the truth. Worms perform a great service.

The worm is a living mill, grinding up soil day and night, producing a rich medium in which plant life flourishes. It takes in the soil, and uses very small stones that are also taken with the soil, to grind up the earth. Nourishment is taken from the soil enabling the worm to live, and the rest is expelled in what are called worm-casts. It is these worm casts which add so much to the fertility of the soil. So we could say, the more worms, the richer the soil.

Darwin, who studied the ways of worms for forty years, estimated that in good soil, in England, there were about 53,000 worms to the acre!

EARTH'S OLDEST SATELLITE

Of course as you very well know, earth's oldest satellite is the moon, and the moon has in recent years been in the news, mostly because of the lunar landings. The word lunar is often used to refer to the moon, as in "lunar year", the year on the moon. The moon shines by reflecting light from the sun, it has no lights of its own. It has a diameter

of 2160 miles and is the closest heavenly body to the earth. Its average distance is 238,000 miles from the earth.

The moon has three kinds of motion. It revolves around the earth, it follows the earth in a journey around the sun and it rotates on its own axis. It goes around the earth in 28 days, but it always shows the same side to earth.

The gravitational force on the moon is much less than that on earth. A man who weighs 180 pounds on earth would weigh only about 30 pounds on the moon. No doubt you have seen the peculiar way the astronauts walk about. It would be possible to take great leaps, but of course the astronauts are weighed down with all their gear.

Because the gravity is so low, there is very little atmosphere, of course the moon walkers must take their own oxygen.

Next month we will look at what are called the phases of the moon.

TOURING NOTES

MERRITT'S PATH.

Merritt's Path is a 'must' for visitors to Thredbo in the Summer months, says the N.R.M.A.

Merritt's Path winds down the southern fall of the Ramshead Range from the top station of Crackenback chairlift to the Thredbo River. Access to the top station is by the chairlift which costs \$1.00. The path descends from a point at 6,400 feet to 4,500 feet in the valley.

The walking track, which is about three miles long, can be easily covered in 2-2½ hours and visitors can enjoy superb views of treeless alpine zone and sub-alpine woodland.

A sign posted track meanders from the top station of the chairlift between massive granite boulder outcrops exposed by the erosive forces of the wind, sun and snow.

Before the steep descent down Ramshead Creek a good view of Ramshead Cascades can be obtained from Boulder Lookout. Vegetation changes from snowgum to Mountain Plum Pine. Mountain Pine Lookout offers fine views of the Ramshead Creek and Thredbo River valleys.



Tom at his desk.



The serious business of handing over the job to Ron Budden.

TOM BOURNE RETIRES AFTER 34 YEARS WITH THE COMPANY.

Tom started with the Company in October 1938. At that time the General Office, was situated in Sydney and Tom was with Stores Clerical. Later Tom went to Port Kembla for a few months and then in April 1940 arrived at Berrima.

Tom was again engaged mainly with Stores Clerical, but in those days there were only four workers in the office, and all jobs were shared to some extent. Later, more employees were moved from Sydney Office to Berrima.

Tom progressed to paymaster, then Chief Clerk, and latterly served as Staff Clerk.

Tom is a home bird, and is very interested in gardening.

All join in wishing Tom and his wife a long and happy retirement. Next month we hope to have more pictures. Meanwhile Tom asked that, through these pages he might express his sincere thanks for all good wishes and presents received.

FISHY TALES

Bob Friend spend a pleasant weekend at "The Island". He bagged a few nice Flathead and Flounder. These were caught on the drift in the canal and this is probably the best method of fishing for them.

I don't suppose anyone would mistake a flathead! Lying on the beach it certainly has a flat head! Incidentally, the smallest ones have very nasty spikes on the jawl that they flick from side to side. This can have disastrous effects on the unwary! I recollect that landing a "4" Monster on Comerong ocean beach many years ago, left me with a nasty sting in the hand. I picked the fish up very carefully, but he gave a wiggle, and before I could let go, the spike had done the damage. Needless to say, at that particular moment, I wasn't too

interested in whether he got back into the water, or stayed on the beach.

Advisers generally state that a wire trace should be used when fishing for flathead. This is theoretically correct, and no matter whether the fish has the hook in his lip or gizzard, one is sure not to be bitten off. However, if one is on the ball, or perhaps more correctly, on the fish, I find that the usual nylon rig with the running sinker, lands more fish. That is, of course, if you concentrate, and catch them in the lip. The largest one I have landed, was at Batehaven and was just over 5 lb. This is a nice fish but 10's and 12's are quite common, and a friend of mine has the head of a 25 pounder nailed to his boatshed door at Woy Woy!

If fishing from the bank, cast into and against the current so that the bait can be washed over the subject. (if he's there!)

APPRENTICE PRIZE WINNERS TRIP

By Mr J. Galloway, Apprentice Training Foreman.

This year the trip was held from the 3rd to the 5th December 1972.

At 8 a.m. Sunday we were on the way by coach. Stopping to inspect Gosford Reptile Park, where we also had lunch. Then, on to Newcastle, where we booked into a Motel which overlooked the beach.

Monday morning saw the party proceeding to Tornago, where we made an interesting tour of Courtaulds (Aust) Ltd. Here synthetics are manufactured. Polyesters, used in the making of clothing, and as a base material for motor-car tyres and so on. All enjoyed this experience, except for the variety of smells that were not to everyone's taste.

After lunch, we moved on to Raymond Terrace, to find out how Masonite was made. This was done during our tour of the factory of Hardboards Australia Ltd.

On Tuesday morning, when eventually all were out of bed and fed, our coach found its way to A. Gonian & Co. Ltd. who are Manufacturing Engineers.

Here we saw several diesel locomotives in different stages of construction, which are being built for the N.S.W. Government Railway. Incidentally, Southern Portland Cement's two diesel

locomotives were also built in the same shop.

The apprentices were very interested in seeing the moulding shop where many different items were being made, but of particular interest was the machine shop with its gear-cutting machines, vertical borers with 24 ft. chucks, computerized lathes and many other items of equipment.

From Goninans we moved on to the State Dockyards where we saw several ships, including an oil tanker being built on the spilways. Two things that impressed us here were the seemingly extra large size of everything and the great number of welding machines.

The coach then departed for home, with the boys very tired, but with a little more knowledge of how other people work.

The apprentice Prize Winners on this trip gained their prizes at Goulburn Technical College in the 1971 examinations. Peter Shanks, first prize Electrical Stage I. K. McGuigan, first prize painting & decorating Stage I. J. Miller and G. Guymer, first and second respectively in Fitting and Turning, Stage I. Fitting and Turning Stage II — G. Hinton 1st Prize, and R. Goward Second Prize. Stage III. J. Plonski of Marulan also went on this trip. He was unable to go the previous year owing to an accident. His award was 1st Prize in Fitting and Turning Stage II.



Jim Galloway, Apprentice Training Foreman takes the picture whilst the guide Mr. Johnson elucidates a few points. Mr. Johnson is Master of Apprentices at Courtaulds.

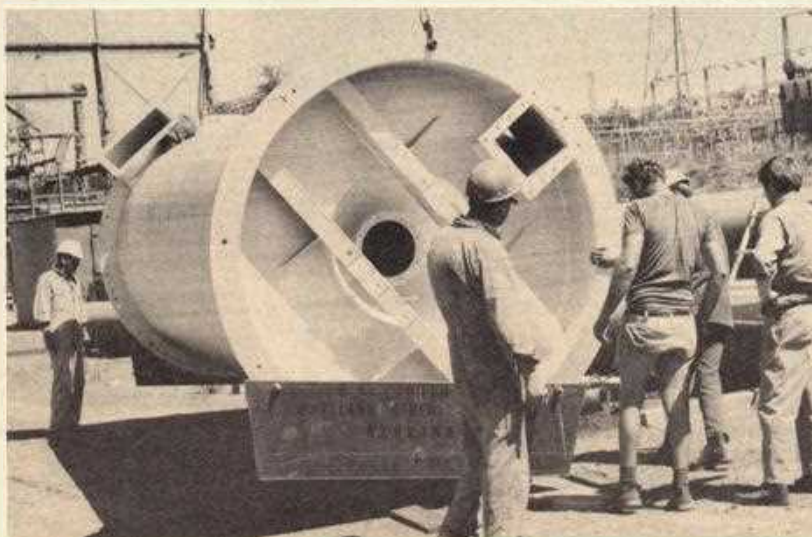
the cooler tower drive motor. This will allow greater access for maintenance in this area.

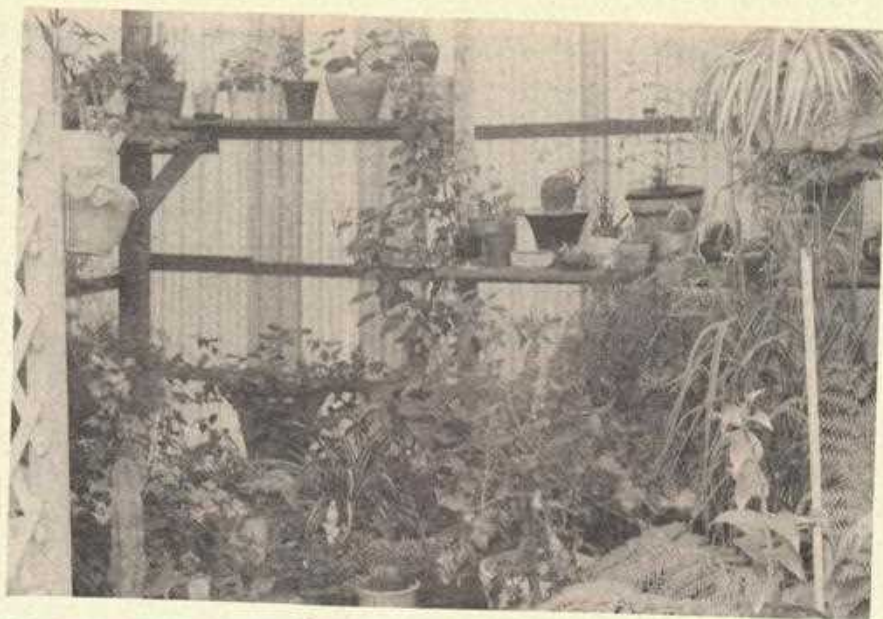
Outside contractors will carry out the greater part of the work, which is to be completed before the end of May.

Right:— Everything is checked before finally lowering the Cooler Tower onto the ground.

Top Left:— Mobile Crane driver Bill Hutchings carefully checks every stage of the operation.

Above:— Leading Hand Rigger, Tom Aitken directs the unloading operation.





It is clear to me that we will have to work hard to keep up with the substantial progress which they are making in Australia. — Mr. I.D. Stevenson, Chairman of the New Zealand Metric Advisory Board.

Mrs. Penfold, wife of Tom Penfold, Crane Driver, has a wonderful show of plants in her backyard. Some of the results of her keen interest are shown in the above pictures.

GARDENING NOTES FOR MARCH

FLOWERS:

SOW: Antirrhinum, Alyssum, Aquilegia, Calendula, Candytuft, Carnation, Centaurea, Clarkia, Godetia, Gypsophila, Larkspur, Lupin, Nigella, Sweet Pea, Virginian Stock, Wallflower.

PLANT: Bellis, perennis, Calendula, Iceland Poppy, Pansy, Primula, Polyanthus, Stock, Viola, Wallflower, Springflowering bulbs, such as Daffodils, Hyacinth, Jonquils, Tulips, Anemones, Ranunculus.

VEGETABLES:

SOW: Broad beans, Carrots, Endive, Parsnips, Lettuce, Onions, Parsley, Peas, Radish, Spinach, Herbs.

PLANT: Eschalots, Garlic, Rhubarb, Lettuce, Onion, White Turnip, Cabbage, Cauliflower.

My goodness, what a hot, dry Summer we had! Water seemed to evaporate almost before it reached the soil, and then at the end of the first week of February, a welcome overnight drop in temperature of approximately 4°C, brought rain and cool weather once more, ensuring a good Autumn.

Many of the Summer annuals could not stand up to the heat and now look very miserable. Remove these and dig over the soil adding fertiliser, in readiness for planting Winter and Spring flowering seedlings. SOME flowers such as Polyanthus, Primulas, Lobelia, Viola, Pansy Primrose, English Daisy and Wallflower grow well in shade. Others, including Stocks, Linaria, Calendula, Antirrhinum, Carnations and Sweet Peas, like sunny positions.

Sow lawn grass seed this month, keeping the surface moist to help the seed to germinate. Old lawns can also be renovated this month lightly forking patches where grass is thin, adding fertiliser and a sprinkling of new seed.

Gladioli corms should be lifted six weeks after flowering and tied in bundles and hung up until they are thoroughly dried out. Remove dry leaves and stalks and dead outer skins and store on a dry shelf or in trays, inspecting every now and then for signs of mildew or insect attack.

The planting of evergreen trees and shrubs from containers can be commenced this month, while the soil is still warm.

Remove old vegetable plants from the garden and burn any which appear diseased.

Watch for any fungus diseases or signs of caterpillar damage and spray immediately for control.

OBITUARY

Joseph Clarence Blackmore.

To Mrs. Blackmore and relatives, S.P.C. Newsletter, Management and all friends extend deepest sympathy in their recent sad loss.

Joe worked at Marulan Quarry for over 10 years and was well-known. The funeral service took place in St. Nicholas' Church, North Goulburn on Tuesday 13 February, 1973.

OBITUARY

We extend our deepest sympathy to the bereaved wife, brothers, and sisters of Hector McDonnell of Medway Colliery. Hec worked at the Colliery for 37 years.

MATCHPHRASE SAFETY COMPETITION

This month for our competition, we return to "Matchphrase".

Below you will find a list of "starters". You choose any "starter", and add from two to six words, making a Safety Slogan, or an original comment on the subject of Safety.

It can deal with Safety in the home, at work, on the roads, or when at play.

Double meaning words or phrases, or figures of speech may be used. If a double meaning is implied, put the word or words in inverted Commas.

List of "Starters"

No Substitute.....

Short Cut.....

Think.....

Wrong tool.....

Taking risks.....

Lives too short.....

For example: You may pick the "starter"

"Wrong Tool"—

Thinking around this you would come to the conclusion perhaps, that it would be much more difficult to do a job and the job would not be satisfactory, using a wrong tool. Also, from the Safety point of view it could be dangerous. So you might write down:

Starter

Wrong Tool

Matchphrase

finished Bill—not job!

and you have a finished matchphrase.

PRIZES

1st \$5 2nd \$3 3rd \$2 and six prizes of \$1 each.

The judges will include the Safety Officer, and three other department heads, or foremen, each month.

RESULT RYTEWORDS NO. 16

2 correct \$5.00 each.

Mrs G. Brooks, Moss Vale.

Mrs T. Pearson, Marulan South.

1 Mistake \$1 each.

R. Boyd, General Office.

Ed. Humphries, Laboratory.

Mrs S. Charvat, Marulan.

Mr Stan Thorpe, Moss Vale.

Mrs J. Galloway, Moss Vale.

Miss Bobbie-Jane Souter.

G. Guymer, Moss Vale.

Mr Stephen King.

CORRECT ANSWERS NO. 16

1. Bill
2. Fable
3. Meat
4. Lead
5. Mood
6. Light
7. Bliss
8. Kiss
9. Water
10. Pail
11. Mind

Who is it?



BERRIMA MARULAN



MEDWAY SYDNEY

SOUTHERN PORTLAND CEMENT LTD.

— NEWSLETTER —

VOL. 1 — No. 11.

APRIL, 1973.

~~~~~  
Mr. J. C. McNeill, Managing  
Director of B.H.P.

On the 5th of last month Mr. McNeill visited Marulan Quarry, Medway Colliery and the Berrima plant. He was accompanied by Mr. T. K. Duncan, Chairman of S.P.C.

This was Mr. McNeill's first visit since the late 1940's, when he spent a few days here as a special Cadet.  
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S.P.C. NEWSLETTER

APRIL, 1973

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REGULAR CONTRIBUTORS

BERRIMA . . .

R. Greaves — Fishing.
Mrs. C. C. Crowe — Gardening.
C. Sonter — Nature Notes.
J. Lewis — Bits and Pieces.

SYDNEY OFFICE . . .

Miss Lorraine Lucas.
Mrs. Dana Savovich.

MARULAN . . .

W. McCallum.
E. Cooper.

COLLIERY . . .

M. Thorpe.

PHOTOGRAPHY . . .

C. W. Knowlson.
L. Humphries.
C. Glacken.

EDITOR: C. W. KNOWLSON

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—oOo—

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THE EDITOR,

S.P.C. NEWSLETTER,

P.B.S. No. 4, Moss Vale, N.S.W. 2577.

COPY DEADLINE . . .

28th of the month prior to the month
of issue.

CAN WE DO A BETTER JOB?

S.P.C. has a past and present record of achievement of which we can all be justifiably proud but can we enhance this reputation in the future?

By giving a little more attention to the detail of each of our jobs perhaps we can do better yet. To continually remind us of our obligations to our fellow workers we will be progressively introducing a campaign called "Zero Defects." This is a personal challenge to each and every one of us to not make mistakes and so avoid the need for one of our colleagues having to correct a fault that need never have arisen. The "Zero Defects" programme does nothing more than highlight our obligation to do our job as well as we expect others to do jobs for us.

The campaign applies in all areas of our job from keeping our workplace clean and tidy to working safely, to communicating clearly and concisely, to ensuring early recognition of potential problems, to an

overall emphasis on taking pride in doing our job right first time.

We ask that everyone give the "Zero Defects" approach a genuine try and let us all see what can happen when we all respond to the idea of doing our job right first time. We also ask your help through the Suggestion Scheme or direct contact with your Supervisor, in providing any ideas you may have as to how we can perform more effectively.

Let us establish S.P.C. as the foremost producer and marketer of Limestone, Coal, Lime and Cement in Australia, independent of the basis of comparison used be it our performance in Safety, Housekeeping, Productivity, Service to the Customer, Maintenance, or simply the satisfaction of each of us improving our contribution to the S.P.C. team by co-operating for the mutual benefit of each other.

We ask your help in making "Zero Defects" campaign a success.

Good Luck!

Rex Williams,
ASSISTANT GENERAL MANAGER.

EDITORIAL

A certain Company sent two shoe salesmen into the heart of Africa. A few days later one of them cabled head office, "Returning next plane. Impossible to sell shoes here, everybody goes barefoot."

For several weeks nothing was heard of the other salesman, and then a fat envelope arrived at the office. The short message read something like this. "Tremendous sales ahead, one hundred and fifty orders enclosed. Prospects unlimited. Nobody has shoes here."

They looked at the situation from different viewpoints.

In all walks of life conclusions vary because of our viewpoint.

In the matter of smoking, one young man said to me "What matter if my life is shortened by five to eight years, we've got to die sometime, and we need SOME enjoyment!"

A middle aged man said, "Look at so and so, he lived to be ninety, smoked all his life!"

In a question of this nature, many tend to take a viewpoint that will enable them to satisfy the qualms of conscience, so that they can still carry on the smoking habit.

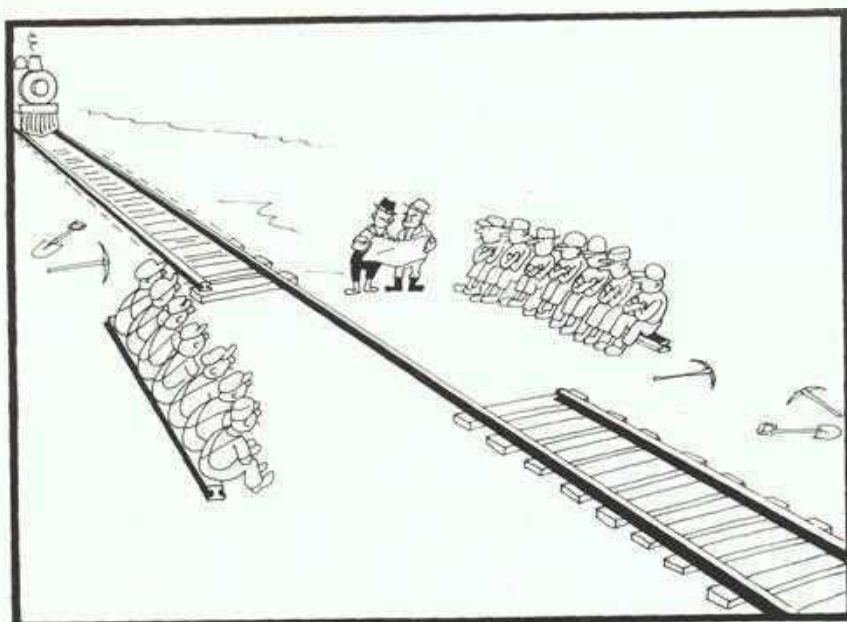
Now take another viewpoint, a man in his early sixties looking forward to retirement with the idea of enjoying a few years doing some of those things he would like to do, for which he has worked all his life. One day, like a bombshell, he hears the words, "Emergency operation!", "not much time," "may be too late!"

NOW, do those five to eight years matter?

Whatever you say, whatever you make yourself believe, nothing will alter the facts on which specialists from every country agree. From statistics it is established that smoking will shorten the life of any man or woman by five to eight years, according to the number of cigarettes smoked. There are exceptions of course, but they are few and far between.

Looking calmly at this matter of smoking, with all the evidence that is now available, the wise person will bank the money he previously spent on cigarettes, and in consequence live a few more years to enjoy it!

There's a lighter side to Zero Defects ...



Zero

DO IT RIGHT FIRST TIME

GOVERNMENT TESTED CEMENT

Government policy requires that the cement used on all its works must be tested by a competent Government Authority. For others who use Government Tested Cement it means they have the guarantee of top quality cement. The cement is tested at a Laboratory set up by the Department of Public Works and staffed by qualified operatives.

Cement Inspectors are stationed at Cement Works which are prepared to submit their cement for testing and analysis.

At S.P.C. we have two Inspectors working on shifts. They are well known to many on the plant Mr. R. Metcalfe and Mr. R. J. Daley, known as Bob and Dick.

This testing of cement by the Government, is of course, in addition to our own testing. This will be covered in our next issue.

The method used by the Government Inspectors is as follows:

For ordinary cement, a silo is locked, see photograph. When full, cement is tested from different sections. This is done from a tube at the base of the silo, five small tins and one large bulk tin are filled, and sent to Government Laboratory with all particulars. A company representative works along with the Government Inspector. As each sample is taken, it is divided into three parts, the Government Inspector takes one part, the Company takes one part, the other is kept in reserve in case any questions should arise.

For Low Heat and Cat. B cement, samples are taken as it comes from the mill to the silo. Three samples are taken at intervals of 10 hours each.

The Government samples are sent down to the Government Laboratory together with all particulars as to kind of cement, which silo, which section and so on. No cement can be used from the particular silos for any customer until word comes back from the chief testing officer that the cement meets his requirements.

When this cement is despatched to customers, every bag must be stamped, stating the type and that it is Government Tested. In the case of bulk, a special tag is attached giving these particulars and to

every customer a certificate is sent, signed by the Government Inspector.

In this way, purchasers of Government tested cement are assured that the quality of the cement supplied will ensure the necessary safety, strength and permanence of the structures on which they are engaged.



Mr. R. Metcalfe



Mr. R. J. Daley

BERRIMA GRAPEVINE

A new starter in the General Office is Tempe Oslear. Tempe is in the Machine Room and before here worked as an Accounting Machine Operator at Tetra Pak (Aust.) P/L., a packaging company in Sydney.

There has been a re-shuffle of staff in the General Office. Ron Budden (previously Time Keeper) has taken over the position of Staff Clerk left vacant by the retirement of Tom Bourne. Dennis O'Keefe has now taken over as Time Keeper. Yolana Dodds has moved from the Machine Room to the Time Keeping Dept.

The wedding took place of Jo-Anne Webb and Ian Dickson at St. John's Church of England, Moss Vale on Saturday, 10th March. Ian is a Trainee Programmer in our E.D.P. Department. We wish them every happiness.

It was with a note of sadness that we said goodbye to Tom Bourne on Friday, 2nd March. Tom was held in high esteem by everyone, not only in the General Office but throughout the works itself. We wish Tom and his wife every happiness in their retirement.

Jim Overdyke retired from Berrima after 17 years service, in June, 1972. It seems that he is now globe trotting. At present he is in Canada visiting his son. He will then be re-visiting Holland, and on the 28th May will commence his return journey to Australia by sea, arriving at the end of June.

Bert Mulready, Rick's father, re-visited Berrima plant a few weeks ago. He retired when he was 68 years of age and he is now 72 and looking very fit. As many of his friends perhaps are aware, when a young man Bert was a trapeze artist with Wirth's Circus.

S.P.C. CRICKET CLUB JACKPOT COMPETITION

Recently Mr. Neil Lancaster gave information to the Newsletter regarding the Hundred Club Competition being conducted by S.P.C. Cricket Club.

Subscription for the season is \$15. Initially \$3 is paid and afterwards \$1 per week in advance. Each member has a number card drawn and this number is retained throughout the duration of the competition.

Prizes are determined by the result of the first N.S.W. lottery drawn each week. The winner is the first member holding the number between 101 and 200 using the last three numbers of the lottery prize, working downwards from the first prize. The weekly prize is \$10 and on the 15th week the Jackpot prizes are to be won.

The prizes are: *First Prize* — a combined Radio, T.V. and Stereo set valued at \$400. *Second Prize* — a Kenwood Mixer and Juicer, value \$110 and the *Third Prize* — a HMV Capri Transistor Radio, value \$40.

The \$10 prizes won during the first six weeks have gone to the following:—

First Week — Mrs. Y. Dodds, No. 151.

Second Week — Mr. S. Easter, No. 178.

Third Week — Mr. L. Veal, No. 142.

Fourth Week — Mr. J. Stewart, No. 139.

Fifth Week — Mr. J. Townsend, No. 130.

Sixth Week — Mr. F. Wrightson, No. 189.

The latest winner, Mr. F. Wrightson, is known as "Tarn" on the plant, and he is a Life Member of the S.P.C. Cricket Club. Even now, at the age of 65, he still engages in an occasional game, and enjoys it.

INSTANT COMMUNICATION

When you ring Marulan via the Switchboard you have instant communication. This has been so for the last three months.

It took about twelve months of negotiations before this became possible, and the service is rented on a yearly basis. This private line from the Switchboard at Berrima to the Switchboard at Marulan gives instant communication! and the call is free.

The line goes from Berrima to Bowral by junction cable, then from Bowral to Goulburn by Sydney-Melbourne coaxial cable and then from Goulburn to Marulan by junction cable.

When you ring the switch at Berrima and ask for Marulan the operator simply presses a button, and contact is established.



Members of S.P.C. Cricket Team. Left to right:— Kev Whalen, Lloyd Veal, David Easter, Niel Lancaster, Bill Gale, Don Moore, Alan Pike, Fred Robjent, Joe Yardi. At the time of the photograph the two absent members were Stewart Easter and Bill Hutchins.

S.P.C. CRICKET

At the end of the 72/73 cricket season S.P.C. Berrima ended up second in the competition, and as a consequence played Chevalier College in one semi-final. However, the students proved too good, dismissing S.P.C. for 46 runs in the first innings. Then they scored 162 runs in reply. The difference is not so great as it may seem, as 9 Chevalier wickets fell for 72 runs, one player scoring ninety. In the second innings we managed 117, so that Chevalier batted again, needing only 2 to win.

This means that competition cricket for S.P.C. is over for another year.

This season once again produced good fellowship and fun for the cricketers, and also a marked improvement. Last year, with almost the same players we were the "wooden spooners."

A barbecue after the Chevalier match ended the season on a high note. Our only remaining game is a social match against Marulan, which will no doubt produce its own particular brand of gaiety.

PITHY SAYINGS

Life is a staircase and not an escalator. You have to walk up — you won't get pushed up.

Some people use half their ingenuity to get into debt, and the other half to avoid paying it.

These days it's hard to tell if people are walking to reduce, or are reduced to walking.

Speak as you think, but never speak without thinking.

A spinster is a woman who spends all her life in solitary refinement.

There are few pleasures in the world so reasonable and so cheap, as the pleasure of giving pleasure.

Health can be banked like money. Its presence on a rainy day can be a great comfort.

SYDNEY OFFICE AT WALKER STREET

Although Sydney Office address is no longer 'new' as we have been at No. 157 Walker Street for nearly 12 months, we thought the other S.P.C. offices might like to have a look at us and our surroundings



View of part of the front of our building.



Part of our frontage from the other side of the street, we are on the ninth floor and are very fortunate in having fantastic harbour views.



Above left:— Mr. McNicol the General Manager.

Above:— Mr. Williams the Assistant General Manager.

Left:— The Conference Room.





Mr. Green, the Manager Finance and Administration



Mr. Pirola the Marketing Manager



Mr. Hewitt, the Manager Sales Administration



Mr. Barnett the Cement Sales Manager



Mr. Peck, the Accountant



Don Millhouse, a pillar of strength to the Marketing Department.



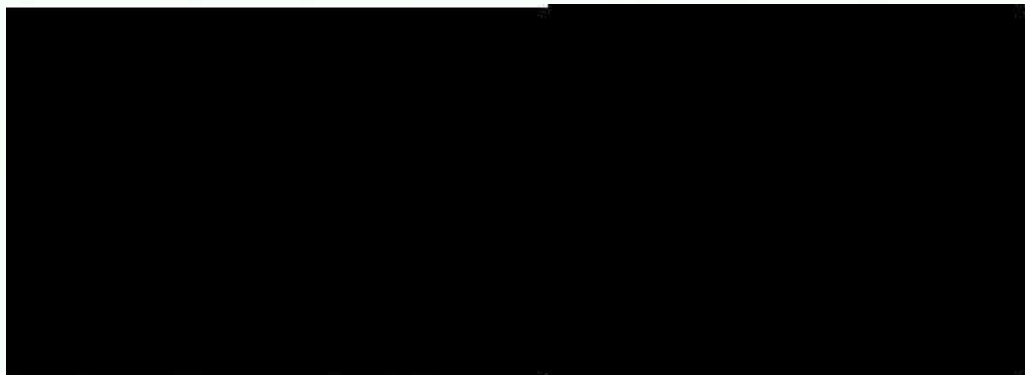
Les Stimpson the Accountant Services



Jacqueline Bytela, secretary to Mr. McNicol and Mr. Green.



Dana Savovich, secretary to Mr. Peck



Lorraine Lucas, secretary to Mr. Williams and Marketing Department, also Newsletter representative.

Susan Cruickshank. This photo of Susan is taken in the Reception Area but Susan has very recently begun working in the Marketing Department doing clerical work.

Here we have our hard working E.D.P. section and Carmel Young the Machine Operator. (Left to Right) Gail Fielder, Carmel Young, Gail Dobson and in front Colleen Bennett.

Last but certainly not least is the male side of our office staff. (Left to Right) Len Wilson, Tom Taylor and Mr. Wadhera.

STAFF CHANGES —

Now we have introduced our staff in the flesh so to speak, many readers will notice that we have had quite a few changes in our staff lineup.

Not very long ago Rhonda Berecny left our office to live in Tasmania, and Tony Cachia finally admitted (we'd had a vague idea for some years) that he didn't like getting up in the morning and left us for a

long retirement, seeing Tony is 20 we wish him many tranquil years.

Very recently we lost three members of staff, Jan Williams who was Mr. Green's secretary but began her career with Southern at Berrima office, Rosemary Cooper who was Secretary to Mr. McNicol and Mr. Williams. Malcolm Channon, Don Millhouse's right man, left us for the lure of the surf and Western Australia.

FISHY TALES

I will now tell you the best raw prawn story! Eddie Johns called to my attention the news item of a banana prawn about two feet long, which had been caught at Ballina. This was the first time I had even heard of a banana prawn. Now, the papers indicate that a banana prawn bonanza in the Gulf of Carpentaria will necessitate shipping great loads to Sydney. I don't suppose they will all be two feet long though!

Ken Coates and party fished Lake Eucumbene and reported seven fish among eight anglers! They reckoned this was as good as any parties' catch, they were very scarce. Incidentally, these fish were caught round about midnight on frogs. They wouldn't look at mudeyes, spinners or lures of any description.

Bill Brooks and party boasted some good reddie, morwong and kingies at Jervis Bay. One of the party hooked onto a large Kingfish which towed the boat for about 20 minutes. However, the line was only 50 lbs. and did not stand up to the struggle. Reminds me of the New Zealand fisherman who played a large Kingfish for just on 2 days. Almost exhausted after its long fight, the fish finally gave a mighty turn and broke the line. The angler's comment was very worthy I thought, and quite different from what many others would have said. His statement was — "He was a jolly good fighter, he deserved his freedom!"

SMILE AWHILE

The householder was very pleased with the way the painter had improved his house.

"You did a wonderful job," he told the painter, "and I'm giving you a little extra for yourself. Here's \$5. Take the missus to a show."

The next evening, the bell rang and the painter stood in the doorway dressed in his finest.

"Yes, what is it?" the man asked. Did you forget something?"

"No," answered the painter, "I just came to take the missus to a show."

When you see a man driving a car carefully, you can bet it must be paid for.

There are a lot of people in the world who spend so much time watching their health, that they haven't the time to enjoy it.

CAR CARE HINT FROM THE N.R.M.A.

Water for your car's cooling system doesn't cost a cent, but if it's lost, the cost of repairs to the engine can be expensive.

Cooling water can be lost from the radiator or heater hoses, the radiator itself or its pressure cap. Leaks can also be caused by a worn water pump, fractures in the engine block, a faulty head gasket or corroded core plugs.

Hose leaks can sometimes be stopped by tightening the clips, but perished hoses must be replaced.

A leaking radiator usually calls for specialists attention.

A leaking water pump is likely to mean a garage job. Repair kits can be obtained for some cars, but N.R.M.A. engineers say a replacement unit may be necessary for other makes.

Correct tightening of the cylinder head bolts might stop leaks from a cylinder head gasket. If this does not work, a new gasket is probably needed.

Engine core plugs — the circular pressed steel devices in the sides of the cylinder block and head — are often a source of leaks. Look for signs of rust on the outside of these plugs. Partial engine dismantling may be necessary to renew the core plugs.

Do not overlook the radiator pressure cap. If its rubber seal is damaged or the spring has lost tension, water will be lost through the overflow pipe. It is easy and inexpensive to obtain the correct cap and instal it.

There is a greater risk of water leaks in winter when anti-freeze is added to the cooling system. This liquid is more penetrating than water and creeps through joints which would normally be watertight.

NATURE NOTES

by CHRIS SONTER

We had spent the greater part of 12 hours driving when we decided to call it a day and started to look for a suitable place beside the road into which we could pull the caravan and snatch a few hours sleep. Owing to darkness falling before we stopped, it was hard to estimate just where we did stop, but it was somewhere between Maryborough and Gimpie (Queensland). Rain had left big puddles between the trees and the night was pitch black, imparting a rather eerie feeling.

Tea was cooked and eaten and little time was spent before climbing into bed as the next day meant just as big a drive as to-day. However the silence of the night was soon broken by a loud, thudding 'plop'. Again the heavy plop. I grabbed for the torch and went outside to search for the mysterious visitor in the pitch blackness — but all was in vain. The intruder had vanished and I had no idea as to what had caused the heavy plopping noise.

It wasn't until our return journey that we were able to see for ourselves what was responsible for our frightening experience a month or more earlier and, strangely enough, it was just outside Maryborough again. Yes, it was none other than "Bufo marinus" — the Cane Toad. Here, at this electrically lit roadside rest area Cane Toads were in abundance. The toads would gather beneath the street light to catch the stunned and falling insects that had been attracted to the light. These brown and gruesome toads reminded me of fox terrier dogs begging for food, and they were almost as big as fox terrier dogs.

Bufo Marinus to me is one of the ugliest creatures on the face of this earth and its purpose for surviving is just as ugly. Wherever they have been introduced they have been, within a very short time, proclaimed a pest. They are poisonous creatures and because they are not indigenous to Australia they have (to my knowledge) no natural predators.

On the shoulder is situated a large poison gland and if you ever get near a cane toad you can see this poison ooze out of the pores in the skin around the shoulder by pressing, with your foot, on the upper section of the toad's body.

It is this poison that does the damage. Stock have been poisoned by drops falling on the grass and fowls have suffered the same fate when the toads get into the drinking water. They become a nuisance around the settled areas and enter the gardens of homes thus making outdoor activities at night a hazardous venture.

The cane toad does have a good point — but just how good is not yet fully known. It was introduced from Hawaii to Queensland at a place called Gordonvale in 1935 to combat a certain beetle that is harmful to sugar cane. *Bufo marinus* came to Australia originally from the northern part of the South American continent. From there it was introduced to the West Indian Islands. The toads that were introduced to Hawaii came from the West Indies and the toads from Hawaii were introduced to Queensland. It would be very interesting to compare a Queensland toad with a South American toad. One thing is for sure, from the introduction of *Bufo marinus* we have a pest ranging from northern New South Wales to Cooktown and beyond.

ARE YOU A MEMBER?

S.P.C. EMPLOYEE'S WELFARE, SICK & ACCIDENT FUND

If you are a member of the above Fund and have been absent from work through sickness or accident, please contact Chris Knowlson in the Apprentice Foreman's Office. You may be eligible for benefit.

IF YOU ARE NOT A MEMBER, JOIN
NOW

After death, the Chinese go to live with their ancestors. Nowadays a lot of young married couples don't wait that long.

Daughter: "Just what kind of a husband should I look for, Mum?"

Mother: "Let the husbands alone, dear. Look for some nice single men."



LEFT:— Mr. B. S. Lamb, Social Sciences Master of Moss Vale High School recently brought his Sixth Formers to visit Berrima Plant.

Mr. W. Gale gave an interesting talk on the geography and economics of the works.



The two photographs above were taken when Jan, Rosemary and Malcolm said farewell.

Left to Right, Malcolm Channon, Gail Fielder, Len Wilson, Mr. Wadhwa, Front Row, Tom Taylor, Carmel Young, Jacky Bytala.

Left to Right, Mr. Peck, Lorraine Lucas, Jan Williams, Rosemary Cooper, Les Stimpson. Around the table, Carmel Young, Jacky Bytala, Dana Savovich, Gail Dobson, and Colleen Bennett.

METRIC QUOTES

The result (of the United States study to determine whether to recommend conversion) was as predictable as the outcome of a cowboys and indians film. The Commerce Department issued a 12-volume report which could best be summed up in two words, "Do it."

—New York Times.

It is clear to me that we will have to work hard to keep up with the substantial progress which they are making in Australia. — Mr. I. D. Stevenson, Chairman of the New Zealand Metric Advisory Board.

Metric conversion will facilitate an increase in Canadian exports, thus creating more jobs for Canadians. Canadian industry will realise increased productivity due to the simplicity of the system. — Mr. John White, Ontario Minister for Industry and Tourism.

TWIN BRIDGES FOR THE HUME HIGHWAY

The Department of Main Roads is calling tenders for the construction of twin bridges over Paddys River on the Hume Highway, 26.5 miles south of Mittagong.

Each bridge will be a three-span structure, 225 feet long, 28 feet between kerbs. The bridges will be of prestressed concrete and reinforced concrete construction. They will replace an old narrow timber structure.

A girl in a low-cut dress asked her doctor what to do for a bad cold.

"The first thing," said the doctor, "is go home, get dressed, and go to bed."



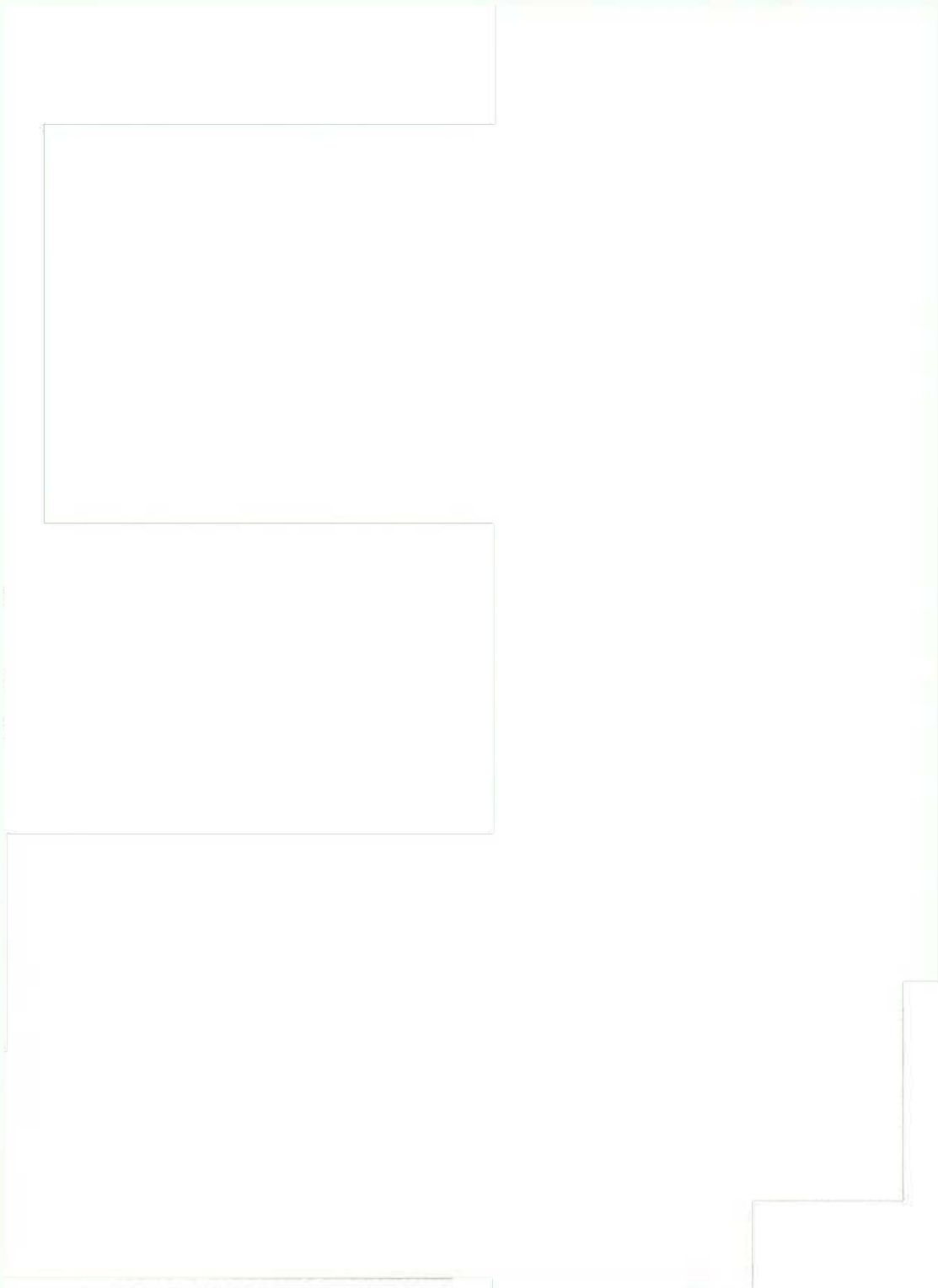
Some of our Berrima General office staff
Top left:— Ron Budden, our new Staff Clerk,
now settled in his new office.

Above:— Dennis O'Keefe, now Timekeeper.

Left:— Smiling Harry Wallace, Compensation
Officer.

Bottom Left:— Graeme Anderson, and below
Neil Cawthorne, Costs Department.







Top Left:— Eric Saxton, General Office, will be retired when this is published. Story next month.

Above:— Roy Bramford, Accounts payable.

Left:— Stephen King, General Office handyman.

Right:— Tom Young and
Sham Drewe inspect
new Air Compressor.
is identical with the
compressor installed last
year. See May, 1972
Newsletter.



JUNIORS

We have all seen Birdseye frozen foods, No doubt mother keeps a stock in the fridge.

What interested me recently was an article on the originator of frozen foods. It was in a small business magazine called 'Handshakes.'

Believe it or not the inventor was called Clarence Birdseye. Whenever he was asked how he came to have the surname 'Birdseye', he would explain that an ancestor of his had been a page boy to an English Queen. One day a bird of prey had swooped towards the Queen as if to attack her. The page boy quickly raised his bow and loosed an arrow at the bird, shooting it neatly through the eye. The Queen dubbed him 'Birdseye.'

Of course Eskimos had always used freezing to preserve foods. Experts had already found out that when food was frozen quickly the ice crystals were up to 100 times smaller than the ice crystals formed when the food was frozen slowly.

Some time after leaving the university he met the famous missionary, Sir Wilfred Grenfell, in Labrador. It was here that Clarence Birdseye became a fur trader.

For four years he used a dog train in winter and in summer travelled by light boat. When he returned to the U.S.A., his home country, he was able to put a little money in the bank.

Some time later he returned to Canada, this time taking his young wife and five months old baby. He took with him a quantity of food, this included a large number of cabbages. In the warmth of the cabin they began to yellow. He suspended them in lightly salted water and exposed them to sub-zero winds, they froze almost instantly. When thawed they tasted like fresh cabbage, and it was clear that they had not lost their scurvy fighting vitamins for the family continued in good health.

Many years later Clarence told of this experience. To him it was the beginning of the quick-frozen food industry. It was found that through quick freezing, food retained its nutrient, colour and shape.

He had a long struggle before the value of his discovery was recognised. He first started working with tubs of brine and blocks of ice. When at last two large companies became interested, millions of dollars were invested.

Clarence Birdseye became a multi-millionaire before his fortieth birthday.

He died at the age of 70 years in New York in 1956.

Throughout his life he kept his eyes open, and was always on the lookout for ways of improving existing methods, during his life holding 300 patents.

Maybe you, who read these lines now, will gain inspiration from Clarence Birdseye and one day introduce new methods, bring out new ideas, perfect new inventions! Why not?!

KINGS CROSS ROAD TUNNEL

The Deputy Premier and Minister for Highways, Sir Charles Cutler, has announced that the Commissioner for Main Roads is inviting tenders for the construction of the road tunnel at Kings Cross. The work to be undertaken in this tender will include site excavation, pavement construction and associated drainage, concrete footings, erection of walls and roofing of the tunnel and mechanical and electrical services.

The tunnel, which will consist of two cells or tubes, each carrying two traffic lanes and a Breakdown lane, will leave William Street near Dowling Street and join Bayswater Road, East of Nield Avenue. The road tunnel scheme will change the traffic pattern in and around Kings Cross by providing a high standard road for through traffic and considerably improved conditions for local traffic and pedestrians.

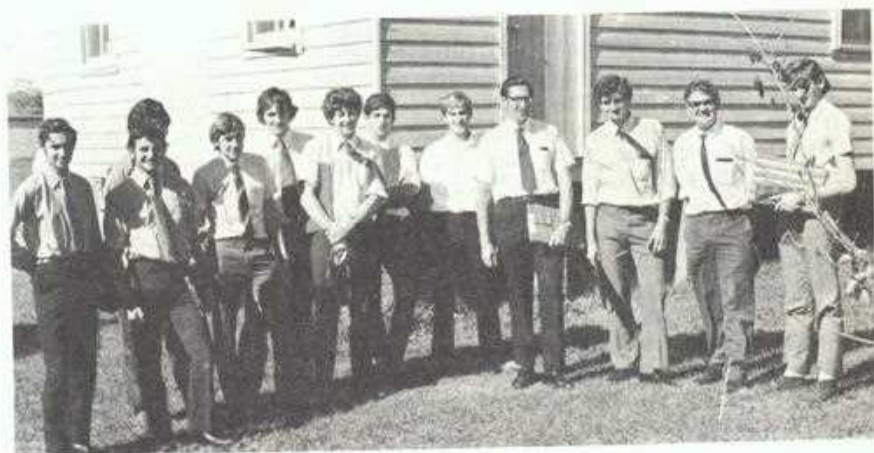
Sir Charles said the Department of Main Roads has been engaged on the Kings Cross Road Tunnel project since the scheme was announced in 1969. In this time properties had been acquired and the site cleared for construction operations. A bridge at Craigend Place, forming the eastern portal of the tunnel had been built. A bridge at Victoria Street, forming the western portal, was being built and other works which had been undertaken included the extension of Kellet Avenue. The widening of Kings Cross Road was now under way and should be completed about March this year.

The tenders now being called should enable road traffic to bypass Kings Cross before the end of 1974.



Left:— Teachers G. Blacklock and Chris Oeding brought students of Goulburn High School Third Form, on a visit to Berrima works.

Rights:— In March Brother Valerius accompanied Sixth Form students from the Marxist Brothers Juniorate, Mittagong.



OBITUARY

The SPC NEWSLETTER and all friends at SPC Berrima, wish to express their sympathy in the recent sad loss suffered by Archie Betts, whose wife recently departed this life. Archie is a Raw Miller, and his three sons also work on the plant, Bryan a welder, Alan who has just transferred to the Stockhouse from the Laboratory, and Ian a Fitter's mate. Kevin Moore, well-known in the Foreman's Office, is also son-in-law to Archie.

To all relatives we offer our condolences.

GARDENING NOTES FOR APRIL

FLOWERS: SOW: Antirrhinum, Aquilegia, Eschscholtzia, Candytuft, Larkspur, Linaria, Lupin, Nemophila, Pansy, Sweet Pea, Viola, Stock.

PLANT: Anemone, Antirrhinum, Aquilegia, Bellis perennis, Calendula, Canterbury Bells, Carnation, Dianthus, Digitalis, Iceland Poppy, Lobelia, Nemesis, Pansy, Polyanthus, Primula, Ranunculus.

VEGETABLES: SOW: Broad Beans, Carrot, Onion, Peas, Parsnip, Parsley, White Turnip, Lettuce, Raddish, Endive.

PLANT: Lettuce, Endive, Cabbage, Cauliflower.

February brought relief from the dry weather with very wet, humid conditions, resulting in the rapid growth of trees and shrubs and the return of pastures to their normal emerald green colour.

Liquidambars, Poplars, Maples and Willows are now showing autumn colour, so this is the time to get ready for winter planting.

Evergreen shrubs can be moved and planted in new positions this month. Lift these with a ball of earth and water in well, making sure that they do not dry right out during the next six months and watering overhead a couple of times a day during dry, windy weather.

Lawn seed can still be planted, providing it can be kept moist until germination takes place.

Liliums should be planted now in cool, moist, protected positions, enclosing each bulb in a pocket of sharp sand, to prevent moisture accumulating around the bulb.

Prepare the vegetable garden beds for winter planting of Asparagus roots and bush fruits such as Currants and Gooseberries.

Give all shrubs and trees which have been attacked by fungous diseases during the summer and autumn, an autumn spray with a good fungicide to prevent re-infection in the spring.

Watch for aphids and mildew on Chrysanthemum flower-heads and spray immediately to control these.

THIS MONTH'S SAFETY LIMERICK COMPETITION

Write a last line for this Limerick.
Tell employees the facts about fire
Or they may feed a funeral pyre,
Teach them fire fighting skills,
Practice fire escape drills!

Write a last line of nine syllables rhyming with 'pyre'.

First Prize — \$10; Second Prize — \$5;
Third Prize — \$2; 5 Prizes of \$1.
Closing Date — 12th May.

SAFETY-SAKE

Your safety gloves are not in style
So you do without them for a while.
It also seems that hats are wrong,
Too small, too wide, or just too long.
And as for boots, they are the end
They'd never fit in any trend.
Well we admit they're not a rave.
They're not for style, but to save,
A hand, a foot or better still.
The payment of a funeral bill.
A life, for which there is no price
Or the need to sacrifice.
So don't be made to look a fool
Don't think this just another rule,
That has been made for you to break
These things are for your

SAFETY-SAKE

— Reprinted from B.H.P. News.



Johnny Moule shifts the coal.

The Metric Conversion Board has distributed a draft programme for conversion of road aids, such as signs, maps, speedometers and odometers, to interested organisations, authorities and individuals throughout Australia.

The programme, prepared by the Board's Road Aids Sector Committee, will be amended, if necessary.

The committee is made up of nominees from such bodies as the Australian Transport Advisory Council, the National Association of Australian State Road Authorities, the Australian Automobile Association, the Traffic Control Equipment Manufacturers Association and the Australian Council of Local Government Associations.

The draft programme proposals are that road signs will be solely metric by mid-1976, road maps by mid-1974, and speedometers and odometers by the end of 1974. It is anticipated that all legislation will be implemented before the end of 1974.

A couple of elderly citizens were exclaiming and wondering at the changes brought by the decimal point when overheard by a modern miss in Hunter Street. Apparently the difference extended even to the dizzy heights of "culture," supported by the argument: "Once that picture theatre was called the 'Lyric'. Now it's been changed to the 'Lyrique', That's metrics for you!"

— Newcastle Morning Herald.

Right:— Government Cement Inspector, Bob Metcalfe, stands before his office situated near the cement silos.

THE NEW S.P.C. HOCKEY CLUB COMMITTEE

The Committee is as follows:—

President: W. GALE

Secretary: T. SUTTON

Treasurer: E. JOHNS

Coach: H. CHAPMAN

Anyone wishing to play please contact the Secretary or Coach.



PS

BERRIMA MARULAN



MEDWAY SYDNEY

— Southern Portland Cement Ltd. —

• NEWSLETTER

Vol. 1 - No. 12

MAY, 1973



Bowral High School Sixth Formers on a plant visit. No. 5 Kiln in the background.

|||||

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|||||

14th of the month prior to the month of issue.



TOP MANAGEMENT CHANGES

Mr. J. F. McNicol, well known to us all at S.P.C. for many years as our General Manager, has been appointed to the post of Sydney Manager, B.H.P.

Mr. McNicol is a fellow of the Australian Institute of Management, an associate member of the Australian Institute of Mining and Metallurgy and a member of the Institute of Quarrying.

He succeeded Mr. J. A. Macpherson both as Sydney Manager B.H.P. and as a Director of Southern Portland Cement Ltd.

All who knew Mr. McNicol in his role as "G.M." at S.P.C. will join in wishing him every success in his new position. Of course, as a Director of our Company he will still be associated with us.

Mr. Rex Williams, whom most of us have met during the past few months, as Assistant General Manager, will now be General Manager of S.P.C.

Mr. D. R. Williams commenced at A.I.S. Port Kembla as a Technical Cadet in 1962 and was Manager Planning and Technology of B.H.P.'s Oil and Gas Division prior to his connection with S.P.C. He took up his new appointment on 1st May, 1973.

We extend a hearty welcome to Rex Williams as our new "G.M."!



Message from. . .

MR. J. F. McNICOL

Ex General Manager

With a good deal of feeling I am leaving S.P.C. as an employee, after over 22 years of close association, to take on the job of Sydney Manager, B.H.P.

My first job with the Company, which commenced in February, 1951, was Officer-in-Charge of Marulan. After eight months of learning the art of quarrying during which the monthly production record reached 40,000 tons, I commenced a special cadetship which took me to all branches and works of B.H.P. throughout Australia. The highlight of this period was accompanying Mr. Norman Jones, then Managing Director of B.H.P., and Mrs. Jones to the opening of the new I.S.C.O.R. Iron and Steel Works at Vanderbajl Park, South Africa. On completion of the cadetship twelve months was spent at Vanderbajl Park, South Africa. On completion of the cadetship twelve months was spent in the Blast Furnace Department at Port Kembla, before becoming Technical Assistant in early 1955 to Mr. A. A. Parish, Manager of Port Kembla Works. The late Mr. Parish was well known to "Southern" employees, having been Berrima Works Manager in 1949 and Chairman from 1959 to his untimely death in 1967.

Immediately after Easter in 1955 I came to Berrima Works at the invitation of Mr. Cecil Hoskins as his Technical Assistant, subsequently becoming General Manager on his retirement as Managing Director in December, 1955.

The past seventeen years have been most enjoyable and memorable and I am extremely pleased to be going out with the Company doing well and new production and sales records being broken monthly.

To all employees go my sincere thanks for their contribution to the welfare of the Company during my period as General Manager and trust that you will extend to my successor, Mr. Rex Williams, the same loyalty shown to me.

My very best wishes to all.

Signed, J. F. McNICOL.

EDITORIAL . . .

Whilst looking through that excellent journal "Australian Family Safety", I noticed a number of short essays by children on the subject of "Safety and me on our holidays". The competition was part of an off-the-job safety programme conducted by Australian Newsprint Mills, Tasmania.

One effort I noticed particularly; it was written by an 8-year-old. Here it is

"Through the holidays I went for a walk. Walking through long dry grass I saw a big black snake. I ran away. I fell over on some glass, I was frightened and forgot to look both ways before I crossed the road. I was knocked down by a car. The man in the car took me home. He forgot to put his hand out to go round a corner and the P.M.G. Truck ran into the back of him. When I got home I fell on a banana skin and broke my glasses."

A chapter of accidents indeed; no doubt it makes us chuckle, but, to quote a well known phrase, accidents are not hard to find.

In the home, accidents happen very frequently, mostly to young children of the age of five years and under. We can do a great deal to prevent this by taking time to eliminate the hazards. Just a few minutes making sure that appliance cords are out of reach of children, that all handles of pans containing hot water or fat are stool, and stood on the edge of a chair or table to do a job.

Many adults take an enforced journey to the hospital, and have to stay there for weeks, simply because they didn't want the bother of fetching a step-ladder or stool and stood on the edge of a chair or table to do a job.

Most workers on the plant become safety conscious when on the job. Safety is no accident. Let's take safety home!

HELP YOURSELVES

This suggestion can be of great value to every employee, now that weekly pays are here, but it will be especially advantageous to the shift worker.

The Company can bank your pay every Wednesday and the cash will be available every Thursday.

It makes no difference which bank, or where the bank may be situated, you can nominate any bank in any area.

In every case the cash will be available to you in either a savings account or a cheque account.

You receive the usual slip showing all deductions, and the net amount available in the bank.

If you are a shift worker you may not receive your cash wages until Friday or Saturday mornings, according to your shift. But if paid into the bank it would be available every Thursday.

If you would like to take advantage of this service you can obtain a form from the Paymaster or Mr. Kevin Moore at the Foreman's Office.

It costs you nothing; the Company pays the bank charges connected with the banking and transfer to the various accounts.

HELP YOURSELVES — WHY NOT?

—oOo—

FISHING AT CALLALA BAY

Jack Bloomfield and Bill Brooks spent a very successful weekend at Callala Bay. With the help of Cathy, Bill's twelve-year-old daughter, they landed over 80 pounds of fish. This weight was made up of bream, flathead, rock cod, schnapper and mowong. Cathy got the prize catch of the day with a 7-pound flathead. Jack lost two fish, hooks, line and sinker. About five minutes later Bill caught the two fish Jack had lost, the hooks and all.



David Parker, Stocks Supervisor, and Les Shaw, his right hand man, keep busy with Stores Control and Stock Supervision. They also assist the purchasing officer in the purchase of General Stores and Plant Spares. Their office is to the left of the main entrance of the General Office, Berrima.



Left — the Berrima Plant Team which carried off the Col Ready Cup in the recent Staff v. Works match. Staff score was, 7 wickets for 150 runs, Plant 9 wickets for 191 runs.

Vince Maloney made between 30 and 40 runs, and the way he was going would have made a 100 but he had to go back to work. Lindsay Lansdown hadn't played for four years, but showed that he could handle a bat. However, the Plant boys feel confident that the cup will remain with them for many years to come. All present wish to thank the ladies, Mrs. Hutchings, Mrs. Waide, Mrs. Whalen, and all helpers for a wonderful lunch.



Right: Bill Gale took this picture of some of the younger cricket fans. They are, left to right, Marlene Whalen, Margaret Robjent, and Jenny, Deborah and Vicki Hutchings.



EXPEDITION TO OUR WINGECARRIBEE DAM

At first glance you'll probably think this is a pictorial record of Rus Greaves and Bill Brooks on a fishing trip, but believe it or not, they're working!

What then are they doing? And why?

In order to comply with future regulations relating to the quality of water leaving the works on its return to the weir, the Company has for some time been taking samples. These samples have been taken from the main drain and measured for total solids, acidity and alkalinity, temperature and general appearance.

The next logical step was to take samples from the weir itself. It was decided to take these at various points between the wall and where the water first enters the catchment area.

The laboratory was given the task of collecting the samples, and this was where the Assistant Works Chemist came in. Rus organised the expedition, made up of himself, Bill Brooks, who owned the boat, and the Editor who went along to record the event.

The pictures, no doubt, will tell most of the story. It was a beautiful day, the quietness and serenity of the surroundings completing a picture of peace. Rus got to work as soon as we pushed off, Bill expertly keeping the boat in the right positions, whilst samples, temperatures and depths were taken. Rus now takes up the story.



"At the time of sampling the countryside was reasonably dry. For some weeks only a comparatively small amount of rain had fallen. Water was flowing over the weir spillway at a depth of one and a half inches at the centre of the wall.

"There was considerable surface growth, on the main body of water impounded, but this proved to be only superficial, causing no hindrance whatsoever to the passage of the boat.

"Reed and water plant life was flourishing and divers, water hens and ducks were observed. On the upper reaches we also saw a large black swan and a pelican."

To all appearances, there were no adverse effects on the environment, and this was borne out by the result of the tests. To quote Rus again: "The results of the tests did not indicate any unsatisfactory environmental aspects."

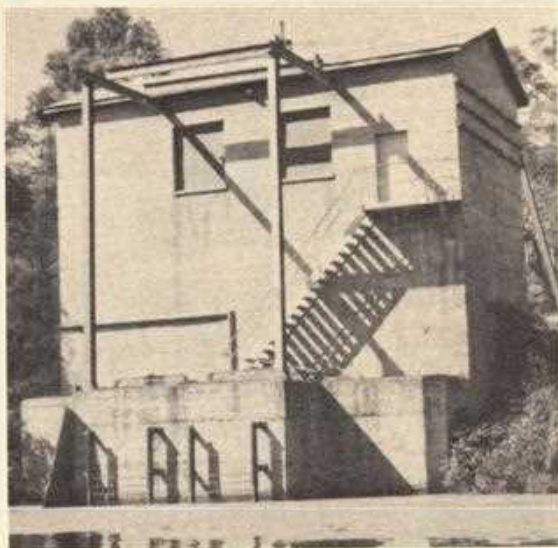
In a recent letter to the Editor our nature writer, Chris Sonter, mentioned that the S.P.C. dam was aiding greatly in the conservation of water fowl.

The dam has a capacity of 200 million gallons and water is pumped to the plant at the rate of 6000 gallons per minute. This is used mostly for cooling purposes; it is then returned to the dam.



These pictures tell the story. Rus Greaves takes and makes notes of the samples and temperatures. Bill Brooks launches and captains the boat. At present Bill is on the sick list. We trust he will soon be with us again.





Above: The pump house at the Dam and at the foot of the column, the water return from the works to the Dam.



NATURE NOTES

During the recent summer months I made several canoe trips down the Winge-carribee River between the railway viaduct bridge at Burradoo and the Cement Works Weir at Berrima. During these trips bird life was at its peak and one bird in particular was of special interest — the Nankeen Night Heron (*Nycticorax caledonicus*). It intrigued me as to how, on previous canoe trips over recent years, and on the same section of river, I had never encountered this species before.

I am certain that the Nankeen Night Herons nested along the river. The first indication of this was a pair that were occupying a bend in the river that contained good cover (for roosting during the day), good areas for food foraging and a shallow platform-type nest of sticks about 25ft up in a eucalyptus tree. I can only assume that the birds were nesting since I did not see a bird actually sitting on the nest.

Another point that prompted me to believe that the Night Herons may have nested was the fact that on a trip on 30-12-72 a young bird, along with two adults, was flushed from a tree and again on a canoe trip made on 23-3-73 I recorded the following observations in my field notes . . . The first birds of any great interest were the Nankeen Night Herons. Four birds flew from the dense foliage of a clump of willows, further upstream a couple more and to top it off six birds followed by another seven birds flew from a similar clump of willows, growing in water, on the end of the large open area of water fronting "Cardroma" farm.

What a wonderful sight with at least sixteen herons in full flight at once. Some showed a remarkable ability to soar high into the air, others graced themselves with gentle gliding motions; however, it did look like confusion had set in with birds flying in all directions thus making the scene one of panic. The bright daylight proved detrimental to their nocturnal habits. Several of the birds appeared to be in juvenile plumage and, although I did take time out to search for nests, I found none.

The Nankeen Night Heron is by no means a rare bird but because of the nocturnal habits and overall shyness of the species it tends to be easily overlooked. However, when the bird is introduced to the

observer it will usually be remembered for some time, since the bird has an unusual "hunched" and stocky appearance — quite different from that of other herons. In fact the Nankeen Night Heron is not unlike the birds that are known as Bitterns.

Night Herons are striking birds, possessing bright yellow-green legs and feet, large round yellow eyes with black pupils (typical of nocturnal birds). The bill is of a stout build and is black with the basal section (base of bill to front of eye) green. There is a white shoulder patch and the neck, back and wings are chestnut brown. The throat, breast and abdomen is a soft

creamy-white. From the distinct black cap of the head there are, during the breeding season, three long white plumes that curve downwards and over the back.

The birds are colonial nesters, that is birds that nest in colonies, such as Herons, Ibis, Egrets and Cormorants, etc. The nest is a scantily built structure, being made of sticks and twigs and placed on a horizontal branch of a tree. Although four eggs have been found in a nest the common number is usually two or three. The eggs are similar in shape to other colony nesters and are a pale greenish-blue in colour.

CHRIS SONTER.



KEITH GRAHAM LOOKS AROUND

Mr. Keith Graham, Senior Maintenance Foreman, Berrima, has been at A.I.S. Port Kembla since early March. This marks the first stage of a series of visits to B.H.P. plants. Other visits will also take in Cement Works throughout N.S.W., South Australia and Victoria.

The trips will enable Mr. Graham to look at maintenance procedures and main-

tenance standards in other industries. It will also enable him to catch up on new techniques.

March and April will be spent at A.I.S. During May he will visit B.H.P. Whyalla, Adelaide Cement, South Australian Cement and the two cement plants in Victoria.

Returning to N.S.W. he will visit Maldon and Charbon Cement Works. He will be back in Berrima on the 30th May.

The photograph was taken recently when Keith brought with him Mr. Harry Milliken of A.I.S. Survey Department.



Above and Top Left: Mr. Owen Jacobson, Works Accountant, makes a presentation to Jenny from General Office Staff. Mr. Lindsay Lansdown, Works Secretary, look on. Mrs. Jenny Martin recently left the Credit Union where she has served for over five years. To use the words of the C.U. Manager, Mr. Tom Richards, "She was an excellent employee." Jenny married about 2 years ago. On the left we see Jenny with the latest member of the family, Rachel Nicole, now almost 7 months old.



Mr. Marshall, with his Sixth Form Geography class from Bowral High School, recently toured the Berrima Plant. Mr. W. Gale gave an interesting talk regarding the geographic situation of the cement works.

SPC GROWING PAINS

Associated Portland Cement Manufacturers (Australia) Limited and Southern Portland Cement Limited have agreed to jointly investigate the possibility of establishing a Cement Company in Papua, New Guinea.

It is proposed that as a first stage a clinker grinding plant of some 140,000 t.p.a. capacity would be established, probably at or near Lae. The plant would operate initially using imported clinker. The plant would aim to provide a major part of Papua-New Guinea's cement requirements serviced through the principal ports.

Ultimately as the size of the market justifies the expansion it is intended to integrate back into limestone quarrying and cement clinker production, in Papua-New Guinea, subject to normal economic criteria.

Preliminary indications are that the first stage would cost some \$5,000,000.

It is proposed that as a first stage a hoped that provided satisfactory arrangements can be made with local interests, the plant would begin operation in 1975. It is intended that allowance will be made for local equity participation.

The detailed feasibility study is expected to take some six months to complete.



Mr. Stuart H. McPhail, Managing Director of the Centenary Travel Service, arranged a number of tours in the district, taking in the Cement Works. Here we see two of the groups from Avalon Primary School, along with teachers. Mr. McPhail, on left, is just about to board the coach as it leaves No. 5 kiln.





Above: Mr. Len Newman, Manager. Below:
Mr. Ron Smith, Storeman-Clerk. Foot of
Column: Mr. Kevin Welsh, Bulk Depot.



BULK & BAG DEPOT ROUND-UP

No. 1 FYSHWICK — CANBERRA

For some time the editor has had in mind the idea of putting the Bulk and Bag Depots in the News. Recently the opportunity presented itself for a trip to our Fyshwick, Canberra Depot, along with Fitter, Graham Morris, and Electrical Draughtsman, John Baumann.

We have endeavoured to present the story in pictures, and other information was given by Mr. Len Newman, Manager, Mr. Ron Smith, Storeman-Clerk, and other workers at the depot.

The Manager, Len Newman, joined the Company in July, 1962, together with John Dibbs and Bruce Vance. He is responsible for all bulk and bag operations and also sales of cement and lime in Canberra and the Southern Area. This entails a great deal of travelling. The territory includes the Murrumbidgee Irrigation Area, Cooma, Wagga, Albury and Goulburn.

Ron Smith has been with the Company for 7½ years. He keeps busy with cement orders, delivery dockets, the weighbridge and general clerical work.

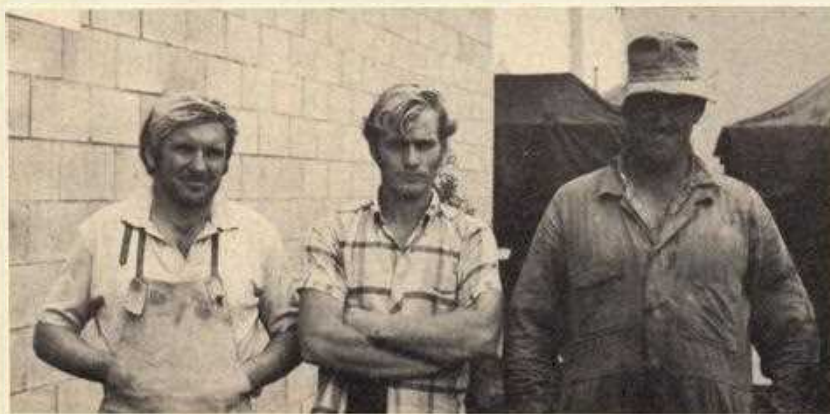
The average monthly bag sales through the store exceed 1000 tons of cement and 50 tons of hydrated lime. A.P.C. and Onoda products are also handled through this store. They include cement, lime, off-white and white cement and cement additives.

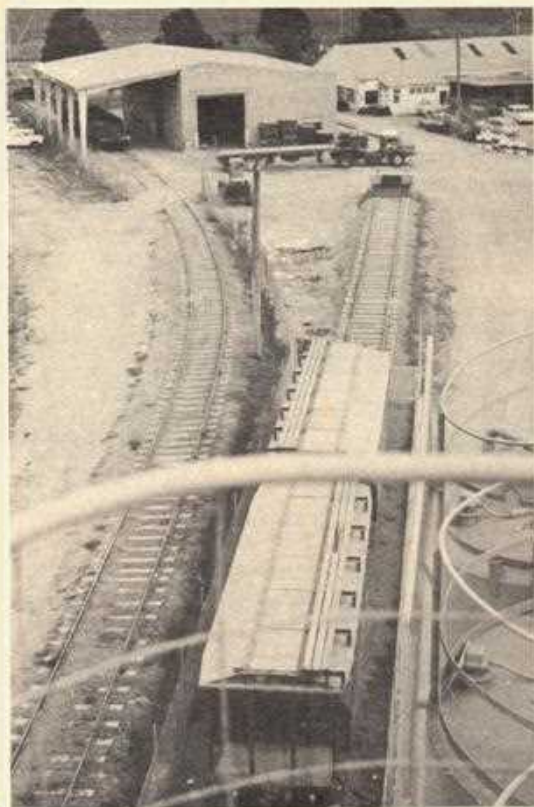
Ray McGowan is the Fork Lift Driver and is constantly loading and unloading all types of bagged cement and lime. Deliveries of A.P.C.L. Bulk Cement are also handled through the Canberra Store.

The Bulk Depot, situated down the yard, is cared for by Kevin Welsh and Bill McKenzie. The bulk rail trucks arrive from Berrima, are unloaded, and the cement stored in four 100-ton silos, one 70-ton silo and one 50-ton; the latter is for the exclusive use of Ready Mixed Concrete. Ready Mixed take about 150 tons per day. The mixing plant can be seen adjoining the silos and the trucks are loading and delivering continuously. Sales of bulk cement average 5000 tons per month. The largest customer is R.M.C.

Bagged Cement deliveries are cared for by contractors, Jim Buckley and Trevor

Over for Plant
pictures.





Above: Graham Morris attends to Depot maintenance.



Above: A bulk loader driver closes the screw conveyor before taking his load. Top left: View of depot from top of silos. Bottom left: Inside the store. Below: Rail unloading bay.



JUNIORS

How can sound come into a room through a wall?

When a sound wave travelling in the air reaches a wall it communicates itself to the wall, which is thrown into waves of exactly the same shape and number in each second, but of rather smaller size, for a little power is lost in transferring the waves.

The waves travel on through the new medium, as it is called, and are then conveyed by it to the air on the other side of the wall. In the same way as a drum when it is beaten, shakes the air next to it into waves. In this second transference back to air again, a certain amount of power is again lost, and so the sound is weakened by passing through the wall. So when we go into another room and close the door, the radio or TV will not sound so loud.

Of course the extent of this weakening of the sound will depend on the thickness and on the kind of material of which the wall is made. If we have materials like wool or sawdust, or heavy curtain hangings, which may not vibrate at all, they will absorb most of the sound and it will become very faint.



Price Waterhouse auditors visit Berrima plant. Left to right: Bob Travers, Kevin Barwick, Laurence How, Geoffrey Day.

DO ANIMALS TALK TO ONE ANOTHER?

People used to think that only human beings could talk to one another. But no one who knows animals now doubts for a moment that many kinds of animals can talk to one another. Of course they do not use our kind of talking.

Monkeys, for instance, make many kinds of sounds which quite evidently have different meanings. A human baby before it can talk makes different sounds. In the same way animals, by the sounds they make, can express fear, joy, anger and many other feelings with their voices. This is a kind of talking.

Many insects can talk to each other in a different way. Especially is this so with the social insects, insects that live together in a community like ants, bees and wasps. If they could not "talk" to each other they could not live together in communities as they do. The insects have long feelers with which they seem to touch each other in different ways, and in this way they "talk" through touch.

Maybe you have a pet, a dog, a cat, a horse. They certainly let you know what they want. This is a kind of talking. Maybe you have heard the old saying, "Actions speak louder than words!"

—oOo—

MILSTONES PASSED

Hard work and perseverance have rewarded the following:

Noel North and Roger King who completed the Electrical Engineering Certificate.

Bernard Rowley who is now an Electrical Fitter.

Mick Eirth and Roger Goward who are now Mechanical Fitters.

Daryl Bryant of Marulan who is also a Mechanical Fitter.

Warwick Best who completed indentures as a Certificated Engineer and is continuing his University Course in order to obtain his B.E. Electrical Engineering.



Eric Saxton retires from the General Office

After about 6½ years with S.P.C. Eric retired last month. He left Hawkesbury College in 1923 and settled on a property at Wildes Meadow, vegetable growing and dairying.

Dairying became his main objective and about 1937 he installed the first milking plant in that part of the district.

The war years brought about the mechanisation of the property, changing the whole routine of farming.

On leaving farm life in 1963, Eric was appointed to the position of Senior Clerk and Cashier at the Dairy Farmers Co-op and Milk Co. stores at Robertson. He held this position until the store closed in 1966. It was then that he took up duties at S.P.C. in the Stores Clerical Department. Later he worked with stores Costs, and also assisted the Paymaster.

We wish him a long and happy retirement.



SPC Hockey Team taken at Exeter during the Knock-out competition.



Berrima Grapevine

Bob Friend of the Power House went down to his favourite spot, Comerong Island, along with his nephew and family at Easter. The children were very interested in the birds and fish.

In addition to various kinds of sea birds, they saw a honeyeater, a flying fox and many dolphins gliding through the waves. The party caught 15 bream and whiting; of these the boy caught six.

—oOo—

Once Again
Congratulations

to Dot and Dave Perry on the birth of Heidi-Ann on Friday, March 16th, 1973.

—oOo—

Alan Ducksbury gave us the news that the Electrical Shop is starting a new series of fishing expeditions.

The first of these will be to Burrinjuck Dam on May 29th. Nine electricians are expected to take part. There have been good reports of trout.

—oOo—

Congratulations to Mr. and Mrs. Chris Sonter on the birth of a son on the 21st April. He has been named David Christopher.



Result of Matchphrase Competition

1st PRIZE — \$5

Arthur Johnson — Berrima.

Starter *Matchphrase*

Think — Hard hats keep you a-"head".

2nd PRIZE — \$3

Also goes to Arthur Johnson.

Think — No Seatbelts? Fly now, pay later.

3rd PRIZE — \$2

Mrs. G. Brooks — Moss Vale.

Think — Only fools use wrong tools.

4th PRIZE — \$1

Cathy Brooks — Moss Vale.

Wrong tool — started job, no Bob, we sob.

Right: Action pictures of the SPC Hockey Team in the Knock-out competition.

THIS MONTH'S SAFETY COMPETITION

SAFETY SLOGANS

About two years ago a number of very good safety slogans were entered in our competition which was then running, and useful cash prizes were won.

In order to write a safety slogan, think about safety in all its aspects, and in various situations on the plant, on the road, and in the home. Jot down your thoughts, just one or two lines, then change the wording, if you wish use rhyme and rhythm, but this is not absolutely necessary.

To give you an idea how to win, here are a few slogans that have won prizes in the past:

"In order to collect full pay,
Just work safely every day."

"Machines are protected, are you?"

"Broken toes you'll never fear,
When safety boots are part of your gear."

Have a go; you are allowed two entries.

FIRST PRIZE — \$5

SECOND PRIZE — \$3

THIRD PRIZE — \$2 and SIX prizes of \$1 each.

Closing Date: 10th June.



GARDENING NOTES FOR MAY

FLOWERS: SOW: Antirrhinum, Candytuft, Calendula, Godetia, Linaria, Lupin, Nemophila, Stock.
 PLANT: Anemone, Antirrhinum, Bellis Perennis, Dianthus, Pansy, Polyanthus, Primula, Iceland Poppy, Ranunculus, Stock, Wallflower.

VEGETABLES: SOW: Broad Beans, Endive, Peas, Parsley, Onion.
 PLANT: Cabbage, Rhubarb, Eschalots, Garlic, Jerusalem Artichokes, Asparagus.

March was again a very dry month with less than average rainfall. This was an advantage as it helped to dispel some of the fungus troubles which had built up during the February humidity.

Flowering Cherries, Maples and Liquidambers are now showing their full Autumn beauty, and many deciduous shrubs should be making colourful corners in the garden.

Most Dahlia plants have now been caught with frost and have died back, so these can be cut to within 12 inches of the ground. The tubers may be lifted, labelled and stored in dry sand to which a fungicide, such as Bordeaux powder, has been added to prevent rot and keep away slugs and other insects which would attack them during the dormant period.

Chose deciduous shrubs and trees now for June and July planting. Holes for these can be prepared this month. Some Winter and early Spring-flowering shrubs should be included to give colour during the colder months.

Make sure the soil is moist in newly planted lawn areas to keep the grass growing.

Dig out and burn any old diseased flower and vegetable plants to prevent spores being carried over to the next planting season.

Spray fruit trees now with Bordeaux or an all-purpose spray to control fungus diseases, giving another spraying just before Spring growth commences.

Fruit fly was bad in the area this year again and this usually indicates that control measures have not been carried out properly. Be careful to *burn or bury deeply* any infected fruit.



On the 19th January this year, J. Zaransky's Safety Group reached 6 years without a lost time accident. Left to right: Peter Hremeviuc, Ken Lamb, Phil King, Ron McKeown, Frank Mitchell, Bruce Clynes, John Zaranski, Bob Nolte, Ken Waddell, Ted Elton, Trevor Rebbeck, John Chapman, Les Humphries, Safety Officer.

THE BHP WAGES EMPLOYEES' RETIREMENT FUND

Annual Report FOR THE YEAR ENDED 31st OCTOBER, 1972

Revenue Statement

Year Ended 31-10-71				
\$11,873,990			Continuing Members' Accounts — Carried Forward from Previous Year	\$14,443,910
			INCOME	
\$1,084,244			Members' Contributions	\$1,178,967
1,624,038			Companies Subsidy	1,765,754
	887,249		Income	1,108,522
			Less—Interest Credited to Reserve Account	3,628
882,538	4,711			1,104,894
			Additional Sum Required to Provide Death and Incapacity Benefits	205,696
3,748,596	157,776			4,255,311
15,622,586				18,699,221
			LESS EXPENDITURE	
	204,827		Deaths	285,365
	149,037		Incapacities	244,476
	220,964		Normal Retirements	401,061
			Employees Staffed — Transferred to Staff Superannuation Fund	109,829
	129,012		Other Retirements	204,942
	191,655			
895,495			Total Settlements	1,245,673
\$14,727,091				\$17,453,548

Prior to taking into account uncompleted claims and cash in transit from the various member companies investments totalled \$17,210,205.

Income was allocated to Members' accounts at the rate of 7.25%

Membership

During the year to 31st October, 1972, members increased by 992 to 16,418 as follows:

Membership at 31st October, 1971:	15,426
Add New Members	2,465
	17,891

Less Normal Retirement	221
Early Retirement	11
Resigned	735
Decreased	105
Incapacity	105
Retrenched	32
Ill Health	36
Transferred to Staff	167
Other Retirements	61

1,473

Membership at 31st October, 1972	16,418
----------------------------------	--------

Total membership represents 68% of employees eligible to join the Fund.

Death and Incapacity Benefits

Since the inception of the Fund on 1st November, 1965, death and incapacity benefits amounting to \$2,210,839 and normal and early retirement benefits totalling \$1,068,509 have been paid.

PS
BERRIMA MARULAN



MEDWAY SYDNEY

— Southern Portland Cement Ltd. —

NEWSLETTER

VOL. 2 - No. 1

JUNE 1973

OUR
NEW
GENERAL
MANAGER

Mr.
Rex Williams

“... let
us
make
the
next
12
months
the
best
ever”



XX

VOL. 2 — No. 1

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A Visitor from Goliath Cement, Tas-	Credit Union News.
mania.	

14th of the month prior to the month of issue.

Message from the General Manager...

Despite twelve months already served with S.P.C., I regret that there are many of you that I have not yet met personally. I will certainly be aiming to correct this situation in the coming months.

Fortunately John McNicol has been made a Director of S.P.C. and hence will be continuing his association with our Company, although on a less direct basis. He has seen the Company grow considerably during his time with S.P.C. and I hope that I will be able to say the same in years to come.

Our future depends upon everyone of us working well as a team. There will be many new challenges ahead but obviously S.P.C. is used to successfully meeting challenges. To assist us in doing this we will be introducing our Zero Defects campaign within the next month, I hope that we will all put our full support into this campaign.

Our last twelve months has been a most successful year, from now on our markets will be reaching close to our full capacity in all areas and we must ensure that breakdowns are avoided and minimised if we are to gain from the benefits of full production.

We are now embarking on a new financial year from June 1st, let us make the next 12 months the best ever.

REX WILLIAMS

Editorial

An article recently published in the magazine 'Plain Truth' gave some staggering facts on Coronary Heart Disease (CHD) in Australia. CHD kills 159 Australians every day. Taking the man-hours lost to companies, hospital payments made by individuals and by insurance and health schemes, it has been estimated that CHD costs Australia two million dollars a day.

The Commonwealth Bureau of Census and Statistics lists Heart and Blood vessel disease as being responsible for 55% of deaths in Australia as against 3.5% for road accidents.

Medical men have discovered certain 'risk factors' to avoid if we want to beat CHD. The three primary ones are high blood pressure, high blood cholesterol, and cigarette smoking. Any one of these will increase the risk of CHD to above the average level, and if two or all three of these factors are present the risk is increased to a far greater extent.

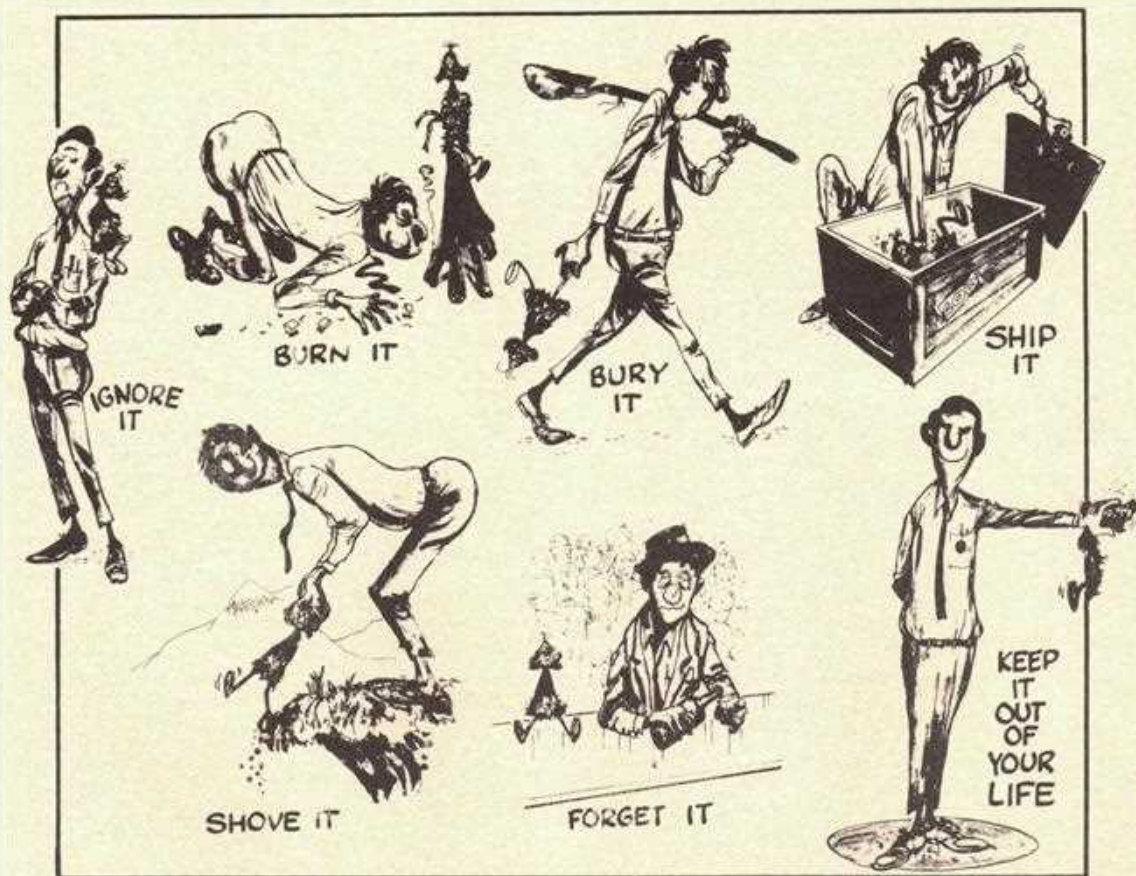
The important secondary risk factors are:- physical inactivity, excess weight, and what is called a Type A personality, that is, a person who has a driving, competitive, restless and impatient personality.

The incidence of the disease has increased in the more highly 'civilized' countries in the last sixty years, with the exception of the world wars in certain countries. At the end of World War I, German doctors noticed a decline in heart disease in Norway, and also in World War II a decrease was noticed. This was apparently due to rationing of food, less sugar, and the drop in tobacco consumption.

We can do something for ourselves in this matter. For one thing, why can't we have more patience with others, and with ourselves? Cut out the incessant 'driving' of ourselves when we really need to stop for awhile? This will help to keep down the blood pressure. We can cut down on our consumption of animal fats, and also sugar, we can cut down on cigarette smoking, or better still quit it altogether. We can exercise sensibly, not violently for a short space once a week or once a fortnight.

One of the greatest missionaries of all time, Paul in the New Testament, expressed a helpful thought, he said in effect, 'Whatever happens I have learned to be content.' Contentment surely is one of the secrets of good health, and it will certainly help in combating this matter of Heart disease.

THE LIGHTER SIDE OF ZD



What do YOU do with a Defect?

(Reprinted by courtesy of the Cubic Corporation, U.S.A.)

THE GENERAL MANAGER HAS ANNOUNCED THE FOLLOWING STAFF APPOINTMENTS, EFFECTIVE FROM MONDAY, 4th JUNE, 1973

Mr. J. GRILZ — Electrical Investigation Engineer.

MR. K. GRAHAM — General Maintenance Foreman.

MR. R. KING — Assistant Electrical Maintenance Foreman.

Marulan Grapevine

Its good to see Mick Cosgrove back at work after two months in hospital.

—oOo—

A few weeks ago the Marulan boys received another bonus for a recent production record.

—oOo—

Safety Coupons have now reached 20 each month, if all goes well it will be 360 days up before this magazine is published.

Our Soccer boys are going like lame horses — what's wrong?

—oOo—

The Golf boys have been doing O.K. if we can believe the scores. The big boys; Cliff Shepherd, Brian Fletcher, Stan Murphy and Eddie Reid.

—oOo—

Bruce Murphy has given the bush away. He has bought a house in Goulburn.

—oOo—

The Snowy Mountains have proved popular this year so far. Alan Chapman, Tony Cosgrove and Jack Scahill went touring.

—oOo—

Wyangala Dam has also proved a popular resort. "Slab" Shepherd, Barney Eddie and Geoff Bell took holidays there.

—oOo—

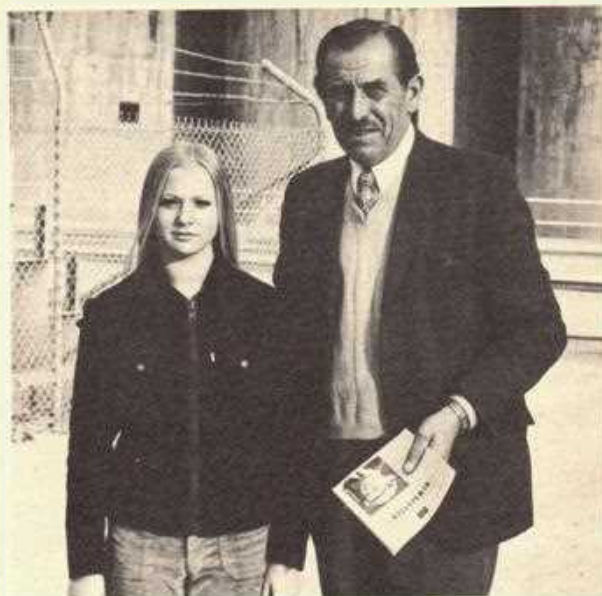
During the week following Easter, fishermen John Plonski, Lawrence Clack and Lindsay and Jim Smart also tried the dam.

—oOo—

Alan Johnson and wife (nee Carol Pierson) spent holidays on the North Coast. Mrs. Trevour Pierson also went along.

—oOo—

Also not long returned from holidays, Colin English, Howard Rowley, Frank Norman and Dennis Marsden.



Roswitha Opfermann with her uncle Milun Manojlovic of the Laboratory. Roswitha spent her recent holidays with her aunt and uncle at New Berrima. Here, Milun is showing his niece round Berrima Plant. Roswitha is in 6th Form at Warners Bay High School, Newcastle. At the age of 16, she is already doing well in her study of English, French, and German languages.

Below:— Children of Wingello, Penrose and Tallong Primary Schools visited the Berrima Works during May. Teachers accompanying were Leon Lentfer of Wingello, and assistant Robin Holmes, Geoff Holmes of Penrose and John Henry, Tallong.





FIRE FIGHTING DEMONSTRATION

A recent safety film on the extreme dangers of fire, and methods of preventing and controlling a blaze, led to a series of talks by Alf Knapman at the safety meetings. Alf explained the various types of extinguishers used on the plant and the correct manner in which to use them.

At the end of this series of safety meetings a practical demonstration was arranged in the yard of the Berrima Plant.

Bob Friend, who has the responsibility of checking all extinguishers at frequent intervals, and arranging refills, poured oil into a tray, and after it was lit gave a demonstration. Several employees tried their hand at using the two main types of extinguishers in use at Berrima plant, namely Dry Chemical and Carbon Dioxide, as shown in the photographs.

Bob recharges the dry chemical extinguishers himself at the works. They are filled with 20lb of Bicarbonate of Soda and a 5oz cylinder of Carbon Dioxide; the latter exerts the pressure needed in order to send out the powder in a fine spray.

The Carbon Dioxide extinguishers are sent to Clayton Bros., Wollongong, for recharging.

As will be seen in the photographs, S.P.C. use Quell fire fighting equipment. The Quell catalogue presents some interesting and useful information, as the following extracts testify.

Three elements are necessary to have a fire: Fuel, air and heat. Remove any one of these and the fire goes out.

HOW TO PREVENT FIRES

Don't give them a chance to start. Keep all areas clear, don't accumulate rubbish. Store and handle flammable goods carefully. Use safety carrying and pouring cans.

Use only approved electrical fittings; and keep them in good working order.

Don't overload circuits.

Install an adequate number of the right type of fire extinguishers. Keep these in good working order. Know how to use your fire extinguisher.

GOOD HOUSEKEEPING IS THE FIRST PRINCIPLE OF FIRE PREVENTION.





WHAT TO DO WHEN A FIRE STARTS

Don't panic. Keep calm and think. Warn everyone in the building. Those not needed should leave the building at once. Tell someone to phone the fire brigade. Stay between a doorway and the fire. Use the right type of fire extinguisher. Have others back you up with more extinguishers.

Be confident, you know how to use the fire extinguishers. Attack the fire energetically. If the fire is too large for fire extinguishers get out of the building and close the doors.

THERE ARE THREE MAIN CLASSES OF FIRE — A, B & C

CLASS A fires are in ordinary free burning materials, such as paper, clothing, packing materials and timber. This class of fire is extinguished by removing the heat. Cooling the temperature of the burning materials to down below the point of com-

bustion. For this type of fire we use the soda and acid extinguisher. These are installed in our offices. Of course water can also be used.

CLASS B fires are in liquids such as petrol, spirits, paint, lacquers, thinners, varnish, fats, waxes, oils, greases and many chemicals in liquid form. Both the carbon dioxide and dry chemical extinguishers can be used on these fires.

CLASS C are electrical fires and only extinguishers that are not conductors of electricity must be used. Again either the CO₂ or dry chemical can be used.

The carbon dioxide extinguishers can be used several times and are checked weighed in order to find out how much CO₂ remains.

If you have not seen an extinguisher in use, go and read the instructions on the one nearest to your work; make sure you know how to use it in an emergency.



Fishy Tales

As far as my fishing activities are concerned, my recent holiday on the North Coast of N.S.W. and into Queensland should be headed: "The Unsuccessful Hunt for Fish." When I spoke to Bill Gale on my return and he told me his daughter Lindy had landed 5 good Bream at Forster I realised I was losing my touch! Apparently she had the right idea, fishing with split shot near oyster beds. Oyster beds are a really good hang-out for Bream but unfortunately, unless one fishes from a boat, the possibility of getting the line snagged or cut on the sharp oyster shells is always there. I like Bream fishing. The tackle required is light, say a 6 pound line with a 1/0 hook and as small a sinker as you can get away with. I mean just enough lead to take the bait to the required spot. Mullet gut is good Bream bait, as is prawn or strip mullet. They will also bite on pippies, yabbies, cheese and "puddin". The latter being a paste of garlic sausage, bread, cotton wool and other selected ingredients!

I bagged a few small Bream, Flathead and Whiting while on holidays from Port Macquarie north to Noosa, estuary and beach fishing was definitely poor, while south, especially in the Newcastle and Shoalhaven area it was said to be good. A few good Tailor were taken at Crescent Head and three Jewies of 84, 57 and 38 lbs. each were taken off the main beach. Pippies are plentiful on most N.S.W. beaches but are practically non-existent in Queensland.

As far as local fishing goes it has not been very good. However, Ken Szwarc bagged 25 good Tailor off the Coal Wharf. Whiting should be good now on the main beach at the island and some Jewies should be about. I haven't seen Tom Bourne since he retired, but hope he hasn't broken his good new rod!!

STOP PRESS: Bob Friend landed some nice Bream, one being 16" long. We estimate this could have been anywhere between 4 and 5 lb. which is a mighty Bream.

Obituary Alan Foreman

The end to a promising career came when Alan recently died in a road accident near Mittagong. Alan was an Electrical Fitter-Mechanic, employed at our Berrima Works.

He commenced his apprenticeship with S.P.C. in 1966, successfully completing his course in October, 1971.

Alan's father is also employed at S.P.C., and his sister, Mrs. Pam Lloyd works in our General Office.

The funeral was held at Leppington Lawn Cemetery on Friday, 18th May. Well over one hundred mourners were present, among them a large number of Alan's workmates.

The Company was represented by Mr. John Medland, Electrical Engineer, also present were Mr. John Grilz and Mr. A. Strobe — electrical foreman and assistant foreman respectively.

The sympathy of us all at "Southern" goes out to Mr. and Mrs. Foreman and all members of the family.

Len Pole

Len had suffered ill-health for some time, and because of this retired towards the end of last year, 1972. He departed this life on June 5th, 1973. Many years ago he worked at the Quarry, and during the Second World War, served in the Air Force. After the War he took up carting on his own account, but in 1961 he was back at the Quarry.

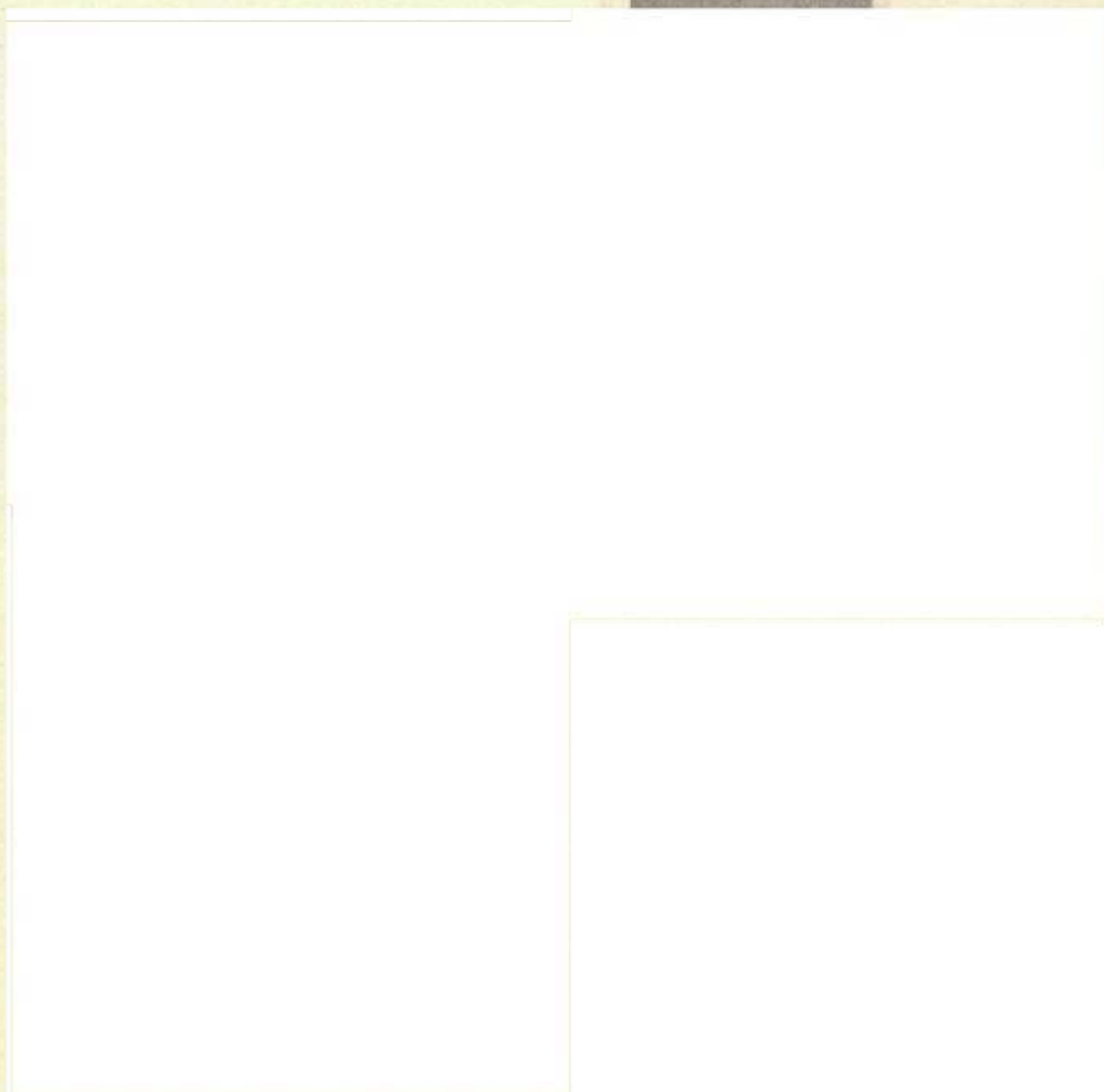
Well known as a First Grade Cricketer, it was during a match that he suffered his first heart attack. Following this he continued at the Quarry for about 5 years driving the Machine Shop Vehicle. Retiring from the quarry, he became Bar Steward at the Marulan South Bowling Club.

Len was laid to rest at the Goulburn General Cemetery.

We offer sincere condolences to his wife, son, daughter, and son-in-law, Mr. Eddie Cooper.



An overall view of Villawood Bulk Depot.
Bottom left:— Foreman in charge, Mr.
Jack Stedfut.



temporary basis in 1945. The temporary job lasted at Berrima until 1960. The Villawood depot was opened in 1960 and Jack transferred there about two months after its opening. He has served there ever since. Peter Cartwright, also known to employees at Berrima, is Jack's assistant, he also served as an able guide.

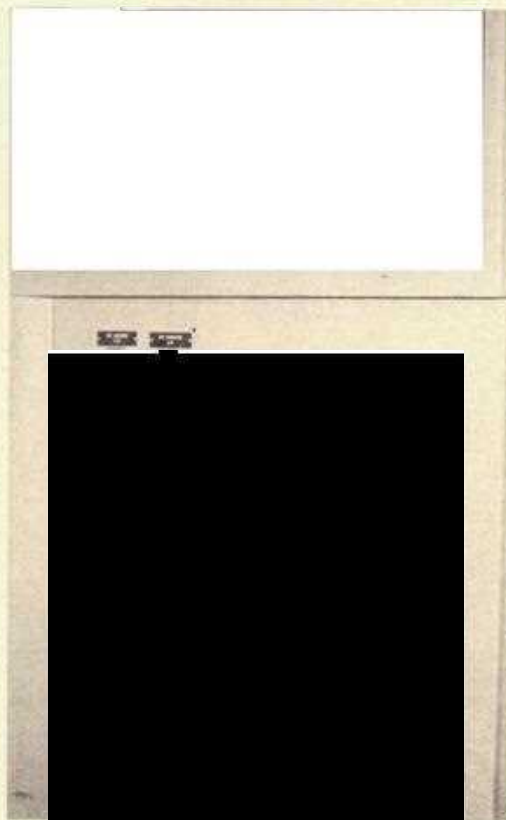
Dick Carpenter, Weighbridge Attendant is kept constantly on the go as flyash comes in and cement and blend go out. Bulk trucks seemed to be everywhere. Dick also gave much useful information. Jim Tinham, yardman, and three bulk cement unloaders, Dennis Kearns, Reg Woods, and Joe Drzola, made up the work force on the day of my visit. I was informed that one worker was absent. Jack told me of the recent sales record and put me in the picture regarding the workings of the depot. An average of between 600 and 700 tons of cement arrives daily from Berrima. After unloading, the cement is conveyed first by screw and then bucket conveyor. It is elevated to the bins at the rate of 140 tons per hour.

Storage capacity at the depot is 1,200 tons, there are 6 bins, 2 of 90 tons capacity, 3 of 260 tons and one of 240 tons. They are used for Cat. B. Cement, ordinary cement. Flyash and Blend. The bulk of the sales at Villawood is made up of a blend of ordinary cement and a fine ash from Power Stations, called 'Flyash'. The blend is generally 75% cement and 25% flyash. This blend is of good quality, but of a lower compressive strength than ordinary cement. It is called Portland Flyash Cement, and it is excellent for sub-foundations, foundations, also large areas of ground-flooring where it is very durable. It can be used to good effect wherever a high compressive strength is not necessary. The whole blending process is controlled electronically. The required mix is set, and weigh feeders regulate the exact amounts. In the weigh-handles 93 tons per hour. In the weigh-bridge office is an Integrator Panel. It shows the tonnage of flyash and cement being blended and also the total blend tonnage.



Mr. Peter Cartwright, Jack's Assistant.

Below:— Flow chart and control panel.





Left:— Weighbridge attendant, Dick Carpenter.

Below:— Bulk Unloaders.

Left to right:— Dennis Kearns, Reg Woods, Joe Drzola.



Above:— Yardman, Jim Tinha.

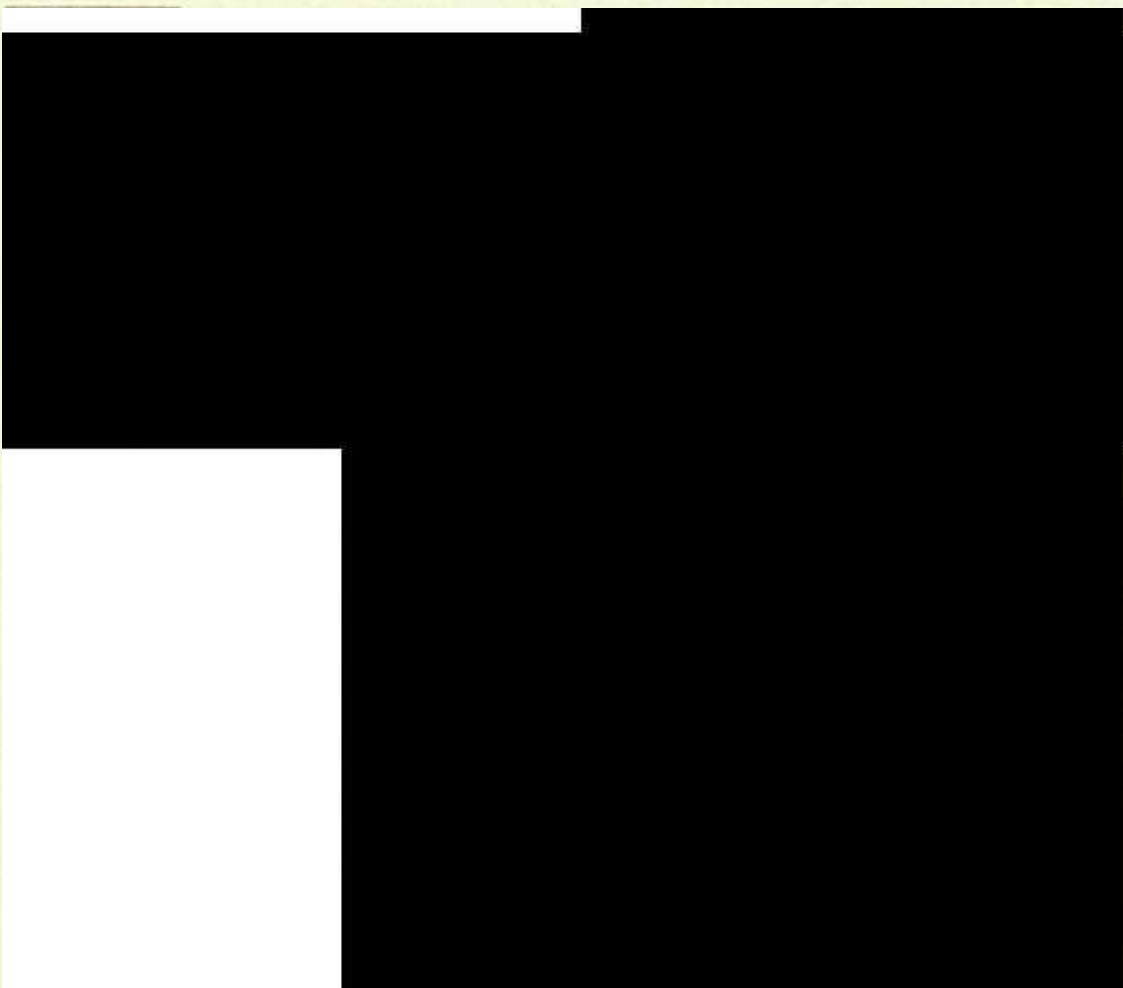
Right:— Dick and a "regular customer" on the job.





Left:— Driver Rod Thomson prepares to unload fly ash.

Below: — Trucks being loaded.



Hints on Making Good Concrete

MATERIALS AND MIXES

A good concrete should have strength and also resistance to wear. This will be dependent on the quality of the materials used and also the standard of workmanship. In order, therefore, to obtain best results, the sand and gravel used should be hard, clean and durable. Sand containing clay, vegetation, roots or dirt should not be used. Gravel or coarse aggregate should be clean and should not consist of soft or flakey material such as sandstone or slate. Generally, the maximum size of coarse aggregate should not exceed one-fifth the

thickness of the concrete, nor $\frac{1}{4}$ of the clear spacing between reinforcement, if applicable. For most jobs a $\frac{3}{4}$ in. max. size aggregate is suitable. Water should be of a purity suitable for drinking and excessive mixing water should not be used — just sufficient being added to obtain a plastic, cohesive mixture that can be worked into place and thoroughly compacted.

Suitable mixes for various mixes is given in Table 2 and the quantity of materials required for 1 cu. yd. of concrete is given in Table 3.

Suitable mixes for various classes of work are given in Table 1. The yield or volume of concrete produced from 1 bag of cement for various mixes is given in Table 2 and the quantity of materials required for 1 cu. yd. of concrete is given in Table 3.

Table 1
CONCRETE MIXES FOR VARIOUS JOBS

A	1:1½:3	High structural strength concrete for thin reinforced walls, slender reinforced columns, fence posts, heavy-duty floors.
B	1:2½:4	Commonly adopted mixture for reinforced concrete beams, floor slabs, driveways, paths.
C	1:2½:5	Footings for domestic buildings and walls.
D	1:1:2	Topping for two-course concrete paths.
E	1:2½	Plaster coats for cellars, tanks, dairy walls, etc.
F	1:3	Mortar for wall plaster, rough casting and stucco.

CONCRETE MIXES AND THEIR YIELD

Table 2
SMALL BATCHES OF CONCRETE

Mix	Cement (Parts)	Sand (Parts)	Gravel (Parts)	Water per bag cement	Yield (cu. ft.) per bag cement
A	1	1½	3	4.7	3.55
B	1	2½	4	5.6	4.90
C	1	2½	5	6.1	5.50
D	1	1	2	4	2.70
E	1	2½	—	4.5	2.45
F	1	3	—	4.9	2.80

Right:— Bill Barron, who is a Tester in the Laboratory of Goliath Cement, Tasmania, recently toured Berrima Plant.



Process Control involves the checking of the limestone, clay, iron-ore, sand, gypsum and coal so that the resultant clinker and finally the cement is satisfactory. Moisture content and fineness of materials are checked regularly, as this affects the feed and production rate.

Before the materials are analysed, much time is spent in the preparation of a representative sample.

Testing is divided into roughly two sections. First the chemical section conducts the analytical work, and secondly, the Physical Department checks to see that the finished product conforms with the users requirements. A certificate of chemical and physical quality can then be issued.

All tests are carried out by a highly experienced staff, and the Laboratory is registered under the seal of N.A.T.A. (National Association Of Testing Authorities) to carry out both chemical and physical tests on cement, concrete and allied materials.



Above:— View of wet Lab.



Left:— A view of the furnace room.

Below:— One of the strength testing machines for Concrete and Mortar.





Cement Testing at S.P.C.

by Rus Greaves—Asst. Works Chemist

The word 'specification' is ever present in the Laboratory making sure that the materials used produce a product that will conform to the required specification.

Cement in particular has to meet the Australian Standard Specification A2, for types A, B, C and D. Some customers insert an additional requirement to satisfy their particular job, and needless to say the original specification limits still have to be met.

Work is done on various materials as used by customers to determine their suitability.

Table 3
MATERIALS REQUIRED TO MAKE APPROXIMATELY 1 CU. YD.

Mix Nominal Proportion		Cement (bags)	Sand (cu yds.)	Gravel (cu yds.)	Water Gals. per bag cement
A	1:1½:3	7½	½	1	4.7
B	1:2½:4	5½	½	1	5.6
C	1:2½:5	5	½	1	6.1
D	1:1:2	10	½	1	4
E	1:2½	11	1	—	4.5
F	1:3	9½	1	—	4.9

ESTIMATING AND QUANTITIES

Before commencing concreting operations it is advisable to ensure that sufficient materials have been stockpiled. As an example in calculating quantities of material consider a concrete path 12 ft. 0 in. long x 3 ft. 0 in. wide x 3 in. thick.

From Table I use a 1:2½:4 mix.

Volume of concrete required = $12 \times 3 \times 3/12$ cu. ft. = 9 cu. ft. or 1/3 cu. yd.

From Table III

Number of bags of cement required = $1/3 \times 5½ = 1.8$, say, 2 bags.

Volume of sand required = $1/3 \times 1/2$ cu. yd. = 1/6 cu. yd.

Volume of coarse aggregate required — $1/3 \times 1$ cu. yd. = 1/3 cu. yd.

Water required = 1.8×5.6 galls. = say, 10 gallons.

When calculating quantities of materials required add approximately 10 per cent to each amount to allow for losses in storage and for irregularities in the sub-base material in the case of paths, drive-ways, foundations, etc.

Where the sand is damp, the quantities of water shown in Tables II and III may require to be reduced by up to 20 per cent. —the exact amount will be determined by the degree of workability obtained.

MIXING AND CURING

Mechanical mixing of concrete is to be preferred to hand mixing wherever possible. Whichever method is used, the materials, including water, should be carefully measured to obtain a uniform concrete and to avoid waste.

For small projects, a mechanical mixer of 1½ cu. ft. capacity, or less, is adequate.

Thoroughly clean the mixer bowl before batching. The first batch should be treated as a trial mix to assess the correct volume of water and the workability of the concrete.

First place about one-quarter of the water in the bowl and add the coarse aggregate. The sand, cement and remainder of the water may then be added. Continue mixing for at least two minutes or until the mixture is uniform in colour and texture and then discharge.

HAND MIXING

Concrete should be mixed on a clean, hard surface or platform of boards. For small batches a wheel barrow can be used as a mixing bowl.

First spread a measured quantity of sand and coarse aggregate in a flat heap and place the correct proportion of cement on top of it, then thoroughly mix by turning the materials over with a shovel until the whole mass is of uniform colour.

If a coloured pigment is to be incorporated it should be added to the cement before mixing with the sand.

Finally, measure the water and sprinkle it slowly over the heap from a watering can fitted with a fine rose, stopping frequently to turn over the mix. Continue turning it over until the materials have been combined into a plastic mass of even colour and consistency. It is most important that the materials are thoroughly mixed before and after adding water.

Concrete should be placed within half-an-hour of mixing.

To be continued next month.

Reproduced from Cement and Concrete Association Brochure.



Left:— Cement Miller, Ted Babula, stands by the old Cooling Tower Shell.

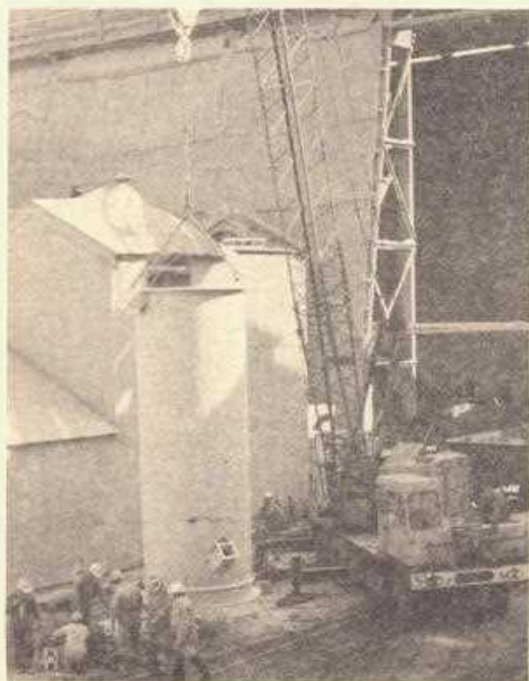


Above:— S.P.C. Mobile Crane carries the new Cooler Shell to the contractor's crane.

Below left:— The Contractor's crane stands the shell upright, ready for the lift into the mill building.



Below:— Starting the long lift.



REPLACEMENT OF THE No. 1 and No. 2 CEMENT MILL COOL- ER SHELL

From our Production Department

During the month of May the No. 1 and No. 2 cement mill cooler shell and associated equipment was replaced.

The work was carried out by the contracting firm of Simon Carves (Aust.) Pty. Ltd.

The work entailed the removal of the old shell, cement screen, drive motor and gear box.

A new shell and cement screen were installed whilst the drive motor and gear box were overhauled in our workshop.

The drive motor and gear box were re-located in the cement mill to facilitate easier access for periodic maintenance.

All this work was carried out in nine days under the guidance of the Project Manager, Mr. E. C. Liu, who was assisted by Mr. R. Magnus, the construction supervisor for this job.

This work completed the general overhaul of the No. 1 and 2 cement mills.

Previous stages of the work were reported in the November-December, 1972 and March, 1973 issues of the SPC Newsletter.



Above:— Careful manoeuvring was required to place the shell in its final position.

MRS. C. BOTTOMLY

It is with sorrow that we record the death of a Marulan South identity who will be greatly missed.

Mrs. Bottomly took a great interest and gave much practical help in local affairs.

She was the mother of a large family, many of whom, at various times worked at the Quarry. Her son Fred is at present a Production Foreman. She died on June 6th at a good age.

To all surviving relatives, all her friends express their deepest sympathy.

MRS. S. KOPEC

We regret to hear of the death of Mrs. S. Kopec Senior, wife of Stan — better known as "Shorty" — who is a welder at the Marulan Quarry. Mrs. Kopec died suddenly.

To Stan, and all relatives, deepest sympathy is extended through this notice from all friends of the Newsletter family.





Above:— Members of the Bowral Methodist Couples' Club, who recently toured the Berrima Works.

Opposite page, far left:— Bill Gale presents David Easter mounted ball 7 wickets for 41 runs.

Left:— Lloyd Veal presents Rodney Moore, Fielding Trophy.

Right:— Bill Gale presents Lloyd Veal mounted ball 3 wickets in 3 balls.



What do you Suggest?

That's a question that stimulates thought, and helps to bring out into the open latent ideas that can be put to practical use, often saving time and money, or making a place safer in which to work:

IS IT WORTHWHILE PUTTING IN SUGGESTIONS?

Although the scheme lapsed for a while owing to some extent to staff transfers, it has now been given top priority.

The following list of May awards will speak for itself:-

J. Pedersen	40 Dollars
A. Suro	30 Dollars
J. Ewart	20 Dollars
C. Ready	15 Dollars
A. Donaldson	5 Dollars
K. A. Waddell	10 Dollars
F. Mitchell	15 Dollars
P. King	10 Dollars
A. W. Betts	10 Dollars
A. Ducksbury	10 Dollars
H. Newman	10 Dollars

Another list will appear in next month's Newsletter. Meanwhile we have reprinted the text of a brochure published by B.H.P. which makes the suggestions scheme very clear, and which will answer most of your questions.

1. WHY HAVE A SUGGESTION SCHEME?

Ideas are the starting point of changes and improvement. They form the stepping stones to progress. Good ideas are valuable to both the Suggestor and the Company. The Company is well aware that sound and practical ideas occur to most of us in our daily work, and we seek your interest and co-operation in bringing these ideas forward for continual improvement in safe and efficient operations.

The Suggestion Scheme aims to:

- Improve safety and efficiency.
- Provide a means whereby suggestions may be properly evaluated and developed.
- Make generous cash awards for successful suggestions.
- Stimulate and maintain constructive thinking by all members of the workforce.

2. MAKE YOUR IDEAS WORK FOR YOU

If you have an idea that will

Improve — Safe working conditions, Methods and procedures, Quality. Products and equipment, Housekeeping, or

Reduce — Delays in production, Waste in materials and time, Wear or deterioration of plant and equipment, Costs.

Present it to us as a suggestion and you could win a cash award.

Suggestions are Everyone's Territory.

3. PRESENTING YOUR SUGGESTION

Write it out clearly — no special form is required, but at plants where special forms are available they should be used.

State briefly — the subject of the idea, what it will improve, where and how it will apply.

If you consider a sketch will help to explain your idea you should include one. It is not necessary for this sketch to be technically perfect.

Don't forget to include your name, department and clock card number.

Put in an envelope, seal it and either place it in a Suggestion Box or post it through the Works or P.M.G. mail, addressed to "The Suggestion Scheme Officer."

Note: If you feel your suggestion is too complicated to put in writing, or you would rather explain in person, simply write out, "I have an idea that I wish to explain personally." When your letter is received you will be contacted.

4. HOW SUGGESTIONS ARE DEALT WITH

You will be advised immediately that your suggestion has been received. It will be considered by the Suggestion Committee and referred to qualified persons in the appropriate department for investigation. If a long investigation or trial is required you will be further notified.

If your suggestion is not accepted you will receive an explanation. (At this stage a personal discussion may indicate that your suggestion has not been properly understood, and that it should be considered again).

5. METHOD OF PAYMENT

If your suggestion is adopted you will receive an award which will be paid by cheque.

If it is not possible to estimate the value of your suggestion without trial you may receive an interim award which may later be followed by a further award.

It should be noted that under sections 25 and 26 of the Commonwealth Income Tax Assessment Act 1936-1967, the Company is required to deduct tax on all such payments.

6. HOW AWARDS ARE CALCULATED

The means of deciding the amount of an award is, naturally, based on the practical value of your suggestion to the Company.

Where a suggestion can be related to a financial saving the award will be calculated as a percentage of the amount which the Company estimates will be the nett saving during the first year following the installation of the suggestion.

7. WHO ARE ELIGIBLE FOR AWARDS?

All employees except certain senior staff. Other staff members are eligible for awards where their suggestion is not related to their particular duties and responsibilities.

8. OTHER POINTS YOU SHOULD KNOW

1. Any award for a joint or partnership suggestion will be divided equally among those concerned unless a written request for other arrangements is made when the suggestion is submitted.
2. If two or more persons submit the same or similar suggestions, only the first received shall be eligible for an award except where special circumstances warrant other action.
3. You may apply for consideration for an award on a suggestion previously rejected if substantially the same suggestion is adopted within three years.

Merit Awards

In some cases when a suggestion is not adopted, but it is clear that considerable effort has been given to developing and presenting it, a merit bonus may be paid. When a suggestion is adopted but cannot be related to a financial saving—such as a safety issue — an assessed award will be paid.

Special Award

The most outstanding suggestion of the year at each Works will receive an additional special award.

Special forms on which you can write your suggestions are obtainable at the Yard Foreman's Office, Berrima, and at Marulan from the Machine Shop Office.



Below:— A Berrima Plant artist with a sense of humour decorated this mysterious object alongside No. 5 kiln. If nothing else, it draws our attention to the revived suggestion scheme. Remember, if you have a suggestion, use the box in the Yard Foreman's office.



GARDENING NOTES FOR JUNE

FLOWERS: SOW: Alyssum, Antirrhinum, Candytuft, Dianthus, Godetia, Hollyhock, Larkspur, Linaria, Nemophila.

PLANT: Antirrhinum, Anemone, Calendula, Iceland Poppy, Pansy, Ranunculus, Viola, Wallflower.

VEGETABLES: SOW: Broad Beans, Onion, Parsley, White Turnip.

PLANT: Asparagus, Eschalots, Rhubarb, Deciduous Fruit Trees, and Berry Fruits such as Gooseberry, Currant, Raspberry, Loganberry.

Liquidambers, Japanese Maples, Scarlet Oaks, Parrotias and Pistacias were generous with their Autumn colour this year, but most Poplars dropped their leaves early this year.

We had very heavy frosts during May and these quickly cut most of the frost-tender flowering annuals and most of the vegetables.

Many places in the garden are very dry as our rainfall has been below average for the early part of the year, so watch for any plants looking droopy and water these sections well, at least twice a week.

This month sees the start of shrub and tree pruning, fruit trees can safely be left until early July and rose bushes until the end of July.

Be careful *not* to prune any shrubs which have already set their buds for spring flowering. These include Camellias, Virburnums, Rhododendrons, Lilacs, Flowering Fruit Trees, Forsythia and many others. A good rule is "*when in doubt prune immediately after flowering.*"

Deciduous shrubs, trees, fruit trees, roses, grape vines and berry bushes should be planted now, whilst they are dormant, making sure that good sized holes are prepared to give the plants a good start.

Dig over any empty garden beds in preparation for Spring planting, and to keep weeds under control.

Plan your vegetable garden planting now!

Limerick Prize Winners

1st PRIZE: LAST LINE:

"Or *they* may be the victim of fire."

\$10 to Roy Taylor — Reprographics Dept.

2nd PRIZE:

"And they will be alive to retire."

\$5 to Bruce Burgess — Power House.

3rd PRIZE:

"That they and thee may wealth and age acquire."

\$2 to Max Thorpe — Colliery.

6 PRIZES of \$1 EACH:

"And make the safety flag fly higher."

Roger Seville — Colliery.

"Of saving lives you should never tire."

Graham Dickson — Berrima.

"To beware, take care or results can be dire."

Mrs. T. Pearson — Marulan.

"To heed, if they want to live to retire."

Mr. T. Pearson — Marulan.

To take care if they don't want to expire."

Mrs. A. Johnson — Marulan.

"And for safety at all times aspire."

Mrs. M. Roach — Berrima.

Let us fit the first prize line to the limerick. It will read as follows:

"Tell employees the facts about fire,

Or they may feed a funeral pyre,

Teach them fire fighting skills,

Practice fire fighting drills,

Or *they* may be the victim of fire."

Credit Union News

Mr. Bill Strong recently gave us the information that the local Government Credit Union with over 100 members decided at a recent meeting to transfer to the S.P.C. Credit Union. They will be joined with us from the 1st July, 1973.

—oOo—

Mrs. Jenny Martin thanks all friends for the lovely gifts received and sends her best wishes to all who know her at S.P.C.

PS

BERRIMA MARULAN



MEDWAY SYDNEY

— Southern Portland Cement Ltd. —

• NEWSLETTER

VOL. 2 - No. 2

JULY, 1973



Berrima Production Group D, with Group Leader Jack Brown, who recently completed 7 years without an accident.

S.P.C. NEWSLETTER



JULY, 1973

VOL. 2 —No. 2

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REGULAR CONTRIBUTORS

BERRIMA . . .

R. Greaves — Fishing.
Mrs. C. C. Crowe — Gardening.
C. Sonter — Nature Notes.
J. Lewis — Bits and Pieces.

SYDNEY OFFICE . . .

Mrs. Lorraine Douglas.
Mrs. Dana Savovich

MARULAN . . .

A. Murphy.

COLLIERY . . .

M. Thorpe.

PHOTOGRAPHY . . .

C. W. Knowlson.
L. Humphries.
C. Glacken.

EDITOR: C. W. KNOWLSON

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—oOo—

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of issue.



Zero Defects

What is it?

Zero Defects is the name of a programme designed to encourage every individual to take pride in doing his job willingly, effectively, and free of any errors or defects.

The main aim of the Z.D. programme is the elimination of defects and errors which cause waste of time, effort and materials.

How often do we hear people say

"Everyone makes mistakes"

"To err is human" etc.

But do we really mean that? Do we say that when the dentist pulls out the wrong tooth or we get short-changed in our pay packet? Or pay for 10 gallons of petrol and get only 9?

We do indeed seem to have two standards — near enough is good enough applies except when we are personally affected.

The Z.D. programme is *not* a speed-up campaign nor a witch hunt. Z.D. is just doing what you set out to do, and doing it right first time. Z.D. is a kind of "do it yourself" quality control by each individual employee in his daily work, whatever his job and whatever his level of endeavour.

K. C. HOWARD,
OPERATIONS MANAGER.

Editorial

By the time you read this issue of our magazine, I will be on the plane to London via Singapore.

For three months the magazine will be under the capable editorship of Mr. Terry Saker, who is at present a Design Draftsman, in our Berrima Drawing Office. Terry is not entirely new to this job, he edited the S.P.C. Newsletter for nine months in 1964.

It was the year 1960 when I and my family left Southampton on the "M.V. FAIRSEA."

I well remember an incident on the journey out. We were just leaving Port Said when we passed our vessel's sister ship the "FAIRSKY" on its way to England. The two ships sailed very close and the band on the Fairsky played Waltzing Matilda. It blared from the loudspeakers across the water. Some of the passengers on both ships shouted "You're going the wrong way!", but I was sure that we were going the right way.

Now, thirteen years later I am still sure that we came the right way. Anyone who has started life anew in a different country will know that at first and for a few years, the going can be rough. But this is a wonderful country and for young people it is a land of opportunity.

I have often been asked "Why did you come to Australia?" One of the main reasons was because of the Children. I thought they might have a better chance in a young country, and this has turned out to be the case.

Why am I revisiting the "old country"? Apart from seeing my relatives, the land where a person is born and brought up is never forgotten. There is an invisible tie that cannot entirely be explained, and so I am grateful that I can make this journey, and have with me my younger son Andrew, as a companion.

Our relatives live in various parts of the country, and we shall also be doing some sightseeing. I hope to bring back pictures and stories that can be used in our magazine from time to time.

Meanwhile, send in your contributions to Mr. Terry Saker and help him to make a success of your S.P.C. Newsletter.

Au Revoir.

S.P.C. SUGGESTION SCHEME LATEST AWARDS — BERRIMA

P. J. Hremeviuc	5 Dollars
A. T. Moule	20 Dollars
C. Ready	5 Dollars
P. King	5 Dollars
T. Waide	10 Dollars

MARULAN

C. E. Riley	10 Dollars
L. W. Lucre	10 Dollars
C. Shepherd	125 Dollars
D. Bryant	10 Dollars
R. Vespignani	5 Dollars
L. W. Lucre	107 Dollars
F. Norman	25 Dollars
J. Muller	10 Dollars
L. W. Lucre	5 Dollars
D. Taylor	10 Dollars
R. Craig	20 Dollars



JOE BIZJAK APPOINTED MEMBER OF THE IMMIGRATION ADVISORY COUNCIL —

On April 17th this year the Minister for Immigration, Mr. Al Grassby, announced the establishment of a Community Relations Committee to enquire into all aspects of discrimination against migrants. This new

Committee is now part of the Immigration Advisory Council.

Mr. Grassby further announced that an additional four members had been appointed. Among these was Mr. Joe Bizjak, Rigger, of S.P.C. Berrima Works.

Joe came to Australia from Yugoslavia in 1951. He worked for some time at the Chullora Railways Workshop, during which time he served as a very effective teenage interpreter. Later he was a waterside worker, followed by a term with the Snowy Mountains Authority.

Joe has a wife and four children, and this fact, coupled with his varied experience, fits him ideally for the job for which he has been recommended by those who have known him over the years.

He is also a member of the Federated Ironworkers Association.

We congratulate Joe on his appointment and feel sure that he will prove a very useful member of the Community Relations Committee.

Meetings of the Advisory Council and Committees are held regularly in the various State Capitals and in Canberra.

Joe feels that guidance from the Committees and Councils will help greatly in furthering the integration of Australians of all nationalities.

S.P.C. GOES METRIC

As from 1st July this year, S.P.C. started selling their products in metric units, replacing the old imperial used since the company started some 40 odd years ago.

The main differences as far as the general public is concerned are that cement will be sold by the tonne instead of the old ton. A tonne of cement, or anything else for that matter, is 1,000 kilogrammes and is slightly less than the old imperial ton. 2,205 lbs instead of 2,240.

A tonne of bagged cement will now be sold in 25 bags each of 40 kg instead of the old 24 bags to the ton. Bagged hydrated lime will be 40 bags of 25 kg to the tonne and quicklime will be 20 bags of 50 kg per tonne.

Of course to be able to make this change-over, quite a few changes have had to be made to equipment within the company. All the weighbridges have been changed over to metric scales. The bagging

machines have been recalibrated to deliver the new weights into their respective bags, and of course the sizes of bags have been changed to accommodate the new volumes now in use.

Also Foreman's report sheets, laboratory reports and all the other bits of paper that have to be filled in each shift, have had to be changed as well. New metric measuring tapes have been purchased for measuring slurry and cement in the various silos.

No doubt these changes will be a bit strange for the various operators, but like decimal currency will be a lot easier to handle once everyone gets used to them. On the engineering side changes are also being made. New metric measuring instruments have been purchased, micrometers, rules etc. The existing machinery will gradually be changed over to metric units as it wears out. This will take time to completely change over, as some of the plant will not be replaced for quite a few years.

S.P.C. Success at Goulburn Tech. College for 1972

HEARTIEST CONGRATULATIONS TO
THE FOLLOWING:—

Gary Hinton who was presented with the Amalgamated Engineering Shield for the highest pass in the final stage of Fitting and Machining.

—oOo—

Prizewinners also in Fitting & Machining:

Stage I: D. Guymer 1st.

Stage II: J. Smart 1st, J. Miller 2nd.

Stage III: G. Hinton 1st.

—oOo—

Certificate in Fitting and Machining:

M. G. Eirth, R. A. Goward, G. J. Rowley.

—oOo—

Certificates in Electrical Fitter-Mechanics.

B. J. Rowley who also collected the certificate for the late A. L. Foreman.

—oOo—

Certificate in Building Foreman and Clerk of Works Course:

R. J. McCallum.

Painting and Decorating, Stage II:

K. McGuigan 2nd.

—oOo—


Peter Galloway, son of Mr. J. Galloway, Apprentice Foreman, received his certificate for the Automotive Electrical (Diagnosis and Performance Tuning) course.

In the Day Secretarial Course, Miss Christine Thompson, who is at present secretary to Mr. F. L. Veal shared first place with Eva, daughter of the editor, both received prizes.

GOULBURN TECHNICAL COLLEGE
PRESENTATION OF PRIZES AND
CERTIFICATES AT THE LILAC TIME
HALL, 4th JULY, 1973 —

This was the 23rd Annual Presentation, and as usual the hall was filled with students, relations and friends.

Continued interest in the work of the college was shown by the presence on the platform once again of Mr. R. Brewer, M.L.A. and Alderman E. McDermott, Mayor of Goulburn, and Mr. M. A. Watson, Deputy Director of Technical Education, was also present.



Above left Mr. J. Giri, right Mr. M. Watson

Mr. J. Giri, Principal of the College once again had a good report to present, and encouraging words for the students.

New courses of study are continually being introduced, and now over 50 courses are offered. In 1972 enrolments reached the total of 1,689.

Technical and further education will become more and more necessary, and the great need for its review and more financial aid is overdue.

Mr. Giri congratulated all those who had received prizes, certificates or statements and thanked all students for good conduct and appreciation of the value of citizenship.

In conclusion he emphasized the value of enthusiasm. He said "Without enthusiasm, a salesman will not make a sale; a manufacturer will not make a better product; a financier will never make an extra dollar. With it, the world is yours, together with a great happiness, born of worthwhile achievements, such is success."

Mr. M. A. Watson, Deputy Director of Technical Education said that the fastest growing industry in the past twenty years was education. With the remendous developments in universities and advanced education, has come the greater need of education as provided by our Technical Colleges. This meant developments in our Technical education facilities at an ever increasing rate, and at a higher level to meet present day demands.

Mr. Watson emphasized that education is a privilege, not a birthright and that it offered the opportunity of mental development, to use, both for the benefit of the student and for others.

He also stressed the great need for leaders at all levels of industrial, commercial and community activity. "The privilege of leadership is available wherever there are groups, and the challenge to accept that privilege is always there."

Our system of Technical Education is striving to stimulate the acquisition of appropriate leadership qualities and to provide the opportunity for the development of these qualities.





Christine Thompson —
General Office



B. Veldhuis, Highest average
over a full course



Heather Knowlson,
The Editor's daughter

SAFETY IN YOUR HOME

KITCHEN: Do you always keep handles of cooking utensils turned away from the edge of the stove?

Do you always keep hot things in the middle of the table?

Do you make sure that the ends of the tablecloth don't dangle enabling youngsters to tug at them?

Do you immediately dispose of cracked glassware and broken china?

Do you make sure electric cords are never trailing?

Are electric cords and fittings in good repair?

Do you always dry your hand before touching an electric switch?

Do you take care to switch off the current after using electrical appliances?

Are your kitchen curtains well away from the stove?

Is your floor always free from grease and not otherwise slippery?

BEDROOM: Do you always refrain from smoking in bed?

Are your children always tucked in properly on a well fitting mattress (no space between mattress and side of cot)?

BATHROOM: Are medicine bottles labelled?

Do you always discard medicines and pills not being regularly used?

Are poisons labelled and kept away from children's reach?

Is it your rule NEVER to leave baby alone in or near the bath or tub?

Do you make sure that portable electrical equipment is not taken into the bathroom—

Are there hand-rails near your bath?

LOUNGE: Are all open fireplaces screened from children?

Are carpets and rugs secure and not liable to slip?

LAUNDRY: Are irons and electric cords out of reach of children?

Do you always switch off the washing machine wringer when you have occasion to leave it?

CUPBOARDS: Are all cleaning materials, kerosene and poisons out of reach of children?

GARDEN: Are all insecticides, weed killers, rat killers, fertilizers and poisons locked up?

Are all gardening tools, rakes, sharp-edged implements and the lawn mower out of reach of children?

Do you keep children away when mowing the lawn?

Submitted by Peter Knowles — from a pamphlet issued by the New South Wales Dept. of Health.

BOWRAL & DISTRICT HOSPITAL
NURSES GRADUATION —

At the recent Graduation ceremony held at the Bowral & District Hospital, several daughters of S.P.C. employees were awarded prizes. They were:—

Susan Graham, daughter of Keith Graham, General Maintenance Foreman, graduated as a nursing Sister.

Barbara Brooks, daughter of Bill Brooks, Power House Engine Driver, graduated as a nursing Sister. Barbara was also the recipient of the Matron's Prize and is transferring to St. Margaret's Hospital, Sydney to further her studies.

Karen Staubner, daughter of Helen Staubner of the General Office Typing Pool, received a certificate for reaching the highest grade in 1st year General Nursing during her theory training at Wollongong.

Karen Staubner

Our Credit Union continues to grow

LOCAL GOVERNMENT MEMBERS TRANSFER TO S.P.C. —

From July 1st, 1973, members of the Local Government Credit Union, comprising Wingecarribee Shire, Berrima County Council, Bowral Municipal and Mittagong Shire transferred to our Credit Union. This brings our membership up to approximately 916.

On the 30th June a round table discussion was held. Directors of the S.P.C. Credit Union met with representatives of the Credit Union concerned and the situation was greatly clarified by questions and answers exchanged.

Our new members have brought with them a substantial contribution in funds. The representatives present at the discussion were, R. G. Churchill, N. Melrose and Peter Stuckey of the Wingecarribee Section, A. Forrester representing Berrima County Council Credit Union members and J. E. Sharp representing Mittagong Shire. They are all volunteers who are willing to give of their time to continue serving the Credit Union.

During the discussion emphasis was laid on the value of owning a block of land in the district at this time. The Manager, Mr. Tom Richards, said that Credit Union money was readily available to young men for this type of investment. One great advantage to the Credit Union from this type of loan is that when twenty per cent of loans is used for land and property purchase, the members become eligible for the Government Home Savings Grant.

The next General Meeting will be held on the 21st September and will be followed by a social evening.



R. Churchill —
Wingecarribee



N. Melrose



P. Stuckey



Jack King — S.P.C.



A. Forrester — B.C.C.



J. E. Sharp—Mittagong



Bill Strong



Liol Bush

NATURE NOTES

Chris Sontar —

Australia possesses some fifteen species of birds commonly known as Robins. They are unique to this continent and the similarity to the English Robin stops at the colour. Everything else, habitat, food and habits differ immensely. Strange as it may seem, these petite birds of Australia reminded the early settlers so much of the "Robin Red-breast" of England that they named them Red Robins.

Only five of the fifteen species of Robins in Australia have the red breast colouration. This plumage pattern is sported by the male birds only. However, in the female species of the Red-capped and Scarlet Robins there is a slight wash of red. This tinge of red appears on the forehead of the Red-capped Robin and on the breast of the Scarlet Robin.

Four of the five Robins that possess the red or coloured breast have a distinct white spot on their forehead. This spot is replaced by the vermillion coloured 'cap' of the Red-capped Robin of dry inland regions. Two of the 'colour-breasted' Robins have breast plumage of a soft pastel coloured pink and rose. These two birds are of course the Pink Robin and the Rose Robin.

Three of the Red Robins can be found in this district. They are the Flame, Scarlet and Rose Robins and with a little pursuance of suitable habitat and keen eyes we may even find the Red-capped and Pink Robins here as well. The Pink Robin has been found to winter in the Australian Capital Territory and adjoining areas of Lake George and Lake Bathurst. A straggler was located at Yeramba Lagoon near Sydney last year.

Another Robin that shares a similar habitat with the Red-capped Robin is the Hooded Robin. Hooded Robins are unmistakable in their contrasting plumage of black and white. Recently on a bushwalk, I had the good fortune to 'discover' for the first time in this district the Hooded Robin. So in the not too distant future I hope to locate the Red-capped birds as well. Both the Red-capped and Hooded species have been found as close as Wallacia and Bargo and also at Goulburn. The Red-capped Robins existence in Goulburn was confirmed when a member of the Goulburn

Field Naturalist Society found that his cat had brought home a fully matured male Red-capped Robin.

The only other Robin that would be of any interest to us in this district would be the Southern Yellow Robin. This bird is relatively common but unfortunately like the other Robins their numbers have decreased over recent years because of pesticides and introduced predators such as cats, foxes and rats, etc.

The Yellow Robin is a little larger than the other Robins and has the habit of clinging sideways on the side of a tree or stump. The breast and underparts of this Robin are a beautiful deep rich yellow whilst the greyish-olive green of the back and head blend in well with its surroundings. I have found that all of the Robins discussed here have a unique habit of hiding themselves, despite their brilliant plumage, by turning their backs to the observer.

Robins feed on insects, grubs and worms which are pounced upon from favourite lookout perches. Habits change little amongst the species but their habitat does vary a fair amount. Flame Robins are nomadic and they tend to flock in the winter months on the lowlands and disperse during the summer to the ranges to breed. Their favourite habitat is that of open pasture land with sheltering belts of timber. Rose Robins prefer the wet sclerophyll forest and edges of rain-forest. Pink Robins like the shelter of dense scrubs but will also inhabit dry open inland localities. Scarlet Robins are found in open timbered areas or areas of forest where the forest floor is sparsely vegetated. The Hooded and the Red-capped Robins are birds of the open dry inland regions where the country is regarded as harsh. Yellow Robins seem to inhabit various localities and it is not uncommon to find them inhabiting dry sclerophyll forests, but they do prefer the wet moist gullies and the rain-forest regions.

Nests of the Robins mentioned here are all beautiful structures and are all of the uniform cup-shaped design. Many birds add a form of decoration to their nests but the Robins seem to excel themselves by using various mosses, lichens, leaves and barks etc. This is of course not decoration as we know it but a form of camouflage. The nests, unlike most open cup-shaped nests are lined with various materials such as fur, feathers,

plant-down and wool. The only other group of birds that could come anywhere near the neatness of some of the Robins would be the Sittellers. It would seem that there is an average of three eggs to a clutch in most species of Robins mentioned here and judging from an overall picture of the colour of the eggs, there seems to be little variation in the size, shape and colour. All the eggs are well spotted and all appear to have the spots forming a zone on the larger end. Perhaps in the next "Newsletter" we could further discuss some of the other species of Robins which are quite varied and interesting.

SICK AND ACCIDENT

The amount paid in Sick Benefits from the S.P.C. Employees' Welfare, Sick & Accident Fund from 27th April to 26th June was \$550.00.

JUNIORS

HOW TO MAKE A RAIN GAUGE —

If you wish to know how much rain has fallen in your area over a period of time, an instrument called a rain gauge is used.

You can make one of these very easily from a few materials around your home. You will need a large jar with a wide mouth, a funnel with a top the same size as the mouth of the jar, and a tall narrow jar.

Pour water into the large jar until there is exactly one inch in the bottom. You will need to measure this with a ruler. Next pour this water into the tall narrow jar. Make a mark on the jar at the top of the water, divide the distance from the bottom of the jar to the mark into 10 equal parts. Each one of these parts will now represent 10 points of rain.

Place the large jar with the plastic funnel in the mouth out in the garden in a clear area away from trees and buildings. Every morning pour the water from the large jar into the measuring jar and read the number of inches and points which have fallen over the past day. If you keep a record from day to day you will be able to see how much rain has fallen in your area over a week, a month or any other period of time.

MARULAN'S RECORD YEAR —

During the year June, 1972 to May, 1973, Marulan Quarry established some new production records of which they can be very proud.

Total Limestone produced for the year was 2,088,920 tons. The previous record, established in 71/72 year, was 1,698,075 tons.

Several other records were also broken during the year. The best shift production was 5910 tons on 16th June, 1972. The best days production (two shifts) was also broken on this day when 10,850 tons were produced.

The best shift average for one month was established during May, 1973 of 4,371 tons while the total production for one month was also established during May, 1973 of 4,371 tons while the total production for one month was also established during May, this was 222,920 tons.



Vince Brimelow recently left Berrima to work in Queensland



MARULAN SOCCER TEAM
 Backrow Left to Right: Joe Kopeck, T. Bell, L. Clack, R. Thompson, G. West,
 G. Thompson, G. Shepherd.
 Front Row Left to Right: R. Bryant, S. Kopeck, T. Wild, R. Bell.



Mrs. Cosgrove, left from Marulan Office was recently shown around the Berrima Works by Mrs. M. Madden.



R. Knapman who attended the recent Credit Union Meeting.

A bit of a grind!!

That's life! An old history master of mine used to say that life was "a battle and a march" and then "another battle and a march," and so on.

I was asked to write something about grinding wheels, so its a "bit of a grind."

Did you know that a grinding wheel could explode? All the experienced old hands would know of course, but I didn't. Jim told me about one in the Machine Shop a good many years ago. Pieces went through the window. Fortunately the operator had just finished and turned his back, he was unharmed. But just imagine if he had been hit by a fragment of the wheel! What causes this? It's a matter of using the right wheel for the right job.

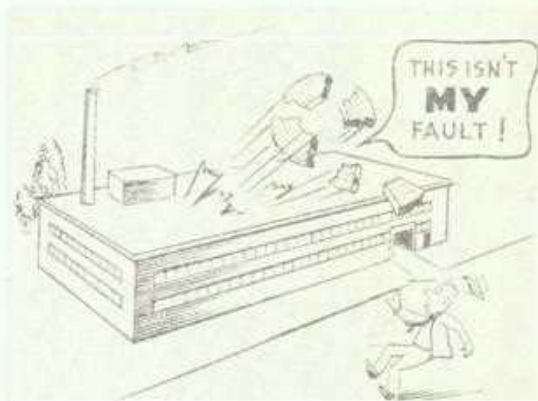
If a wheel is designed for steel only, grinding other materials on it, such as alloys, brass, copper or wood, results in the pores of the wheel being blocked, and the surface of the wheel becomes smooth. The resultant friction between the smooth surface of the revolving wheel and the job can result in overheating and the resin in the wheel exploding. Imagine the result at a speed of over a mile a minute. Best to use the right wheel for the job eh?

Why all this grind? Because recently there was a rather serious accident at Marulan.

Many years ago I was working on a garden, we had a grinding wheel, and often we sharpened our tools. On one occasion my right eye became very painful, after a while I mentioned it to the gardener. He knew immediately "It's off to the doctor for you lad." They took out a very small piece of steel that was embedded in the eye. Of course in those days there was no mention of safety precautions, no glasses, no goggles, no protection whatever. But in industry today, and at S.P.C. these various forms of protection are provided, need I say more? Eyes are precious.

It may seem a bit of a grind to take all these precautions, but it's worth it.

The grinding wheel isn't really a dangerous tool at all if it is used properly and the right tool used for the right job — and you take care, using the safety equipment provided.



NOTE:

The accident referred to above happened when an employee was sharpening a knife. It was really quite serious. The knife became jammed, twisted, and cut the tendons of his hand. It was necessary to have an operation.

To quote from the B.H.P. Handbook: "The grinding of thin, flat material calls for particular care to ensure that the job does not become jammed between the wheel and work rest. Paint scrapers, knives and similar jobs must be ground only by persons experienced in this work."





Don Reynolds, left, and Keith Bennett from International Combustion Ltd., explain the operation of a small feeder to apprentices Keith Knox and Bernard Croese.



A recent visitor to the Berrima Printing Dept. was Miss Diane Reynolds who is the Parish Sister of Moss Vale Church of England Parish.

Below, Keith Bennett points out some of the features of their equipment to Keith and Bernard.



Continued from last month:

HINTS ON MAKING GOOD CONCRETE

CURING

Regardless of its application, concrete should be kept moist (cured) for some days to ensure that it will be more resistant to shrinkage cracking and be more watertight, durable and abrasive-resistant. This can generally be satisfactorily achieved by placing a layer of sand or hessian over the concrete and keeping it continuously damp. Alternatively, the concrete may be covered with building paper, polythene, or a commercially-produced curing compound may be used.

Concrete should be cured for at least one week, then allowed to dry out slowly. Where possible, formwork should be left in place for the curing period, as this will assist in retaining the moisture within the concrete.

POINTS TO REMEMBER

- The cement should be reasonably fresh and free from lumps. Portland cement should be stored in a dry place protected from the elements and not exposed to damp, as it readily absorbs moisture from the atmosphere and soon becomes lumpy. If the lumps so formed can be broken by hand the cement may still be used, but the proportion used should be increased.
- Sufficient materials should be stockpiled before concreting operations are commenced to enable the work to proceed continuously.
- The materials should be measured before being mixed, the use of a 1/2 cu. ft. gauge box is suitable for normal projects.
- The water should be clean and the crushed stone or gravel and sand free from dirt, clay and other impurities such as twigs, pieces of wood, etc.
- Just sufficient water should be added to obtain a plastic, cohesive mixture which can be worked in place. Sloppy wet mixes which flow too freely should be avoided.
- The concrete should be mixed until the colour and consistency is uniform.

- Before placing the concrete ensure that any framework is fixed securely in place and that it is greased or oiled lightly so that it can be stripped easily.
- Place the concrete in position as soon as possible after it is mixed and never later than 30 minutes.
- When the concrete has been placed, tamp it into position and spade the edges adjoining the forms.
- Never add water to concrete once it has been mixed and placed.
- When finishing the surface do not over-trowel or float concrete surfaces nor use cement rich mixtures to "dry off" the surface.
- Do not remove the framework until the concrete is sufficiently hard.
- Protect the concrete from sun and wind for some days after it has been placed and ensure adequate curing by keeping it continuously moist.
- When casting a slab on ground the surface of the ground should be moistened before concreting operations are commenced.

FORMWORK

The foregoing is the basis of making good concrete. It is equally desirable that the carefully made concrete is moulded correctly. Ensure that the formwork used to mould the concrete is suitable for the job and is secured firmly so as to retain the required shape when placing the concrete. To avoid the concrete bonding to the framework, it is often advisable to treat the contact surfaces with a coating of mould oil. Ensure that the formwork is close fitting so that a clean, sharp edge results.

COMPACTION

In order to produce a dense concrete, compaction should be carried out during placement. The concrete should be worked into place by ramming with a rod or equivalent tool until a homogenous compact mass is formed.

FINISHING CONCRETE

Generally, the exposed surface of the concrete is screeded off immediately after compaction to level the surface. This is a

simple process using a straight piece of timber (straightedge) which is worked in a reciprocating or sawing motion from one side of the mould to the other.

The resultant surface which is usually a little rough for most applications is then levelled with a wooden float which will remove any ripples and laitence caused by the screeding. The wooden float used in a circular motion will result in a gritty, non-skid surface.

If a smooth, glass-like surface is required, then first wood-float the surface, then employ a steel float, sweeping the edge across the concrete in wide arcs, until the required smoothness is obtained. Excess steel floating brings fine material to the surface and can cause surface cracking. It should therefore be avoided.

FISHY TALES . . .

When fish are plentiful (which would appear NOT to be the case at the moment) one is a bit choosy and sticks to flathead, bream and whiting.

However, as fish become scarcer, so called less palatable fish are consumed with great gusto.

Mullet is one of the old standbys. However, when treated properly even the old mullet has possibilities. These fish spawn about May-June and it is at this time that the roe is much sought after. A large mullet on being opened up has a large amount of innards to be discarded, but in amongst all this rubbish lie the two roes like two big pinkish sausages. These should be fried in batter and are delicious.

The mullet itself should have the head and all the blackish lining removed. The fish, being oily, may be boiled, but I prefer it stuffed with the usual chicken stuffing, sewn up with cotton, and done under a hot griller, 20 mins on each side. If the fish has gone past the spawning period it becomes less palatable, the flesh darkens and it becomes coarse.

An ordinary catfish (mind the nasty spike behind the head on top), makes nice eating when grilled. Before grilling a kit of tools is required to do the cleaning. Although as with blackfish one becomes better with practice. I always use a pair of pliers to skin blackfish.

Stingray flaps are very sweet. Cut the

flaps close to the body and soak in vinegar and water before frying in batter. You will find the flesh rolls off the bone structure.

How could anyone come at eating toads? Well, it has been done!

BERRIMA GRAPEVINE —

Alan King and Karen Staubner have recently announced their engagement. Alan is the friendly face in the Accounts Dept. and Karen is a nurse at the Bowral & District Hospital.

Congratulations to Mr. and Mrs. Harry Chapman on the birth of a son, Roderick.

Micro Metric (mm)

Printing order received from a Maintenance Planning Officer, 300 Tyre Service Cards, printed both sides, finished size 20mm x 12mm.

On June 16th S.P.C. beat Bowral at bowls for the first time.

A new starter in the Typing Pool is Pauline Holland. Pauline is originally from New Zealand and is over here on a working holiday.

Mr. and Mrs. Bob Croese have an addition to their family, a son, Glenn William, born on 30th June at Bowral and District Hospital.

At the time of writing, George Ibbotson has been in hospital for some weeks after an operation on his knee. We trust he will soon be fully recovered and back on the job.

Recently back from annual leave: Stan Croker, Shorty Kopec, Hec Johnston, Dan Murphy took two weeks long service leave on account of his mother's illness.

—oOo—

SAFETY GROUPS

The whole of Marulan Plant reached 360 days, however, the good run was lost when Graham McGuigan had to enter hospital for an operation on his hand.

Group 2 qualified for 2 years on 31st May, and receive 20 coupons.

Group 4 reached 1 year on 1st June and received 10 coupons.

Group 5 qualified for the 50 coupons for 6 years without a lost time accident.

SYDNEY OFFICE —

The following item from Gail Fielder of the E.D.P. Department, gives us a glimpse of the "goings on" at Sydney Office.

Earlier in the year a group from Sydney Office were treated to a day on Sydney Harbour by Mr. Max Barnett (better known to the crew as Captain Max).

It was a day that will be long remembered, especially the barbecue on Store Beach. The Steaks sizzled and the rough red flowed making the results quite interesting as can be seen in the photographs.

Thank you Captain Max for a great day. From the faithful crew.



Bob, Tom Taylor, Gail Dobson, Max Barnett



Captain Max



*Tom Taylor, Gail Fielder, Max Barnett,
Gail Dobson*



Gail, Tom & Max

FOR YOUNG MEN WITH AN EYE
ON THE FUTURE
NOW IS THE TIME TO BUY A
BLOCK OF GROUND. YOUR
CREDIT UNION WILL HELP YOU.
IT'S A GOOD INVESTMENT!

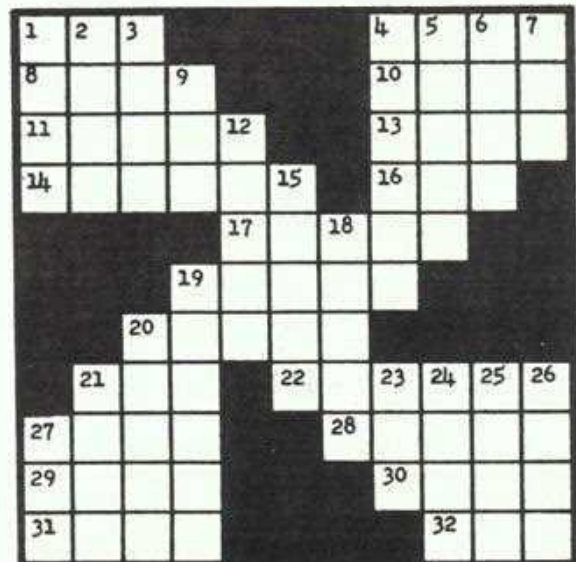
29 Facility
30 Stop, horse!
31 Victim
32 Possess

ACROSS

1 Statute
4 Entreat
8 Encourage
10 Republic of
Ireland
11 Slumber
13 Revise
14 Indian tents
16 Marry
17 Wearies
19 Worth
20 Speaks
21 Kind of jelly
22 Accent
27 Ring loudly
28 Racing ship

DOWN

1 Final
2 Competent
3 Cry
4 Tiny thing
5 Is borne
6 Dry
7 So far
9 Golf peg
12 Corolla leaf
15 Jockey's outfit
18 Out of practice
19 Hollow
20 Tantalize
21 Toothed wheel
23 Not cooked



24 Reflected sound
25 Display

26 Baseball's Musial
27 Energy

A NEW SERIES OF CROSSWORD PUZZLES COMMENCE WITH THIS ISSUE

FIRST PRIZE: \$5.00.
SECOND PRIZE: \$3.00.
THIRD PRIZE: \$2.00.

Also two consolation prizes of \$1.00 each.

Prizewinners will be drawn from correct entries.

It is difficult to set a closing date owing to delays through power shortage. Kindly send entries as soon as possible.

SAFETY SLOGAN COMPETITION

The Safety Slogan competition in the recent issue of the newsletter was won by:

STEPHEN HARRINGTON,
47 ALBERT STREET,
GOULBURN.

with his slogan "If you want to keep alive, just make Safety thrive." Congratulations Stephen, \$5.00 will be on its way to you shortly.

Second prize went to:

ROGER SEVILLE from the Colliery for his slogan "Machines can be repaired or replaced — can you?"

\$3.00 will be sent to you shortly Roger.

GARDENING NOTES FOR JULY

FLOWERS: SOW: Antirrhinum, Aqilegia, Carnation, Cosmos, Dianthus, Eschscholtzia, Gaillardia, Godetia, Gypsophila, Larkspur, Lupin, Clarkia, Salpiglossis, Statice, Sweet Pea.
PLANT: Antirrhinum, Anemone, Bellis perennis, Canterbury Bells, Delphinium, Iceland Poppy, Stock, Viola.

VEGETABLES: SOW: Broad Beans, Celery, Lettuce, Onions, Peas, Radish, Herbs, Parsley, White Turnip.
PLANT: Asparagus, Artichokes, Eschalots, Garlic, Rhubarb.

After a long, dry period, June brought quite good falls of rain to our district, replenishing household water supplies and giving trees, shrubs and pastures a good soaking. Cold weather accompanied the rain, and fires and electric blankets became popular again.

Now that the shortest day has passed, we can look forward to a little more daylight and plan for warmer days ahead. Jonquils have been flowering for some weeks and now Daffodils and Snowflakes are beginning to show buds. Camellia sasanqua shrubs flowered well this year, right up to the end of June and Viburnum fragrans and Chimonanthus fragrans, have helped to scent the air, in company with some of the early violets for the past few weeks. The Autumn flowering Cherry has also carried on through the cold weather and will come into full bloom with the advent of Spring.

Camellia japonica, Viburnum Burkwoodii, Rhododendrons and Mollis Azaleas as well as some other shrubs, are now showing flower buds and it's possible to go around and count how many flower clusters there will be later in the season.

Plant deciduous shrubs, trees and roses now, watering them in well, also fruit trees and berry shrubs.

Prune Fruit Trees and Roses before the end of this month, making sure that the secateurs are sharp and that all diseased prunings are burnt. Spray with a good fungicide after pruning to control fungous diseases, and see that all "mummified" fruit is removed from the fruit trees.

Lightly prune Hydrangeas if they were not pruned in February. Perennial plants should be divided and replanted now and a good dressing of old manure or a sprinkling of "blood and bone" given to the perennial border.

The vegetable garden should be levelled out now, all beds cleared of weeds which have overwintered and some planting started.

Watch out for those little black slugs which do such damage to hyacinth shoots and newly planted seedlings. Bait as usual for these.

LEN KERSLAKE RETIRES —

After 15½ years with S.P.C., Berrima, Len Kerslake has retired at the age of 65 years. He started with S.P.C. in September, 1957. He served mostly as Raw Miller, and Coal Miller. After a period of ill-health Len is now making good progress, and life in the open air on his farm at Alpine, most probably has a lot to do with this. His son Alan looks after the farm. There are two other sons also, Bruce, working in the Mittagong Shire Office, and Malcolm in the offices of the Berrima County Council. With four "boys" to look after, Mrs. Kerslake doesn't have a great deal of spare time.

We all join in wishing Len a long and happy retirement.



BERRIMA MARULAN



MEDWAY SYDNEY

— Southern Portland Cement Ltd. —

NEWSLETTER

VOL. 2 - No. 3

AUGUST, 1973



*DICK BRYANT, MICK COSGROVE and LES LUCRE chat with Quarry Supt. DENNIS MARSDEN and General Manager, Mr. REX WILLIAMS after receiving their Suggestion Awards at Marulan recently.
See story on page 3.*

S.P.C. NEWSLETTER

AUGUST, 1973

VOL. 2 — No. 3

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REGULAR CONTRIBUTORS

BERRIMA . . .

R. Greaves — Fishing.
Mrs. C. C. Crowe — Gardening.
C. Sonter — Nature Notes.
J. Lewis — Bits and Pieces.

SYDNEY OFFICE . . .

Mrs. Lorraine Douglas.
Mrs. Dana Savovich

MARULAN . . .

A. Murphy.

COLLIERY . . .

M. Thorpe.

PHOTOGRAPHY . . .

C. W. Knowlson.
L. Humphries.
C. Glacken.

EDITOR: C. W. KNOWLSON

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"Berrima District Post", Moss Vale.

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All correspondence and enquiries to —

THE EDITOR,
S.P.C. NEWSLETTER,
P.B.S. No. 4, Moss Vale, N.S.W. 2577.

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14th of the month prior to the month
of issue.

GENERAL MANAGER'S NOTES....

SPC IN BRISBANE

Following the signing of two major lime supply contracts for the Brisbane market, the planning for S.P.C.'s proposed bulk lime handling facility took a major step forward.

By the end of September our Engineering staff will have supervised the completion of a 200 ton bulk silo in Brisbane based on a standard gauge rail link to Marulan with transshipment by road direct to customer silos. That date will herald in S.P.C.'s first facility expansion into Queensland and therefore our first capital investment in that state.

A major factor in securing the contract was the quality of S.P.C.'s lime, widely considered to be one of the best in Australia. However, in recognition of the increasing degree of technical complexity of lime con-

sumers, the contracts under discussion required specific assurances on the maintenance of Marulan's quality standard.



VISIT TO PAPUA NEW GUINEA

Mark Pidola, our Marketing Manager, spent a fortnight in PNG recently visiting such centres as Lae, Port Moresby, Rabaul and Madang.

His visit was aimed at providing the market survey part of a study into the feasibility of establishing a cement plant in the area.

Some three months ago Mr. Lloyd Veal had undertaken a "lightning visit" to PNG in company with an officer from Associated Portland Cement, with whom SPC is jointly studying the PNG market.

ZERO DEFECTS

No doubt you have all seen the latest Z.D. poster around the plant, where our slogan, "Zero Defects" has been translated into fifteen different languages. The following is a list of these translations with their appropriate language beside them:

Serbo-Croat	RAD BEZ GREŠKE
Slovenian	BREZ NAPAK
Macedonian	NEMA GREŠKA
Italian	ZERO DIFETTI
German	NUL MANGEL

Portuguese	ZERO DEFEITOS
Spanish	DEFECTOS CERO
Greek	MNΔEN ΛΑΘΗ
Maltese	TAYBA MALEWEL
Lebanese	BEZ GRESKE
French	DÉFAUTS ZÉRO
Polish	ZÉRO DEFÉKTY
Dutch	GEEN FOUTEN
Estonian	ILMA VIGADETTA
and also Hindi	

Editorial

By the time this newsletter goes to press, our regular Editor, Chris Knowlson, will be enjoying a well earned holiday and renewing old friendships in England. He has taken some slides of our works and district with him to show his friends what his adopted country looks like. I am sure he will be a very good ambassador for Australia. Good luck Chris, we will be looking forward to seeing you back about the end of October.

The suggestion scheme is paying dividends both for the Company and the workers, as you will see by reading the article in this issue. It's amazing the number of improvements which can be made around an organization the size of ours. The Biggest problem is seeing them. How many times have you seen an invention or an idea which someone has perfected and said to yourself "Why didn't I think of that?". With most of us it's a case of not being able to see the woods for the trees. So keep your eyes open as you move around the job, because it could mean money in your pocket.

A recent report published by the N.S.W. Government Transport Department's Traffic Accident Research Unit shows that 200 children were killed while crossing roads in N.S.W. in 1971-1972. Half of these were hit at interesections and the rest on straight roads. The report goes on to state that a great percentage of these accidents occurred as a result of children running on to the road from behind parked cars. It would appear that a lot still has to be done to educate our children in road safety, to prevent this appalling waste of young lives. This is one aspect of our children's education where we can take a very active part. Remember our safety slogan "Safety everywhere — all the time," applies just as much off the plant as at work, and if we can train our children to use the roads in a safe manner we will be making a great contribution to reducing the casualty rate on our roads each year.

GARRY SCORES AGAIN

Berrima apprentice Garry Hinton has been selected as the leading apprentice, in Fitting and Machining, for Goulburn and District Apprenticeship Week 1973.

The Company was informed of this in a letter from the Apprenticeship Committee recently. Garry topped his year in Fitting and Machining at Goulburn last year, and was presented with a shield at the recent prize giving night of Goulburn Technical College.

For being selected as leading apprentice Garry was presented with an award by the Director of Apprenticeship, Mr. A. C. Mills at a Ceremony at Goulburn on 14th August.



SUGGESTIONS PAY OFF!!

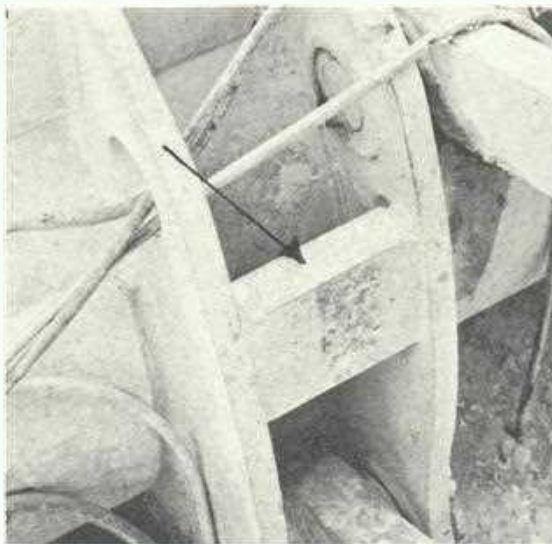
Two pieces of steel plate approximately 200 millimetres square and costing about \$4.50 were recently worth \$1400.00 to Marulan fitter, Dick Bryant.

This was the result of a suggestion which Dick submitted in June, 1971. A lot of trouble was being experienced with the hydraulic rams which control the huge bucket on the Terex Loaders. When the bucket was tilted to a certain position, the piston would hit the end of the cylinder and damage it, resulting in costly replacements and down time for the machine.

Dick's suggestion, to weld in the two pieces of plate, stops the bucket reaching this position, and thereby eliminating the damage.

When the suggestion was first submitted, the suggestion Committee made an interim award of \$25.00 pending the success or otherwise of the idea. After 18 months it was obvious that the idea was so successful and the saving so great that the award was increased to \$1400.00.

As a matter of fact the manufacturers of the loader thought so much of the idea that they have adopted it as standard equipment on their current models and the latest loader delivered to the quarry was fitted with the stops.



The Steel Plate (arrowed) which won DICK BRYANT his award.



LES LUCRES' motor base on the Lockers feeder.

Mick Cosgrove, a Fitter's Assistant, also from Marulan, collected \$573.00 for an idea which was just as simple as Dick's and nearly as obvious.

Trouble has been experienced in past years with the caps on the Apron Feeder Link Pins. These caps were originally fixed to the pin with a bolt. After some use these bolts would break off, and if not noticed in time, the cap would fall off the shaft and usually end up in the Gyratory crushers, causing a jam and subsequent down time on the plant.

Mick's idea was to weld the caps to the pins in a certain way, so that even if the weld broke the cap could not fall off. Simple

The Committee made an interim award to Mick of \$50.00, in June, 1971. After two years evaluation the idea has been most successful and the award was raised to \$573.00.

In June last year Les Lucre submitted a suggestion for a modification to the motor base on the Lockers feeder under the jaw crusher. This was carried out and has eliminated another source of trouble on the plant. Les was awarded \$107.00 by the Committee on the strength of the idea. As well as receiving the cash, Les was presented with a gold wrist watch, as his suggestion was judged to be the best submitted for the year.

At a ceremony at the Quarry on 18th July the General Manager presented Dick, Les and Mick with their awards.

Les also received two minor awards recently — \$10.00 for a device for clamping conveyor skirts and \$5.00 for an idea on the drive on No. 1 Conveyor.

Two more awards were presented to Quarry personnel by Quarry Superintendent, Dennis Marsden, recently. They were \$125.00 to Cliff Shepherd for a suggestion to modify the bolts on the Rock Breaker

which has proved to be extremely successful. Frank Norman also received \$25.00 for a modification to the brakeshoes on the Quarry Loco.



DENNIS MARSDEN presents
CLIFF SHEPHERD with his
award.

DICK BRYANT re-
ceives his chque from
General Manager, Mr.
REX WILLIAMS.



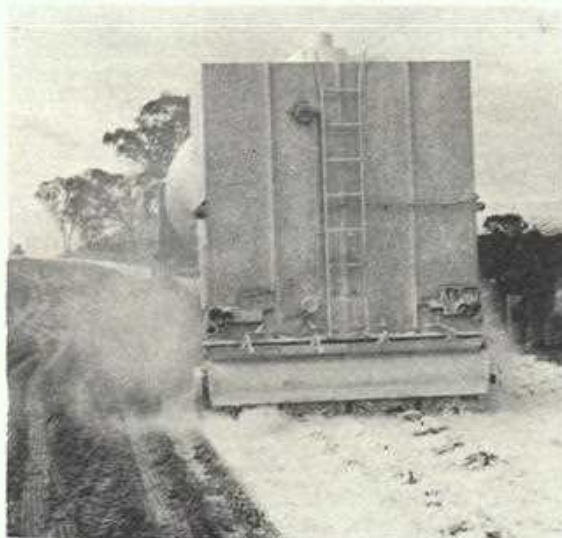
LIME STABILISATION

Approximately 2 years ago the Dept. of Main Roads commenced a project which entailed the construction of approximately 2½ miles of divided dual carriageway on the Hume Highway, about 10 miles south of Yass.

During the planning stage of the project it was found that a deep cutting should be necessary at the southern end of the section, and that the material from the cut could be used for the formation of the earthworks on the major part of the job. However, the material, decomposed granite, pavement material, and unless it could be upgraded to the required standard, other material would have to be hauled in from a pit about 6 miles away.

This would add many thousands of dollars to the cost of the project and the engineers responsible decided that the addition of lime to the granite may upgrade it to the standard required. Consequently a soil testing programme was set up and samples of the material were obtained over the full depth of the cut. These were sent to the departments divisional laboratory at Goulburn, where testing of the material with varying percentages of lime was carried out for some months.

The tests proved satisfactory and it was decided to lime stabilise with 2% by weight of hydrated lime.



The Lime Spreader in action.



A closeup of the spreader hitched behind the tanker.

Construction then proceeded in the normal manner with the material from the cut being used to bring the road to the finished pavement level. Tenders were called for the supply of hydrated lime delivered to the job, and was won by S.P.C.

The stabilisation was carried out in two stages. Firstly the new southbound carriageway was stabilised and sealed, then all traffic was diverted to it. This in itself was a great improvement over the old road as each carriageway is of 24 feet wide sealed pavement with a 10 feet wide left hand shoulder and a 4 feet wide shoulder on the right hand side.

Following this, construction of the northbound carriageway was completed, and the stabilisation carried out, then, following sealing and the erection of guard rails, guide posts etc, it will be opened to traffic.

Prior to the second stage of the stabilisation, S.P.C. obtained delivery of a lime spreader which has been constructed especially for lime stabilising projects, and undertook the spreading of the 200 tonnes of hydrated lime used in this stage.

The spreader is capable of carrying 3½ tonnes of hydrated lime and is towed behind a pneumatic bulk tanker. To load the spreader, lime is blown from the tanker via a 4 inch flexible hose, it then passes through an alleviator which removes most of the lime from the conveying air and deposits the lime in the spreader hopper.

Prior to the air exhausting to atmosphere it is then passed through a bag type dust collector to remove dust still contained in the air stream.

Spreading is achieved through a rotary vane across the rear of the unit, which is driven by a system of gears and chains from the differential and includes a variable speed drive.



Filling the spreader from the second tanker.

Specifications called for a unit which would spread from 5 lb. to 25 lb. per square yard, as this range is necessary to meet the requirements of the many different types of soils encountered.

The unit is capable of spreading in 2, 4, 6 or 8 feet widths, and is capable of spreading at the rate of ten tons per hour.

The Bowning Project was supplied with 25 tonnes of hydrate per day for most of the project. This was delivered on site at about 8.00 o'clock each morning by two bulk tankers. Work on the site commenced at 7.30 a.m. each day with a grader ripping the area to be stabilised, which in some cases included the bitumen seal, for some sections had carried traffic during construction.

By the time the grader had completed this, the spreader would be loaded from the first tanker and would commence spreading. Frequent checks on the spreading rate are necessary to ensure that this remains within the specified limits, both for technical and economic reasons.

While spreading was still in progress, the two pulvimixers would commence the

mixing process, with water tankers adding water when necessary, to bring the mixture to the required moisture level.

Following this, grading and compaction took place with a vibrating and rubber tyred roller operating together, weather conditions were very unsettled during the second stage of the stabilising project and this meant that each days work had to be completed and rolled in before knockoff time, in order to seal it from possible overnight rain.

When completed and opened to traffic this new section of the Hume Highway will be a great improvement over the old road. It has eliminated a number of bad curves and replaced a narrow wooden bridge with two wide concrete structures. It bypasses the small village of Bowning thus reducing noise and traffic hazards in the village and allows the highway traffic to flow freely along a safe modern highway.



A Pulvimixer mixes the lime into a road base material.

It took an old Indian to sum up the world situation. He said: "Trouble is, nations smoke peacepipe, but not one inhales."



Too many motorists learn traffic rules by accident.



Men are peculiar! — just as women have always suspected. For instance there was the chap who hadn't kissed his wife for years but shot a fellow who did.



A LOOK INTO THE PAST

The above photo, taken from the Company's archives shows what our Berrima Plant looked like 45 years ago during the construction period.

The large building on the left is the present machine shop and store. The large blocks of concrete in the foreground are the feed end foundations for Nos. 1 & 2 Kilns, while the smaller blocks to the right are the firing end piers.

The building on the right in the middle distance is a sawmill where logs brought from Joadja were milled for use on the plant. Quite a bit of this timber is still in use around the plant. The area to the left of the sawmill where the logs can be seen is the site of the present works office. Directly behind the sawmill can be seen the hostel on Taylor Avenue, this was used as a boarding house for workers on the site.

The photo appears to have been taken from somewhere around the present dump-in station site.

BITS & PIECES

Patient: "Doctor I can't sleep at night, I keep having the same dream about a door with a sign. I push and push but can't get it to open."

Doctor: "What does the sign say?"

Patient: "Pull!"

□

Tomorrow is one of the greatest labour saving inventions of all time.

□

Said the shift worker, "We don't have any pornography in our house, we haven't even got a pornograph to play it on."

Though slim as an arrow,
A girls can wax,
In the course of time,
Into a battle axe.

□

There was an indian who always kept a fire extinguisher handy when he sent smoke signals. "Me misspellum," he explained, "Me erasum."

□

Remember the best safety device of all is still between your cars.

□

Doctor: "You cough easily this morning."
Patient: "I should, I've been practising all night."

WYEE STORE

In 1958 Wyee was a sleepy township of only a few houses, a store and petrol pump and a railway platform past which all the fast trains did not even slow down.

Then suddenly a decision to build the Vales Point Power Station on a site about three miles away produced the need for 25,000 tons of bulk cement.

Southern was fortunate in obtaining the order for this important contract and so our Wyee bulk handling plant was installed to bring a touch of industry to the area.

Silo storage, dumping pits, elevators, rail waggons, road delivery vehicles and men began to stir Wyee.

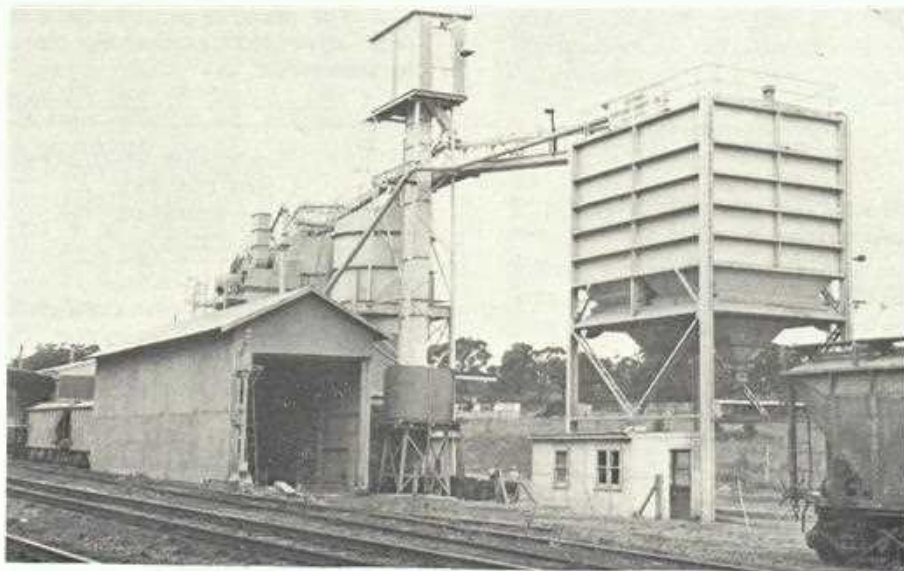
The original contract, long since completed, was followed by another, supply of the cement, required for Munmorah Power Station now also on line, and additions to Vales Point Station are currently under way.

The area between Gosford, Newcastle and Singleton has also been supplied from Wyee.

In 1966 a bagged store was added for the storage and sale of bagged cement.

Cement throughput since Wyee commenced operation totals 405, 098 tons. A tribute to the teamwork involved in supervision, maintenance and operation by all those concerned.

Wyee Station Master, FRANK COULTHART has been at Wyee for 15 years and showed us railway records of the depot opening on 7th December, 1959.



A general view of the depot with the rail unloading shed, bins and weighbridge.



LES BENNETT in charge of the depot has been at Wyee since early 1960.



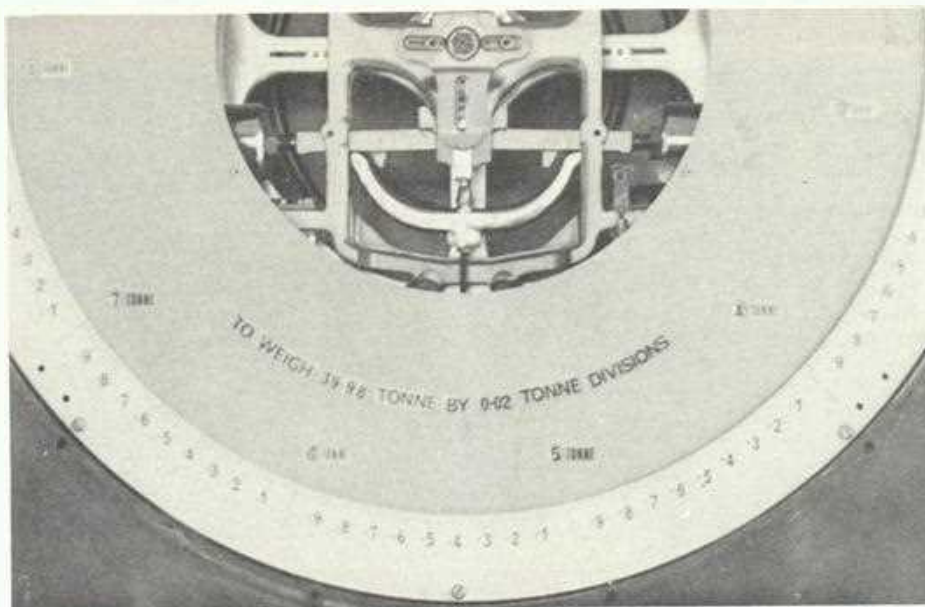
Fork Lift Driver PAUL DEAVES.



Left to right, PETER SYLVESTER, DAVID RIDING and JIM LONGOBARDY. Jim holds the record for unloading a truck of bagged cement, on his own, 54 minutes. This includes stacking the bags on pallets, and placing the loaded pallets in the bag store. His mates claim that he still hasn't recovered from this effort!



Recent visitors to our Berrima Plant were Messrs. Hill and Arthur from Public Transport Commission of N.S.W. Mr. Arthur is the Director of Planning for the Commission and both gentlemen were visiting our plant to see where efficiency could be increased in movement of rail traffic in and out of the plant.



Last month we mentioned that the Company has gone metric and machines and weighbridges have been re-calibrated in tonnes. This photo shows a close-up of the road weighbridge at Berrima with its new dial.

JUNIORS CORNER

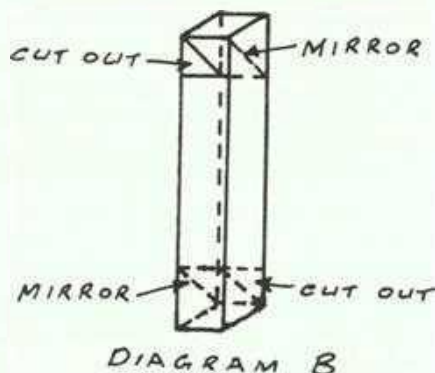
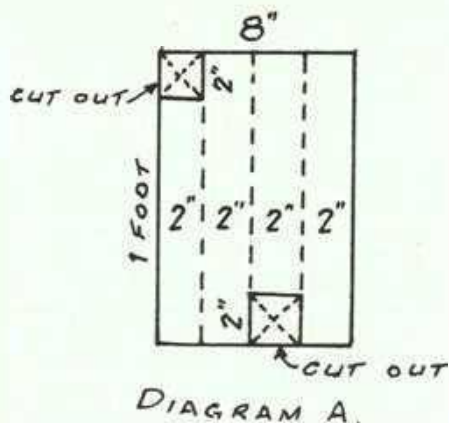
HOW TO MAKE A PERISCOPE

You will need: A box about two inches square and one foot long. Two small mirrors, perhaps your mother has some old handbag mirrors she can let you have.

If you cannot find a box the right size, it is simple to make one from stiff cardboard. Cut out a piece of cardboard a foot long and eight inches wide. Mark it out into four strips a foot long and two inches wide, cut out the pieces marked. See diagram A. Bend the cardboard along the lines you have marked and glue the edges together, or use sticky tape, to make a box a foot long and two inches square. Cut out two squares with two inch sides and fix them in to make the ends of the box. You now have a box with a slot at each end, on opposite sides of the box.

Glue in a mirror at each slot at an angle of 45 degrees so that the reflecting surfaces face each other. See diagram B.

By looking into the bottom mirror you will be able to see what is reflected in the top mirror. In this way you can look over a fence or other object without being seen yourself, which is what a periscope is for.



The gentleman at left has a lot to do with the production of our Newsletter. He is Mr. HEATH WEVERS, the printer of our magazine, snapped during a visit to Berrima recently.

FISHY TALES

Browsing through a book by Mr. Frank Marshall revealed some quite good info on bait. He reckons that the right bait is the basic requisite for successful fishing.

Some practical advice he gives concerns crabs for bait. Sometimes in searching for crabs to use as bait, an octopus may fasten on to your hand. If you pull away quickly, you may pull him from his shelter and his grip on you may tighten. Lifting your hand out of the water doesn't help either, but put your hand back in the water and he will quickly let go. If you haven't lost your nerve by now, you grip the octopus in a safe place and run him along the rock crevices to 'flush out' the crabs for you!

A less sporting method is to spear the octopus, put him to work chasing out the crabs while he is still alive, and later use him for bait!

Another Marshall I shall refer to is Sam!! Who managed to bag five nice bream and a whiting at Sussex Inlet Beach. He said the pippies were in good supply. The breeze was very cold though!

And further to my last dissertation on fish for eating, Terry Saker tells me there are quite a few Banjo Sharks in the vicinity of Jervis Bay. After skinning use only the



CATHY BROOKS and JOHN SAKER proudly display a Banjo Shark, caught at Jervis Bay.

tail section and they yield a good quantity flesh which is very palatable.

I notice a quote that sea mullet, a popular bait, migrate northwards every Winter, and for more than 100 years they have arrived in the Clarence River on April 27th each year? Maybe that's because it's my birthday!! No—the question was really, "How do they manage in leap years."

There should be bream about now if you care to brave the elements.



So you think Gold is Valuable

Frank Stirling, supervisor parks and gardens, has come up with an interesting study of values.

Seeds of a recently strain of bedding Begonias, a white-flowered form of the hybrid 'Thousand Wonders' are priced at the rate of \$6,750 per ounce.

Compare this with gold at the current price of \$50.64 per fine ounce. Frank's calculations reveal that one seed of this strain of Begonia is worth just over 3/10ths of a cent each, (there are two million seeds to the ounce), 100 seeds are worth 33.75 cents and a 1,000 \$3.75.

Would-be gold prospectors could profitably exchange their gold-panning dishes for a small plot of land and raise Begonia seeds. Frank says that an average price for common flower seeds is about \$40 a pound — the costly Begonia seeds would work out at \$97,000 a pound, which indeed is big money.

— From B.H.P. News.



Said the father of a large family. "The period of best mental capacity is between 4 and 16. At 4 they know all the questions. At 16 they know all the answers."

MARULAN GRAPEVINE

Safety Group 7 completed 3 years without a lost time accident on 26-6-73 and Group 1 completed 2 years on 11-7-73. Congratulations to both groups.

Mrs. Williams, Marulan music teacher, had five pupils sit for their exams recently. Three passed with honour and the other two with credits — a very fine effort indeed. Among her pupils were David Read and Greg Shepherd, sons of Quarry employees.

Pam Cooper gave birth to a son on 15-7-73. Congratulations to you both.

Quarry employees on holidays include D. Lorkovic, B. Greaves, T. Chandler and K. Delderfield.

New starters at the Quarry are K. Smith, K. O'Brien and M. Coleman at Medway.

Marulan Soccer team got to the semi-finals where they were beaten 1-0 by Kenmore. A fine effort boys.

Recently heard talking to Stan Murphy, a Quarryite asked that \$10.00 per week be deducted from his pay and paid into the Credit Union, remarking that he had not realised it was such a good investment.



BERRIMA GRAPEVINE

Jack Scott, who until recently was our Works Secretary, and is at present with AIS Kembla, has had a spell in hospital. We all hope to see you about again soon Jack.

Our Purchasing Officer, Appy van der Molen, is another one on the sick list. Let's hope you are soon back at work again, Appy.

Good to see Eric Johnson, shift foreman, back on the job after a spell in hospital.

SPC Hockey team continues on its winning way and looks like ending the season as minor premiers. Harry Chapman has done a fine job with this team, most of whom were new to the game at the start of the season.

RUSH JOB CALENDAR

MIR	FRI	FRI	FRI	THU	WED	TUE
8	7	6	5	4	3	2
16	14	13	12	11	10	9
23	22	21	20	19	18	17
32	29	28	27	26	25	24
39	38	37	36	35	34	33

**

RUSH JOB CALENDAR

1. This is a special calendar which has been developed for handling rush jobs. All rush jobs are wanted yesterday. With this calendar a client can order his work on the 7th and have it delivered on the 3rd.
2. Everyone wants his job by Friday — so there are three Fridays in every week.
3. There are eight new days at the end of the month for those "end of the month" jobs.
4. There is no 1st of the month — so there can't be late delivery of end of the month jobs on the 1st.
5. A "Blue Monday" or Monday morning Hangover can't happen as all Mondays have been eliminated.
6. There are no bothersome non-productive Saturdays and Sundays, no contemporary leave, or time off to worry about.
7. With no 15th, 30th, or 31st, no "time off" is necessary for cashing salary cheques — in fact, there's no salary cheque either.
8. "Mirday" — a special day each week for performing miracles.

NATURE NOTES

by Chris Sonter

AUSTRALIAN ROBINS Part 2.

In the last 'Newsletter' we discussed the more familiar types of Robins. Those seven species should be found relatively close at hand to us here in this district or at least within say, 150 miles radius. The following Robins are birds of a rather drab appearance when compared to the more colourful Robins, nevertheless they still have the petite shape and pleasing nature of this delightful and interesting group of passerine birds.

The remaining seven species of Robins, which incidentally, are as well as the previous seven species, members of a very large family or rather group of birds known as 'Flycatchers,' have their areas of range more restricted. For instance the Dusky Robin is found only in Tasmania and some of the adjacent islands in Bass Strait, the White-faced Robin has an even 'tighter' range where it inhabits a very limited section of Cape York Peninsula. By having such a restricted range the birds are by no means rare, on the contrary they are quite common.

The Dusky Robin is a most confiding bird showing all the trustfulness that this family of birds possess. This bird is a very in-active feeder and spends considerable time perched on stumps and posts and other favourite spots where it can pounce on it's food on the ground. As a result of their casual approach in life they have attained the names of Stump Robin, Post Bird and Sleepy Robin. The nest is said to be of a very untidy nature for a member of the Robin Family. Usually three greenish eggs shaded with brownish spots and forming a cap at the larger end are laid between July and December. The bird inhabits lightly-timbered country and from my textbook information have come to the conclusion that it is very similar in habits to the Brown Flycatcher or Jacky Winter found here in this district.

The Yellow Robin (which has been discussed in part I.) has three distinct races — the Northern Yellow Robin, Southern Yellow Robin and the Western Yellow Robin. The further west one travels he will find the yellow of the breast giving way to a soft grey till the bird becomes known as the Western or Grey-breasted Robin. As

one travels north the observer will notice that the yellow of the Southern Yellow Robin becomes increasingly richer in colour and also it increases in size. At the end of it's range it is known as the Northern Yellow Robin.

As already mentioned the White-faced Robin, (which is confined to Cape York Peninsula) is yet another Yellow Robin. In this case the bird is distinguished by a beautiful snow-white facial patch which forms a type of mask. The eyes are somewhat big, probably due to the dense and dimly-lit jungle habitat, thus giving the bird a distinct but handsome appearance.

The Pale Yellow Robin is yet another bird similar to the previous species but of a somewhat paler colour and noticeably smaller in size. Although the range of the Yellow Robin and the Pale Robin overlap the two species are easily distinguished from each other by the colour of the back. In the Yellow Robin the colour is grey whilst that of the Pale Yellow Robin is a dull olive-green. The breast of the Pale Yellow Robin is of a soft creamy-lemon shade. Also there is a pinky-brown mark between the base of the bill and front of the eye. Only in the three Yellow Robins are the legs blackish-brown, in the other two species the legs are flesh-coloured. All these Yellow Robins have the habit of clinging sideways to the trunk of a tree or stump. Pouncing to food on the ground is generally carried out from this position. All inhabit the dense rain-forest jungles along the coast although the range of the Yellow Robin seems to be very flexible with the bird being found on the Nullarbor Plain, mallee country and on the western slopes of the Great Dividing Range on the east coast.

With the White-faced, Pale Yellow and three Yellow Robins there comes in regards to nesting, a close association with a plant of the jungle known as Lawyer Vine. This vine is extremely prickly and entanglement with it is most frustrating, with blood being shed and clothes being torn. Usually the intricately woven cup-shaped nest is built on a piece of lawyer vine. At least this practice is common within rain-forests where this plant grows. However, a number of sites or rather plants and trees are used as well.

In the Yellow Robin the nest is constructed to suit it's surrounds and is perhaps the neatest of all Robins nests, being mag-

nificently camouflaged with bark, moss, leaves, lichen and even paper is used. The nesting sites of yellow-coloured Robins is usually between 4 ft. and 15 ft. from the ground. The usual clutch of the Yellow Robin (all three races) is three eggs and in the Pale Yellow Robin and White-faced Robin it is two. The colour of all the Yellow Robins eggs seem to be of a blueish-green (of varying shades) with brown to red freckles and forming a zone at the larger end.

White-breasted Robins are confined to the south-west corner of Western Australia. It is an inhabitant of thick scrub, bordering water, in the famous Karri timbered country. North of Perth between Geraldton and Lancelin there is a population inhabiting the coastal thickets. This species is very pretty having blue-grey head and back, with wings and tail black, the underparts are white including throat and at the sides of the chest and breast there is a tinge of grey. This Robin builds a cup-shaped nest of dried grasses and rootlets and is always constructed without any form of warm lining material. Lichen is attached to the outside of the nest which is usually placed only a few feet above the ground. Two eggs of a brown to pale-blue form the clutch. The eggs have the spotting so close together that at times difficulty is obtained in actually discerning whether they actually are spots.

A confiding and pretty little bird that chooses to live its life amongst the mangroves of the tropical north of Australia is the Mangrove Robin. It is a mainly grey and white bird with back, wings and tail leaden-grey, the head is of a brownish colour. The underparts including the chin, throat and underside of tail coverts are white. The nest is similar to that of other Robins and has the outside decorated with objects as a means of camouflage. Brown to olive-green is the colour of the two eggs and spots and blotchings of purplish-grey and chestnut merge to form a zone at the larger end. Because of this bird's habitat it has been purposely overlooked — since sitting in the midst of a patch of tropical mangroves would unquestionably be a tortuous affair with mosquitos and sandflies etc. constantly making their presence known.

The last three Robins are all inhabitants of the tropical north. All three are found in Queensland but only in two does their geographical range overlap. All are of

similar plumage but each species has features which easily separate it from each other.

Buff-sided Robins are inhabitants of mangroves but not as exclusive as the Mangrove Robin as these birds are found well inland where they frequent the big rivers where plenty of cover affords them assurance of food etc. The wings of this species are carried in a drooping fashion. Feeding is similar to other Robins where the majority of food is taken on or near the ground. However, shame seems to have come to this Robin as its nest is usually described as being of an untidy nature. The two eggs, and their colour is very similar to that of the Mangrove Robin.

The White-browed Robin is considered by some taxonomists to be a sub-species of the Buff-sided Robin or vice-versa. Most Ornithologists treat it as a separate and individual species. Both possess dark brown plumage to the head and back, both have a white eye-stripe and white below the eye. The underparts of both are ashy-white to white. White shafts are found in the wings and tail of both birds — and it all finishes there. The often 'cocked-up' tail, lacks of buff on the flanks, smaller size, different call, habitat and geographical range separates it from the Buff-sided Robin. Once again two eggs form the clutch in the rather unusual flat cup-shaped nest. The eggs are similarly coloured to previous mentioned species, however, in some nests the eggs have been found to be void of a zone marking and instead the spots and blotches are evenly distributed all over the entire surface. The nest is bound together with cobwebs and decorated on the outside with bark, moss etc.

Near the foothills of the Great Dividing Range near Atherton and Cardwell in North Queensland one will most likely come across a Robin with a beautiful ash-grey head, a tortoise-shell like pattern to the upper parts, white underparts, rufous tail, brown wings with white stripes in them. This is the Grey-headed Robin — a bird of open land adjacent to dense scrubs. A rather active feeder with one observer describing its feed-actions as being similar to that of a 'bouncing ball.' This fast movement occurs when the bird flies to the ground to pick up a piece of food and returns to its perch. The nest is untidy but

(continued page 17)

RUGBY LEAGUE GOES METRIC

Those of you, who listen to or watch Sydney Rugby League on radio or T.V., will no doubt have noticed that commentators have been describing games in metric units instead of yards this season.

The Australian Rugby Football League adopted the metric system earlier this year in accordance with a decision arrived at by the Rugby Football League International Board. However, the Australian League did add that the change over need not be undertaken immediately. The dispensation will be reviewed "in a subsequent season."

The League said that clubs and ground authorities constructing new playing fields would be advised to use metric measurements. Redfern Oval, South Sydney's home ground, is already marked out in metric dimensions. Rules have been amended to indicate metres instead of yards. For example all players not directly concerned in playing the ball must retire five metres or more. From all starts of play from the half-way line and goal line the ball must be kicked ten metres in a forward direction. A player is offside if he is within five metres of an opposing player who has clearly caught the ball.

The accompanying diagram shows the playing field marked out in metres.



GARDENING NOTES FOR AUGUST

- FLOWERS:** SOW: Alyssum, Antirrhinum, Candytuft, Carnation, Coreopsis, Cornflower, Dianthus, Godetia, Hollyhock, Larkspur, Linum, Mignonette, Nemophila, Phlox drummondii, Rudbeckia, Sweet Sultan.
 PLANT: Antirrhinum, Carnation, Dianthus, Iceland Poppy, Pansy, Viola, Bulbs of Agapanthus, Calla, Gladioli, Lilium, Tigridia, Tuberose, Lily-of-the-Valley, Flag Iris, Tuberous Begonia.
- VEGETABLES:** SOW: Broad Beans, Silver Beet, Carrot, Onion, Peas, Parsnip, Parsley, White Turnip, Cabbage, Leek, Lettuce.
 PLANT: Asparagus, Garlic, Herbs, Horse Radish, Jerusalem Artichokes, Onion, Rhubarb.

We have had a very mild Winter this year, with below average rainfall for the first six months. The weather has been so warm that the Cootamundra Wattle was in bloom by early July and the willows were commencing "greening" by mid-July.

We have been promised cold weather for July and August, so keep an eye on any "frost tender" plants.

It's time now to plan and plant !!!

Make sure you finish planting deciduous ornamental trees and shrubs this month, also Roses, Fruit Trees, Climbing Plants, Bush Fruits, Grape Vines and Flowering Fruit Trees.

All Winter pruning should now be finished, the trees should be sprayed with a good fungicide and diseased prunings burnt, so that disease will not be carried on to the new growth.

Give established trees and shrubs a good dressing of complete fertiliser or liquid fertiliser towards the end of this month to encourage strong new growth.

Bait for slugs and snails and keep an eye out for over-wintering aphids and caterpillars, spraying with a good all-round insect killer.

NATURE NOTES continued . . .

neat in it's own way and is similar in shape size and construction to that of other Robins. It is usually placed in a Lawyer-vine (*Calamus australis*) at a distance from 4 ft. to 10 ft. from the ground. Usually the clutch consists of a single egg but sometimes two will be found. Eggs are greenish-buff or even amber and spotted with shades of grey, brown and blue merging into a cap at the larger end.

From my observations of Robins they certainly are not possessed with loud musical qualifications. Their calls are rather plaintive but nevertheless are easily 'picked-up' when in the bush. Some of the

more colourful 'red' Robins have a musical trill but is not a very loud penetrating song of verberance. All the species mentioned possess the same feeding habits of perching on a favourite or selected location, flying or pouncing on to the ground and then returning to the same or another favourite observation perch.

Although they belong to a group of birds known as Flycatchers they do not have the habit of performing the aerial acrobatics when pursuing insects etc. as is common in birds such as Willy Wagtails, Restless Flycatchers, Grey Fantails and Jacky Winters etc.

- PUZZLE PAGE -

2

ACROSS

- 1 Burn
- 5 Mineral spring
- 8 Difficult
- 12 Assistant
- 13 Well informed (slang)
- 14 Hautboy
- 15 Profound
- 16 Mental position
- 18 Gentlewoman
- 20 Inhibit
- 21 Revolve
- 24 Jellylike substance
- 25 Swiftly
- 26 Ocean
- 27 Artificial language
- 30 Strong wind
- 31 Crush
- 32 Baby's bed
- 33 Building wing
- 34 Jump over
- 35 Use with others
- 36 Grate
- 37 Crude dwelling

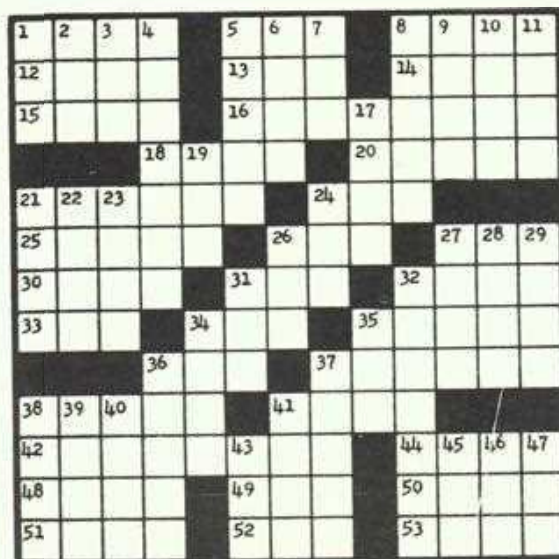
- 38 Radio detecting device
- 41 Egyptian goddess
- 42 Idle
- 44 Carry by hand (colloq.)
- 48 Mother (Fr.)
- 49 Study closely
- 50 Great lake
- 51 Vase-shaped jug
- 52 Termination
- 53 Whirl

DOWN

- 1 Bounder
- 2 Hasten
- 3 Suffix: citrus drink
- 4 Supplant
- 5 Color
- 6 Compassion
- 7 Likely
- 8 Inn
- 9 Border on
- 10 Went by bus
- 11 Antlered animal
- 17 Notion
- 19 Devoured
- 21 Fury
- 22 Jewelry stone

- 23 High
- 24 Jewel
- 26 Plant fluids
- 27 Persia
- 28 Loose soil
- 29 Comply with
- 31 Task
- 32 Jabber
- 34 Injure
- 35 That woman

- 36 American snake
- 37 Exhaust
- 38 Frost
- 39 Afresh
- 40 Challenge
- 41 Stratford on—
- 43 Frozen water
- 45 Source of metal
- 46 Equal score
- 47 Snakelike fish



ANSWERS TO LAST MONTH'S CROSSWORD:

ACROSS: 1. Law, 4. Pray, 8. Abet, 10. Eire, 11. Sleep, 13. Edit, 14. Teepees, 16. Wed, 17. Tires, 19. Value, 20. Talks, 21. Gel, 22. Stress, 27. Peal, 28. Yacht, 29. Ease, 30. Whoa, 31. Prey, 32. Own.

DOWN: 1. Last, 2. Able, 3. Weep, 4. Pee-wee, 5. Rides, 6. Arid, 7. Yet, 9. Tee, 12. Petal, 15. Silks, 18. Rusty, 19. Valley, 20. Tease, 21. Gear, 23. Raw, 24. Echo, 25. Show, 26. Stan, 27. Pep.



RESULTS OF LAST MONTHS CROSSWORD:

Owing to the number of correct entries received, a draw from the hat was necessary to decide the winners. The results are as follows:

1st PRIZE: \$5 Mrs. M. Roach — Berrima.
2nd Prize: \$3 Roger Seville — Colliery.
3rd Prize: \$2 Helen Staubner — General Office.

The two consolation prizes of \$1.00 each went to Tom Sharkey of Marulan and Mrs. B. Seville of Mittagong.

CLOSING DATE for this months crossword will be 15th September.

BERRIMA MARULAN



MEDWAY SYDNEY

— Southern Portland Cement Ltd. —

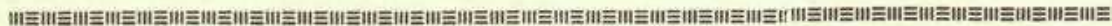
NEWSLETTER

Vol. 2 No. 4

September, 1973



*Some of the parents outside Marulan Hall at the recent Apprentice Parents day,
see story pages 3 & 4.*



S.P.C. Newsletter

SEPTEMBER, 1973

VOL. 2 — No. 4

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REGULAR CONTRIBUTORS

BERRIMA . . .

R. Greaves — Fishing.
Mrs. C. C. Crowe — Gardening.
C. Sonter — Nature Notes.
J. Lewis — Bits and Pieces.

SYDNEY OFFICE . . .

Mrs. Lorraine Douglas.
Mrs. Dana Savovich

MARULAN . . .

A. Murphy.

COLLIERY . . .

M. Thorpe.

PHOTOGRAPHY . . .

C. W. Knowlson.
L. Humphries.
C. Glacken.

EDITOR: C. W. KNOWLSON

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—oOo—

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S.P.C. NEWSLETTER,
P.B.S. No. 4, Moss Vale, N.S.W. 2577.

COPY DEADLINE:

14th of the month prior to the month
of issue.

S.P.C. STAFF - REORGANISATION

At the time of announcing Mr. Kevin Howard's appointment to B.H.P. the General Manager also made known some changes in Executive Staff appointments at S.P.C. to take effect from 1st October.

Mr. Lindsay Lansdown, present Works Secretary, will become Finance and Control Superintendent. He will report to Mr. D. Green, Manager Finance and Administration. All sections reporting to Mr. Lansdown at present will continue to do so.

Mr. Jack Schott, present Manager Quality Control, will take over the Laboratory and will have reporting to him: Mr. Russ Greaves, Quality Adviser, Mr. Col Pickering Jnr., Chemist Quality Control,

Mr. Geoff White, Chemist Customer Service, Laboratory personnel will report through Mr. Pickering or Mr. White.

On the Marketing side, Mr. M. Pirola will have two people reporting to him, they are:

Mr. Max Barnett, Sales Manager in charge of all sales,

Mr. Ian Hewitt, Executive Officer — Lime Promotion,

Mr. Col Pickering Snr., Lime Project Officer will report to Mr. Hewitt. All other marketing personell will report to the Sales Manager.

Mr. John Teague will become Planning Analyst reporting to Mr. Lloyd Veal - Manager Business Planning.

Mr. W. F. Rungie, formerly of A.I.S. Personnel Dept. will, from 1 October, 1973, become Personnel Officer, responsible to the General Manager.

Welfare Officer, Safety Employment Officer, Apprentice Training Foreman and Ambulance Officer will report to the Personnel Officer. He will also be responsible for normal Administration and Industrial Relations.

On the Production side, the Manager Colliery and Superintendent Marulan Plant will report direct to the General Manager, other changes in production personnel are as follows:

Mr. Bill Gale becomes General Superintendent Cement Plant,

Mr. Sam Marshall becomes Production Superintendent,

Mr. Dennis Marsden becomes Engineering Superintendent from 1st December, Messrs. Marshall and Marsden will report to Mr. Gale who in turn will report to the General Manager.

A new appointment from B.H.P. will be made to the position of Marulan Plant Supt.

The Engineering Department and Maintenance Section will continue to operate as at present until 1st December.

Before 1st December a review of Engineering Organisation will be completed.

Mr. Wal Parsons will transfer to the Business Planning Department on 1st December to handle development aspects of major projects.



PROMOTION FOR KEVIN HOWARD

On 31st August the General Manager announced that our Operations Manager Kevin Howard, has accepted an appointment as Project Development Manager with B.H.P. Mineral Division, based in Sydney. He will take up his new post on 1st October.

Kevin joined S.P.C. in 1958 as an engineer at Berrima, he was transferred to the Quarry in 1960 as Technical Assistant and was appointed Quarry Superintendent in 1961. He stayed at Marulan until 1969 when he moved back to Berrima as Executive Officer in charge of the Quarry, Lime Plant and Colliery. In 1972 he was appointed Operations Manager in charge of the Cement Plant, Quarry, Lime Plant and Colliery.

He has been active in sporting circles in the district especially as a bowler. He is a foundation member of Marulan South Bowling Club and played a big part in building of the greens and club house. On his return to Berrima he became a member of Bowral Bowling Club. Kevin is also a regular squash player and enjoys an occasional round of golf.

We wish him all the best in his new job, and fell sure that he will always remember his many friends at S.P.C.

Editorial

It was sad to see the safety board at Berrima back to zero days recently. On reflecting back on these accidents I began to wonder just how much an accident on this plant really costs:— not just to the unfortunate victim in pain and suffering, but to the rest of the community as well.

The immediate effects on the family of the victim, are a disruption of normal routine in having to make visits to the hospital to see the injured person, extra running for the family car on these visits, follow up visits to the doctor on release from hospital, again involving the family car to get there, hours wasted sitting around the doctor's waiting room before the visit, trips to the chemist to have prescriptions filled, again the family car.

To his workmates the effects are, loss of bonus coupons and the things they can buy from the store, the slow build-up of coupons again. If the bonus was 20 coupons when the accident occurred it takes 300 days to get back there again, and the loss of 90 coupons in that period before the bonus again reaches 20. Added to this, the victims team will have to work short handed until he can resume normal duties, thus throwing more work on to his mates.

In theory, if there were no accidents, the savings to the company would be enormous. There would be no need for an ambulanceroom or ambulance officer. No safety officer would be required, no compensation insurance plus all the office work required for compensation claims. Of course the company has all these things and their cost must be passed along, either to the customer in the form of increased cement price or the shareholders as reduced dividends.

There are probably a lot of other hidden things involved, if one took the time to explore all avenues, but it can easily be seen, from all the more obvious factors mentioned above, that we all pay for any accidents lost time or not, which occur on the plant.

Accidents off the job, of course, can be analysed in the same way, especially road accidents. The result of these have been calculated by the experts as costing Australia millions each year. One would think that a road accident would not hurt the company, but the same things apply — a loss of a member of the work force reduces the efficiency of the rest of the team left to do the job and therefore increases the cost.

So our slogan "SAFETY EVERYWHERE ALL THE TIME" means not only a reduction of pain and suffering but actually puts money in our pockets — think it over.

A VISITOR TO S.P.C.

Recently Bob Magnus had the pleasure of a visit from his mother whom he had not seen for 23 years.

Mrs. Magnus was accompanied on the flight from England by Bob's nephew Daniel Guin. Daniel is still at school and one of his subjects is Technical Drawing, so during their visit Bob brought Daniel out to Berrima to see the drawing office and explain how it works. It was during this visit that we snapped Bob and Daniel inspecting the drawing office.



APPRENTICE PARENTS' DAY AT MARULAN

On Saturday, 15th September, parents and friends of S.P.C. apprentices gathered at Marulan Quarry to see the display prepared by our apprentices over the past year.

Morning tea was served at 10 a.m. by the Marulan ladies in the Community Hall and an excellent repast it proved to be.

Well over 100 people attended this function, and among the distinguished

guests who attended were, Mr. Ron Brewer, M.L.A., Mr. Jack Giri - Principal of Goulburn Technical College, and our now retired ex-Apprentice Training Foreman, Mr. Ern Radnidge and Mrs. Radnidge. S.P.C. personnel present included, Mr. Rex Williams - General Manager, and Mrs. Williams, Mr. Dennis Marsden - Quarry Supt., Mr. Wal Parsons - Manager Engineering, Mr. Keith Delderfield - Quarry Engineer, Mr. Jim Galloway - Apprentice Training Foreman, Mr. Lindsay Lansdown - Works Secretary plus many formen and other members of our workforce.



Views of the gathering at morning tea in the Marulan Hall.



Following the morning tea, chairman Jim Galloway gave a report on the activities of the apprentices over the past year. Wal Parsons then introduced Mr. Brewer and Mr. Giri, both these gentlemen praised the work of the boys over the years particularly Gary Hinton who was chosen as Apprentice of the Year at both Goulburn and Wollongong Colleges. Mr. Rex Williams then addressed the gathering and pointed out the big things which lay ahead for S.P.C. and the boys who will be finishing their apprenticeship in the near future.

Then followed the showing of two films which were of great interest. The first showing the construction of the filter trap at Barbers Creek Marulan using helicopters, and second on Modular Construction of high rise buildings.

At the conclusion of proceedings at the hall, the visitors inspected the exhibits and were taken on conducted tours of the quarry and Lime Kiln. Without a doubt the biggest attraction for the small fry was the big Terex loader and Euclid truck which were parked beside the hall.



Mr. Jim Galloway.



A small boy's delight the Terex Loader.



Part of the mechanical display inside the hall.



"Gee Dad, it works."

Part of the electrical display.

SUGGESTIONS

The Suggestion Committee wishes to publicise the fact that there are special forms available on which your ideas should be submitted. While the forms are not absolutely essential, it makes the work of the Committee so much easier if they are used.

These forms are available at Marulan and Berrima. If you are not sure where to obtain one, ask your foreman.

Also available now is a booklet "Any Suggestions". This publication explains the whole Suggestion Scheme thoroughly and simply. These booklets are also available at Marulan and Berrima and are well worth while reading.

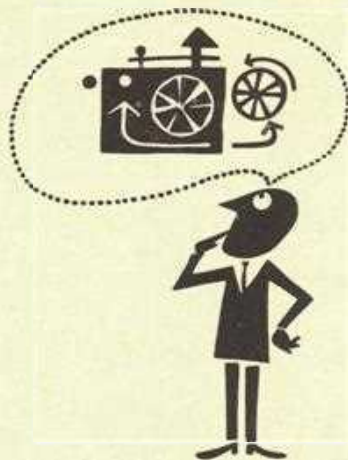


SUGGESTION AWARDS

At the recent Suggestion Committee meeting the following awards were approved.

T. WAIDE — \$20 for suggesting that floor grating be installed on the western side of No. C20 conveyor which takes clinker to No. 5 Cement Mill.

Merit Awards of \$5 were paid to each of the following: **K. SZWARC**, **A. MOULE**, **T. NEWAY**, and **J. HEBBLEWHITE**.



2. Make your ideas work for you

If you have an idea that will

Improve — Safe working conditions,
Methods and procedures,
Quality,
Products and equipment,
Housekeeping, or

Reduce — Delays in production,
Waste in materials and time,
Wear or deterioration of plant
and equipment,
Costs

Present it to us as a suggestion and you could win a cash award.

**SUGGESTIONS ARE EVERYONE'S
TERRITORY.**

A page from the Suggestion booklet.

GOULBURN APPRENTICE EXHIBITION

During August industry from the Goulburn area staged their annual Apprenticeship Exhibition at the Lilac Time Hall.

S.P.C. was one of the exhibitors, as they have been for a number of years. As well as displays from local industry, the armed services were represented with displays by apprentices from both the Army and Navy.

Our display included, an abrasive cut-off wheel which was made by Berrima mechanical apprentices, an electric testing console the work of Marulan electrical boys. The Marulan mechanical apprentices entered a sheet metal bender and folder, while

the Berrima electrical section made and entered an intercom system which will be eventually installed in the Power House. A first aid box was made by our carpentry apprentices at Berrima.

The exhibit was rounded off with a number of photographs showing our apprentices engaged in various activities. The whole display was organised and supervised by Apprentice Training Foreman, Jim Galloway and was manned by Marulan and Berrima apprentices. The accompanying photo shows the stand with electrical apprentice Gary Cope and Mechanical apprentice Mick Baker.

During Wollongong's Apprentice Week from 17th to 21st September, S.P.C. entered a display at Wollongong Town Hall. A fuller report on this display will appear in next months issue.

A LOOK INTO THE PAST



Last month we published an old photo of the Berrima Works, well this month it's Marulan's turn.

This photo taken from above the Jaw Crusher Building about 1930 shows the Intermediate Bins and the conveyors up the hill. In the top left hand corner can be seen the old No. 7 conveyor going across to the main bins, both of which have now been demolished.

Running parallel to the conveyors can be seen a railway line which was used to lower the heavy machinery, like the crushers and shovels, to the quarry floor. A special flat top truck was used which was attached to the steam loco by a long wire rope. The loco which was on the railway

line under the bins was backed away towards the junction to raise the truck, and moved forward to the bins to lower the loaded truck down the incline.

The original road can be seen between the conveyors and the railway line winding its way down the hill.

The hill on the right of the picture has long since been quarried away. Excavation started in this area in the early 40's and was worked out by the end of the 50's.

The buildings in the bottom right hand corner are the original machine shop and store. They stood approximately where the present oil store and truck repair bay are located.



Hubby came home to find the house in a shambles. He looked around in amazement and demanded, "what happened?" His wife smiled sweetly and replied, "You are always wondering what I do all day — well here it is — I didn't do it!"

A boy, whose father had received a bad school report of his son, asked: "What do you think the trouble with me is dad — heredity or environment?"



**SOUTHERN PORTLAND CEMENT EMPLOYEES'
CREDIT UNION LIMITED
BALANCE SHEET AS AT 30TH JUNE, 1973**

1972			1973
6570	Issued Capital — 3570 Shares @ \$2 each		7140
	Reserves		
10200	General Reserve	11450	..
1193	Unappropriated Surplus	392	
			11842
383762	Savings & Deposits (with Interest Accrued)		519878
401725	— Members Funds		538860
	Current Liabilities		
61772	N.S.W. Credit Union League		
3505	Provision for Income Tax	1151	
603	Provision for Long Service Leave	745	
375	Sundry Creditors & Accruals	590	
			2486
66255			
\$467980			\$541346
	Which is Represented By:—		
	Fixed Assets		
9500	Land & Buildings — at cost		11973
	Plant & Furniture — at cost	3140	
1855	Less: Provision for Depreciation	986	
			2154
	Loans to Members	425457	
420686	Less: Provision for Bad Debts	6382	
			419075
	Investments		
7012	N.S.W. Credit Union League Ltd.	8227	
	(Savings Protection Fund)		
2571	N.S.W. Credit Union League Ltd.	2776	
6736	Premier Permanent Building Society Ltd.	7169	
			18172
	Current Assets		
\$ 19620	Cash at Bank and on Hand		89972
\$467980			\$541346

N.R.M.A. NOTES

NEW BRIDGE ON BEROWRA-CALGA TOLLWAY

With the opening to northbound traffic of the new bridge over the Hawkesbury River on the Berowra-Calga Tollway on August 10, 1973, the N.R.M.A. was advised that the following scale of charges will apply to northbound traffic on the Tollway.

1. Motor Cycles and Motor Scooters: 30 cents.
2. Motor cars, utilities and station sedans, panel vans whose tare weight is under 2 tons: 50 cents.
3. Cars with caravans, cars with trailers, buses and vehicles (not otherwise specified) whose tare weight is under 2 tons: 80 cents.
4. Vehicles (not otherwise specified) whose tare weight is 2 tons or more

but not more than 4 tons: \$1.20.

5. Vehicles (not otherwise specified) whose tare weight is more than 4 tons: \$2.00.

The scale of charges will remain unchanged for southbound traffic until mid-October when the three southbound lanes on the new bridge will open. At present southbound traffic will continue to use the three lanes over the Hawkesbury River Bridge on the Pacific Highway.

Motorists travelling north wishing to reach Mooney Mooney or Brooklyn from Sydney must remain on the Pacific Highway.

Mt. White junction only allows northbound traffic to leave the Tollway and Southbound vehicles to join the Tollway.

BERRIMA GRAPEVINE

WOMENS LIB. strikes again in the form of 6 budding women Scientists in the General Office. The ladies have undertaken an experiment, code named "Operation Sea Monkey," (yes, you read right, MONKEY not horse). They are actually going to rear some Sea Monkeys! As this goes to press, the experiment is in its first stage (that is buying and setting up of equipment), so we will give you a progress report in the next issue.



The marriage took place at Moss Vale Registry Office on Friday, 24th August of Tempe Oslear and Leonard Hudson. Tempe is an Accounting Machine Operator in the General Office and Len is a Jeweller at Sturt. They are now living at Sutton Forest. We wish them every happiness.

Not long returned from a fabulous South Sea Island Cruise on board P & O 'HIMALAYA', is our Receptionist/Telephonist Michele Pedersen. The itinerary included Rabaul, Honiara (Solomon Islands), Vila (New Hebrides) and Suva. Michele now has a severe case of itchy feet and is saving madly to venture further afield.

STAFF CHANGES

ALAN KING has been transferred from Accounts Receivable Dept. to Stores Supervision, where he will replace LES SHAW who has terminated his employment with the company, to take up residence in Adelaide.

LYN GODFREY from the General Office has transferred to the Credit Union in Moss Vale.

ELIZABETH BANFIELD has been transferred from Accounts Payable to Accounts Receivable where she is now the mail and filing clerk.

IAN DICKSON has been transferred from E.D.P. to Cost Department where he is now Cost Supervisor.

GRAEME ANDERSON has been transferred from Capital Clerk Dept. to Cost Department.

Two new starters, MALCOLM PHILIP and VINCE PRICE. Malcolm hails from Melbourne and replaces Elizabeth in the Accounts Department and VINCE replaces Ian in E.D.P.

Good to see Phil King back at work after his recent operation.

Len Kerslake who retired recently has been on the sick list also. He is back home now but is still not 100%.

Two members of the Power House Staff are on holidays at present. Bob Friend and Adrian Saunders.

MARULAN GRAPEVINE

The following Quarry people have been on holidays during the last month: A. Carter, R. Marden, A. Kuschenow, C. Potter, C. Shepherd and M. Bunt.

Stan Bell, Col English and Stan Croker have all been on the sick list lately. We all hope that you are soon back on deck again.

Mrs. Max Kuschenow has gone back to Russia for a 3 months trip to see her family. She has not seen them for 32 years.

Jack Scahill, Quarry Foreman, recently attended a school at General Motors in Sydney.

New starters at the Quarry include: D. Burt, W. Koschenow, N. O'Neill and C. Morris.

Tony Kurk, Grader Driver, retired on 21st September after nearly 20 years service at the Quarry. We all wish him all he could wish himself in his new life of leisure.

JUNIORS CORNER

HOW TO MAKE A SUBMARINE

You will need:—

- a tiny bottle
- a large jar three-quarters filled with water
- a rubber balloon
- a piece of string.

With these few simple items you can make a submarine which will dive and surface at your wish without even touching it. The submarine is the tiny bottle and the large jar is the ocean.

Partly fill the small bottle with water. Place your finger over the mouth of the bottle so the water can't spill out, turn it upside down and place it in the water in the jar. When you remove your finger the bottle should float. If it sinks you have too much water in it. Pour out a few drops until the bottle floats with its bottom level with the surface of the water. If it sticks out of the water, you will have to add a few drops until you get it to float level with the water.

Now, tie a piece of the rubber balloon over the mouth of the large jar, and your submarine is all set to go.

When you want the submarine to dive, press down on the rubber with the palm of your hand. When you want it to surface, take your hand off the rubber. You can make the submarine go up and down and even stop halfway by the proper pressure of your hand.

What makes the submarine move up and down? Perhaps you would care to write to the Editor explaining this mystery.

At the time of writing, the Quarry Safety Groups had the following days up:

- No. 1 Group: 627 days
- No. 2 Group: 627 days
- No. 3 Group: 1509 days
- No. 4 Group: 365 days
- No. 5 Group: 400 days
- No. 6 Group: 20 days
- No. 7 Group: 1102 days

DO YOU WANT TO TURN YOUR CHILD INTO A JUVENILE DELINQUENT

1. Begin at infancy to give the child everything he wants. This way he will grow up to believe the world owes him a living.
2. When he picks up bad words, laugh at him. This will make him think he is clever.
3. Never give him any spiritual training. Wait until he is 21 and let him decide for himself.
4. Avoid the use of the word "wrong". It may develop a guilt complex. This will condition him to believe later, when he is arrested for stealing a car, that Society is against him and he is being persecuted.
5. Pick up everything he leaves lying around, — books, shoes, clothes, and do everything for him so that he will be experienced in throwing responsibility on to others.
6. Let him read any printed matter he can get his hands on. Be careful that the silverware and drinking glasses are sterilised but let his mind feast on garbage.
7. Quarrel frequently in front of your children. In this way, they will not be too shocked when the home is broken up later.
8. Give a child all the spending money he wants. Never let him earn his own. Why should he have things as tough as you had them?
9. Satisfy his every craving for food, drink, and comfort. See that the sensual desire is gratified. Denial may lead to harmful frustration.
10. When he gets into real trouble, apologise for yourself by saying "I could never do anything for him."
11. Prepare for a life of grief. You will be likely to have it.

— from "Tarakohe and Portland News"

A parson was playing a round of golf at a strange course. Reaching a difficult hole with a water hazard, he asked his caddy which club he should use. "I would advise a 3 wood" said the caddy. The parson replied, "I think I'll take an iron and offer up a prayer."

The shot was played and went badly astray. "What did I do wrong?" asked the parson. "Well," replied his caddy, "I don't know what your religion is, but in my Church when we pray — we keep our heads down."

PAST APPRENTICES

The accompanying photo from our files shows a group of our apprentices taken at Wollongong during Apprentice Week about 1961. It is interesting to note that of this group, 11 are still with us, some of them holding senior positions with the Company, they are, Back row:—

5th from left, Bob Vincent, Berrima, Shift Fitter.

6th from left, Ian Gilby, Berrima, Fitter.

8th from left, Ian Jones, Colliery Fitter.

11th from left, John Grilz, Berrima, Electrical Investigation Officer.

15th from left, David King, Berrima, E.D.P. Superintendent.

19th from left, Bob Strode, Berrima, Assistant Electrical Maint. Foreman.

Front Row:—

1st from left, Ian Mackey, Berrima, Senior Design Draftsman.

2nd from left, Malcolm Fraser, Colliery, Electrician.

3rd from left, Eddie Cooper, Marulan, Engineer's Clerk.

4th from left, Bill Poland, Berrima, Assistant Mechanical Maint. Foreman.

6th from left, Rick Mulready, Berrima, Maint. Planning Officer.

The switchboard operator at a posh Sydney hotel received a call from a somewhat inebriated man at 2 a.m. who wanted to know what time the hotel bar opened. "At 10 a.m. sir," she said. At 3.30 a.m. the same man, obviously well on the way, asked the same question. "Not until 10 a.m. sir" she replied. At 5.30 a.m. came another call from the same man, by now completely stoned, with the same question. "I told you sir," she snapped, "you will have to wait until 10 a.m. to get into the bar." "Get in," he spluttered, "I want to get out!"

The instructor seeking recruits for the regimental band approached Private Brown: "Do you play a musical instrument?"

"Yes", replied Brown, "but only at home."

"Really", said the instructor, "and what instrument do you play?"

"Second fiddle," replied Brown miserably.



The reason that worry kills more people than work is that more people worry than work.

FISHY TALES

As a pipe opener how's this for a fishing trip? Nanagai 180, Mowies 45 (to 5½ lbs.) plus a few odds and ends!!! Who? Why Ken Coates and party fishing wide off Kiama on Saturday morning. Ken said they could have landed more had the nasty wind not come up. Just as well they did come in as George King who was at Ulladulla Caravan Park reckoned he was lucky not to have been blown over to New Zealand!

I had a few days of nasty gusty wind on the North Coast a few months ago. It wasn't so much the wind as the pine cones it blew on to the top of my caravan when least expected.

For the fresh water fisherman:

Regulations: There are relatively few restrictions on angling in the Snowy Mountains area. Regulations governing local waters may be changed from time to time, so, when any point is in doubt, anglers should check with the Cooma Visitors' Information Centre, Fisheries Department Inspectors, etc.

It is of course obligatory to possess and carry a current inland angling license, which may be obtained from most tackle shops, weighing stations, or the Fisheries Dept. These cost \$4.00 per annum for men and \$2.00 for women. (With Women's Lib. advancing as it is, this could possibly be increased to \$4.00). A temporary license valid for 21 consecutive days, may be obtained at a cost of \$2.00 and \$1.00 respectively. Age, invalid and service pensioners and juniors under the age of 16 are not required to hold a license. Fishing for trout is permitted only with a rod which must be held in the hand. There is a bag limit of 10 trout per day per angler and fish under 10 inches must be returned to the water.



~~~~~  
Keep smiling, it will make your wife wonder what you have been up to.  
~~~~~

MRS. COSGROVE

Mrs. Cosgrove came to Marulan South in 1945, along with her husband and family. In 1947, in addition to caring for family and home she started doing laundry work for the quarry personnel. This led to cleaning, and 28 years later, nearing the age of 80 years, she is still doing part time cleaning! Until about 3 years ago Mrs. Cosgrove was still playing tennis and only gave this up because of a broken ankle! She still plays bowls and last year won the singles championship, and along with her partner, the doubles championship also!

Her husband, Mick, started with the Company when ironstone was being obtained at Crookwell. He retired in 1961. There were seven daughters and seven sons. Four of the sons still work at the quarry, Tony, Geoff, Vince and Mick. Elton, another son, is in the police force at Broken Hill.

We extend our heartiest congratulations and trust health and strength will continue.



Mrs. Cosgrove at her home.

S.P.C. HOCKEY CLUB



BACK ROW, left to right — Paul Barcicki, Bruce Clynes, Gary Johns, Bruce Grant, Gary Johns, Bruce Grant, Graham Beveridge, Bill Gale, Tim Lancaster, Brian Dickson.

FRONT ROW, left to right — Trevor Sutton, Peter Saker, Terry Newey, Peter Doyle, Harry Chapman (Captain), Bill Chapman.

This club must be one of the success stories of S.P.C. for the current year. Formed only this year, and consisting mainly of young chaps who had never played hockey before, they have gone through the season winning all but 3 of their matches and are current third grade minor premiers. Their prowess on the field is due in no small way to captain-coach, Harry Chapman, as well as to the keenness of the team members themselves.

As a new club, starting from scratch, quite a lot of work had to be put in off the field, as well as on it. Funds had to be raised to purchase equipment and uniforms, and Club Treasurer, Eddie Johns, was the principal organiser of this part of club activities. This team must be the best turned out, to take the field in this district, with their blue and white shirts and socks with the official SPC badge prominently displayed.



Tim Lancaster tackles an opponent while goalie Paul Barcicki covers him.

The keenness of its members was further displayed when the club staged a 7-a-side carnival on 2nd September on their own grounds at S.P.C. 15 teams from all grades throughout the district took part in this event, and despite the windy conditions prevailing was a huge success. Quite a few members of other clubs in the districts praised the organisation of the carnival and the Bowling-green smoothness of the fields, which is indeed a feather in the cap of the SPC garden staff especially Liol Bush and Irving Ford who look after these grounds in the normal course of their duties. This is the first time that such a carnival has been held in this district and next year's effort should be even better.

If keenness and enthusiasm have anything to do with it SPC should have no difficulty taking out the premiership for 1973.



Bruce Grant, Trevor Sutton and Greg Limond in typical attitudes.



Bundanoon and Mittagong players battle it out in the 7-a-side final.



Graham Beveridge clears while Peter Doyle and Bruce Clynes back him up.

NATURE NOTES

Well, according to the flocks of Red Wattle-birds and Yellow-faced Honeyeaters that are moving through the district on their annual migration south, it must be that time of the year again when nature sends an instinctive message through all her products to arouse and get busy. Nests have to be built, eggs laid, and young raised. Flowers must germinate from seeds that have lain dormant for so long, grow, flower, drop new seeds and then finally die again.

This is virtually what spring means and any short walk in the bush will soon reveal that it is already here. I was out walking in an area just below the new Tallowa Dam site and the bush was perfumed with the acrid smell of masses of Pink Baronias. Some plants were finished flowering while others were just coming into bud. *Eriostemon* (Pink Waxflower) was almost as common as the Baronias but it lacked the perfume of that plant. In places the heathland was covered in beautiful blue-spotted Sun Orchids and a tiny variety of purple orchid known as Small Waxlip Orchid. Such was the general attitude of the bush, and so early too and anyone interested in the wild-

flowers of Australia should see them at their best over the next few weeks.

Another 'heralding' of the spring is the movement of birds and over the next month or so we should see in the district a marked difference in the populations of birds. This is due to the influx of migratory species such as Flycatchers, Whistlers, Rainbow Bee-eaters, Woodswallows, Fantails, Cuckoos and a host more. These birds make their migration flight every year to nest and live in the summer of the south. With winter in tropical north and summer in the south these are truly 'birds of the sun.'

This awakening is common in all things, insects, weather, and even life in the aquatic environment of rivers, lakes and oceans etc. I sometimes wonder at what a catastrophic thing it would be if someone suddenly reversed the whole situation — what confusion, the weather would get colder, flowers and birds would soon die and all other forms of life would have little impact on the need for survival. But this of course can never be, simply because nature is never wrong, it's only mans interpretation of her faithfulness and failure to believe in her accuracy.

by Chris Sonter

BITS & PIECES

A mother's advice to her daughter —
Never marry a man that snores, but make
sure that it is too late before you find out.

□

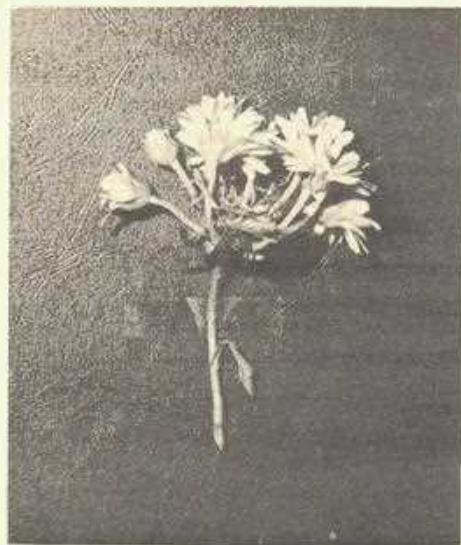
The poorest judge of distance is the
family man who thinks he can make both
ends meet.

□

She was a well reared girl — not bad
from the front either.

□

When the ghost drifted into the pub he
naturally asked, "Do you serve spirits
here?"



The multiple marigold.

GARDENING NOTES FOR SEPTEMBER

- FLOWERS: SOW: Alyssum, Antirrhinum, Candytuft, Carnation, Cornflower, Dianthus, Godetia, Hollyhock, Larkspur, Mignonette, Nemophila, Phlox Drummondii, Petunia, Salpiglossis.
PLANT: Antirrhinum, Dianthus, Delphinium, Cornflower, Lupin, Petunia, Clarkia, Godetia, Carnation, Phlox.
- VEGETABLES: SOW: Cabbage, Broccoli, Lettuce, Beetroot, Spinach, Peas, Leek, Onion, Endive, White Turnip, Carrot, Parsley, Parsnip, Herbs.
PLANT: Cabbage, Beetroot, Silver Beet, Rhubarb, Artichoke, Potato, Onion, Lettuce.

The month of August has certainly been "Wattle-Time" this year, as the unusually warm weather has brought both early and late varieties into bloom together, lighting up many a drab corner in both bush and garden. The migratory Honeyeaters have also been seized with the desire to return and many of these are already spreading through the area, making the most of the early flowering fruit-blossom as well as the native shrub and tree blooms.

Flowering Almonds, Plums, Pears, Peaches and early Crab Apples will be at their best this month, with later Crab Apples and Cherries to follow.

Watch out for new varieties of flowering annuals and vegetables from now on and try *some* of these, as many newer varieties are specially developed for spectacular flushes of bloom or quantities of vegetables, maturing at the same time. With this type of bearing it is all the more essential to make sure that "follow on" sowings of vegetables are made.

A small sowing of beans can be tried about the end of this month, but watch out for late frosts and if trying early tomatoes, make sure that the seedlings are covered every night until frosts have definitely finished.

A COUPLE OF NATURES FREAKS

The accompanying two photos show what mother nature can do when she decides to go off the rails.

Liol Bush brought in this parsnip which decided to be a bit different. It had grown through the vertebra or backbone of some animal, probably a cow, which had somehow got into the garden bed.

The other photo shows a marigold, which Wally Napper our gardener, came across in the garden outside the Machine Shop at Berrima. It had flowered normally and had lost its petals in due course, leaving the seed pod on top of the stalk. These seeds must have been very fertile as they could not wait to be planted before shooting. Instead, they shot from the seed pod resulting in the seven smaller flowers sprouting from the original stalk.

Our gardening expert Mrs. Crewe says that it is a form of mutation which is not uncommon in English Marigolds given the right conditions.



Liol's Parsnip.

- PUZZLE PAGE -

3

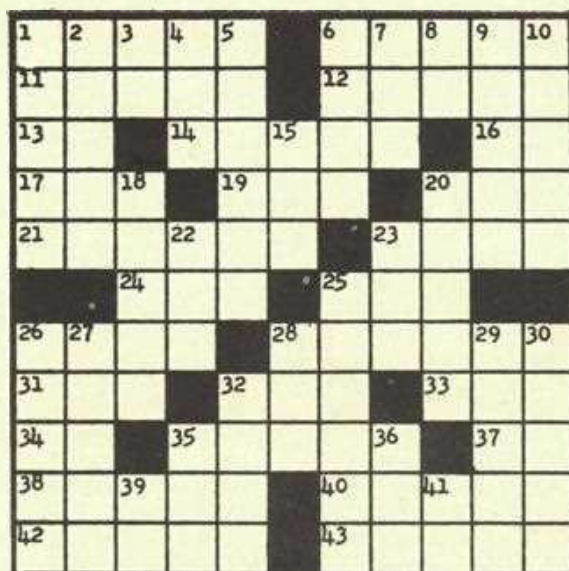
ACROSS

- 1 Flunks
6 Loved ones
11 Acclaim
12 Enrich
13 Negative vote
14 Gazed intently
16 Exist
17 Shout
19 Rowing device
20 Honey producer
21 Power
23 Clenched hand
24 Untruth
25 Armed conflict
26 Hairless
28 Manage
31 Beast of burden
32 Public vehicle
33 Weep
34 Yes! (Span.)

DOWN

- 35 Solemn attestations
37 Thus
38 False gods
40 Consumed
42 Dispatches
43 Tale

1 Field barrier
2 Nut of the oak
3 Prefix: not
4 Fold over
5 Comedian's foil
6 Antlered animal
7 Finale
8 Prefix: near
9 Loose garments
10 Sugary
15 Beam of light
18 Screams
20 Feathered friends
22 Relieve
23 Cooling device
25 Launders
26 Foundation
27 Out of the way



- 28 Shack
29 Defeated one
30 Black wood
32 Edible fish

- 35 Aged
36 Rested
39 Forward
41 As far as

ANSWERS TO LAST MONTH'S CROSSWORD:

ACROSS: 1. Char, 5. Spa, 8. Hard, 12. Aide, 13. Hip, 14. Oboe, 15. Deep, 16. Attitude, 18. Lady, 20. Deter, 21. Roate, 24. Gel, 25. Apace, 26. Sea, 27. Ido, 30. Gale, 31. Jam, 32. Crib, 33. Ell, 34. Hop, 35. Share, 36. Rub, 37. Shanty, 38. Radar, 41. Apet, 42. Inactive, 44. Tote, 48. Mere, 49. Con, 50. Erie, 51. Ewer, 52. End, 53. Reel.

DOWN: 1. Cad, 2. Hie, 3. Ade, 4. Replace, 5. Shade, 6. Pity, 7. Apt, 8. Hotel, 9. Abut, 10. Rode, 11. Deer, 17. Idea, 19. Ate, 21. Rage, 22. Opal, 23. Tall, 24. Gem, 26. Sap, 27. Iran, 28. Dirt, 29. Obey, 31. Job, 32. Chatter, 34. Hurt, 35. She, 36. Racer, 37. Spend, 38. Rime, 39. Anew, 40. Dare, 41. Avon, 43. Ice, 45. Ore, 46. Tie, 47. Eel.

RESULT OF LAST MONTH'S PUZZLE:

1st Prize — \$5.00 Mrs. J. PEARSON — MARULAN.

2nd Prize — \$3.00 MRS. H. STAUBNER — GENERAL OFFICE.

3rd Prize — \$2.00 JACK KING — BER-RIMA STORE.

Two consolation prizes of \$1.00 each went to TOM SHARKEY of Marulan and MRS. M. SAUNDERS of Bowral.

Closing date for this month's puzzle will be 15th October.



BERRIMA MARULAN



MEDWAY SYDNEY

— Southern Portland Cement Ltd. —

NEWSLETTER

Vol. 2 No. 5

OCTOBER, 1973



Gary Cope and Lindsay Smart on the SPC stand at Wollongong Apprenticeship Week Exhibition, see story page 3.

S.P.C. NEWSLETTER

OCTOBER, 1973

VOL. 2 — No. 5

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REGULAR CONTRIBUTORS

BERRIMA . . .

R. Greaves — Fishing.
Mrs. C. C. Crowe — Gardening.
C. Sonter — Nature Notes.
J. Lewis — Bits and Pieces.

SYDNEY OFFICE . . .

Mrs. Lorraine Douglas.
Mrs. Dana Savovich

MARULAN . . .

A. Murphy.

COLLIERY . . .

M. Thorpe.

PHOTOGRAPHY . . .

C. W. Knowlson.
L. Humphries.
C. Glacken.

EDITOR: C. W. KNOWLSON

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STAFF CHANGES AT BERRIMA

On the retirement of Mr. J. Colquhoun, General Foreman, on the 28th October, 1973 and the retirement of Mr. J. Brown, Assistant General Foreman, on the 14th December, 1973, there will be a re-organisation of the Production and Maintenance functions at Berrima Works to take place on the dates indicated below.

As from 26th October, Mr. J. Zaranski will assume the position of Production Foreman to whom all Shift Foremen will report. Mr. J. Brown will become the Production Services Foreman to whom the Yard Gang, End Loader Drivers and Jaques Shovel Driver will report. This Foreman will also be responsible for the handling of raw materials into the plant. Both of these Foremen will report directly to the Production Superintendent, Mr. S. Marshall.

A Construction Foreman will be appointed to work under the direction of the General Maintenance Foreman and he will be responsible for the Painters and Carpenters. Brick Layers while working in their trade will report to the Construction Foreman, at other times they will report to the Production Services Foreman Mr. R. Magnus will initially act as Construction Foreman and will also be in charge of kiln bricking.

The Coles Crane and Fork Lift Operators will report to the Maintenance Planning Officer in the machine shop.

The Perway Foreman, Mr. A. Quail, will report directly to the Production Superintendent until 1st December next, after which he will report directly to the Engineering Superintendent.

Powerhouse

Until further notice the Powerhouse Foreman will report directly to the General Superintendent.

Stockhouse

The Despatch Officer will be responsible for the operation of the Stockhouse in that the Stockhouse Foreman will report to him and this section will have control of the Loco, its Drivers and Shunters. The Des-

patch Officer will report directly to the General Superintendent but it is expected that this will be primarily for administrative purposes because it is intended that the Stockhouse will become more involved with the marketing function in future.

On the retirement of Mr. J. Colquhoun, Mr. J. Zaranski will be appointed Production Foreman as from 26th October, 1973.

On the retirement of Mr. J. Brown on December 14th, Mr. R. Croese will be appointed Production Services Foreman.

Mr. A. Hare will be appointed Acting Shift Foreman as from 14th December, 1973.

Mr. L. King will be appointed Acting Shift Foreman on his return to normal duties following sick leave.

SUGGESTIONS

At recent Suggestion Committee Meetings the following awards were made:

BERRIMA:

Ronald McKeown	\$10.00
Francis Burke	\$10.00
Greg Knapman	\$15.00
Greg Knapman	\$15.00
Phil King	\$10.00
Stephen Sutton	\$10.00

Merit Awards of \$5 were also made to Ian Beaton and J. Hubblewhite.

MARULAN:

John Plonski received an interim award of \$50.00 for a suggestion on the hopper at the Jaw Crusher. This award could be increased after an assessment period.

Gary Dickensen received an award of \$25.00 for a suggestion concerning guards on the trunnions on the rotary kiln.

Other awards went to:

Les Lucre	\$15.00
Stan Bell	\$20.00
Rex Izzard	\$10.00
Les Lucre	\$5.00

EDITORIAL . . .

First of all I must apologise for the late arrival of the September issue, but what with blackouts and one thing and another it was out of our hands.

As Chris is due back shortly, this will be my last issue and I would like to thank everyone that has helped me over the last three issues, including the girls at the typing pool who have had to decipher my scrawl, our regular contributors, Chris Sonter, Mrs. Crowe and Russ Greaves as well as everyone else who has gone of of their way to help me with articles, they have all made my job so much easier.

I have no doubt that Chris will have some interesting tales to tell us of his travels over the last three months, and we will all be looking forward to hearing from him.

With the warmer weather coming on, everyone will be thinking of outdoor activities. At the same time don't forget the particular hazards which go with these activities. Make sure the fire is completely extinguished after you finish your barbecue. See there is no broken glass or other sharp objects around where the kids are playing barefoot. Check the currents at the beach as well as the depth of the water before you dive in. Keep an eye on the weather when you take the family out in the boat in case a sudden squall comes up. Observe the proper safety precautions when you get the mower out to cut the grass. And of course be particularly careful in the car with the extra traffic which will be on the road during the holidays.

I don't want to be a wet blanket and spoil all your fun over the holidays, but if you use a little common sense it could mean the difference between an enjoyable outing and having some of the family ending up in a hospital bed, or even worse.



The John Lysaght Stand.

WOLLONGONG APPRENTICESHIP WEEK EXHIBITION

As mentioned in last months issue, S.P.C. had an exhibit in the above exhibition. The sheet metal bender, abrasive cutting disc and other items used in the Goulburn exhibit were again on show and created quite a deal of interest. The stand was manned by Gary Cope and Lindsay Smart under the direction of Apprentice Training Foreman Jim Galloway.

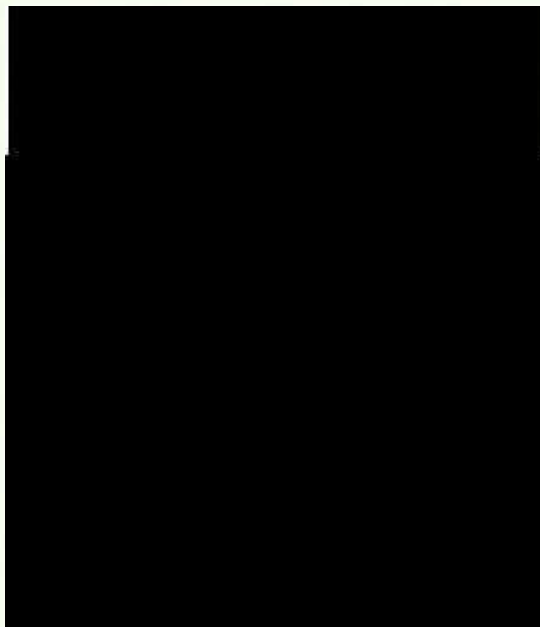
Among the many exhibits were those entered by the Navy, Metal Manufacturers, A.I.S., B. & W. Steel, Wollongong Technical College, Dept. of Public Works, and John Lysaght.



Gary Cope answers questions.



The Wollongong Technical College Stand.



A.I.S. Apprentice bricklayers.

A TALL PROBLEM

What to do with a steel stack 3.05m diameter and 33.55m high, which is showing signs of corrosion, and if left could become dangerous, but at the same time cannot be taken out of service.

This was the problem that faced the engineers at Berrima recently, when the stack which is used on No. 2 and No. 4 Kilns started to show signs of deterioration.

After discussions with all concerned it was decided to do two things. Firstly to remove the top 3 metres which is not used, and secondly to plate the exterior of the remainder of the stack. This is easy to say, but in fact involves a lot of work.

Firstly, a scaffold had to be built all around the stack, for the full height to allow access to all areas of the stack, no mean feat in itself. Then a crane with a 40 metre jib capable of lifting at least 5 tonnes had to be brought to Berrima from Wollongong and positioned beside the stack to do the heavy lifting.

10mm Steel Plates had to be rolled to the correct diameter, so that they would fit neatly around the old plating and be welded to it with a minimum of alteration in the air. The old plating had to be wire brushed where the welds occur to ensure a proper bond and all lugs, welds and pieces attached to the stack have to be removed and ground back flush so as not to interfere with the new plating.



page 4



The stack with the scaffolding partly erected.

RETIREMENT

Our Purchasing Officer, Appy van der Molen, has not enjoyed the best of health recently and due to this has decided to retire.

Appy joined S.P.C. in 1955 and for the first six months of his service assisted the late Mark Jones in the despatch section. He was then appointed Purchasing Officer, and held down this position until his retirement.

All his old workmates hope that he soon recovers his health and is able to enjoy his retirement.

ANOTHER NUISANCE ELIMINATED

Ever since the present limestone handling system was installed at Berrima, trouble has been experienced keeping the dust down when the stone is tipped from the conveyor system at the limestone gantry.

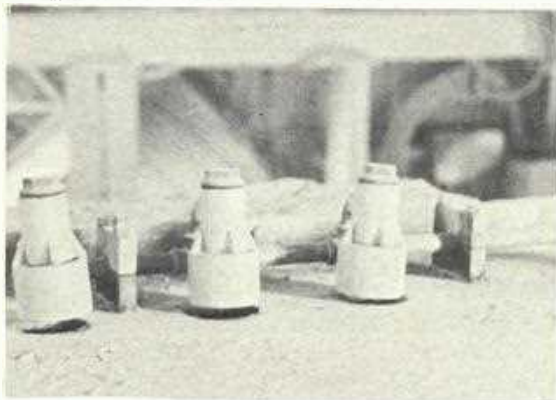
Water sprays were tried on the stone as it travelled along the conveyors, but the amount of water required to dampen the dust caused problems with blocked chutes and build-up on the conveyors, so the problem was only transferred from one area to another.

A new system has been recently installed which should eliminate this problem. Sprays have been installed at strategic points along the conveyors which spray water to which a wetting agent has been added, onto the stone. The addition of the wetting agent reduces the amount of water which has to be used, and eliminates the blocked chute problem while still making the stone damp enough to eliminate the dust.

The whole system is automatically controlled and the sprays do not operate until there is stone on the belt, and then only spray sufficient water to cope with this amount of stone.

Only small amounts of wetting agent are mixed with the water, one litre being sufficient to treat up to 750 tonnes of stone. This can be varied to suit the type of stone being handled.

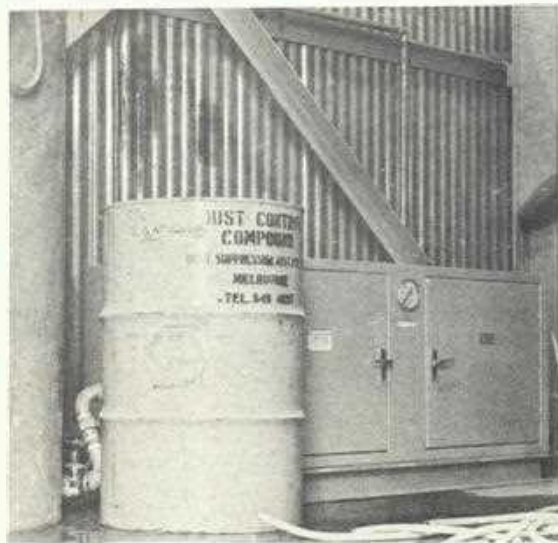
This system has been used in other plants throughout Australia with a marked degree of success.



A close-up of some of the sprays.



Dust free limestone falling on to the heap.



Part of the control equipment.

RETIREMENT — JIM COLQUHOUN

After more than 45 years service with SPC, Jim Colquhoun has decided to call it a day and retire from the company on 28th October.

Jim started at Berrima in 1928 and has seen quite a few changes at the plant in his tour of duty.

At a function at Bowral Bowling Club on the 12th in his honour, he was presented with a cheque and a watch from the company by Mr. Lloyd Veal with whom he has worked for many years. His mates also gave him two autographed photos of the works, one taken in 1938 and one taken recently, to remind him how much the plant has grown while he was here and also so he can look back in the future and think of the people he worked with during those 45 years.

We all wish you all the best in the future Jim, and hope you have many years to enjoy your retirement.

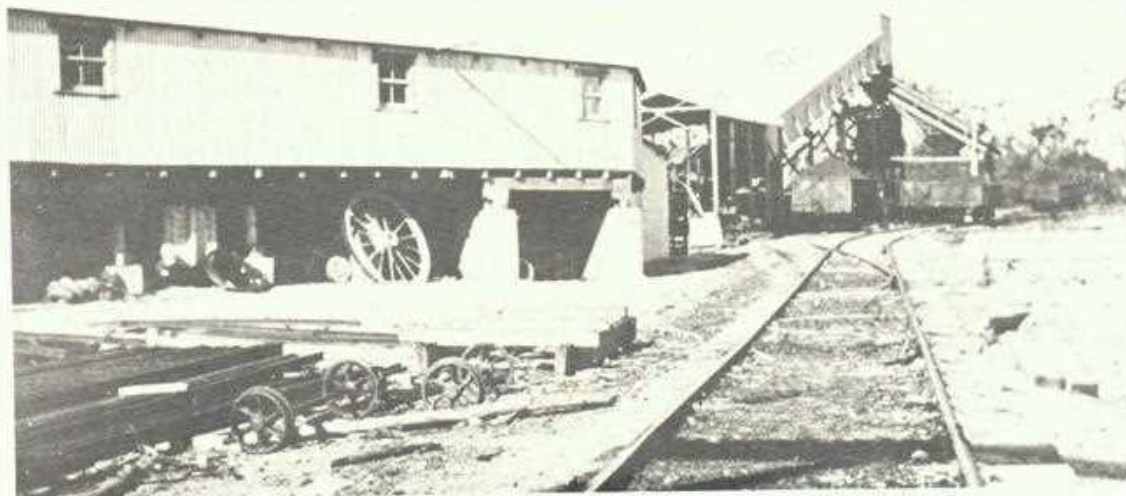


JIM

Lloyd Veal makes the presentation to Jim while Ljol Bush and Kevin Moore look on

Some of the gathering at the farewell.

A LOOK INTO THE PAST



The above photo shows how the Colliery pit top looked about 1932.

In those days of course the mine was not mechanised and all coal was dug by hand. The coal was loaded into 30cwt. skips at the face and brought to the main tunnel by pit ponies driven by a wheeler.

At the main tunnel the skips were attached to an endless rope, which pulled them up the incline and into the building on the left of the picture. Here they were detached from the rope and pushed by hand to the tumbler, where their contents were tipped onto a "picking belt."

The empty skips were then pushed to the return part of the rope, and sent back down the mine for refilling.

The "picking belt" can just be seen entering the open ended building in the centre of the picture. While on this belt the stone and bits of timber and other unwanted material was picked off the belt by hand,

and only the coal was allowed to pass to the crusher.

After crushing, the coal went up the conveyor in the background into the hopper, for loading into rail trucks, and from there to the cement works for use in the kilns and boilers.

Since this photo was taken, the tumbler, the picking belt, crusher and conveyor have been replaced by a more modern crusher and two conveyor belts which transport the coal to a 400 tonne bin, from whence most of it is brought to the cement works by road, and only a small percentage now is carried by rail.

The hand mining, skips, pit ponies, wheelers and endless rope were all eliminated when the colliery was mechanised in 1968. Coal is now won from the face by the mechanical miner, which was featured undergoing repairs in our issue last March, and transported to the surface by conveyor belt.

METRIC SYMBOLS

In the past there has been some confusion over the correct symbols and contractions which should be used for various metric units. The following table shows the correct symbols to use for these units. These symbols are internationally recognised and are the only ones which should be used.

The following points should also be noted when using these symbols:-

1. These are symbols and not abbreviations. It is incorrect to place a full stop after the symbol.
2. These symbols have no plural form. It is incorrect to use an "S".
3. The meaning can be changed completely if capitals are used in place of

small letters or vice versa. Even in headings where capitals are used throughout, the correct case of letter must be used for the symbol, for example, **SPEED LIMIT** 60km/hr is correct not 60KM/H.

4. Leave a space between the number and the symbol.
5. The abbreviations c.c. or cc for cubic centimetres are incorrect. The correct symbol is cm³ — see the table.
6. If for practical reasons the correct symbol cannot be used, then write out the name of the unit in full or use only the contraction shown in the table.

A	B	C	D
QUANTITY	UNIT	CORRECT SYMBOL	ONLY ACCEPTABLE CONTRACTION
LENGTH	metre kilometre centimetre millimetre	m km cm mm	
AREA	square metre square kilometre hectare	m ² km ² ha	sq m sq km
VOLUME	cubic metre cubic centimetre litre millilitre	m ³ cm ³ l or l ml or ml	cu m cu cm
MASS	kilogram tonne gram	kg t g	
SPEED	metre per second kilometre per hour	m/s km/h	
PRESSURE	pascal kilopascal	Pa kPa	
TEMPERATURE	degree Celsius	°C	C
FUEL CONSUMPTION	litres per hundred kilometres	l/100 km	

RECYCLING A WASTE PRODUCT

A scene of more than usual activity lately has been the ash dump at Berrima, adjacent to the works. This is where the waste ash from the Boiler House is pumped and disposed of. A dragline has been reclaiming this ash and trucks have been carting it back to the works.

Why all this activity? Well it is an example of how a product, which up until now was considered waste and a nuisance, can be reused and perhaps save money and an eyesore at the same time.

This ash has the same chemical composition as the clay, which has been used in the process of cement manufacture in the past. By adding it to the limestone in the raw mills, a slurry of the same chemical composition as that previously obtained by using clay, can be fed to the kilns.

By eliminating the clay the company saves the cost of having to quarry it, and cart it to the wash mills, where it has to be broken down into a slurry before it can be fed to the raw mills. The ash of course is very fine and needs no further breaking down before use.

It is hoped that, when the tests are completed, the ash can be pumped direct from the Boiler House to the Raw section thus eliminating the dump and the need to reclaim the ash from this area. The dump could then be closed and the area put to better use.



The dragline reclaims at the dump.



Unloading ash at the Limestone gantry.

Two partners of a business firm were on a fishing trip when a sudden squall capsize the boat. One could swim, the other floundered helplessly.

"Bill!" cried the swimmer, "can you float alone?"

"Look Jim" gulped the non-swimmer, "this is no time to be talking business."



"Oh Jenny" Tom called to his wife.

"What do you want?"

"Let's go out tonight and have some fun."

"Good idea, Tom. If you get home first, leave a light on in the hall."

BERRIMA GRAPEVINE

Bill Rutter, who retired in March, 1971, visited the Works recently to renew old acquaintances. He has just returned from a trip around the country in which he visited Western Australia. Bill and his wife were accompanied on the trip by another ex SPCite, Archie McKinnon, who was Chief Engineer at Berrima some years ago.

Received a card from Chris Knowlson from England recently. He is having a great time and says that he has seen more of the place than when he was living there. He leaves on the 21st to return here, so we will be looking forward to seeing him when he returns.

Shift foreman George Whitley has not been enjoying the best of health lately. He is at present in hospital. Let's hope you are soon back on deck again George.

Tony Vermeulen, Powerhouse, is enjoying his annual leave at present.

Don't forget the SPC picnic which will be held on 16th December, keep the date open, as it should be a good day for all the family.

Roger McAndrew, Machine Shop, received a nasty crack on the head recently which required stitches. He tells me that his head has now stopped clicking.

Bill Saker, retired Apprentice Training Foreman, journeyed down from Maryborough recently to renew old acquaintances and to see his grandchildren whom he has not seen for some time.

PROGRESS REPORT ON THE SEA-MONKEYS (scientific experiment being conducted in the General Office). Of the hundreds of sea monkeys that hatched on September 4th, only about a half dozen have survived — we suspect cannibalism — and the largest is only about 4" long.

MARULAN GRAPEVINE

Quite a few Quarry people are on leave or have just returned. They include Roy, Lionel and Lawrence Clack who are fishing the Hawksbury River. Frank Bell, Alan Carter, Peter Knowles, Brian Fletcher and Joe Kopec have been enjoying the easy life also.

Greg Thompson took his holidays also, but for a different reason. He is getting married! All your mates wish you both lots of happiness Greg.

Marulan Soccer Club wound up their season with a barbecue and presentation at their ground on 7th October. They also had a social game against the ladies. Judging by the number of limps and pieces of skin missing around the job next day, it looks as if the ladies might have gotten some of their own back.

Marulan have entered a 3rd grade team in the Goulburn cricket competition. They were beaten in their first game but if Trevor Pearson stays in form they may be a force to be reckoned with. Five wickets in the first innings and seven in the second. Good bowling Trevor.

Tony Cosgrove is coaching an under 12 side in the junior cricket, and they had a better start than the oldies by winning their first match.

Chris Riley was hurt in a car accident at Penrose recently. All your mates wish you a speedy recovery Chris and hope to see you back on the job soon.

Marulan's Safety Record has started to build up again with 48 days on the board at the time of writing. The individual groups at the same time were as follows:-

No. 1 Group	651 days
No. 2 Group	648 days
No. 3 Group	1528 days
No. 4 Group	392 days
No. 5 Group	420 days
No. 6 Group	48 days
No. 7 Group	1131 days

No. 3 Group qualified for 6 year's accident-free on the 13th October. — Congratulations boys!

JUNIOR'S CORNER

IS YOUR BIKE SAFE?

1. REFLECTOR: Its bright glow should be visible for 300 feet.
2. STEERING HEAD: Check for correct adjustment and lubricate.
3. TYRE VALVE: Inspect for leaks. (A cap on the valve will help retain air pressure).
4. FREE WHEEL BRAKE: Does it take hold quickly and brake evenly? If not, have a repairman adjust it.
5. CHAIN: Clean and oil. Adjust chain so there is $\frac{1}{2}$ inch slack in lower part. Look for worn links. Make sure guard is firmly in place.
6. TYRES: Inflate to pressure indicated. Check for imbedded cinders, pebbles, and smooth tread.
7. CRANK: Clean and lubricate. Adjust bearings if necessary.
8. PEDALS: Bearings require lubrication and tightening. Check to see if pedal treads need replacement.
9. SEAT: Put at proper height for rider (legs, thigh and heel should form a straight line when heel is on lower pedal), then tighten.
10. WARNING DEVICE: Can it be heard at least 100 feet away?
11. FORK BEARINGS: Lubricate, then adjust to assure easy steering.
12. HANDLEBARS: Set for proper height, tighten. (Handlebar grips should be right angles to handlebar stem and at about same height as seat.)
13. LIGHT: Must be visible from a distance of 500 feet.
14. CALIPER BRAKE: Lubricate and adjust.
15. WHEELS: Oil and tighten bearings and lock nut.
16. SPOKES: If one breaks, have it replaced right away.

AS A SAFE BIKE RIDER HOW DO YOU RATE?

- | | Yes | No |
|--|-------|-------|
| 1. Always rides on the far left of the road | | |
| 2. Obeys all traffic signs and signals. | | |
| 3. Always gives correct hand signal for turns and stops. (Right turn: Right arm extended out straight from shoulder. Left turn: Left arm extended, out straight from the shoulder. Stop: Right arm extended, bent straight up from elbow). | | |
| 4. Before riding into street from footpath or driveways, stops and looks both ways for approaching traffic. | | |
| 5. Walks bikes across busy streets and railroad crossings. | | |
| 6. Does not stunt, ride no-handed or "hitch" rides on back of cars. | | |
| 7. Pedals along at steady pace, does not wobble or weave in and out of traffic, and has good control of bike | | |
| 8. Steers bike with both hands. Books, packages are in basket or saddlebags. | | |
| 9. Does not carry passengers. One on a bike is the limit | | |
| 10. Wears light coloured clothing at night. | | |



Some of those who attended the recent Credit Union meeting and social.

BITS & PIECES

As the sour-faced, oddly dressed woman poked among the brooms in a hardware store, a clerk stopped and asked if he could help her.

"Nothing here is worth buying!" she snapped. "Flimsy, cheap straw, poor handle, shoddy material!" Shaking the last broom in the collection under his nose, she angrily continued: "Not like the brooms they used to make. Give the floor one good sweep and it would fall apart. What's it good for?"

"Well," the clerk replied, "You could ride it."

□

Summoning up all his courage, George bent his head to kiss her, but she laid a hand over his lips.

"Tell me George" she said, "will I be the first girl you ever kissed?"

A wave of regret for his ill-spent life washed over George.

"Well Sall, not exactly —"

"Thank heavens!" she said, "I hate to be practised on."

□

Mrs. Newwywed: "Harry, my dear, I know something is troubling you, and I want you to tell me what it is. Your worries are our worries now."

Mr. Newwywed: "Well dear, we've just had a letter from a girl in Melbourne, and she is suing us for breach of promise."

□

"John, wake up."

"What's the matter?"

"I'm sure I heard a mose squeak"

"Well what do you want me to do? Get up and oil it?"

□

"Tickets please!" said the inspector, appearing at the door of the carriage. After all the other passengers' tickets had been punched, the old gentleman in the corner continued to go through his pockets one after the other and to show every sign of nervousness.

"Lost your ticket?" enquired a fellow traveller; then, "Why, you're holding it in your teeth all the while!" Hurriedly the inspector punched the ticket and departed.

As the train proceeded: "Unfortunate affliction, absence of mind," said one of the passengers cheerfully.

"Absence of mind be blowed!" said the old man, "I was chewing off last week's date."

□

Mrs. Brown: "For months I couldn't discover where my husband spent his evenings."

Mrs. Smith: "How did you find out?"

Mrs. Brown: "Well, one evening I went home and there he was."

□

Moving along a dimly lit Melbourne lesser suburb, a well-dressed citizen was approached by a stranger who slipped from the nearby shadows.

"Please sir," asked the stranger, "would you be so kind as to help a poor unfortunate fellow who is hungry and out of work. All I have in the world is this little pistol."

□

"You see sir," explained the salesman, "I need a rise because of illness in the family."

"What's the problem?" the sales manager enquired.

"My wife is sick and tired of my being broke."

□

An artist was exhibiting some of his work when an inquisitive matron asked him, "Do you do anything in the nude?"

"Well madam" replied the artist, "I occasionally take a bath."

□

The arty type was trying hard to chat up the barmaid.

"Tell me" he said, "do you have a thirst for knowledge?"

"Oh sure" she replied, "I can drink anything."

OBITUARY — FRED SIMONS

Fred was the eldest of a family of 3 boys and 6 girls and was born at Leichardt in 1902. At an early age his people moved to Lithgow where Fred was apprenticed as a boilermaker to Hoskins Iron & Steel works in 1918. As a young man he took up boxing as a sport and had 50 professional fights winning 47 of them. He also held the Western District Welter-weight Championship.

In 1921 he left his home town for Sydney, where he worked at Garden Island, Mortlake Gas Works and Commonwealth Steel. He came to Berrima in 1928 and started with A. S. Taylor on the construction of the cement works, he later opened his own petrol station and grocery store in Berrima where Westbury now stands. He had two sons, Freddie who was killed as the result of an accident in 1932, and Leslie who was killed in a road accident in 1952.

During the war he returned to Garden Island, working on warships and was considered by the naval authorities to be one of the best angle smiths and welders in the trade. After the war he returned to Berrima to carry on his business.

Fred later returned to S.P.C. as a welder and finally retired in 1972. He then moved to Ingleburn where he stayed until his death on 10th September last.



Fred with some of his workmates at the time of his retirement.

NRMA NOTES

NEW BRIDGE ON HUME HIGHWAY, NEAR BERRIMA

The construction of dual carriageways on the Hume Highway between Mittagong and Goulburn took a further step ahead recently. A tender has been accepted by the Commissioner for Main Roads for the construction of a bridge over Medway Rivulet. Located about 5 kilometres south of Berrima, this bridge will be on the southbound lane of the Hume Highway's future dual carriageways.

Replacing the old timber Three Legs O'Man Bridge the bridge will be constructed by Graham Evans and Co. Pty. Ltd., whose price was \$75,820. The 46.3m long prestressed concrete bridge was designed for the Department of Main Roads by MacDonald, Wagner and Priddle in association with Freeman, Fox and Partners.

THROSBY PARK RESERVED AS HISTORIC SITE

Advice received by the N.R.M.A. that Throsby Park, the convict-built homestead of one of the first settlers in the Moss Vale district, has been purchased by the National Parks and Wildlife Service and will be dedicated as the State's ninth Historic Site.

Throsby Park homestead was built during a three year period from 1834 to 1837 by Charles Throsby, nephew and heir of the original owner of Throsby Park, Charles Throsby Senior.

The National Trust has given the building an "A" classification and has described it as "of national importance and the highest architectural quality." The Trust says its preservation is regarded as essential "whatever the cost."

MERLA VALLEY

By Chris Sonter.

Meryla, you have called me to your crater-rimmed edges,
Where the tall timbers glide like spears to the ferns and sedges.
Where deep blankets of fog rise like shrouds in endless praise,
To become as clouds.

Meryla, you have called me to seek your treasures rare,
From lofty cedars to lowly ferns of maidenhair,
From your tiny pocket clearings where wildflowers bloom fair,
To dim glens of ferns where dampness rules the air.

In spring and summer you have called me, you have beckoned me to come and share the sweet calling of the birds,
That have come from the northern sun.
To listen to the insects drone, and know what it is to be
With nature in her home.

Autumn has given way to winter, now the cold winds blow,
The birds have flown to warmer haunts, far from the ice and snow.
But Menurna has called me, to watch him dance and sing,
He alone will share Meryla till the coming of the spring.

WINTERS RAIN

Chris Sonter, 1972.

As I look toward the heavenly sky
Through the rain-spattered panes of my room,
My heart is filled with sadness —
For there's no rising of the moon.
Instead, the black clouds rumble past
In a fearful march of solitude —
And spilling their contents o'er the land
Where only the farmer will pay his gratitude.

And now the pale rays of light
Come slinking through the dawn,
For the loneliness of the long cold night
Has given way to another morn.
And still the clouds which have turned to grey,
Stampede across the sky,
But the swaying of the gumtrees tall
Is the only sign of the winds cold sigh.

The bush, it seems so lonely
For the rain has made it drear,
The birds are all so silent —
There are no voices of love and cheer
And the flowers that brave the winter's clime
Now bend their heads in shame,
For the grey clouds passing overhead
Are filled with winter's rain.



AN APPLICATION FOR SICK LEAVE

This did not happen at S.P.C., and it has been written up before, but it is still worthwhile reading again.

A bricklayer was sent to a certain job and wrote the following report:

"When I got to the building I found that the hurricane had blown some bricks off the top. So I rigged up a beam with a pulley at the top of the building and hoisted up a couple of barrels of bricks.

When I had fixed the building there were a lot of bricks left over. I hoisted the barrel up again and secured the line at the bottom, and went up and filled the barrel with the extra bricks. Then I went to the bottom and cast off the line.

Unfortunately, the barrel of bricks was heavier than I was and before I knew what

was happening, the barrel started down jerking me off the ground.

I decided to hang on, and halfway up I met the barrel coming down and received a severe blow on the shoulder. I then continued to the top, banging my head against the beam, and getting my fingers jammed in the pulley. At the same time the barrel hit the ground and burst its bottom, allowing the bricks to spill out. I was now heavier than the barrel and started down again at high speed.

Halfway down I met the barrel coming up and received severe injuries to my shins. When I hit the ground I landed on the bricks, getting several painful cuts from sharp edges. At this point I must have lost my presence of mind, because I let go of the line. The barrel came down giving me another heavy blow on the head and I wish to apply for sick leave.

SPORTING PAGE

HOCKEY

SPC Hockey Club finished the 1973 season on Saturday, 29th Sept. when they met Bowral in the 3rd grade Grand Final at SPC Oval.

Previous to this they had played Moss Vale in a semi-final at Exeter and after a close-fought game, emerged the victors, 1-0. Unfortunately their luck did not hold and despite goals by Terry Newey and Harry Chapman, and sizzling shots at goal by Greg Limond and Gary Johns which just missed, Bowral went on to win 3-2.

At an informal function at SPC hostel after the game, a trophy donated by Peter Doyle for the most improved player of the season, was presented to goalkeeper Paul Barcicki. Paul had not played hockey before this season and with the coaching of Harry Chapman and Peter Doyle, improved with each game he played. SPC's 1-0 win in the semi-final against Moss Vale was in no small part due to Paul, whose many clearing kicks kept out the opposition, not to mention the two penalty flicks which he saved.

On present indications SPC could field two teams next season, one each in second and third grade, and quite possibly a women's team as well.

As the SPC team approached the grand final a few of the older ex hockey players on the plant decided that the youngsters had still a few things to learn about the game, and challenged them to a game to teach them some of the finer points. Despite drizzling rain the game went on, and in the first ten minutes the youngsters got the shock of their lives when the oldies shot their defence to ribbons and popped in two quick goals. Unfortunately the oldies ran out of steam at this point, and the youngsters took over. Nobody was quite sure of the final score but it was something like 8-4.

Some of the oldies who played were, Len Howe, Ron Spence, Eddie Johns, Bob Burns, Nev Gilby, Bill Gale, Terry Saker, Ian Mackey, Peter Doyle, Ian Beaton and

Neil Lancaster with Liol Bush doing his usual job with the whistle.

Despite the number limping around the plant next day, everyone voted it a good day especially the "do" in the hostel afterwards.



Terry Newey and Tim Lancaster take a penalty corner in the grand final.

CRICKET

Once again the Cricket season is with us, and the Moss Vale and Southern Districts Cricket Association 1973/74 season got away to a rather damp start on 6th October.

SPC have entered a second grade team in the competition, but have not been able to get off the ground in the first two matches. They missed out on the first day when Mittagong withdrew from the competition, and were unable to play their second grade game on the 13th against Moss Vale Services when the ground was unfit for play due to the heavy rain during the week.

We will be following their fortunes during the season and with a bit of luck they may get even further than they did last season when they were beaten in the semi-finals by Chevalier.

FISHY TALES

According to the Department of Tourism, angling is permitted on Lakes Jindabyne, Eucumbene and Blowering throughout the year. Unless otherwise specified, the open season for stream fishing is from 1st October to 31st May. The opening and closing dates usually being adjusted to the nearest Saturday for the opening and to the nearest Monday for the closing dates.

Special conditions apply to some streams which are regarded as important spawning waters. Thus the Eucumbene River and its tributaries up to the face of the Three Mile Dam, and all other tributaries of Lake Eucumbene upstream to their sources may usually be fished only from the Friday nearest to the middle of October to the Monday nearest the first day of May. Such closures on streams flowing into lakes are effective upstream from where their visible flow merges with the backed-up waters of the lake.

The lakes, dams and most streams may be fished with flies, spinners or bait, but the lures must consist only of artificial flies, insects or the larvae thereof, worms, spoons, flashes, spinners, wobblers or similar approved artificial bait.

To prove there are some about, a party made up of Jack Brown, Alan Parker, Albert Canova, Ken Coates and Alan Watt

of S.M.A. visited Lake Eucumbene on the holiday weekend. Fishing at Braemar Bay, they were lucky enough to bag 8 Rainbows to 3½ lbs., 3 Brook Trout to 4 lbs., and 25 Browns to 7½ lbs. The 7½ lb. Brown was landed by Jack Brown who measured it at 29 inches long. It was caught on a Nimitabel Fly and if Jack had had the silo tape with him it would have measured 736.6 millimetres.

The party used lures such as Helen's Flatfish, Super Dupers, worms and Braemar Flies.

ANOTHER FISHY TALE

As well as the party Russ Greaves mentioned in his column, another S.P.C. party decided to try their luck at Wee Jasper. They included Bob Strode, David King, Noel Steffenson, Henry Newman, Geoff Peters, Mick Eirth, Cliff Coleman, Peter Wyatt and Barry George.

While their bag was not as big as Jack Brown's party, they managed to pick up a few trout, and other odds and ends, together with the inevitable tales of the one that got away.

The accommodation and facilities at the Park were all that could be expected and everyone voted it a most enjoyable weekend.



Steak for tea on a fishing trip? Noel Steffenson and David King — cooks.

GARDENING NOTES FOR OCTOBER

FLOWERS:

SOW: Amaranthus, Antirrhinum, Aster, Bedding Begonia, Coreopsis, Celosia, Dahlia, Carnation, Dianthus, Eschscholtzia, Gaillardia, Helianthus, Ipomoea, Gomphrena, African Marigold, Nasturtium, Phlox drummondii, Petunia, Portulaca, Rudbeckia, Salpiglossis, Salvia, Scabiosa, Sweet Pea, Zinnia.

PLANT: Phlox, Petunia, Antirrhinum, Carnation, Dianthus, Chrysanthemum, Verbena, Bulbs or Tubers of Achimene, Agapanthus, Calla, Canna, Dahlias, Flag Iris, Gladioli, Kniphofia, Japanese Iris, Tuberose, Tuberous begonia.

VEGETABLES:

SOW: Beetroot, Beans (French and Butter), Carrot, Onion, Peas, Parsnip, Parsley, Swede Turnip, Sweet Corn, White Turnip, Cabbage, Celery, Egg Plant, Capsicum, Leek, Rhubarb, Tomato, Cucumber, Melon, Squash, Marrow, Cress, Lettuce, Mustard, Onion, Radish, Herbs.

PLANT: Cabbage, Lettuce, Tomato, Potato.

Strong winds and very little rain, during August and the greater part of September have quickly dried out the surface moisture and most gardens have had to be watered almost continuously.

We have had a few heavy frosts during September too, but Spring growth has been very rapid and flowering Plums, Peaches and Early Cherries have been a mass of bloom and Crab Apples have also flowered early.

Most lawns in the area have had to be mown during the late winter and if you have not already given yours a top-dressing and fertilising, this should be done as soon as possible.

Some Spring flowering annuals will need to be taken out towards the end of this month and summer flowering ones such as, Petunia and Phlox planted in their places. When planting Dahlias, make sure that the stakes are placed in position, close to the tubers, so that the plants can be tied up as they grow.

The majority of vegetables can be grown now, but be ready to cover frost-tender plants on frosty nights. Give the green leafy vegetables a dressing of liquid fertilizer every ten days to keep them growing rapidly.

Make sure that newly planted shrubs and trees do not dry out at the roots, and give any newly planted evergreens an overhead watering as well, every few days, while dry conditions and winds continue.

Watch for aphids and caterpillars, which are already active on new shoots, remembering that certain sprays are now available in pressure packs. Perhaps our motto should be:- "A SQUIRT TODAY HUNTS BUGS AWAY!"



The hungry fishermen wait for their tea.

PUZZLE PAGE

4

ACROSS

- 1 Upper limb
- 4 Container
- 7 Social insect
- 10 Female deer
- 11 Recline
- 12 Confederate general
- 13 Lair
- 14 Knack
- 15 Lyric poem
- 16 Water barrier
- 18 Male descendant
- 20 Goes by
- 23 Spool
- 26 Public notice
- 27 Perched
- 29 With regard to
- 30 Bamboolike grass
- 33 Desired
- 36 Speck
- 38 Front of foot

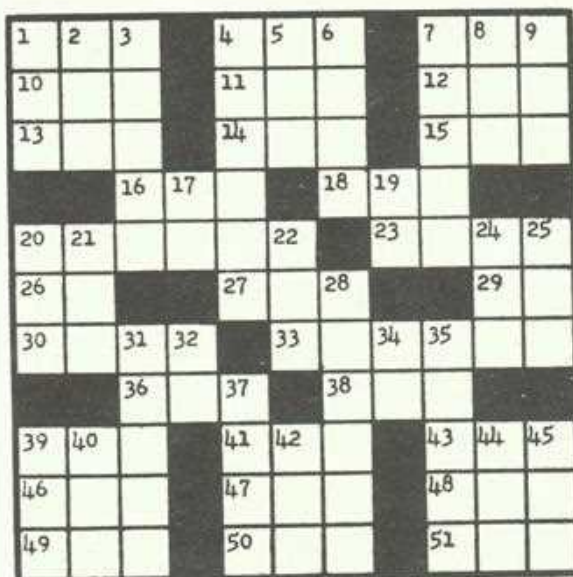
- 39 Wooden pin
- 41 Likely
- 43 Drunkard
- 46 Wide street (abbr.)
- 47 Chum
- 48 Couple
- 49 Reply of assent
- 50 Female sheep
- 51 Stitch

DOWN

- 1 Append
- 2 Fish eggs
- 3 Repairs
- 4 Holds responsible
- 5 Manner
- 6 Receives
- 7 Solitary
- 8 Boy's name
- 9 Golf peg
- 17 While
- 19 Otherwise
- 20 Equality
- 21 Fruit drink
- 22 Toothed tool
- 24 Before
- 25 Guided
- 28 Blab

- 31 Moves gradually
- 32 Serve
- 34 Not any
- 35 Puts to proof
- 37 Narrow fabric

- 39 Wages
- 40 Dusk
- 42 Animal's foot
- 44 Be in debt
- 45 Haul



Answers to last month's crossword.

ACROSS: 1. fails, 6. dears, 11. eclat, 12. endow, 13. no, 14. pored, 16. be, 17. cry, 19. oar, 20. bee, 21. energy, 23. fist, 24. lie, 25. war, 26. bald, 28. handle, 31. ass, 32. bus, 33. sob, 34. si, 35. oaths, 37. so, 38. idols, 40. eaten, 42. sends, 43. story.

DOWN: 1. fence, 2. acorn, 3. il, 4. lap, 5. stooge, 6. deer, 7. end, 8. ad, 9. robes, 10. sweet, 15. ray, 18. yells, 20. birds, 22. rid, 23. fan, 25. washes, 26. basis, 27. aside, 28. hut, 29. loser, 30. ebony, 32. bass, 35. old, 36. sat, 39. on, 41. to.

WINNERS OF LAST MONTH'S CROSSWORD

1st prize: \$5.00 Ron Budden — General Office.

2nd prize: \$3.00 Mrs. P. J. Yardi—Bowral.

3rd prize: \$2.00 A. Canova — Berrima Electrical Shop.

Two consolation prizes of \$1.00 each went to Mrs. P. Murphy, 89 Prince Street, Goulburn, and Helen Staubner — General Office.

SOUTHERN PORTLAND CEMENT LTD.
NEWSLETTER



Interior of the BHP Display Caravan — See Page 6

S.P.C. wishes you a Merry Christmas

S.P.C. NEWSLETTER

NOV.-DEC., 1973

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REGULAR CONTRIBUTORS

BERRIMA . . .

R. Greaves — Fishing.
Mrs. C. C. Crowe — Gardening.
C. Sonter — Nature Notes.
J. Lewis — Bits and Pieces.

SYDNEY OFFICE . . .

Mrs. Lorraine Douglas.
Mrs. Dana Savovich

MARULAN . . .

A. Murphy.

COLLIERY . . .

M. Thorpe.

PHOTOGRAPHY . . .

C. W. Knowlson.
L. Humphries.
C. Glacken.

EDITOR: C. W. KNOWLSON

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Season's Greetings...

1973 has been a year of change for all of us, and a good year of achievements for S.P.C.

I wish you and your families a very Merry Christmas and a Happy and Satisfying Year in 1974.

*Rex Williams,
General Manager.*



With Christmas on us once again I would like to wish you and yours a very happy time, and a safe and healthy 1974.

*Bill Gale,
General Superintendent Cement Plant.*



A FEW CHRISTMAS THOUGHTS

When this time of year comes around, it always seems different. It was indeed a very unusual night when the first Christmas was celebrated nearly 2,000 years ago. The Jewish nation had been expecting the Messiah, promised in sacred writings. The prophets had spoken of this event, being given advance knowledge by the One who knows the end from the beginning.

There was a reason why the Deliverer or Liberator must come at this time. For the most part the Jews were thinking of being delivered from the bondage of the Romans, but the real reason was that man should be delivered from death and from the worship of self. To quote from The Book: "The wages of sin is death, but the gift of God is Eternal Life through Jesus Christ our Lord."

So on that first Christmas night, Christmas-giving first started. God gave his Son, and through this gift we have another gift, eternal life.

From this started the idea of Christmas gifts, of forgetting ourselves for a while and thinking out ways of making others happy. It is not the monetary value of a gift that counts but the thought behind it.

It is good if we can think for a while of those less fortunate than ourselves. Recently three voluntary collectors were with us from the Smith Family. They gave of their time and were made happy at the way you gave. This money is used to help many families in need.

*Let us not forget the spiritual message of Christmas, but let us also remember that practical Christianity brings a glow of satisfaction. **HAPPY CHRISTMAS!***



A SAFETY MESSAGE FROM BILL GALE

GENERAL SUPERINTENDENT CEMENT PLANT

This year our works safety performance has taken a turn for the worse with an alarming increase in the number of lost time injuries. After several years of good performance, although never as good as we should all desire, the increase must make us all wary. We do not want to return to the bad old days of 50 lost time injuries in a year. There is no doubt that this could happen unless each one of us takes a long hard look at safety, and the part we play in it.

In my opinion the major reason for the increase is complacency, generated by a sense of false security which has come from many years without injuries.

We must realise that the safety coupon scheme is only a small part of our safety programme. It has been suggested that the coupons should be increased in value, but I would oppose that because it is wrong if we have to measure our attitude to safety by the amount of money we get from it.

What we get from a good safety record is far more important than mere money; it prevents a great deal of human misery. The well being of the whole family, including the education of the children can be disastrously effected by serious injury to the bread-winner.

It is the managements' responsibility to push safety, but it is EVERYONES responsibility to try and implement it. While we do need to spend money on safety issues as they arise, that is not as important in a safety programme, as our individual action in working safely and trying to make conditions safe for our workmates.

When we attend the Safety meetings there is little doubt that whatever is said we have all heard before, but it has been proved that to work safely we all need to be reminded of the dangers of not working safely. The reason for this is that, human nature being as it is we soon become careless. So even if we have "heard it all before," we should seriously take the message to heart and RESOLVE AGAIN TO WORK SAFELY until we are jogged at the next meeting.

A good Safety Record is something to be proud of as part of a team. We should approach it with the team spirit.

I will be extremely grateful to each and every one who will become part of that team, OUR SAFETY TEAM, because the fight against accidents is a fight worth winning.



Mr. Rex Williams our General Manager chats with Mr. J. McNicol our former G.M. Now a visiting Member of the Board of Directors.

Picture is not these



On the 19th and 20th of November Members of the Board of Directors visited Marulan Quarry, Berrima Cement Works, and Medway Colliery..

Members of the Board in the above photograph are as follows, front row from the left — MR. G. W. FERRIS, MR. T. K. DUNCAN, MR. W. HOWARD SMITH, MR. J. F. McNICOL, MR. N. T. GRIFFEN, also a Board Members is standing just behind, and to the right, of Mr. Ferris. MR. D. S. ADAMS was unable to be present on this occasion. Others in the photograph are fairly well known to most of us. Back row extreme left, Mr. T. Pearson, Centre, Mr. D. Marsden, then Mr. D. Green and Mr. M. Pirola from Sydney Office. On the extreme right is our G.M. Mr. Rex Williams.

Below, Mr. W. Gale chats with Members of the Board.



Above, Mr. S. Marshall and Mr. N. T. Griffen.



Above, Mr. K. Graham, General Maintenance Foreman, shows Mr. G. W. Ferris round the Machine Shop.



Mr. J. McNicol and Mr. G. W. Ferris at Marulan Quarry.



Above, from left, Colliery Under Manager, Mr. Don Ray, Colliery Manager, Mr. J. Good, Mr. W. Howard Smith and Mr. R. Williams.



Mr. T. K. Duncan chats with Colliery employees.

EDITORIAL....

Thank you Terry Saker for doing a wonderful job in looking after the Newsletter and welfare work for the last three months.

As for myself, so much has happened during my constant travels, that I find it very difficult to get into a routine again.

On August 1st, along with my son, Andrew, I started on my first ever long distance flight on a Jumbo Jet, Qantas 747B.

I still marvel at the apparent ease with which 345 tons can get off the ground. We soared effortlessly, or so it seemed, and as the panorama began to stretch out below us, we saw Sydney from an entirely new angle. In a matter of minutes the city was far behind, and our speed was approaching 600 m.p.h., crossing Australia was easy this way.

Our pilot informed us that we were flying lower than usual, normally we would have levelled off at about 33,000 ft. The reason for this was high winds.

I looked down on the living map far below, down there were people, going about their daily work, in a familiar little world. I looked down at the clouds floating in endless space, some huge, some mere wisps. Then I looked around at my fellow passengers. Here we were, almost 400 of us, in a huge aircraft, but how insignificant in the expanse of earth below and space above.

As we sped across this great island continent, I began to realise why some air lines call these flights, "earth-shrinkers," distances certainly seemed to be shrinking. Ever since my arrival in Australia, after a sea-voyage of five weeks, I had felt a terrible long way from my relatives and friends in the U.K. Now with the knowledge that the distance can be covered in less than two days, that feeling of isolation has gone.

We passed over the lights of Bali, and soon the lights of Singapore were far below, like strings of sparkling jewels.

We were met at the airport by Chinese friends we had never seen, but given a wonderful welcome nevertheless — we felt at home. Miss Ho Chiock Khoon had been a pen friend of my daughter, Eva, for a considerable time, she had taken the English name of Doreen. It is customary among many of the Chinese youth in Singapore to take an English name in addition to their own Chinese name.

We spent a wonderful five days in Singapore, with Doreen as our guide. Perhaps later I may write more about this.

We confirmed our onward flight to London, and were informed by phone on the day of our departure, that we were on Flight 731 for London that evening. When we attempted to check in, however, we were told, that the computer rejected us! And we would have to travel the following day. Various checkers tried the computer, but received the same answer (for some reason it was determined not to have us). After a long wait, it was finally established that we were really booked on this flight. More deliberations followed, and then we were told we would be transferred to first class!

About 10 a.m. next morning we were circling high above London awaiting our turn to land. As we turned in a huge circle, each time we banked, the whole panorama of earth, country, houses and buildings, seemed to move up and down, as though all were riding on huge waves. It was wonderful to see, but if one watched for long, not so wonderful to feel.

So we arrived.



DISCOVER AUSTRALIA'S B.H.P.

B.H.P. is on the move again. This time in a mobile display unit which recently visited the district.

Liol Bush and myself had the pleasure of meeting Val and Darrell Gordon who were in charge.

From the photographs you will get some idea of the exhibition. It seeks to bring before Australians the immensity and diversity of B.H.P. interests.

As a subsidiary company of B.H.P., Southern Portland Cement has a special interest. We are a part of this huge undertaking.

Mr. Darrell Gordon is endeavouring to interest the schools in particular, and when Liol and myself visited the exhibition, children from Moss Vale primary were swarming in and around.



Val and Darrell Gordon who are in charge of the BHP Display.

It is obvious that a great deal of care and planning has gone into this display. One cannot help coming away with a great deal more knowledge of Australia's largest public company.

In the realm of mining B.H.P. is a major mineral producer. Iron ore and manganese for use in steel-making both here and overseas, and coal limestone and dolomite for use in Australia's furnaces.

In steelmaking the company ranks 15th among the world steel-makers, and has the capacity to produce more than 9 million tonnes a year.

Oil and gas exploration and production is now a major activity. In the short time since gas was first discovered in Bass Strait



Children from Moss Vale Primary School crowd into the Display Van.

BERRIMA GRAPEVINE

Eric Johnston Maintenance Clerk, Machine Shop, will be glad that his wife is now out of hospital. We trust Mrs. Johnston will soon be completely recovered from her fall, Eric.

Trish Turner (Bunter) formerly of the Typing Pool, gave birth to an 8½ lb. boy at Bowral Hospital on October 26th. Young Christopher, his mother and dad are all doing fine.

Jim Wyeth, formerly Stockhouse Clerk has been transferred to Timekeeping.

Roger Goward has transferred from the Machine Shop to the Purchasing Department. On the 15th November Roger turned 21. Congratulations.

Roy Terry, Accounts Supervisor, has resigned, his last day was October 19th.

Shift Foreman, George Whitley is still on the sick list. We trust that by the time this is published he will be well on the way to recovery.

During George's absence Ken Coates will be holding the fort in the Production Department as Acting Shift Foreman.

Phil Brown, Shift Chemist has been transferred to the Production Department for a four week period from October 28th. Phil is gaining additional experience in General Plant and Shift Production procedures.

Welcome to Trevor Pratt who started at S.P.C. Berrima as a Fitter early in November, Trevor served his time here as an apprentice some years ago. He is the son of Daryl Pratt who was formerly a welder at S.P.C.

Anne Hall, formerly of E.D.P. Department gave birth to a baby girl on the 28th October. Congratulations Anne to you and your husband. We trust baby is doing well.

The editor's daughter, Eva, now Mrs. S. Burrell, also has a baby daughter, Patricia Rachel, Patricia is now growing fast. Congratulations Eva and Steve.

New starters in the General Office, fresh out of Moss Vale Tech.

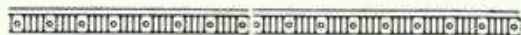
Miss Michelle Stephen of Bowral started on Wednesday, November 14th as the Mail Clerk. She will be replacing Mrs. Elizabeth Banfield who is leaving at the end of November to have her first baby.

Miss Cecelia Rowley of Old Berrima started on Monday, 12th November as a Typist in the Typist Pool. Cecelia has two brothers at S.P.C., Bernard and Gerard.

Good News, according to Don Moore. The S.P.C. Dinner and Dance Fund has now received a grant from the Company. This is greatly appreciated. This year the D & D will be held on December 14th in the Moss Vale Services Club. You may still attend even if you are not in the Fund. Tickets are \$7.00 per double.

Jim Galloway gave me a piece of interesting news the other day. Recently elected to the New South Wales House of Representatives was Mr. Kevin Harrold. He was employed by SPC in the Electrical Shop in 1953. His cousin Dennis Harrold is a fourth year electrical apprentice at SPC, Berrima.

Brian Townsend of the Colliery has recently returned from three weeks travelling by caravan with his family. He has been north to Woolgoolga and Seal Rocks.



MARULAN GRAPEVINE

At the time of writing, Chris Riley is still in hospital. We trust that he will regain full health and strength soon.

Gordon Bryant is now out of hospital — but minus his appendix. Trust you are soon feeling much better Gordon.

John Studdert is also back at work. He left his tonsils at the hospital. Glad to have you back John.

Doug Taylor spent some time in St. Vincent's Hospital, Sydney recently. He has been receiving treatment.



Two Awards that speak for themselves.

Barry Banfield, Alan Gutzke, and Jerry Mathews have gone west — fishing and shooting along the Darling River.

Ken Keegan will be back from Annual leave when this is in print.

Les O'Brien, Mechanic, has spent a week at the General Motors School in Sydney.

By the time this is published Anne Delderfield will be married. Best wishes to you and your husband Anne — from us all.

Barry Armitt will have also have taken a wife. Congratulations. Hope you enjoyed your honeymoon in Hawaii Barry.

Jimmy Kemp sailed to Fiji for three weeks. It was overheard that he was making sure he would have a box of matches with him! Could be going to do some "burning off."

MARULAN SAFETY

Marulan Plant has now reached 70 days without a lost time injury.

The Group standing this month is —

Group 1	675 days
Group 2	666 days
Group 3	1,544 days
Group 4	414 days
Group 5	441 days
Group 6	60 days
Group 7	1,153 days

Incidentally Group 7 comprises the Hydration Plant and Lime Kiln. They are doing remarkably well. Congratulations.

SEA MONKEYS — LATEST

It is with deep regret and a sense of scientific failure that we announce the passing of the last surviving sea monkey, who died on 15th November, joining his 537 brothers and sisters. We want to extend our thanks to Mr. R. Greaves for his encouragement and interest, but we're going to stick to knitting I think Russ.

Sea Monkey Foster Mothers.



BILL RUNGIE

Bill has spent time in the hot and dusty scrub country of Whyalla and the milder climate of Wollongong before joining us in the colder zones of Moss Vale. His experience has been in the Personnel field, although it has been mainly confined to dealing with industrial relations.

Bill has a keen interest in community organizations and was recently elected National Treasurer of Australian Jaycees. He has now joined the merry band of Moss Vale Jaycees. (We expect Bill to be buying a new car soon).

When asked whether he had any sporting interests, Bill said that he had a lot of interest — it was a pity that his ability was not as great as his interest.

He has already donned the whites of SPC — and he has taken an immediate liking to our umpires. At Squash — well, Wally Parsons has at last found someone he can beat! Keith Graham and Bill Poland say that they have seen Bill at the 19th hole of the Moss Vale Golf course but nowhere else as yet.

Bill feels that life is changing so rapidly today, and moving so fast, that communications between people — particularly people in industrial organizations—become blurred and misunderstood. Bill sees that one of the most important aspects of his job is to do his very best in keeping communication lines as clear as possible. He feels that when talking with people, all parties should be honest and frank, and most of all that there should be a mutual trust.

Left: Bill Rungie our new Personnel Officer.



WHAT IS ZD? — See page 25.

Below: The old No. 1 Kiln is still proving useful — here a tyre is being removed for use on No. 2 Kiln at a later date.



HOCKEY

At the recent Hockey Association Ball, SPC players collected two trophies for the past season. The team collected the trophy for being 3rd grade minor premiers and Harry Chapman was awarded the trophy for being 3rd grade best and fairest player for the season. This photo shows Harry Chapman holding in his left hand the minor premiers trophy and in his right hand his own best and fairest award.



CONGRATULATIONS!

Recent Suggestion awards:

G. Knapman	\$5.00
A. Elton	\$20.00
A. Suro	\$10.00

AN EXTRA LONG FORTNIGHT

In July, 1936 Jim Dray managed to get a job in the yard at S.P.C. He was told that it wouldn't last longer than two weeks. Now, after 37½ years, Jim's "fortnight" is just coming to an end. This "record" surely speaks for itself.

So it was that from the yard Jim went on to limestone unloading, then rigging for Joe Hutton's gang of painters.



Jim then went on to coal drying, followed by crane driving. A spell at shunting, then back to the crane. For the last three years he has worked in the store. During the war years Jim served in the army.

We all wish Jim a long and happy retirement.





CONCRETE SAVES A 900 YEARS OLD CATHEDRAL

After my return to the office here in Berrima, the strain of once again having to work for a living proved almost too much. It took a few days of struggle and an attempt at stern self-discipline.

Then the question arose; "What shall I write about concerning my recent trip to the U.K.?"

I was able to visit a cement works at Cauldon in Staffordshire. (I can almost hear you say — What a place to go on long service leave!) However, it was there that I found out about the restoration work on York Minister, the famous Cathedral in my home town of York. Various relations also referred to this remarkable restoration work and so another visit to this famous building was inevitable.

In 1966 it was discovered that the huge 200 foot 15th Century central tower had vertical cracks, some measuring up to 30 ft. long and 2 ft. wide! The weight of this tower is over 16,000 tons. The inspection also revealed that the east end of the cathedral was leaning outwards about 2½ ft. This wall is 130 ft. high and has a 15th Century, 75 ft. high, stained glass window.

An appeal was launched and soon two million pounds was guaranteed.

It was known that the excavations necessary would most likely be rich in archeological material, this being a site of great historical importance, for the Minister stands on the central part of a Roman legionary fortress, which had been the most important military centre in the north of Roman Britain.

The job of restoration and excavation was done by engineers, contractors and archaeologists working together. The engineers needed to know just how their predecessors had built below ground. Because of this there was need of expert photography, extremely careful measurement and sifting of evidence brought to light.

The job took five years. The east wall was saved by using huge steel shores positioned against the wall, bolted to the masonry at the top, and bearing on hydraulic jacks at the bottom, then, using concrete to double the width of the footings. The foundations of the west towers were also renewed and other danger spots made safe.

The big job was under the huge central tower. It was found that the four piers supporting the structure had settled from 6 to

12 inches, causing the vertical cracks. 30,000 tons of soil was excavated. 190,000 cubic ft. of concrete and 120 tons of high tensile steel were used. 200,000 gallons of cementitious grout was injected into fissures. 750 tons of steel were used for shoring and strutting. A large proportion of the cement used was Blue Circle.

Each of the new concrete bases averaged about 50 ft. in diameter but were irregular in shape because of space limitations. They surround the old foundations like huge collars, to which they are bound by stainless steel rods.

Now York Minister is safe and the visitor to the Undercroft, as it is now called, can take a journey through time from the 1st to the 20th century. Roman, Saxon and Norman remains, parts of the original walls, plasters and panels, medieval statues and carvings, and last, but not least, the engineering of the present century that has saved this treasure house of history.

Opposite — a view of York Minister taken from the old city walls on the left is the east end. The square tower is the central tower. In the background, far right are the western towers.

ANOTHER NEW ZEALAND TRIP

Mr. and Mrs. Tom Waide recently enjoyed a trip to New Zealand where they visited Rob, their son, who is known to many at SPC, as he worked here before going overseas. Rob and his wife Anne have two lovely children, Allan 5 and Liza 3. Rob has a good job in Auckland and has recently bought a new home at Ranul, a part of the beautiful Henderson Valley.

Tom and wife had a trip with Rob, first to Rotarua, where all enjoyed the warm mineral baths, a feature of this thermal area. Continuing along the coast they visited New Plymouth, then across to Calmerston North, and through Napier, Gisborne, Wawatane and Lauranga back to Auckland. It was green and fertile everywhere.

Tom tried his hand at deep sea fishing but had no luck.

Tom and his wife say they can heartily recommend a holiday over there to anyone.

We have many safe workers with excellent records. Here we see Bloomfield.





Here we see company employees who were present at the preliminary meeting to discuss plans for the formation of a Sports Club. The one lady present is Miss Cecilia Rowley, a recent starter in the Typing Pool.



COMPANY GESTURE GREATLY APPRECIATED

Following on the offer by S.P.C. Ltd., to allow employees the use of the old Hostel and cricket oval, a preliminary meeting was held in the Hostel to discuss plans for the formation of a Sports Club.

Here are a few pictures of those present at this first meeting.

It was generally agreed that the social side should be emphasized, and that family participation in outdoor sports, indoor games, and outings should be encouraged.

As the result of this response a meeting was held on the following Tuesday, the 20th November.

At this meeting, the following were elected to office.

Patron — Mr. Rex Williams.

Executives

President — Mr. Don Moore (Machine Shop)

Senior Vice President — Mr. Bill Strong (Yard)

Secretary — Mr. Bill Hutchings (Machine Shop)

Treasurer — Mr. Eddie Johns (T.S.C.)

Publicity Officer—Mr. Dave Perry (T.S.C.)

Recording Secretary Mr. Jim Wyeth (Gen. Office)

Committee

Mr. Rick Knapman (Machine Shop)

Mr. Ian Beaton (Machine Shop)

Mr. Mick Barcicki (Machine Shop)

Mr. Joe Bizjack (Machine Shop)

Mr. Bill Gilroy (Machine Shop)

Mr. Kev. Whalen (Stockhouse)

Fees

Joining Fee \$3.00

Annual Subscription \$2.00

Total \$5.00

All Employees wishing to join the Club or to seek further information are advised to consult any of the above executive or committee members.

The name of the Club has yet to be confirmed.

Publicity Officer.



TADEUZ LORKOWSKI RETIRES

Ted, as he was known to his mates, retired on the 26th October, 1973 after 21 years service with Southern Portland Cement. During that time Ted worked as a construction labourer, and later as a rigger.

In the picture he is seen receiving a Transistor Radio from his mates. Ted also received an Electric Shaver, a pipe and tobacco, and a certain amount of cash from his mates. Tom Aitken is making the presentation.

Ted was also a member of the Retirement Fund, this means that he also received a substantial retirement cheque from the Company.





MELBOURNE CUP SWEEP

This year the Electrical Department decided that they would make their sweep different and worthwhile. Accordingly they decided on a 12" portable T.V., for first prize.

Two hundred tickets at one dollar each were sold and the sweep was drawn by Bill Gale, General Superintendant Cement Plant, in the works lunch-room at 9.30 a.m. on Cup Day.

The 24 "horse winners" came from all parts of the works, Electrical Shop, Works Office, General Office, Laboratory, No. 5 Kiln, Machine Shop, Yard, Store, Stock-house, Foreman's Office and the Painters, a good cross-section. The only section to miss out was the Power House.

FINAL WINNERS:

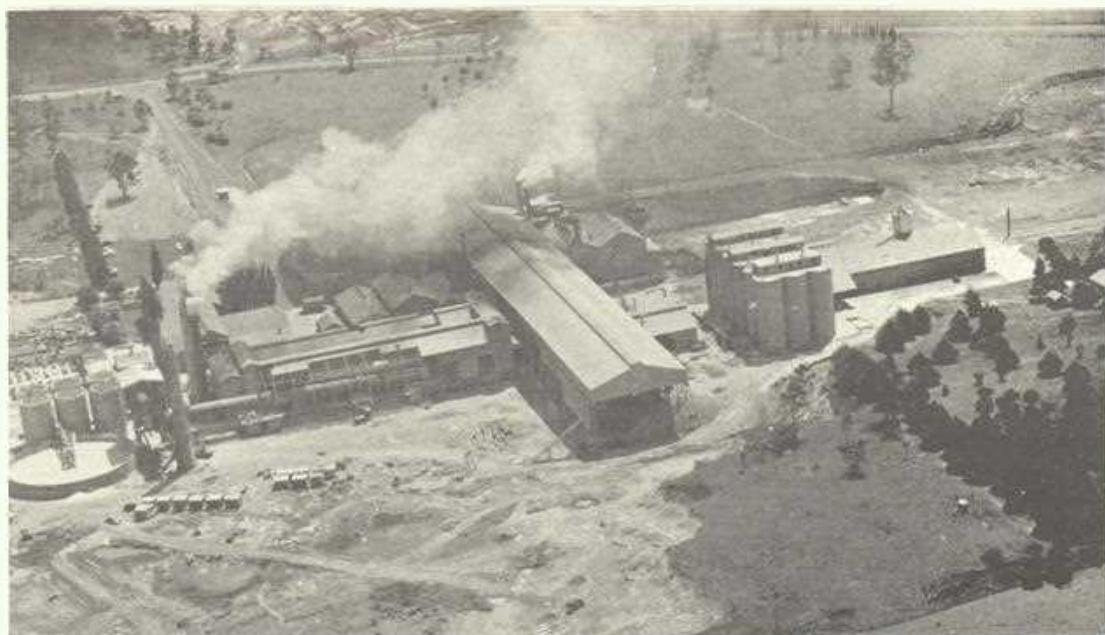
- 1st — A. DONALDSON & C. READY,
Machine Shop, 12" National T.V.
- 2nd — L. HEYHORN, \$25 Store.
- 3rd — R. SPENCE \$10, also from the
Store.

After the horses were drawn a further six draws for \$1 each were made.

WINNERS:

- T. Vermeulan, Power House.
- F. Richardson — Machine Shop.
- Mrs. R. Strobe.
- N. Steffenson — Electrical Shop.
- K. Knox — Electrical Shop.
- W. Strong — Plant.





A LOOK INTO THE PAST

By Terry Saker

While this photo is not as old as those shown in our previous issues, it shows that quite a few changes have occurred at Berrima since it was taken.

It is an aerial photo taken at the time of the construction of No. 4 Kiln in 1957. At this time, of course No. 5 Kiln had not been started. It now occupies the area in the foreground of the photo, which was then used as a clay pit.

No. 2 Mixing Basin and the brick storage shed were not started, neither were the works office or the precipitators on the boilers. The two small stacks on top of the Boiler House can be seen in operation.

No. 4 Cement Mill was under construction at this time, and the partly completed building can be seen just past the clinker gantry.

Nos. 1 and 3 kilns can be seen to be operating and it is quite apparent from the dust rising from them that no precipitators were fitted at this time.

The old laboratory was of course, still in use, as the Technical Services Centre had not been built. It is interesting to note the small number of cars in the park compared to the present day, showing how much the motor car has taken over in recent years.

The two clinker cranes were in operation when this photo was taken, and the

access ladder for the second crane can be seen at the southern end of the gantry. The gantry has been extended since then by 3 bays and the access ladder has been replaced by the tower on the end of the clinker reclaim tunnel.

WELL SAID

Before flaring up at the faults of others, pause and count ten — of your own.

A Co-ordinator is one who brings organized chaos out of regimented confusion.

Anybody who is calm, these days, probably isn't well.

The most tiring thing in the world is idleness — because you can't stop and rest.

More people would recognise opportunity, if it looked less like hard work.

Many people who wouldn't dream of speaking with their mouths full, insist on talking with their heads empty.

A philosopher is one who realises that his creditors are even more worried than he is.

JUNIORS

A WHITE CHRISTMAS FIFTY YEARS AGO

I remember how I used to look forward to Christmas when I was a boy in England. If you have always lived in Australia, Christmas to you has always meant summer holidays and sunshine. In the northern hemisphere, that is, north of the equator, it is quite different. Christmas comes in the middle of winter.

We always hoped that it would snow before Christmas. Maybe we thought Santa would be more at home with a carpet of white. It makes a beautiful picture when all the roofs are covered with inches of snow and icicles hanging down, and the branches of all the trees heavy with the weight of snow, almost touching the ground, and shrubs and hedges just look like a lot of white humps, some large, some small.

To us Christmas meant coming out of the cold white night, and sitting before a roaring fire of yule logs.

At school, just before we broke up for the Christmas holidays, if the frost and snow had arrived, we would make "slides" on the smooth frozen surface of the schoolyard. As more and more of us went on the slide, it would get more and more slippery, and longer and longer. There would be a long line of boys waiting to go on the slide, you had your turn and then ran back to the end of the queue for another one. Occasionally someone would fall, but usually they didn't hurt themselves, and the funny way they went slipping and sliding and ending up in the snow was great fun.

Then we would make snowmen, and snowballs and end up having snowfights. In spite of the cold, after awhile everyone was glowing and warm.

Christmas wasn't complete without the carol singing. The streets always seemed very quiet when snow was on the ground and the carols could be heard clearly through the cold, crisp air. As we tramped from place to place through the snow the glow of the Christmas lights and decorations, and the warmth of the open fires when a door was opened, seemed to say, welcome, Happy Christmas.



Mrs. Nancye King of the General Office displays the huge Christmas stocking that is the prize once again in the Picnic Fund Draw.

KOOKABURRA KORNER

He brushed his teeth twice a day, with a nationally advertised toothpaste. His doctor overhauled him twice a year. He stuck to a diet with plenty of fresh vegetables. He golfed, but never more than eighteen holes. He never smoked, drank, or lost his temper; and he had at least eight hours sleep every night.

The funeral will be held on Wednesday. He is survived by eighteen specialists, four health institutes, six gymnasiums, and numerous manufacturers of health foods and antiseptics.

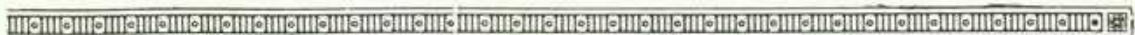
He forgot about trains at level crossings.



In November, pupils of the Moss Vale Primary School 6th Class, visited the Berrima plant. They were in charge of teachers Mrs. G. Chapman and Mrs. M. Watkins.

Leanne Hulbert, one of the pupils, whose father used to work at SPC, thanked the Company and the guide for a very interesting tour.

Mr. Fred Lynam, who again provided the transport, is with the lower group.



Left — An example of the Christmas Spirit in giving and working for the less fortunate.



The Smith Family played a trump card when they sent the above collectors round the plant this year. They collected over \$118.00!

Mandy on the left, conducted our fair visitors around the offices and down the plant.

The collectors are Marie Ingram, Andra Van Nuffel and Mrs. Carmelita Steinke, who was in charge.

Below we see them at work.



ROAD INFORMATION

OPENING OF SOUTH WESTERN FREEWAY

First class travelling conditions are available between Cross Roads, Liverpool and Raby Road now that the new 6½ mile section of the South Western Freeway is open. Southbound traffic may join the freeway from Campbelltown Road south of Cross Roads and rejoin Campbelltown Road just north of Campbelltown and leave the freeway at the Hume Highway immediately south of Cross Roads. On the existing freeway a median strip of 70 feet in width separates the carriageways which are each of two lanes with provision for further widening.

Costing around \$13.1 million, the construction of the newly-opened 6½ mile section involved the building of nine bridges including twin bridges over Aero Road and Bundury Curran Creek.

Extensive landscaping work has been carried out by the Department of Main Roads. More than 2,760 trees have already been planted and further planting will be undertaken. Extensive hydromulching on medians and road reserves has also been carried out so that the scars of construction have been effectively eliminated.

It is proposed to eventually construct a further 3½ miles of freeway to the Campbelltown-Camden road, making a total of 9½ miles in all.

The completion of the freeway to the Campbelltown-Camden road, scheduled for 1974, will not only provide an additional route south from the Cross Roads for motorists travelling south of the Campbelltown-Camden area.

The Campbelltown-Camden road is to be widened and will connect with the deviation of the Hume Highway near Narellan. This will lead to the new Macarthur Bridge over the Nepean River at Camden and will provide greatly improved conditions for the motorists to Mittagong and other locations to the south.

OPENING OF SOUTHBOUND LANE ON NEW HAWKESBURY BRIDGE

The south bound lane of the bridge to carry Calga-Berowra Tollway traffic over the Hawkesbury River opened Friday, October 26th.

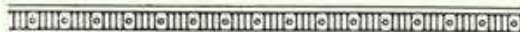
The bridge which links the sections of the Tollway north and south of the Hawkesbury River opened Friday, October 26th.

The bridge which links the sections of the Tollway north and south of the Hawkesbury River, will give motorists an uninterrupted drive of 16 miles from Calga to Berowra where a single toll of 50 cents will be paid as is presently the case with northbound traffic. The position now is that there is one bridge on the Tollway and another on the State Highway.

There is no access to or from the Tollway for either Brooklyn or Mooney Mooney.

A start will soon be made on the construction of a further section of the Sydney-Newcastle Tollway from Oouimbah to Doyalson, a distance of about 13 miles. Work is expected to commence on this section during the current financial year.

N.R.M.A. Touring Service.



A British and a Russian sentry were found lying together, severely injured, by the frontier, in Berlin. At the inquiry which followed, the Briton said how carefully his Commanding Officer had impressed upon him the need for avoiding "incidents" during his patrol.

"When I first passed the Russian," he said, "I heard him say 'Down with your Country?'" and I restrained myself from striking him.

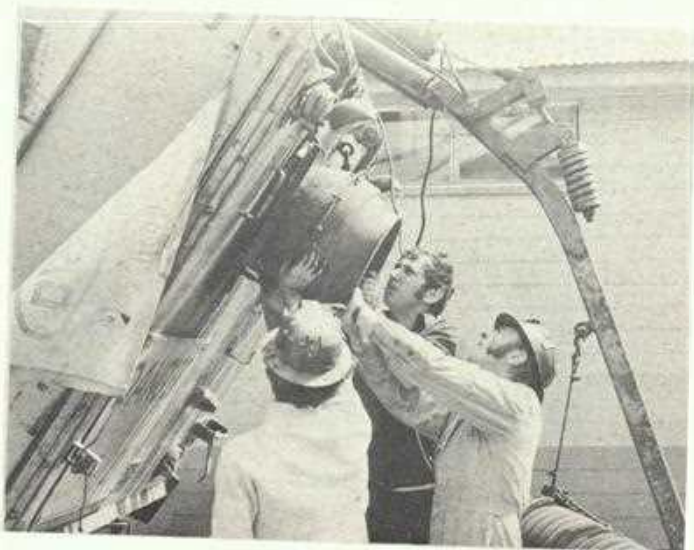
"The second time I passed, he said 'Down with your Commonwealth! and just in time I remembered the C.O.'s words and refrained from hitting him with my rifle.'"

"The third time I passed him, the Russian said, 'Down with your government!' and while we were shaking hands, a lorry came along and knocked both of us down."

Recently an outside vacuum unit from A.I.S. visited Berrima plant. On the left and at the foot of the page we see it being prepared for the job.



Above right — Peter Tupanceski, Vac-All operator, Bill Fensom, Foreman, and Drago Savreski, Attendant.





The Vac-All on the job.

Recently Joe Yardi showed this group of visitors over Berrima Plant. On the far right of the picture is Mr. J. C. Horth, Sales Manager Electrostatic Precipitators, Western Division of Joy Manufacturing Co. Ltd. N.S.W. In the group are, representing Joy, Mr. J. Read, Manager, W.P. Div.; Taylors Ltd. N.Z. represented by Mr. A. Taylor, Auckland Manager; and Mr. J. Trott, Christchurch, Air Pollution Eng. Manilla Machinery; Mr. U. Trinidad, Manager, and Mr. J. Anselmo, Pollution Eng. Singapore; Mr. R. Ho, Manilla Air Pollution Co. of the Phillipines, Mr. E. Ruivivar.





Recently Mrs. June Casta left the employ of SPC. She had served with the Company on two occasions punctuated by a trip to Europe. Her friends in the General Office said farewell on 2nd November. She is seen here admiring her present.

FISHY TALES

For the fresh water fisherman, I continue with my information on the Snowy Mountains area.

A number of trout waters in the Snowy Mountains area are reserved for fly fishing. On these waters only artificial flies are permitted. A single hook only must be used, and the measurement between the point of the hook and the shank must not exceed 13 mm. The fly must not be weighted and must not be cast directly from the reel — which means that on such waters the use of a fly in conjunction with a bubble float and a threadline reel is prohibited.

Streams reserved for fly fishing include:

1. The Eucumbene river and its tributaries, from its junction with the backed up waters of the lake, upstream to the face of the Three Mile Dam; together with all the remaining tributaries of Lake Eucumbene from their junction with the lake, upstream to their sources.

2. The waters of the Tantangara—Eucumbene Tunnel, from where they emerge from the tunnel mouth at Providence Portal, down to their junction with Lake Eucumbene.

3. The Nowamba River and its tributaries, from its junction with the Snowy River, upwards to their Sources.

4. Swampy Plain River, together with the Geehi River and its other tributaries.

Note that the following are now no longer restricted to fly fishing only:-

1. Geehi Creek, Khancoban and Geehi Dams.

2. Swampy Plain River between Geehi Creek and Geehi airstrip, also between its junction with Bogong Creek and Black Creek, and again from Khancoban Dam down to the South boundary of Khancoban Station.

Now to get a little closer to home, and the home front. Nev. Gilby and Tony Suro boating off Omega Beach bagged 5 mowies to 7½ pounds, a dozen flathead and some nanagai.

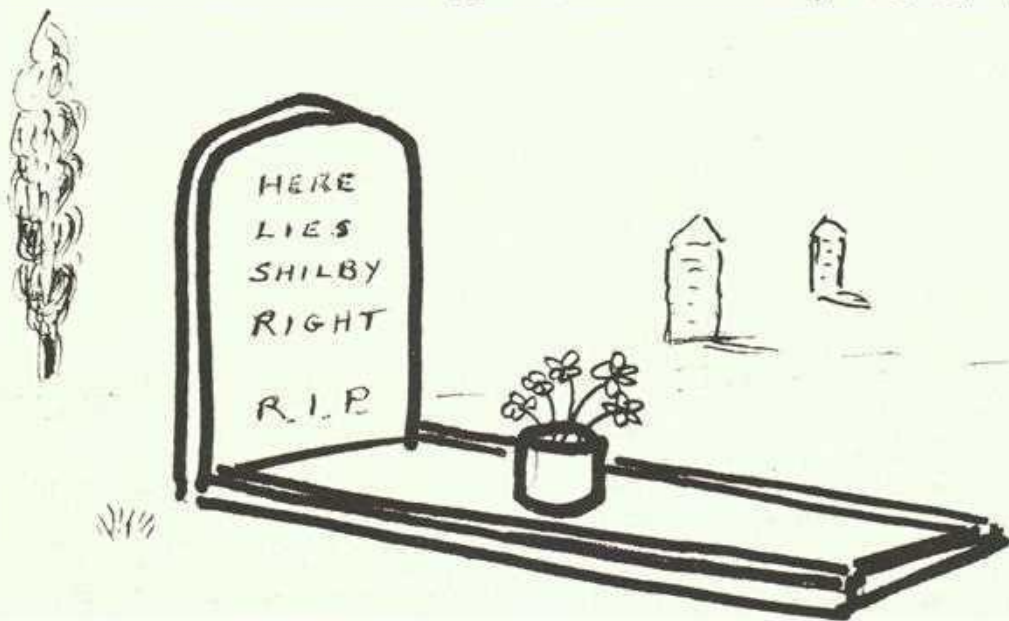


ZERO DEFECTS

By now you have seen this sign in our yard at SPC Berrima. But have you stopped to think what it means?

Have you, for instance, stopped to think that this concerns YOU, the individual? Z.D. or ZERO DEFECTS, means DO IT RIGHT FIRST TIME!

MAKE IT SPC's POLICY —
BURY SHILBY RIGHT —



— AND KEEP HIM THERE

VISION SKILLS YOU NEED FOR DRIVING

Studies by a Committee of the Australian Optometric Association and other authorities show that the following are the vision skills which vitally affect safe driving:

1. **DISTANCE ACUITY:** Your ability to focus and see clearly with each eye separately and both eyes together, particularly at a distance of many feet or yards. Probably the most important vision skill for driving, it is essential for seeing danger, reading road signs in time and for general adaption to driving conditions.

2. **DEPTH PERCEPTION:** ability to correctly judge distances between yourself and other objects, especially when both are in motion. This is essential for passing other cars in the face of oncoming traffic and for manoeuvring from one lane to another among moving vehicles on streets and highways. Deficiency in this skill is one of the most common defects found among drivers.

3. **FIELD OF VISION:** ability to see over a large area without moving your eyes or your head, sometimes called "looking out of the corners of your eyes." This, of course, is needed to detect crossroad traffic, pedestrians at the roadside or intersections, to check traffic at your rear through mirrors and to get the general driving picture.

4. **MUSCLE BALANCE:** ability to point your eyes simultaneously with ease at a given object. This is essential for good two-eyed vision, acuity, depth perception and field of vision.

5. **NIGHT VISION SKILLS:** the ability to see under low illumination beyond the range of your own headlights, ability to see against glare of oncoming headlights, and the ability to recover quickly from glare afterwards.

Night vision depreciates rapidly after 40 years of age. Inadequate night vision largely accounts for the greater number of accidents which happen at night than during the day-time.

CALCULATING POSTAL RATES:

Useful tip

Since the metric postal rates were announced, the Metric Conversion Board has received numerous enquiries about converting the inexpensive dial indicator type of spring balance used in many offices to weigh letters for the purpose of assessing postage rates.

It would be uneconomic to convert most of these scales and, in any case, it would be impractical for stockists to carry the wide range of dials that would be necessary to cater for the many varieties of scales that currently exist.

By far the best approach is to buy a new instrument, but a temporary makeshift can be adapted by utilising 2c coins.

2 x 2c coins have a mass of just over 10 g
4 x 2c coins have a mass of just over 20 g
10 x 2c coins have a mass of just over 50 g

Employing this method, imperial scales can be marked at the postal increment points. Accuracy is within 4 per cent — i.e., better than the accuracy of reading the average scales within the normal letter range.

The Metric Conversion Board emphasises that this is a useful tip only, and this makeshift should never be used to determine the mass of items sold by way of trade.



Mr. J. Schott, Manager Quality Control, discusses an interesting point in the Laboratory with Mr. T. K. Duncan and Mr. W. Howard Smith

BHP ANNOUNCES NEW BUILDING VENTURE

On November 30, our parent company, BHP, announced that it had formed a joint venture to develop a new building invention, and SPC's General Manager, Mr. Rex Williams, will be one of the three BHP Directors of the six-man board of the joint Company.

The new invention relates to a building system based on factory manufacture of concrete modules, completed right down to carpeting and furnishing. When transported from factory to the building site, these modules become the internal rooms of a house. Whilst this part of the system is not new (a comparable system has been used in the United States with four inch thick walls) the breakthrough in this system is in the way the modules are manufactured. This method allows for walls, floor and ceiling of less than one inch thickness!

The system is expected to provide savings of some 20% or so on conventional home building costs, and significantly more when developed into medium and high rise applications.

Credit for invention of the system goes to Mr. Phillip Boot, Director of H. H. Boot and Sons Pty. Ltd., which company is joined up with BHP in developing the system.

Mr. Phillip Boot, together with his brothers, David and John, and a team of specialists have been working on the system for some two years, in the course of which they have built a pilot factory in Hornsby, a northern Sydney suburb. The Hornsby plant has been solely devoted to marketing test modules and also for other research work, which has been carried out over the last two years.

This modular housing concept is expected to provide a major fillip to cement demand, since it provides for cement to be used in areas where it is not currently in use.

SPC has assisted this project over the last twelve months, with technical advice and the supply of cement.

We hope to publish more information and pictures relating to this exciting development in our January Newsletter.

GARDENING NOTES FOR NOVEMBER

- FLOWERS:** SOW: Amaranthus, Antirrhinum, Aster, Bedding Begonia, Coreopsis, Celosia, Dahlia, Carnation, Dianthus, Eschscholtzia, Gaillardia, Helianthus, Ipomoea, Gomphrena, African Marigold, Nasturtium, Phlox, Petunia, Portulaca, Rudbeckia, Salpiglossis, Salvia, Scabiosa, Sweet Pea, Zinnia.
PLANT: Antirrhinum, Carnation, Dianthus, Dahlia, Lobelia, Marigold, Phlox, Petunia, Salvia, Zinnia.
- VEGETABLES:** SOW: Beet, Beans, Carrot, Cress, Lettuce, Onion, Peas, Parsnip, Parsley, Radish, Swede Turnip, Sweet Corn, White Turnip, Cabbage, Celery, Egg Plant, Capsicum, Leek, Tomato, Cucumber, Melon, Pumpkin, Squash, Marrow, Okra.
PLANT: Lettuce, Potato, Tomato, Herbs.

Early October rains and warmer weather again brought very rapid growth and the district is looking beautifully green and fresh again.

There are many shrubs in flower now. Some of the most spectacular of these are Rhododendrons, Mollis Azaleas, Viburnums, Deutzias, Brooms, Chinese Beauty Bush, Lilacs and late Crab Apples.

Rose Bushes and Climbing Roses are now flowering. Watch out for aphids and spray whenever they are seen on the young growths. A good rule with flowering trees and shrubs is to prune *after* flowering, remembering that *some*, including Cherries and Crab Apples, should only be pruned if they have crossing branches or are really outgrowing their allotted space.

Dahlias and Chrysanthemums can still be planted this month and seedlings of both of these usually give very satisfactory results. Early planted Tomatoes are flowering now and side shoots should be removed until the first bunches of tomatoes have set.

Strawberries should be given a side dressing of mixed fertilizer, one ounce to the yard of row, this month.

Give fruit trees a good, soaking watering, when necessary. Remember to spray Apple and Pear trees with "Bug-Geta" every three weeks after petal-fall, to control Codling Moth. Watch for caterpillars on the Golden Cypress and Spray with "Bug-Geta" for control.

Bait for slugs and snails. These are very active at present.

OBITUARY

Fred Golowenko served with S.P.C. at Marulan for over ten years. He retired just one year ago, on the 27th October, 1972. Fred, unfortunately, did not enjoy a long retirement. He died suddenly of a heart attack on the 28th October, 1973, just one year after his retirement.

All at S.P.C. extend their deepest Sympathy to his widow and granddaughter.

A suggestion by F. Mitchell that was accepted and earned fifteen dollars. Back and side plates at the top of coal bin.

GARDENING NOTES FOR DECEMBER

FLOWERS:

SOW: Ageratum, Alyssum, Amaranthus, Antirrhinum, Aquilegia, Aster, Balsam, Carnation, Celosia, Cosmos, Delphinium, Marigold, Mignonette, Nasturtium, Pansy, Portulaca, Primula, Saponaria, Statice, Stock, Sweet Pea, Verbena, Viola, Viscaria, Wallflower, Zinnia.

PLANT: Ageratum, Amaranthus, Antirrhinum, Aster, Carnation, Dahlia (Bedding), Dianthus, Marigold, Petunia, Portulaca, Salvia, Verbena, Zinnia.

Fairly good rain during the early days of November saved the continuous watering to some extent, but as hot days and drying winds followed, a continuous watch is necessary to see that newly planted trees, shrubs and annuals get sufficient water.

The rainfall for our district is again well below average and good soaking rain is needed to replenish water supplies in outlying areas. Get busy now and mulch all the garden beds, as well as trees and shrubs. This will help to conserve moisture during the hot months and make the *evening watering chores easier*. Give all new, as well as established trees and shrubs, a good soaking at least once a week. Plant Gladiolus corms now, to give good Autumn flowers.

See that Dahlia and Chrysanthemum plants are securely tied to stakes. Lightly prune any Spring-flowering herbaceous plants. This often encourages a second blooming.

Caterpillars are busy on the Cypress hedges just now and "cherry slug" on pears, plums and *some* cherries. Spray these with "Bug-Geta".

Spray fruit trees with "Rogor 40" to control fruit fly. Slugs and snails are exceptionally bad this year, so don't forget to put some bait out each night to catch as many of these as possible. Trim back the jonquil and daffodil foliage as soon as it is all yellow, to tidy up garden beds.

A Joyful and Peaceful Christmas to all !!!



Mr. Gordon Manning with his truck. Gordon has carried stores to Marulan from Berrima plant for the last three years.

PUZZLE PAGE

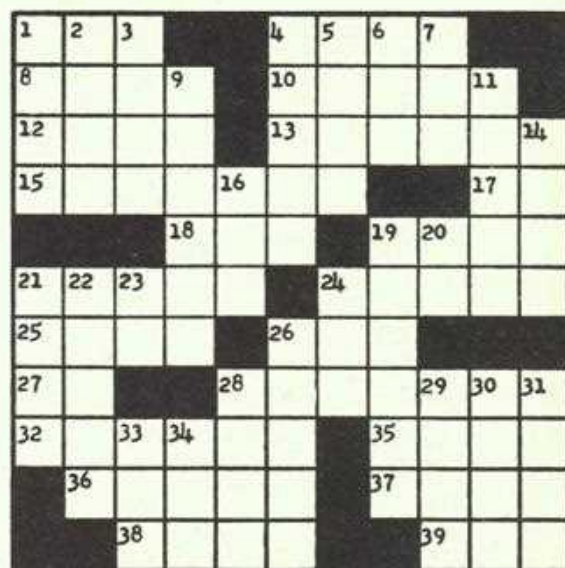
- 36 Test
37 Puppet
38 Companion
39 Playing

ACROSS

- 1 Rend
4 Yarn mop
8 Fragrance
10 Indian tent
12 Singing voice
13 High regard
15 Dinner course
17 Scale tone
18 Half a score
19 Follow
21 Desert animal
24 Celestial body
25 Above
26 Fancy knot
27 Compass point
28 Law maker
32 Journey
35 Prickly shrub

DOWN

- 1 Highway
2 Inactive
3 Cooking vessels
4 Severe
5 Actress Mae —
6 Likely
7 Honey maker
9 List
11 Uncanny
14 Dissolve
16 Snake-like fish
19 In the direction of
20 Exist
21 Price
22 Avoid
23 N.E. State (abbr.)
24 Study closely
26 Popular girl



- 28 Chair
29 Sound a horn
30 Capital of Norway
31 Trust
33 Provide weapons
34 By way of

CORRECT SOLUTION TO LAST MONTH'S CROSSWORD



WINNERS OF LAST MONTH'S CROSSWORD

- 1st Prize — \$5.00 Mrs. Eileen Cosgrove, Marulan.
2nd Prize — \$3.00 Bruce Clynes, Laboratory.
3rd Prize — \$2.00 Jim Wyeth, General Office.
4th Prize — \$1.00 Jim Dray.
5th Prize — \$1.00 Tom Sharkey, Marulan.
6th Prize — \$1.00 M. Roach, Berrima.
Consolation Prize — \$1.00 — Youngest Entrant, Christine Staubner, age 10 years.