

SOUTHERN PORTLAND CEMENT LTD.
MARULAN - BERRIMA - MEDWAY - SYDNEY

MONTHLY NEWSLETTER

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- REGULAR FEATURES:
FISHING NOTES
R. Greaves
GARDENING NOTES
Mrs. C. C. Crowe
HOMELOVERS CORNER
"Homelover"
Miss H. Ferrier
PHOTOGRAPHY:
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COPY DEADLINE—
1st of Month.

Editorial

If we are going to have a happy and prosperous New Year, a great deal will depend on ourselves.

The famous psychiatrist, Dr. Karl Menninger said, "Attitudes are more important than facts."

The "facts" that rear up against us as we journey into the coming year can be very discouraging. They "get at us" in many ways.

We may not have done as well as we expected in our examinations. The career that we had built up for ourselves in our minds, may seem to be receding, instead of getting nearer to fulfilment. Perhaps we begin to worry. What are we going to do in life? How can we retrieve what seems to have been lost?

What about our attitudes? If we determine that we will learn from our mistakes and try again, that it is not the end of the world for us, but a new beginning, with a better start, we will come through.

On the other hand, it may be that severe illness or death has claimed a loved one. Our attitude will again determine our future.

Whatever the outlook may be, the end result will depend on how we look at it.

Emerson declared a tremendous truth; "They conquer who believe they can." and he added, "Do the thing you fear and the death of fear is certain." Think defeat, and you are bound to feel defeated, have confidence that with God's help you can face the situation, and you will face it and overcome.

Remember the words of Dr. Menninger, "Attitudes are more important than facts."

Are you determined to face the future with confidence? It will help you to mold a worthwhile and successful experience in the coming year.

Heard on the Grapevine

BERRIMA

Fred Robjert and family toured the South Coast.

Charlie Bunt has returned from his annual leave.

Tommy Young has taken his leave in order to care for his children whilst his wife, Dorothy is in hospital with a new daughter, Roslyn Anne, born on Boxing Day.

The son of Mr. and Mrs. T. Penfold, Roger has for the past two years studied the art of Greenkeeping. Most of this was done by correspondence, whilst the "practical" was at the Moss Vale Bowling Club. Two weeks were spent in "Green Research" at West Ryde. Roger has now passed his final examinations and received his Greenkeeping Certificate. He will remain at the Moss Vale Club.

His father, Tom Penfold, is well known on the plant. He has served at S.P.C. in various capacities for almost 31 years. For the past 20 years he has worked as an operator on the Limestone and Clinker Cranes.

Hank Arts has returned to S.P.C. after his two years National Service. Hank completed his apprenticeship as a Fitter before going into the service. He was at Kapooka, near Wagga, then Bandianna in Victoria, for his training. He completed his service at Ingleburn. Welcome back to S.P.C., Hank.

Tom Waide's son, Terry, had the good fortune to spend two weeks in New Zealand during the Christmas Holidays. He flew over and stayed with his brother Robert, a former S.P.C. employee. Terry is to take up Carpentry on his return. Incidentally, Tony Waide, another son, is at present in Vietnam, and sends regards to friends.

Barry Whatman is taking six weeks long service leave. Unfortunately it will be a hard working holiday, as he is going up to his late father-in-law's property at Boorowa to help sort things out.

Graham Beveridge has returned from four weeks leave, and Bruce Clynes has started his

Col Pickering took his holidays over the Christmas period sunbaked a Erowal Bay. Came back sporting a beard too. What with the sun tan, and beard, no one knew him, thought he was a Colombo Plan student for a week.

Errol Chalker took a week off — just enough to wet his lips. Truth is, he lost his golf ball, and had to come back.

Two new starters at the lab. Julian Baumann and Terry Newey, have commenced as Trainee Chemists. We wish them every success in their chosen career.

Last but not least, those two hard-working gentlemen, Mr. George King and Mr. Harry Etheridge, have taken off for a well-earned rest.

MARULAN

On annual leave, or just returned, Tony Cosgrove, Tony Pickering, crane relief driver, Ron Craig, Apprentice Fitter, Chris Riley, Doug Phillips, End Loader driver. L. Elkins, Diesel Loco. D. Hadlow, Euclid Driver. D. Taylor, Jaw Crusher attendant. Col Glacken, Kiln Burner, and source of many interesting photographs published from time to time in the Newsletter.

Congratulations to Carol and Alan Johnston on the birth of a daughter on Christmas Eve, 24th December, 1970. Carol and Alan are both delighted with their Christmas Box. — Leone Marie. Carol served for a number of years as switch operator and typist, in the Marulan office.

A new starter at our switchboard at Marulan is Ann Delderfield. Ann is the eldest daughter of Mr. and Mrs. Delderfield. To Ann we extend a warm welcome to S.P.C.

—★—
Cec Cluny General Quarry Foreman, has been in hospital again, because of a heart condition. The last news from the Goulburn Base Hospital was that he was much improved, and going home again about the 15th January. All at the quarry and friends at S.P.C. wish him complete recovery, and a happy and healthy new year.

SYDNEY OFFICE

 We welcome Miss Gail Fielder, Miss Sandra Garcia, Miss Colleen Bennett, Mr. Keith Dennis and Mr. Tom Taylor.

Keith and Gail are working in our computer section, Sandra, Colleen and Tom in accounts.


—★—
We congratulate Tony Cachia, who passed his 1st stage Commerce course, and also Len Wilson who passed the 1st stage Managerial Certificate.

MARULAN BOWLS

Bowls have been confined to local matches and night bowls. On Sunday, December 20th Tom Sharky and Davy Hill won the Turkey Run.

A new year party was held on New Years Eve. Night bowls and barbecues are to continue as long as they can be endured.

—NEW APPRENTICES AND TRAINEES

 BERRIMA: Electrical Fitters, B. Dickson, P. Shanks, B. Jones; Fitting and Turning, O. Lucas, G. Gymer, G. Morris, J. Miller, A. Traynor; Carpentry, A. Elton; Painting, M. Williamson.

MARULAN: Fitting and Turning, L. Smart, J. Smart; Carpentry, R. Bell; Painting, K. McGuigan.

Trainees: Berrima, G. Dunn, Electrical, P. Sutton, Mechanical, T. Newey and J. Baumann who are Chemical Trainees have just received the good news of success in matriculation.

—★—
Barry Wright and family spent their holidays in Wollongong over the Christmas period.

DO IT YOURSELF OR ELSE

From the book, "So you want to be an Australian," by Cyril Pearl.

The greatest Australian invention since the stump-jump plough is the 40-hour week. This is a whimsy devised by the economists of the Trades Hall which makes it necessary for Australians to work 60 hours a week to earn enough in overtime to meet the costs of the 40-hours week which is really a 30-hour week, and if you want anything beyond the basic necessities for survival, you just Do-it-yourself.

The Do-it-yourself movement began as a mild protest against the banditry of ordinary Australian house painters who demand more money for splashing a pot of plastic paint on a hen-coop that Michael Angelo got for decorating the Sistine Chapel.

Today, Do-it-yourself embraces all the refinements that distinguish life in a suburban villa from life in a Cro-Magnon cave.

You can see thousands of happy do-it-yourselfers scampering gaily home every night, with armloads of T-girders, floor joints, wall plates, pneumatic drills, concrete mixers, and septic tanks.

But the movement is no longer restricted to painting, building and plumbing. There are now do-it-yourself dentists and even surgeons.

Suppose you are stricken with a rebellious appendix, all you require to tackle it, is a shaving mirror, one of those penknives with two blades, a corkscrew, and a device for removing pebbles from horses' hooves, A No. 9 longshank garfish hook, a No. 1 gut line, and a bottle of Australian whisky for a local anaesthetic. Then go for your life. If you miss the appendix, don't worry. You will almost certainly remove some part that might be just as troublesome later on.

If you want further information, send for these instructive Do-it-yourself booklets:

"Sewerage for the Citizen," "Roadmaking is Really Fun," "How to build and drive a Locomotive," "Be your own Undertaker (with simple self-measurement chart)."

FISHY TALES

(By RUS GREAVES)

Good hauls of prawns were expected at Lake Illawarra this season, but to date no great hauls have been reported. I dined with a friend at Port Kembla recently, who had laboriously waded after prawns in the lake the previous night, result, enough for my wife and self! He suggested that Lake Worlumboola, south of Nowra could be all right. I've never prawned there, but will give Brow Lake, near Narooma, a go at the end of the month.

Reports from the coast between Nowra and Port Macquarie suggest that good catches of whiting and flathead may be made. Col Ready fished a good bag at the entrance to Lake Illawarra.

Graham Beveridge, just back from holidays, tried out his new rod and reel. He is talking more of "bunches of grapes" than fish! I would guess he is not using an egg beater! Erroll Chalker boasts one darty off Bass Point. Yes, I remember Bass Point! All my lead is out there!

Jack Brown had three tries, but was discouraged by rough seas and winds each time.

Reading a book by Art Linkletter, recently, I was astonished to read of a fish that carries the eggs in his mouth until they are hatched! He can't eat while they are hatching, so must have to store up a good supply of food for this period. Even when the fish hatch, any approaching danger will send the little ones scurrying back into their father's mouth. (I don't suppose HE can win, even if he does keep his mouth shut).

A few drownings off the rocks have occurred lately! Don't forget rock hoppers, never turn your back on the waves and always have a good piece of country to retreat to should the occasion occur, AND regard ALL rock fishing as dangerous. THINK SAFETY FIRST HERE, AS ON THE PLANT, ALL THE TIME.

Nature Notes

(By CHRIS SONTER)

Birds that nest in the Berrima district

MAGPIE-LARK

Nest: A deep bowl-like structure composed of mud, grass (for reinforcing) and fur. It is usually placed on the horizontal limb of a tree. If the tree is by the water, then the nest is usually built over the water. Lined with fine grasses, fur and feathers, it is found at varying heights.

Eggs: Three to six, beautifully marked with spots and blotches, becoming more abundant on the larger end. I don't think a set colour pattern is needed, as the eggs vary with the colour of the earth that the birds inhabit. No firm foundation for the egg colouration has been formed as yet.

General: A very bright and alert bird, seemingly to be always on the move. It inhabits chiefly, areas that are close to water. The call is well known and it is from this call that the bird gets its common name of "Pe Wee." It is common throughout our district, and frequents closely settled areas.

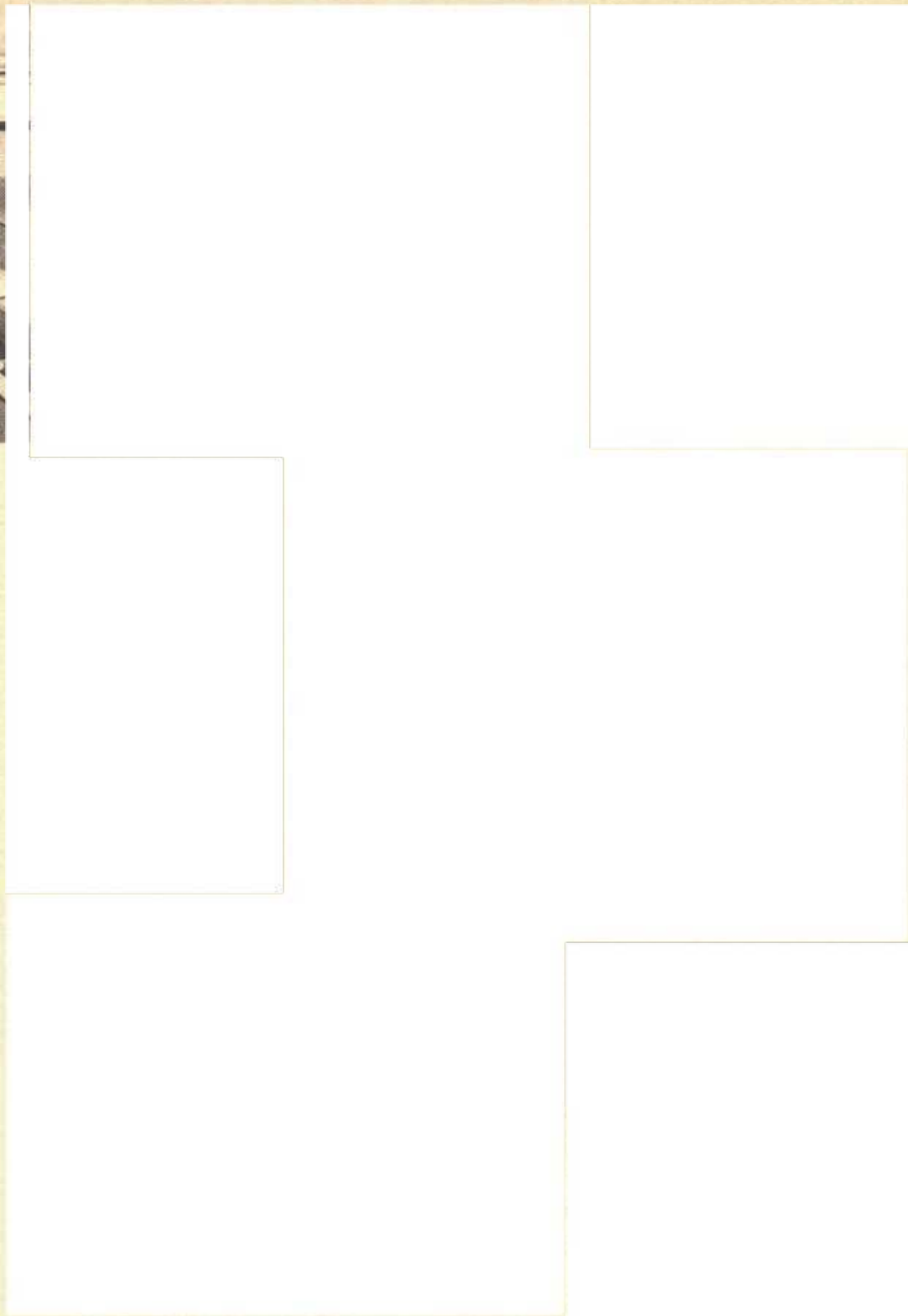
WILLY WAGTAIL

Nest: The nest of this bird is a truly beautiful structure. It is very small and cup-shaped, composed mainly of strips of bark and grasses, bound together with the silk of spiders webs. Lined with softer materials it is placed on a horizontal branch of up to 25 feet, also over water if possible.

Eggs: Three to four, being of creamy to brown, with darker markings forming a circle or zone on the larger end.

General: This bird is perhaps one of our best known local birds. One of its names is the Black and White Fantail. It usually keeps more to the open areas, and never far from water. The bird can be seen perching on cattle, horses and sheep, snapping up insects that have been flushed from the grass. Quite often this bird will nest in close company with the magpie-lark, mostly in the same tree. The Willy Wagtail is very pugnacious, attacking any other birds in its territory during nesting.

Footnote: Information that has come to bird listing of almost 200 species of birds for me reveals that Morton National Park has a their area.





DAUGHTERS OF S.P.C. EMPLOYEES FEATURED IN HOSPITAL GRADUATION

On the 16th Decemebr, 1970, the Graduation Ceremony was held at the Bowral and District Hospital. Susan, the daughter of Keith Graham, Mechanical Maintenance Foreman, received her Registered Nurse Aide certificate. Susan is in the 8th month of her first year of training. Congratulations!

In the accompanying photograph she is seen with Mr. and Brs. Graham.

Barbara Brooks, student nurse and daughter of Bill and Grace Brooks, mentioned

as a prizewinner in last month's Newsletter is pictured receiving her prize, and also with her parents.

The new daughter-in-law of the editor, Miss Deidre Ramage at the time of the graduation, is shown with the Matron, Miss N. U. Reynolds. Deidre was top in her class in Nurse Aide finals and also received a prize. Her father Tom Ramage worked at the S.P.C. plant and colliery as a fitter for many years. He is pictured here with his wife and daughter.





SNOWY TOUR

Mr. S. Radnidge brought back a pictorial record of the Apprentice Prizewinners' excursion in December. We publish some of the photographs.

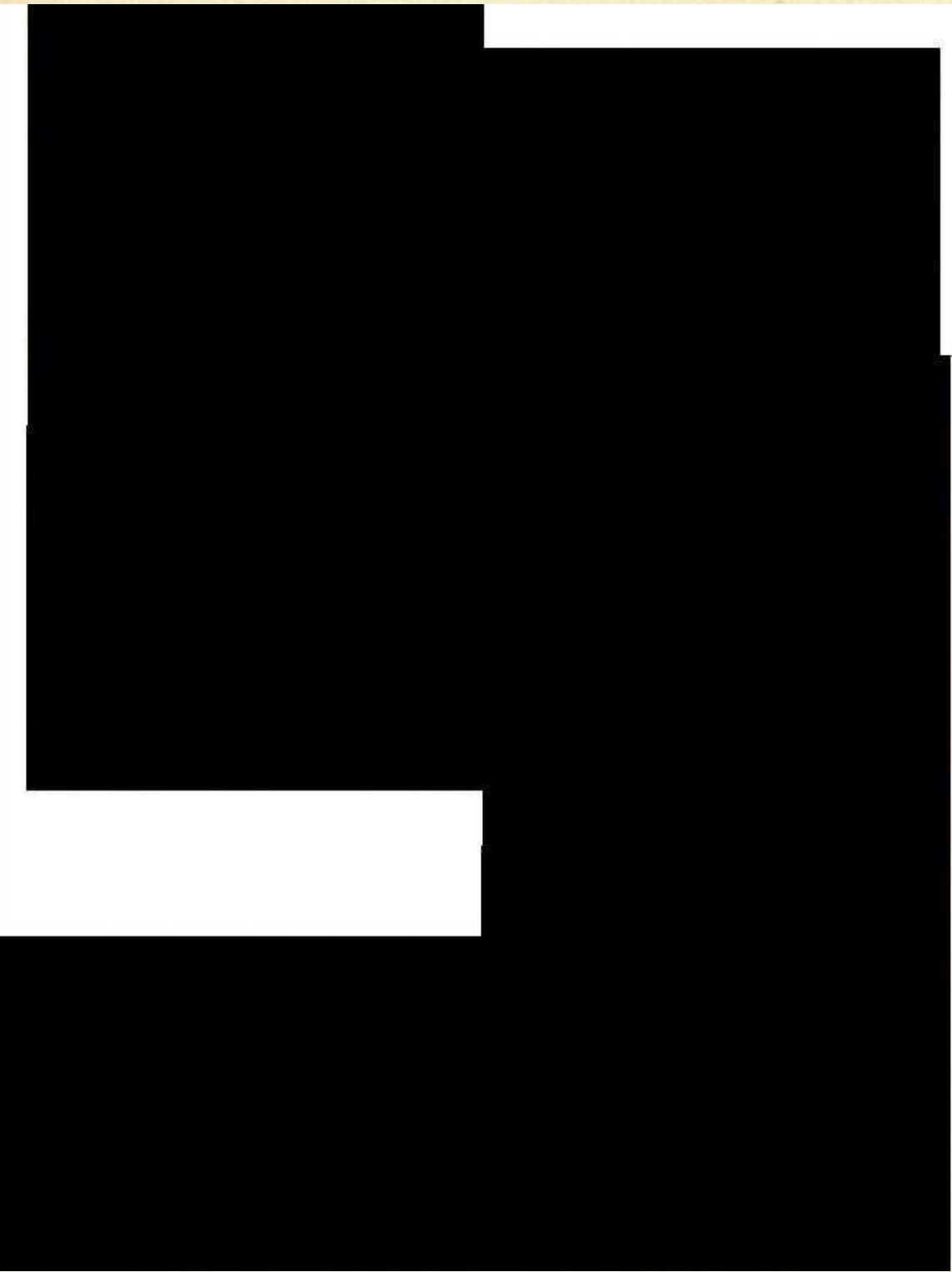
Nine-hundred miles were covered during the tour. Places visited included Jindabyne, Kancoban, Cabramurra, Tumut, Threadbo, which included a trip on the chair lift to the snow, and Kiandra, which is almost a ghost town. The trip also took them over the border into Victoria.

The trip was covered in George Ould's tourist bus.

The apprentices in charge of Mr. Radnidge were:

R. Goward, R. McGinnes, G. Knapman, G. Truczinski from Berrima, and E. Rumsey and G. Bryant from Marulan.







ANOTHER SAFETY RECORD

The operation of delivery of furnace oil to the Marulan Lime Kiln, extending over a period of 2½ years, has a 100% Safety Record.

Bill McCallum of Marulan Quarry is naturally very proud of this achievement. His truck is seen in the photograph by Col Glacken. This was taken at 11.30 a.m. on the 26th October, 1970. It marked the completion of the delivery of seven million gallons of furnace oil. A total of 28,272 tons.

As Bill says, it is an extremely dangerous job. Apart from the usual traffic hazards, the heavy loads, fog, rain, and the negotiation of Macquarrie Pass 1414 times both ways, where for some time major road works have been in progress. During this period a distance of over 250,000 miles has been travelled.

What contributed to this safety record?

1. The correct vehicle for the job, fitted with all modern safety devices. e.g., instant stopping when air brake lines fail, or break away from their fittings.
2. Vehicles washed and cleaned regularly. In this way, any breakage, crack in chassis, broken bolts, etc., can be found and repaired.

3. Heater-demister in driver's cab. A clear clean windscreen is a safe windscreen and the driver is kept warm and comfortable.

4. Not the least, good, courteous drivers, not taking advantage of the size of the tanker.

Although very few of us drive large vehicles, I feel that we can all gain some ideas that will help in the care and use of our own transport and so contribute to the establishment of our own private safety record.



HOMELOVER,S CORNER

CHEESE CAKE

First prepare a short crust pastry shell.

FILLING: In double saucepan combine—8oz creamed cottage cheese; $\frac{1}{2}$ cup sugar; 3 beaten yolks; $\frac{1}{4}$ cup (2oz) milk; Pinch salt; Cook 10 minutes. Later blend in tablespoon gelatine; $\frac{1}{4}$ cup (2oz) cold water; $\frac{1}{4}$ cup (2oz) lemon juice. **COOL MIXTURE.**

Beat 3 whites, gradually adding $\frac{1}{4}$ cup castor sugar, till soft peak forms. Fold into cheese mixture then pour carefully over crumb crust. Refrigerate and serve with whipped cream.

RUSSIAN TOFFEE

1lb brown (soft) sugar; 1 large tin full-cream condensed milk; 4oz butter; 1 tspn vanilla essence.

Put all ingredients into a saucepan and stir until the sugar has dissolved. Boil steadily until the mixture reaches 240 deg. F. or makes a really firm ball when tested in cold water. Pour into a buttered tin, mark into squares as it begins to set. Cut into pieces when quite firm and wrap in waxed paper.

RUM TRUFFLES

6oz plain chocolate; 2 egg yolks; 1oz butter; 1 desptn thick cream; 1 desptn rum; 6 to 8oz icing sugar; Chocolate vermicelli or chocolate powder.

Melt the chocolate in a basin over hot water without allowing it to get too hot. Add the egg yolks, butter, cream and rum, then beat in icing sugar until the mixture just holds together.

Form into small balls with two teaspoons, then roll them in chocolate vermicelli drinking chocolate powder. Allow to set and place them in small sweet cases.

BLACKCURRANT PUNCH

2 small tins of blackcurrant puree; The pared rinds and juice of 2 lemons; 1 bottle of claret; 2 glasses of medium sweet sherry; 2 pints hot water; slices of lemon; castor sugar to taste.

The puree, lemon rinds and juice and the wines are slowly heated together; the sugar being added to taste. Next pour in the water, remove rind, and serve with slices of lemon.

SPICED FRUIT PUNCH

1 tumbler of tawny port; $\frac{1}{2}$ tumbler of orange juice or orange squash; $\frac{1}{2}$ tumbler of dry white wine; 1 tablespoon sugar; 2 strips lemon peel; 1 cinnamon stick; 1 pinch ground ginger.

Boil the ingredients in an enamel pan, and set alight. When it has burnt out, remove peel and cinnamon.

Serve the punch at once with a slice of lemon in each of the glasses.



Concrete mixer feeding the pump during the pouring of the foundation of the 7.5 meg. Turbo-alternator at the Power House.





Mr. and Mrs. Crowe, our gardening experts, and also a beautiful view of the river from the Nursery Gardens.

(by MRS. C. C. CROWE)

FLOWERS: Sow — Antirrhinum, Aquilegia, Alyssum, Anemone, Bellis perennis, Calendula, Canterbury Bells, Carnation, Cosmos, Foxglove, Dianthus, Eschscholtzia, Gaillardia, Iceland Poppy, Pansy, Polyanthus, Primula, Primrose, Salpiglossis, Stock, Sweet Pea, Wallflower; Plant — Antirrhinum, Aster, Dianthus, Petunia, Pansy, Salvia, Stock, Wallflower, Iceland Poppy, Nerine Bulbs and Gladioli Corms.

VEGETABLES: Sow — Beetroot, Beans (dwarf and climbing), Carrot, Parsnip, Peas, Parsley, Spinach, Silver Beet, Sweet Corn, Swede Turnip, White Turnip, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Celery, Cucumber, Squash, Pumpkin, Endive, Lettuce, Mustard, Radish; Plant — Lettuce, Tomato, Cabbage, Cauliflower.

There has been sufficient rain during the past month to soak down into the soil as far as the roots of trees which have not had a good soaking for almost two years. The resultant growth has been tremendous and even slow-growing trees have "put on" two to three feet all over. The gum-trees and other natives have carried more blossom than I have ever seen in this district and have attracted honey-eaters and other honey-loving birds and insects in large numbers.

Temperatures in December, were, for the most part, lower than usual, and many gardeners were able to carry on gardening jobs such as lawn-sowing, which could not have been done normally, at that time of the year.

Keep an eye on the watering of newly-planted trees, shrubs and lawns during the next three hot months, watering in the evening and seeing that the ground does not dry out. If cultivating around established plants try not to disturb or expose the roots, as the hot sun dries out the moisture very rapidly.

Did you know that a tree 20 feet in height transpires approximately one ton of water per year from the soil by way of the roots and leaves?

Stake Chrysanthemums and Dahlias as they grow higher, placing the stakes as near to the stems as possible.

Remove dead and dying flowers from roses and carnations, trimming the roses **lightly** where necessary, to get ready for the Autumn blooming..

Watch for the new varieties of flower seedlings during 1971. There are also some new vegetable varieties, including a dwarf Tomato called "Pixie" which grows to only 14 inches high and bears quantities of small fruit.

Spray the fruit trees with "Rogor 40" to control Fruit Fly which is a pest of practically all varieties of fruit. Follow the directions on the container for strength of solution required.

Pear and Cherry Slug is very bad this year. It skeletonises the leaves of many shrubs and trees. Spray with "Bug-Geta" or "Gugmaster 80" for control of this pest.

BEST WISHES TO ALL FOR A HAPPY AND SUCCESSFUL YEAR IN 1971

The N.R.M.A. Touring Department says an interesting new tourist attraction in the Inverell district is the Pioneer Village, a project of Inverell and District Historical Society. The village area is next to Inverell Showground on the Tingha Road and consists of six acres of bushland.

Unique entrance gates of century-old split slabs are bolted to form a nine foot high entrance, flanked by massive tallow-wood posts. The whole structure is surmounted by a sculptured cast-iron relief depicting an early pioneer and his packhorse. z

The society proposes to re-erect early buildings to form a complete pioneer village or folk museum.

Examples of early cottages, settler's huts, coaching inn, school and post office will be erected and furnished. An old coaching inn, Paddy McHugh's pub of around 1870, has already been transported to the site and its roof made ready for shingling.

Many artifacts and rare pieces of machinery are on the site, including livery stables, steam tractors, buggies, bullock waggon, a sawpit showing how the old timbers were pit-sawn, an old mining sluice in action and an old-time threshing machine.

The concept of the village is exciting and although far from complete, merits its inclusion on your next itinerary to Inverell.

Many holders of N.R.M.A. comprehensive insurance policies are not aware that, should the insured vehicle be sold or traded-in, the replacement vehicle is automatically covered under the policy.

It is necessary, of course, to notify the company within 14 days of the date of delivery, giving full details of the replacement vehicle.

Policy-holders are recommended to read section 10 of their policy, which provides for this.

Knowledge of this provision should ease the anxiety of policy-holders who require immediate cover on a replacement vehicle outside normal office hours.

Department of Public Health tests on the N.R.M.A.'s Holden Sedan operating on liquid petroleum gas (LPG) have shown that carbon monoxide exhaust emissions have been reduced by up to 90 percent.

The N.R.M.A.'s experimental sedan now has been operating on LPG for 7000 miles; for the first 15,000 miles, the car ran on petrol.

Carbon monoxide emission reductions have been shown to be: Idle—75 percent; acceleration — 86 percent; cruise — 90 percent; deceleration — 84 percent.

Department of Health tests also showed a reduction in hydrocarbon emissions, but not to the same dramatic extent as for carbon monoxide.

Carbon monoxide is a lethal gas and one of the major pollution threats facing Australian cities from vehicle exhausts.

In addition to reduced pollution-producing gases, the N.R.M.A. engineer found other benefits accrued from converting a petrol-engine car to one operating on LPG.

The N.R.M.A.'s records show that fuel costs per mile have been 1.8c (LPG is not yet subject to tax) against an estimate of 2.09c a mile had the vehicle been operated on petrol.

The engine still runs on the original oil put into it at the beginning of the test. Scientific analyses carried out by Ampol on test samples at 1000-mile intervals have shown that no contamination of the oil has occurred and that it remains suitable for further extended use.

During the test period the engine has consumed oil at the rate of 1.49 pints per thousand miles.

Assuming that normal engine oil changes would have taken place at 2000-mile intervals at least three changes, or approximately three gallons of oil, have been saved, giving a cash saving of \$7.68.

No mechanical problems so far have been encountered; the only attention needed has been occasional minor adjustments to the LPG "carburettor."

After 15,000 miles the engine will be dismantled for complete measurement and evaluation of the wear rate.

Some of the disadvantages of converting to LPG include a slight loss of performance; availability of fuel; the size and weight of the gas cylinders; and the extra precautions necessary when cylinders are changed over.

TROUT GALORE

The president of the Canberra Anglers' Association claims that Canberra's Lake Burley Griffin is more densely stocked with trout than any other lake in Australia.

Estimates have been given that the Lake contains between 100,000 and 200,000 brown and rainbow trout of up to 10lb with large numbers between 3lb and 6lb. Most of the trout were provided by the Department of the Interior.

Lake Burley Griffin, the city's man-made aquatic centre-piece, is one of the few waterways in Australia which has a year-round open season for trout fishing. No fishing licences are needed, live or artificial baits may be used, and a bag limit of 10 fish (not less than 10 inches long) per day applies.

BUSHFIRE RULES

With the arrival of summer, motorists, picnickers and campers should keep the Bush Fire Regulations in mind.

Cooking fires may be lit only in a properly constructed fireplace not less than 15 feet from a log or stump, and the surrounding ground must be cleared within a five-foot radius.

Regulations governing the lighting of fires apply throughout the danger months (October to March) but the fire danger becomes so extreme in some areas that it may be necessary to prohibit entirely the lighting of all types of fire in the open. Total fire bans are widely publicised.

NEW SAFETY FILM

The new safety film now showing at the weekly safety meeting, is entitled "Fifty to One."

It was produced on civil engineering sites in Britain. The narrator pointed out two workmen shown in the early part of the film who were accidentally killed on the site before the film was completed.

The film stressed, among other things, the great danger present from nails sticking point upward from pieces of wood, often left lying about. Also the tremendous impact of a three-quarter inch nut falling fifty feet, possessing the force of a bullet fired from a gun.

Many other factors were dramatically emphasized. The film is well worth seeing.

Mr. Les Humphries, Safety Officer, praised the splendid effort of the apprentices, who have now passed seven years without a lost time accident.

He went on to say:

If you are travelling, don't forget all the safety measures emphasized on the plant.

Don't "put your foot down" on the accelerator, in order to "get away from it all" in too big a hurry. You might get away for good.

Take great care with LPG gas in your caravans. Train the family to recognize the symptoms of leaking gas, as only a mild concentration can have disastrous results when ignited by a spark or flame.

In this new year we want to keep our homes and families safe. A great deal depends on each one of us individually. Practice safe practices, teach them to your families.

ELWYN JAMES (Jim) HUMPHRIES

We record with sorrow the sudden passing on Friday, 15th January, 1971, of Jim Humphries.

Jim first commenced with S.P.C. in May 1949, working with the loco crew. This first spell with the company terminated in 1959. Subsequently he returned, and worked in the store as clerk, and also as Weighbridge Attendant.

To Jim's family, and to his brother, Mr. Les Humphries, our Employment and Safety Officer, all who knew Jim, express their deepest sympathy, in this time of bereavement.

FAMOUS AUSTRALIANS

William James Farrer,
The Surveyor who produced a famous
wheat seed.

Wheat has always been an important factor in Australian economy, second only to wool, but the climate raises many problems in connection with wheat-growing which are peculiar to this country. The coming to Australia of W. J. Farrer was therefore extremely fortunate.

Farrer was born in 1845 at Kendal in Westmorland, England. He was the son of a country gentleman, and went to Cambridge with the idea of studying medicine.

Because of his poor health, he was eventually forced to seek a warmer drier climate, so he came to Australia. He took a post as a tutor at Duntroon Station, near Queanbeyan, N.S.W. The site of the present Australian Military College. Soon afterwards he qualified as a surveyor.

Through his new work he became greatly interested in the problems of the land. and in 1873 he published a paper dealing with the scientific side of sheep farming, and various types of soil.

He noticed the prevalence of the parasitic fungus, rust, in wheat crops, and became interested in the possibility of producing a variety of wheat of good milling quality, and resistant to rust.

He obtained samples of seed wheat from all over the world, and set about crossing them in the hope that he would be able to produce, in addition, a wheat that would hold the grain firmly until it was properly ripe. After many years of patient, persevering work, he succeeded in developing his most famous variety, "Federation," the seed of which became available to farmers in 1902.

Farrer produced many other types, but the enormous importance of his work was that it provided a basis upon which other experimenters have worked.

After his death in 1906 a Farrer Memorial Trust was established, which provides research scholarships for work in connection with wheat growing.

Why is the tongue of a moth so long?
The tongues of some moths and butterflies are as long as their bodies. This enables the insect to obtain food from flowers which would normally be beyond reach.

The nectar, which is the food of these butterflies and moths, is produced in the deep hidden nectaries of flowers; and by unrolling its tongue and thrusting it down into the far recesses of the flower, the insect is able to reach the nectar and suck it up.

When at rest, the tongue is coiled up spirally like the mainspring of a watch, but it is always ready to shoot out in an instant.

In seeking the nectar, the insect collects pollen from the stamens of one flower, and when it goes to another flower, the pollen on its body is rubbed off on the pistil, and it is fertilized. This produces seeds, and there are more seeds to grow more of that particular flowering plant.

JUNIOR SAFETY COMPETITION RESULT

Graham Dickson of Berrima wins 50 cents for his list of five things you can do to help make home safer.

1. Always be sure to turn off the electrical switches.
2. Remember to put your school case in the bedroom not in the doorway.
3. Be certain that the rake is placed where it should be.
4. Place your bike in a position where nobody will trip and break something.
5. Don't leave peelings where people can trip and slide, be sure to put them in your garbage bin.

Graham is 10 years old.

Come on juniors, have another go! Send in a list of five things you can do to help make home safer, different from the list above

YOU MAY WIN 50 CENTS.

What question can never be answered by "Yes"?
"Are you asleep?"

What is the longest word in the English language?

Smiles. There is a mile between the first letter and the last.

Try Safety Slogans

First prize: \$3.00 to Miss E. Knowlson, for:
**Safety neglected,
Life unprotected.**

SECOND PRIZE: Mrs. M. Roach received \$2.00 for:

**Carry safety to perfection.
To ensure lasting protection.**

Prizes of \$1.00 each:

Miss Chris O'Neill:

**Life is precious, life is sweet
Whatch where you put your big feet.**

Mrs. J. Dickson:

**Carry out the rules of Safety Frst,
Not be carried out, dead by carelessness.
TRY SAFETY SLOGANS**

Make an apt and original comment on any aspect of safety. Study the winners in recent contests. They are set out in full in all back numbers of your Newsletter.

FIRST AID CORNER

DRESSINGS — Continued

The best dressing for wounds is a sterilized (germ free) piece of gauze. This can be a "shell" of prepared dressing which includes pad and bandage, sealed in a protective covering.

Application:

Loosen the protective covering with a clean pair of scissors, cut the gauze to the size required to cover the wound adequately, meanwhile exposing the dressing as little as possible to the air.

Emergency Dressings:

- The inside of a clean handkerchief.
- A freshly laundered towel.
- A clean piece of linen.
- A clean paper tissue.

Cover any dressings with a firm pad of cotton wool which extends beyond the dressing, and is kept in place with a bandage. The cotton wool must never be in contact with the wound.

—JACK DOUGLAS

SUCCESS IN ACCOUNTANCY FINALS

Chris Hutchison of the S.P.C General Office has passed his finals in accounts. This will enable him to be an associate of The Australian Society of Accountants. The road has not been easy for Chris, with wife and family and full time work, but he persevered, and his efforts have now been crowned with this success. I am sure that all who know Chris, will join in saying congratulations.

Phillip Radnidge, son of Mr. E. Radnidge, Apprentice Training Foreman, has also passed his finals in Accountancy. He started out in Mittagong as a bank clerk, later went to Sydney, and is now working at International Computers Ltd. He is in charge of the Budgeting Section. We congratulate Phillip also on this splendid achievement.

WHAT'S A WOMAN?

By an Engineer (not on this plant)

Here's a formula version of a male view point supplied by an engineer.

Symbol WO.

Occurrences; found wherever man is found. Boils at nothing and may freeze at any moment. Melts when treated properly.

Chemical properties; very active. Possesses great affinity for gold, silver, platinum and precious stones. Violent reaction when left alone.

Uses: highly ornamental, useful as a tonic in lifting of low spirits, equalises the distribution of wealth, is probably the most powerful income reducing agent known.

Caution: highly explosive in inexperienced hands.

—Submitted by R. Friend.

What must one do to have soft hands?

Nothing.

To what man do men always take their hats off?

The barber.

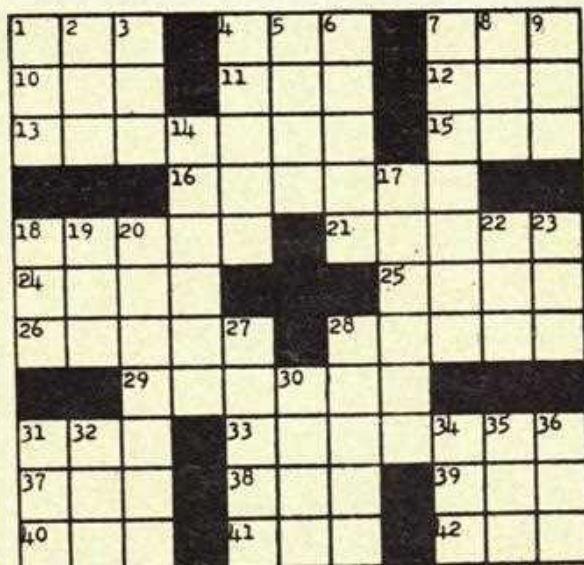
Why is "O" the noisiest vowel?

All the other vowels are inaudible.

How can it be proved that a horse has six legs?

He has fore (four) legs in front and two behind.

OUR PROBLEM PAGE



FIRST PRIZE: Mrs. A. E. McIntosh, care Drawing Office. \$2.00.

SECOND PRIZE: Mrs. A. Johnston, Marulan, \$1.00.

TRY THIS MONTH'S CROSSWORD

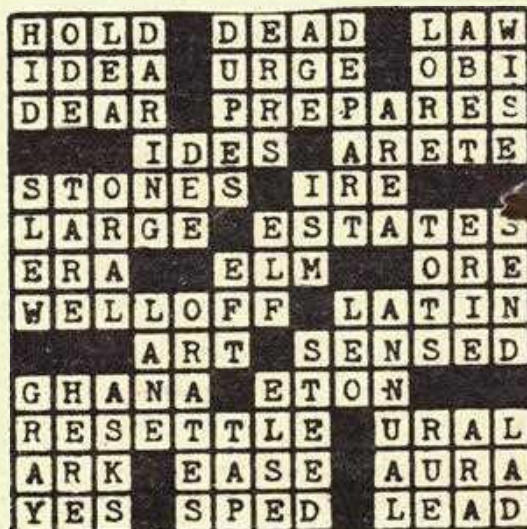
You will enjoy it, and may win a prize
Closing date, February 13th.

ACROSS—

- 1 Wholly
- 4 Fuss
- 7 Ecc. mach. part
- 10 Fish eggs
- 11 Nevada (abbr.)
- 12 Crude metal
- 13 Sparkle
- 15 Soak, as flax
- 16 Makes vigilant
- 18 Exalt the spirit of
- 21 Instruct
- 24 Prefix: half
- 25 Incline
- 26 Condescend
- 28 Dim. of Christopher
- 29 Unusual
- 31 Sea eagle
- 33 Cheap (comp. wd.)
- 37 Said (Fr.)
- 38 Outfit
- 39 That woman
- 40 Gr. goddess of dawn
- 41 Pen for swine
- 42 Understanding

DOWN—

- 1 Skill
- 2 Opposed to high
- 3 Hawaiian garland
- 4 Leg joint
- 5 Remove (print.)
- 6 Apparent
- 7 Privateer
- 8 Exist
- 9 Encountered
- 14 Country
- 17 Leash, e.g.
- 18 Letter S
- 19 Lease
- 20 Quantities
- 22 Roman 151
- 23 Heights (abbr.)
- 27 Selects
- 28 Short tobacco pipe
- 30 Resign
- 31 Commune in Neth.
- 32 ... Grande River
- 34 Request
- 35 Definite article





MONTHLY NEWSLETTER

SOUTHERN PORTLAND CEMENT LTD.
MARULAN - BERRIMA - MEDWAY - SYDNEY



S.P.C. MONTHLY NEWSLETTER

- EDITOR:
C. W. Knowlson



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GENERAL OFFICE:
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STORE:
T. Roach

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L. Bush

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Sylvia Stocks

Marulan—
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E. Cooper

Colliery—
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- REGULAR FEATURES:
FISHING NOTES
R. Greaves

GARDENING NOTES
Mrs. C. C. Crowe

HOMELOVERS CORNER
"Homelover"
Miss H. Ferrier

PHOTOGRAPHY:
L. Humphries
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VOL. 13, No. 2

FEBRUARY, 1971

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18	Problem Page.

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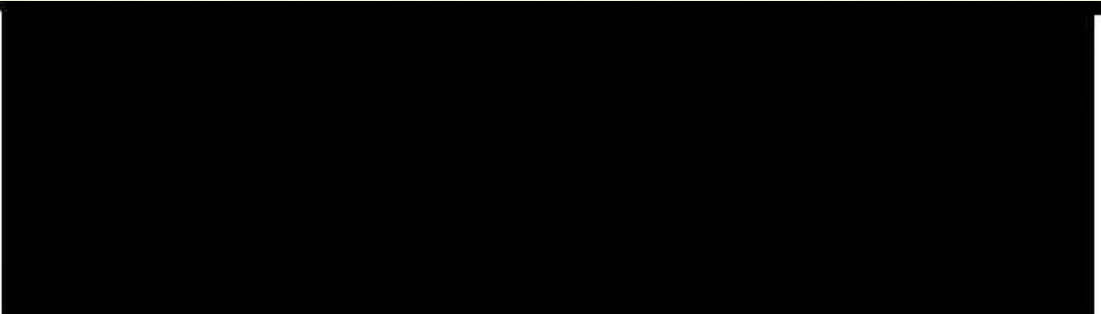
Southern Highland News, Pty. Ltd., Bowral.

ALL CORRESPONDENCE AND ENQUIRIES TO—

The Editor,
S.P.C. Monthly Newsletter,
P.B.S. No. 4, MOSS VALE, N.S.W. 2577.

COPY DEADLINE—

1st of Month.



One morning last month, an elderly man was lying on a footpath in Sydney. He was unconscious. Hundreds of people walked past, or around him. Fortunately, a girl noticed him from a passing car, and went to his aid. It turned out he was very sick, and could have died without medical attention.

It reminded me of that very well-known parable, the Good Samaritan. You remember how certain prominent citizens passed by on the other side, when they saw the man who had been assaulted and robbed.

It is a human failing to try and "get by" or "get through" without too much involvement. No doubt many of the pedestrians passing the sick man had a twinge of conscience, then perhaps all kinds of reasons came to mind, why they should not, or could not get involved.

Many of us, all too often, think that way too. It means giving time, thought and sometimes giving of our means to other things and other people, outside our own little world. Whilst it is of first importance to foster family life, to care and provide for wife and children to the best of our ability. It is also important that we keep up with our knowledge and understanding of local needs in addition to national and world affairs.

Then, when we see a need let us not just walk past, but stop and do what we can.

Let us become involved in the right things.

THE EDITOR

Heard on the Grapevine

BERRIMA

Roy Terry had a good holiday at Narooma, and actually enjoyed some sunshine.

ooOoo

Wendy Robertson started in the Credit Union office on 7th December. Her photograph taken whilst she was busy at her desk, is in this issue.

ooOoo

Mrs. Irene Durbridge is a new starter in the Machine Room at the General Office. Photo next month.

ooOoo

Miss Alice Boyd, daughter of Mr. Ernie Boyd was recently engaged to Leading Seaman Bruce Stanford of Seaforth. The wedding will be over by the time this magazine is published. Congratulations Mr. and Mrs. Stanford. Alice will still be with us for a while after the honeymoon. Alice is well known to all, over the years she has served in various positions. At present she works in the Machine Room, General Office.

ooOoo

During this month another happy event took place. On the 20th, Jenny Mackey of the Credit Union Office was married to Alex Martin. Jenny has been with the Credit Union for over three years and is well known throughout S.P.C. Jenny will continue with us. Congratulations Jenny, from all Credit Union members and friends. Incidentally the amount collected for Jenny was \$56. This was used to purchase a wedding present, an H.M.V. Mantel Clock Radio.

ooOoo

Mrs Prabha Yardi of the General Office has left S.P.C. and will be taking up Primary teaching.

ooOoo

George King and wife enjoyed a quiet holiday at Shoal Bay, North of Newcastle. They had a record four days of sunshine. At Nelsons Bay, at the Big Game Fishing Association, George saw a 32lb schnapper on the scales.

Jack Bloomfield just returned from his annual leave. For one of those weeks he was unfortunately sick. However he did have a week of exceptionally good fishing at Yamba, where he caught 50 bream, averaging about 2½lb each.

ooOoo

Mr. and Mrs. Colin Martin are very happy at the birth of a daughter, Wendy Ann, on January 12th.

ooOoo

Clem North is at present holidaying at Lake Illawarra.

ooOoo

Stan Souter of the Powerhouse is in hospital in Sydney. We trust he will soon be fully recovered.

ooOoo

Bruce Burgess is also on annual leave at the time of writing.

ooOoo

Congratulations to Owen Jacobson and his wife, Carol, on the birth of their daughter Susan Jane, on 21st January, 1971.

ooOoo

Lynette Johnston, daughter of Eric Johnston, Maintenance Clerk, has successfully completed her Teachers' College course at Wagga. Her first appointments is at Rossmore Public School.

ooOoo

Robyn Mathewson left the S.P.C. General Office on February 5th. She will be working along with Mrs. Ron Budden in Charlesworths Moss Vale.

ooOoo

Back from holidays, Mrs. M. Madden, Typing Pool and Mr. B. Madden, E.D.P. They enjoyed a good holiday, and had some fine weather. Spent a few days in Sydney and down the coast.

ooOoo

Ian Dickson spent two weeks touring South Australia and Victoria. He shaved off his beard before returning to the Office, he just hadn't the courage.

The ladies of Marulan South Women's Bowling Club recently held an afternoon in the Clubhouse to say farewell to one of their foundation members, Joy Bushell. Apologies were received from Ann Chaplin, Ilma Cluney, Jean Galolway and patron Mrs. D. Bucknell.

President, Shelia Penfold thanked Joy for all the work she did for the club and special thanks was also extended Joy from the men's club. Joy was a very hard worker and a consistent bowler and her fellow members are very sorry to see her leave. They all wish her well in her new home at Karuah.

On behalf of all members of the women's club, President Sheila presented Joy with a lovely crystal vase.

A few ends of bowls were rolled prior to afternoon tea.

ooOoo

Bill McCallum tells me practically all holiday makers on annual leave during the early part of the month were washed out. This included himself. The camping ground at Batemans Bay was flooded with up to three feet of water. On the way home he passed through Clyde Mountain only minutes before it was blocked by a landslide. It was closed for two days.

ooOoo

COLLIERY

Some at the Colliery or Berrima Plant may remember Luke Webb. He came into our office recently. 24 years ago, he retired from the Colliery, where he worked as a blacksmith. He will be 85 this year, when he will also be celebrating his 60th wedding anniversary. Luke is grandfather to Michael Williamson, one of our new apprentices.

ooOoo

Brian and Helen Townsend are rejoicing in the birth of a daughter on Friday, 29th January, a sister for Matthew.

ooOoo

Graham Souter, assistant engineer, has left S.P.C. and gone into partnership with his father on his dairy farm near Moss Vale on the Nowra Road.

ooOoo

Les Talbert, who has been with the Colliery for almost 24 years, has left and taken the position of Deputy at Mount Alexandra Mine, Mittagong.

Bill Barnett who has been an Electrician at the mine for nearly 20 years, has been appointed Assistant Engineer.

ooOoo

Bob Krahenbuhl, husband of Jenny, who worked in the General Office, has commenced as an Electrical Fitter at the Colliery. Previously, he was with Fred Hayes, of Bowral.

ooOoo

Giovanni Bevilacqua returned to the Colliery to take the position vacated by Les Talbert.

MARULAN

Mr. Alex Neckrasious, Carpenter at the quarry, hung his overalls in the Carpenter's Shop. The next day whilst putting them on, he was straightening out the creases when a large black spider fell to the floor. A number of us were present, and we agreed it was a full-grown male Funnel Web. It was about 2½ inches across. The body was black with a tinge of mauve at the rear, and on the legs near the body. Whilst trying to hold him at bay until a suitable bottle was found, he jumped to a height of about two feet several times.

Eventually we got him in the bottle and Alex gave him to the Marulan doctor.

ooOoo

IT'S GOING AWAY!

For your information, it's the Works Shield, we've kept it at Berrima since 1965. For five consecutive years we won the shield, we also won the Safety Competition in 1960, 1962 and 1963. Eight years in all, and now it's going. This time we are in second place.

The Works Shield is presented by the Australian Cement Manufacturers Association for competition among member companies with a view to promoting safe working in the industry.

The competition for safe working commenced in 1939 and the first winners of the award in that year were the Queensland Cement & Lime Co. Ltd., and Goliath Portland Cement Co. Ltd. (Tas.).

We don't like to see this shield leaving S.P.C. — It means we've had lost time accidents, it means fewer Safety Coupons.

How about bringing it back again next year! We've done it eight times before and we can do it again!

EDITOR'S NOTEBOOK

Since the introduction of tobacco smoking into Europe in the Sixteenth Century, a controversy has raged regarding the wisdom of the habit. The argument has been intensified in the past decade, because a good deal of medical evidence has been produced which shows that heavy cigarette smoking harms the health.

These facts cannot, and should not, be disregarded.

Why do people smoke?

Some people claim that smoking helps them to relax or to concentrate better.

But mostly, smoking is prompted more by social custom than by individual needs.

Intensive commercial advertising has played a major part in the public acceptance of the habit. Between 1962 and 1966 money spent on smoking advertising in Australia increased by 233 per cent. Total advertising expenditure on all goods increased by only 48 per cent, and the population by nine percent.

The dangers of smoking . . .

While the nicotine content in tobacco is very small, it, nevertheless has a direct action on the body, chiefly affecting the nervous system, and being largely responsible for the development of the compulsive habit-forming side of smoking.

Nicotine also speeds up the heart, so that it suffers from heart-disease, and to those with circulatory problems, the habit of smoking presents special dangers.

Other irritating chemicals in tobacco smoke affect the mucous membranes lining the bronchial tubes of the lungs.

So excessive smoking may result in catarrhal conditions of the nose, throat and bronchial tubes, or in a chronic cough.

Chronic bronchitis and emphysema, or loss of lung elasticity, occur much more frequently among smokers than non-smokers, and may be quite disabling in later life.

Diseases of the digestive tract such as peptic ulcer may also be associated with excessive smoking.

Cancer of the mouth, throat and gullet occur more frequently in smokers than non-smokers.

Lung cancer . . .

The great increase in the number of cases of lung cancer throughout the world has been

a matter of concern to public health authorities. Research workers in Britain and the U.S. have produced evidence of a definite link between smoking and lung cancer.

Studies overseas have shown that death rates from lung cancer increase sharply as more cigarettes are smoked.

The chance of dying in the next 10 years for a man aged 35 who is a heavy cigarette smoker is about one in twenty, whereas the risk to a non-smoker is one in ninety. A man who has smoked twenty cigarettes daily for 20 years is twenty times more likely to develop cancer of the lung than is a non-smoker.

The national Health and Medical Research Council has expressed its opinion that there is a relationship between smoking and lung cancer.

To smoke or not to smoke?

The question to smoke or not is one for each individual to decide for himself. Any one who has not formed the habit should hesitate to begin a practice which could prove harmful to his health.

Parents have a responsibility to put the facts about smoking and health to their children, so that the decision whether to begin smoking or not, should be made by the young adolescent in full possession of the facts.

The above is from a leaflet issued by the NSW Department of Public Health.

HISTORIC CHURCH

The photo of the church was taken at Twofold Bay, Eden. (Page 12).

Eden was built by convicts about 1830.

The bricks for the church were made locally, Ben Boyd had the church built.

Boyd had dreams of making Twofold Bay into a large town. But his dreams were short-lived. All there is to see now is his large house, now the Seahorse Inn, it is still open today, the old church and a sandstone tower.

Eden today is the main town. Eden and Twofold Bay were whaling stations in the early days.

Eden today is a deep sea fishing port. Twofold Bay is what we may call a ghost town.

The story of the early whaling days of Eden is a book worth reading, also the history of Ben Boyd.

—COL GLACKEN



Mr. Les Humphries placing the Safety Shield in the box for sending away.



Wendy Robertson now works with Jenny Mackey in the Credit Union. Wendy started in December last.



Ann Delderfield, now switchboard attendant and typist in Marulan Office.





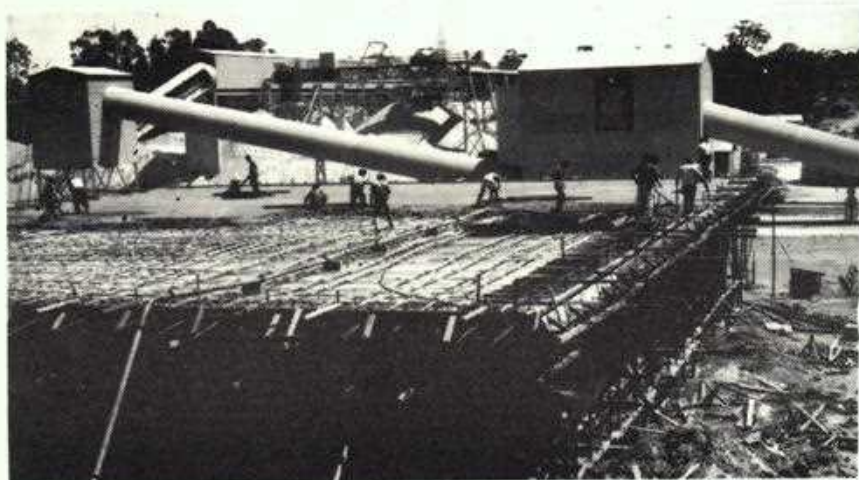
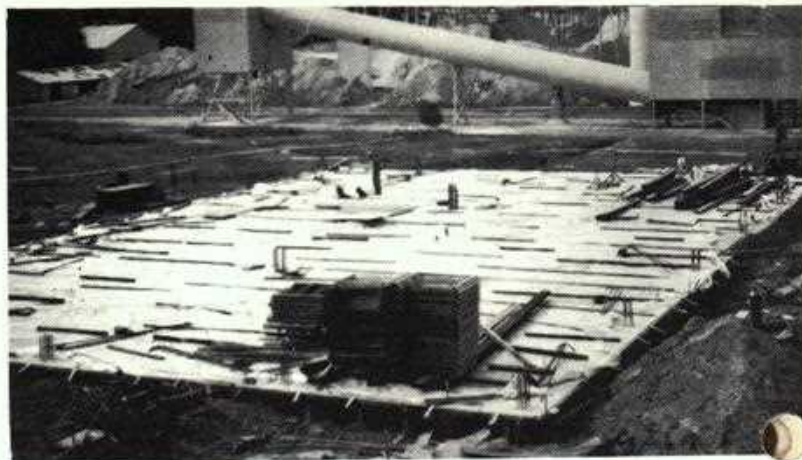
NEW APPRENTICES . . . Back row, Garry Guymer, John Miller, Bryan Dickson, Owen Lucas, Peter Sutton, Garry Dunn, Bruce Jones, Peter Shanks, Lindsay Smart; Front row, James Smart, Gregory Morris, Anthony Traynor.



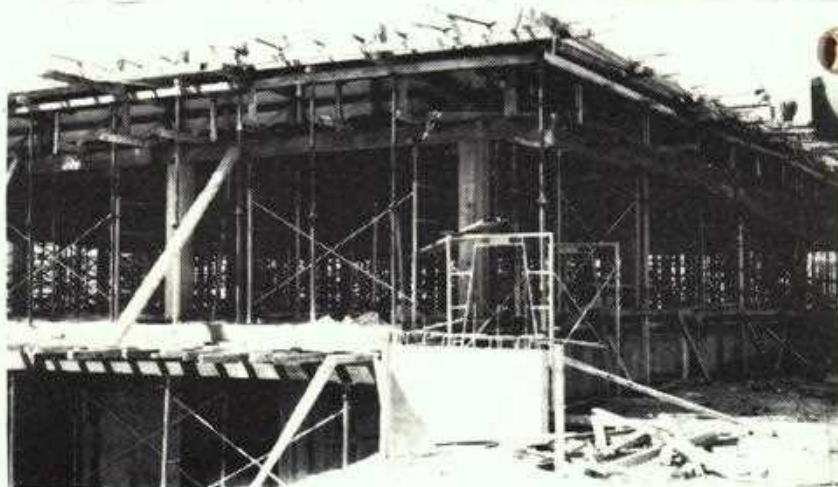
More new Apprentices, left to right: Adrian Elton, Carpentry; Michael Williamson, Painting and Decorating; Julian Baumann, Chemistry; Terry Newry, Chemistry.

Mr. E. Rodnidge delivering a lecture.





The new laboratory during the pouring of the roof; early in December. Part of the basement storage area can be seen in the lower picture.





The new laboratory in various stages of construction.



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The twelve foot fishing boat made by Jim Galloway, an electrical foreman at the Quarry.

✓ SHOT FIRING

Roy Clack has worked at Marulan Quarry for over 20 years. He is a leading hand powderman. Roy tells me they don't have Powdermonkeys any more.

About 3.30 p.m., almost every day, the shots go off, but a lot of work goes into the preparation.

First a series of holes is drilled on the top of the rock face to a depth of 60 feet. Generally from five to 10 holes and sometimes up to and over 20 holes, depending on stone requirements. The explosion from one of these holes will blast about 1600 tons of limestone.

The loading of a hole consists of four 50lb. bags of nitropril placed in the bottom of the hole then comes a Pentolite Primer attached to a Plastic Cordtex which is lowered to the Nitropril then four 50lb bags of Nitropril and another Pentlite Primer is threaded on to the Cordtex and lowered to the Nitropril then comes four 50lb bags of Nitropril which completes the loading.

There is a further 20 foot of the hole left which is tamped with dirt. The cordtex from each hole is connected to a line of Cordtex and on one end a No. 6 detonator with a 6ft fuse attached.

The shot is now ready for firing.

Before nitropril is used for explosives it must be mixed with 5% or 6% Distillate.

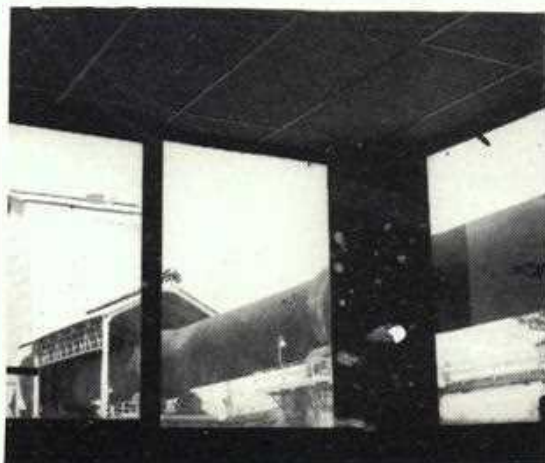
A recent picture of Roy Clack appears on this page.

One of the responsibilities of Roy is to make sure that no one is near when the shots go off.

"Safety First" is the rule.



Jack Read receiving the 3ft. Stillsons from Mr. Tony Cosgrove at the time of his farewell, on Jack's retirement.



An unusual view of No. 5 Kiln from the new laboratory.



Some Qaurry employees witnessing a presentation to Jack Read on his retirement, September, 1970.



Historic Church, Twofold Bay, Eden. — See Page 4.

Juniors Page —FAMOUS AUSTRALIANS

John Flynn and the Flying Doctor Service

John Flynn was born in 1880 at a small Victorian town called Moliagul. This place had previously become famous because of the "Welcome Stranger" gold nugget which was found there in 1869. It weighed 2284 ounces.

John Flynn became a school teacher but at the age of 22 felt the call to be a preacher.

He was ordained a minister of the Presbyterian Church in 1911. He was attached to the Smith of Dunes Mission, working among the white settlers and their aboriginal employees. Flynn saw for himself the plight of the sick and victims of accidents. One hostel had been established in the far north of South Australia at Oodnadatta, in charge of a deaconess nurse, but there was no doctor within 500 miles.

John was asked to study this matter of medical help and travelled to all parts of Australia. He rode on a camel from Oodnadatta to Alice Springs, but made most of his journeys by horse, buggy and motor car.

As the result of his journey, the Australian Inland Mission was formed, Flynn was made superintendent. Many more nurses were now serving, but Flynn was still puzzling over the possibility of getting doctors to patients and patients to hospital and of getting messages quickly over the immense distances of the inland. It was then that he remembered again certain happenings during the year 1911 when he was ordained.

In that year, a man named Houdini had made a flight in a bi-plane at a place called Diggers Rest in Victoria. Another man Duigan had flown 100 yards in an aeroplane of his own construction at Mia Mia, Victoria. Aeroplanes were part of the answer to his problem, but he must have flying doctors!

But how could the doctor be called. Wireless telegraphy was by then in use, but he needed a set that was foolproof, capable of sending and receiving messages over a distance of at least 300 miles.

In 1926, John Flynn met Alfred Traegar had made a study of generators. of Adelaide, a young electrical engineer who

They went to Alice Springs to conduct a series of experiments and at last Traegar was able to produce his "Transceiver," worked by power generator by pedals like those of a bicycle.

Many others helped in those early days, Hudson Fysh of Qantas, converted early planes so that they could carry a stretcher. At first it was called the Australian Aerial Medical Service, later it was changed to the Royal Flying Doctor Service of Australia.

Out of this service came another blessing to the children of the inland, the School of the Air. By this "school" children on stations hundreds of miles apart can receive instruction and talk to their teacher and other children.

John Flynn died in 1951, his ashes lie at the foot of Mount Gillen, near Alice Springs, in the centre of Australia.

John was a young man of vision, persistence and practical christianity. His life was worthwhile.

JUNIOR SAFETY COMPETITION

This is open to all juniors up to and including 12 years of age.

List five things that you can do on your way to school, or whilst you are at school that will help to prevent accidents.

This month Cathy Brooks of Moss Vale wins 50 cents for the following safety precautions you can take at home.

Cathy is nine-years-old.

1. Do not leave toys lying on pathways or floor.
2. Do not turn hot water into the bath before you have at least two inches of cold water in first.
3. Do not put mats on a highly polished floor.
4. After watering the garden always roll or hang the hose up.
5. Never leave the axe lying at the wood heap.

Closing date, March 15th. Send to the Editor.

Homelovers Corner

CHEESE SOUP

Method: 2 cups milk, 1 cup stock, a level tspn flour, 1 tspn butter, pepper and salt.

Put the milk and stock with butter in a saucepan, add pepper, salt, let it come to the boil, add flour smoothly mixed, when thickened, strain, add three tspns grated cheese, and serve.

oo•oo

FISH CAKES

Equal quantities of cold mashed potatoes boiled fish, 1 tablespoon chopped parsley, pepper, salt, little vinegar or lemon juice, 1 or 2 eggs.

Mince fish with potatoes, add beaten egg parsley, salt, lemon juice, form into cakes, dip in egg, breadcrumbs, fry brown. Anchovy sauce is an improvement, or sauce to taste.

oo•oo

CHICKEN CROQUETTES

Cold boiled chicken, 1 full tspn butter, 2 tabspns flour, 2 eggs, breadcrumbs, salt, pepper, grate nutmeg, pinch of shredded onion, $\frac{1}{2}$ pt cream or milk.

Method: Chop meat very fine, season with salt, pepper, nutmeg, onion, mix butter, flour, smoothly. When well mixed and heated add cream or milk, salt added, stand a minute or two, then stir into meat. When cold take spoonful, dip into eggs slightly beaten, then into breadcrumbs, roll lightly to shape, fry in boiling fat.

oo•oo

DUCK WITH GREEN PEAS

Trim and truss neatly a young duck, stew it slowly 1 hour in stock with a bunch of sweet herbs. Boil 1 pint green peas in stock, a piece of mint added. When cooked rub through a sieve, strain stock the duck was stewed in, add enough of it to peas to make the thickness of cream, pour over duck.

oo•oo

BANANA AND SULTANA PUDDING

$\frac{1}{2}$ doz bananas, $\frac{1}{2}$ cup sultanas, $1\frac{1}{2}$ cups breadcrumbs, $\frac{1}{2}$ cup sugar, ' lemon (juice and grated rind).

Peel bananas, pass through a sieve, add other ingredients, mix well, pour into a buttered mould, steam $2\frac{1}{2}$ hours. Serve with lemon sauce.

QUICK PUDDING

1 lge tspn butter, 2 eggs, 3 tabspns milk, 1oz sugar, 1 small tspn baking powder, enough milk to make a stiff batter.

Mix butter sugar together, break in eggs and beat well. Butter a basin, put jam or treacle on bottom, add ingredients, steam $1\frac{1}{2}$ hours.

oo•oo

LOCAL SUCCESS STORY

From Moss Vale apprentice to Commander of the British Empire.

Arthur Clifford Howard died in England in January of this year. He was born in 1893 at Gilgandra, north of Dubbo, N.S.W., the son of a farmer.

His first job was as an apprentice with an engineering shop in Moss Vale.

Liol Bush of S.P.C. supplied some interesting material for the Newsletter regarding Cliff Howard. It seems Cliff, even at the age of 17 years pondered the idea of a rotary hoe, whilst examining the pedal system of a pushbike.

During the First World War he designed material handling equipment for the British Ministry of Munitions, in England.

In 1922, Howard, along with a Mr. McCleery, founded Austral Cultivators in Moss Vale, in order to develop his ideas on the rotary hoe. Liol Bush informed me this engineering shop was situated on the site of the garage next to the Dairy Farmers store.

At first Cliff Howard had to take his machines round to farmers and give demonstrations, selling them one by one in order to get enough money to carry on.

This was all over by 1928, business was booming and in order to get the skilled labour needed the factory was moved to Northmead, Sydney.

Since those early days, the business has expanded and more than 400,000 units bearing the Howard name, have been sold throughout the world.

Late last year, Cliff Howard retired at the age of 77 years. It was then he was invested a Commander of the British Empire for his services to the farm machinery industry.

FISHY TALES

(By RUS GREAVES)

It would appear that Bill Aitken is the only one to boast a good bag! He seems to be pretty constant with those reddsies!

Seeing that the drought has now broken. Well, the farmers will appreciate it anyhow, reminds me of the fact of water.

Water plays a very large part in the make up, not only of animals and vegetables but of minerals and our own good selves.

As a matter of particular interest take sea water.

Unfortunately the human body cannot tolerate water with so much salt in it as it "upsets one applecart."

By demineralisation or distillation the solids may be removed, but these methods are usually not available when required. Of course there is much more in sea water than salt, and these other minerals act as fertilisers to the fish and other odds and ends of the sea.

A litre of sea water (approximately 2.2 lbs.) generally contains the following minerals:

Chlorine	18.980 grammes
Sodium	10.556 grammes
Sulphate	2.649 grammes
Magnesium	1.272 grammes
Calcium	0.400 grammes
Potassium	0.380 grammes
Carbonic Acid	0.410 grammes
Bromine	0.605 grammes
Strontium	0.013 grammes
Boric Acid	0.026 grammes
Fluoride	0.001 grammes

These are the major materials and others are present in exceedingly small amounts. These would be dissolved gases, oxygen and nitrogen, silicon and phosphorous and then gold, which would amount to 0.000,000,006 grammes in the above quantity of water.

So the old expression "There's gold in them thar hills," could easily be "There's gold in that thar water."

When we refer to these substances as traces, it does not seem much, but it does not take much, to accomplish the job. Take for instance our local water supply which contains one part of fluorine to a million parts of water.

This has scientific backing to prove that it is beneficial to ones teeth. My teeth seem OK, however, my hair is getting thin on top—now I wonder?

BOWLING IN HISTORY

Bill Rutter, Machine Shop Foreman, passed on to me some interesting facts relating to the game of bowls.

There seems to be evidence that Drake and some of his captains were actually playing a game of bowls on Plymouth Hoe, when they heard that the Spanish Armada was sailing up the English Channel. The date is claimed to have been 19th July, 1588. The 1736 oldy Edition of Raleigh's History of the World contained a prefix on the life of Raleigh in which it states:

"... the intelligence which Captain Thomas Fleming brought into the harbour on 19th July that he had discovered the enemy approaching from the lizard point in Cornwall. The Captains and Commanders were then it seems, at bowls upon the Hoe at Plymouth."

Still earlier evidence is available in a work called 'Phoenix Britannicus' published in 1731, part of a political pamphlet is reproduced entitled "Vo Populi" published in 1625 only 36 years after the attempted invasion by the Spanish Armada.

It records a sitting of the Cortes (Spanish Council) to discuss Spanish policy towards England. It quotes as follows:

"Did we not in '88 carry our business for England so secretly ... as in bringing our Navy to their shores while their commanders were at bowls upon the Hoe at Plymouth."

So Drake did indeed play bowls.

The history of the game goes back much further and we hope to continue this theme in next month's issue.

SYDNEY OFFICE FLASH

Congratulations and very best wishes to Sigrid Aeuken, who announced her engagement to Doyle Earls recently.

Gardening Notes



(by MRS. C. C. CROWE)

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, Stock, Wallflower, Viola.

VEGETABLES: Sow — Beetroot, Broad Beans, French Beans, Carrots, Onions, Parsley, Parsnip, Peas, Silver Beet, Sweet Turnip, White Turnip, Lettuce, Radish, Cress.
Plant — Cabbage, Cauliflower, Leek, Eschalot, Garlic, Majoram, Sage, Thyme.

January was a very wet month with above average rainfall and fluctuating temperatures. This made applying sprays for caterpillars and fungus diseases very difficult and a close watch will have to be kept on these until the cooler Autumn weather arrives, when a good many of them will disappear.

Now is the time to plant most Spring-flowering bulbs such as Daffodils, Jonquils, Hyacinths, Lachenalias, Watsonias, Snowflakes, Anemones, Freesias, Grape Hyacinths and Ranunculus.
LEAVE Tulip planting until March.

Decide what EVERGREEN and Deciduous trees and shrubs you would like to plant in the garden. Evergreens can be planted from the end of March onwards and Deciduous during the Winter months.

Trim Hydrangeas, which have finished flowering, about the end of this month.

Remove dead flowers from Roses and lightly prune, to encourage Autumn flowering. Stake up Chrysanthemum and Dahlia plants, if this has not already been done and disbud Chrysanthemums if you want large blooms.

Prepare the soil for lawn-sowing next month, keeping the area "weed-free."

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

Sow Carrot, White and Swede Turnips now, in their permanent positions. The soil for these should be dug deeply to enable the roots to grow straight down.

Set baits for slugs and snails, remembering that this is the month when they lay eggs.

TRY SAFETY SLOGANS

See how it's done by studying the winners below. Get Safety Conscious. Writing these slogans will help.

There are seven chances to win a prize.
Closing date, March 15th.

SAFETY SLOGAN PRIZE WINNERS

First prize: Mrs. M. Roach, Berrima, \$3.00 for the following:

**Make your life free from care,
By practising "Safety" everywhere.**

Second prize: Miss Chris O'Neill, E.D.P. Department, \$2.00 for:

**Foolish actions, rules ignored,
Stop those "free" days being scored.**

Consolation prizes of \$1.00 each:
Mrs. E. Radnidge, Welby—

**A safe is where you keep your wealth,
Safety is the key to health.**

Mrs. J. Dickson, New Berrima—

Safety Benefits exceed Hospital Benefits.

Mr. Roger Seville, Colliery—

Work safely done is work well done.

HOW TO CLAIM YOUR COMPETITION PRIZES

Prize dockets are made out at the time of the publication of the S.P.C. Newsletter.

Prizes can be claimed by winners or appointed representatives from Mr. Terry Whatman, Paymaster.

APPRENTICES' SAFETY MEETING

11th FEBRUARY, 1971

In the absence of Mr. L. Veal, Bill Gale, Production Superintendent, addressed the apprentices. He mentioned the two accidents in 1970 that lost 40 days, and incidentally put us second in the Safety Competition.

He also stressed that any accident, requiring the attention of a doctor, takes us to the verge of another lost time accident and there were 61 of these last year.

Referring to the film that was shown, "Fifty to One," Mr. Gale showed that accidents can happen to anyone when lack of care is evidenced.

Again the speaker emphasised the importance of reporting accidents. We may think that a minor injury is not worth reporting. This is not so.

Before the screening of the film, Mr. Gale wished all apprentices, new and old, on behalf of the company, a safety and healthy year and he closed with the words, "take care, make sure you are here next year."

After the film, Mr. E. Radnidge, Apprentice Training Foreman, again congratulated the Berrima apprentices on their continued safety record, and encouraged Marulan also who were now creeping up to 500 accident-free days.

Mr. Radnidge again mentioned how important it was to observe the 15 m.p.h. limit when driving into the car park and how extra care was always needed during wet conditions.

Other safety points he mentioned included using tools in the correct manner, and anything lying about should be moved into a safe place. His closing message, "Safety is a Serious Business."

After congratulating all apprentices who were successful in examinations and encouraging others to keep on and try much harder, the meeting was closed.

OUR PROBLEM PAGE

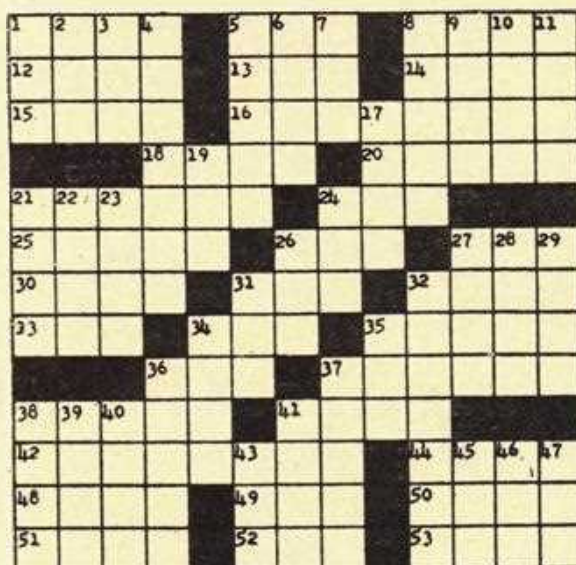
RESULTS OF JANUARY CROSSWORD

First prize: \$2.00, Mrs. A. J. Shepherd, "Waverley," Hume Highway, Marulan.

Second prize: \$1.00, Mrs. M. Roach, Berrima.

If you haven't tried before, have a go this month. You could easily be a winner. Closing date, 15th March.

- 1 Indian king
- 5 Route
- 8 Snatch
- 12 Ardor (Fr.)
- 13 Hail!
- 14 Fit of fury
- 15 Sour
- 16 Risked
- 18 Pitcher
- 20 Musical pipes
- 21 Mended
- 24 The sun
- 25 By oneself
- 26 Coal scuttle
- 27 Boy
- 30 Tableland
- 31 Cut down, as grass
- 32 Window compartment
- 33 Look at
- 34 Droop
- 35 Dough
- 36 Clique
- 37 Ridicule lightly
- 38 Not freshly made
- 41 Hop kiln
- 42 Decorate
- 44 Abhor
- 48 Edible red root
- 49 Consumed



- 50 Ireland (poet.)
 - 51 Stitches
 - 52 Fishing pole
 - 53 Split
- DOWN—
- 1 Soak, as flax
 - 2 Wing
 - 3 Vessel for preserves
 - 4 Insect feeler
 - 5 Fluttered
 - 6 Assert
 - 7 Money of Japan
 - 8 Thin porridge
 - 9 Uncommon
 - 10 Grown old
 - 11 Places to sleep
 - 17 Trampled
 - 19 Little
 - 21 Water barriers
 - 22 On the lee
 - 23 Showy flower
 - 24 Seed
 - 26 Pig
 - 27 Endure
 - 28 Poker stake
 - 29 Antlered animal
 - 31 Wrestling cushion
 - 32 Leopard
 - 34 Appear
 - 35 Dance step (Fr.)
 - 36 Laths
 - 37 Moderated
 - 38 Weeps convulsively
 - 39 Woody plant
 - 40 Over again
 - 41 Upon
 - 43 Organ of hearing
 - 45 Exist
 - 46 Soft metal
 - 47 Conclusion

PS

Vol. 13, No. 3
MARCH, 1971

SPC

MONTHLY NEWSLETTER

SOUTHERN PORTLAND CEMENT LTD.
MARULAN - BERRIMA - MEDWAY - SYDNEY

S.P.C. MONTHLY NEWSLETTER

- EDITOR:
C. W. Knowlson



- DEPARTMENTAL REPRESENTATIVES:
Berrima—
WORKS OFFICE:
T. Saker
GENERAL OFFICE:
Miss M. Pederson

PLANT:
J. Douglas

STORE:
T. Roach

POWER HOUSE:
B. Garbutt

LABORATORY
H. Etheridge

MACHINE SHOP:
C. Warner
E. Johnston

ELECTRICAL SHOP:
R. Larsen

GARAGE & GROUNDS:
L. Bush

SYDNEY OFFICE
Sylvia Stocks

Marulan—
W. McCallum
E. Cooper

Colliery—
M. Thorpe



- REGULAR FEATURES:
FISHING NOTES
R. Greaves

GARDENING NOTES
Mrs. C. C. Crowe

HOMELOVERS CORNER
"Homelover"
Miss H. Ferrier

PHOTOGRAPHY:
L. Humphries
C. W. Knowlson.

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MARCH, 1971

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The Editor,
S.P.C. Monthly Newsletter,
P.B.S. No. 4, MOSS VALE, N.S.W. 2577.

COPY DEADLINE—

1st of Month.

What are some of the qualities that win respect and honour, that contribute to a useful and helpful life, a life to be remembered?

As I read extracts from the life of Sir Cecil Hoskins, and talked with those who knew him, I discovered that he possessed many of these qualities. Many men who have numerous commitments, as he had, very often find little time for home life. Business success, to many, becomes the aim and goal of life, to the detriment of home relations. I recently read of a multi-millionaire who was divorced five times, and who never really found happiness in the home.

It is refreshing to know that Cecil Hoskins found time for home life. To quote just one instance, when living near the beach, Mr. and Mrs. Hoskins would take the children swimming every morning before breakfast!

Today, the trend is away from family life. Very often, the house is not a home, but merely a place where various members of the family call in for a few minutes on the way to a meeting, a dance, a theatre, or a club. I believe that Sir Cecil's love and concern for his family, was one of the foundation stones of his success.

He was also a man who went wholeheartedly into any project he commenced. Trees and shrubs seem to be a long way from iron and steel, yet our Works Superintendent, Mr. L. Veal told me of Sir Cecil's interest and guidance in the formation and establishment of the Apex Park and Picnic Area, just outside Moss Vale on the Bowral Road. He knew the names of all the shrubs and trees, and just how they should be placed in order to get the maximum effect. He evidently gave careful thought to everything with which he was concerned, and then took action! Others who knew him on the plant at Berrima works, such as Bill Rutter, Machine Shop Foreman, who retired this month, have testified to Sir Cecil's keenness and attention to detail. He would find out for himself first-hand,

So we could say, that some of the qualities for successful living, as exemplified in the life of Sir Cecil Hoskins, are thoughtfulness, thoroughness, love of home life, attention to details, and action.

THE EDITOR.

Heard on the Grapevine

BERRIMA

Henry Newman and Chris Newstead left S.P.C. during March to go to New Zealand. Both Henry and Chris served their time here, and have been working as Electrical Fitters. We wish them success in their venture.

ooOoo

Congratulations to John Baumann who has been awarded a Commonwealth Technical Scholarship. The scholarship covers study fees plus \$100 per annum.

ooOoo

Jim Jones was recently married to a Miss Jackson of Goulburn. Best wishes to Jim and his wife from all his friends. The newlyweds will be making their home in Bowral.

ooOoo

Ken Bell, Fitter, who finished his apprenticeship at S.P.C. in January of last year, left during the month. He is going into Marine Engineering in Newcastle.

ooOoo

Dennis O'Keefe of the General Office, and wife, Kay, are rejoicing in the birth of a son on Sunday, 14th March. He is named Steven James and will be a brother for Jennifer.

ooOoo

All who know Cec Warner were happy to see him back again in the Machine Shop Office, and I'm sure no one was happier than himself — unless it be his wife!

ooOoo

Congratulations to Bill Limond on his appointment as Assistant Maintenance Foreman.

ooOoo

It is just twelve months ago that Barney Creswick edited his last edition of the S.P.C. Newsletter, namely March, 1970. He is now Feature Editor of "Country Life," in addition to serving as Editor on a Gosford Newspaper. The Newsletter sends greetings to Barney.

ooOoo

The film now showing in the weekly Safety meeting is entitled "The Last Mile." It deals with road construction and the attendant hazards. The message emphasises the need for taking adequate precautions at all times.

Frank and Gail Linton returned from an enjoyable holiday at Surfers Paradise. Gail works in the Machine Room at the General Office, and Frank is a wellknown Bowral butcher.

ooOoo

Robyn McIntosh, punch card operator, terminated her employment with S.P.C. and has taken up a position as a shorthand typist at B. Haille Paine & Sons, Moss Vale.

MARULAN

Graham Morris, Fitter had an unfortunate skid whilst driving through Old Berrima. It landed him in hospital for nearly two weeks. We are glad to say he is now home again, and we hope that he will soon be fully recovered, and back on the job.

ooOoo

Glad to see Mrs. Tony Cosgrove on the mend after her recent stay in hospital. Also Mrs. Keith Delderfield.

ooOoo

Mrs. Jim Galloway is also home again after hospital treatment.

ooOoo

Whilst the editor was visiting Marulan recently, he saw another live Funnel Web spider, and also a black snake in the store (confined in a box, of course). The spider was later successfully transferred to a bottle.

ooOoo

Terry Bell, who works on the Crusher at Marulan, dug up about 30 funnel web spider in his garden.

ooOoo

Others who were on leave included R. Craig, C. Riley, B. Barnfield, R. Dix, C. Hoare.

ooOoo

Pim Galloway, Electrical Foreman and Peter Knowles, Draughtsman, visited Forster for holidays. They tried out Jim's new boat. The fishing was not too good owing to the fresh water coming from the floods. A few flathead, bream and garfish were caught, mainly by Mrs. P. Knowles.

M. Watts visited Lightning Ridge and collected a few opal specimens.

ooOoo


Les Cooper is still on compensation with a broken leg, which is mending slowly.

ooOoo

E. Rumsey, Fitter, has just served his apprenticeship, and will start National Service in April.

Recent heavy rain caused some employees to miss work, the creeks were impassable.

ooOoo

 Chris Riley, who recently broke his finger at work, is now on the mend. He is working on light duties in the store. Hope to see you soon back on the tools again, Chris.

ooOoo

Ray Bell, truck driver in the quarry, has been off duty for several weeks. He had a major operation, we hope that he will be back again soon, fully recovered.

ooOoo

A new starter at the Hydration Plant is Bill Tacey of Brayton, near Marulan.


ooOoo

Stan Croker, who has been in hospital, is back at work on light duties.

ooOoo

Ray McCallum, his wife, Helen, and son John, went on a caravan holiday to Nelson's Bay and Port Macquarie. Ray also did some cycling at Newcastle.

ooOoo

 When Hec Johnson, Quarry powderman went into the caravan park at Batemans Bay for his holidays, he had to go through three feet of water.

ooOoo

Mr. Les O'Brien, leading hand fitter and mechanic at the Quarry, will be leaving for Japan on August 1. The tour will be for three weeks. Les will have with him three Goulburn Scouts, and they will form part of the 300 Scout contingent representing Australia at the World Jamboree. They will fly to Mount Fujiama at Asigiri Heights near Tokyo. Les is Goulburn District Senior Scout Leader and is very thrilled with his appointment.

BERRIMA STORE NEWS

In a very short time the stores will be in the throes of stocktaking and the "ups and downs" will be revealed to many a perplexed and worried brow. Consequently the experience of some of the staff will be sorely taxed, trying to reconcile the differences.

In the meantime, preparations for "S" Day are going ahead, allocation of stores is being re-modelled to expedite progress. Stock Sheets are being typed and priced, and altogether an air of preparation pervades the store.

It may be of interest to the reader to know that there are almost 8000 store items to be checked, which includes General Stores, Bricks, Steel, Oils and Greases, Plant Spares, and Safety First Bonus Items.

One pair of checkers will have the job of counting bricks, just 171,500 of them! And as a point of interest if these bricks were placed end to end, the two men would be walking 24 miles in one direction!

The whole stocktaking evolution should take approximately 14 hours, so checking will proceed "at a canter" of about 570 items per hour. Any volunteers?

Since the beginning of the year, holidays have been taken by Arthur Mills, Tom Roach, Ron Spence, Bryn Jones and Fred Williams, each of whom enjoyed the break. Les Heyhorn started his on the 15th of March, and is spending his time between Bowral and Sydney. Incidentally, Les and his wife have recently become proud grandparents to another bairn, Kenneth Brian.

Barry O'Neill will commence his holiday after "S" Day, and will probably visit Canberra and possibly Melbourne. Jack King is off too, shortly, and he and his wife may be visiting Melbourne also. On the 1st March, Geoff Broadfoot of Bowral, became a member of the Stores Department. This leaves Jim Dray and Terry O'Toole to complete the gang, but at the time their holiday arrangements are not known.

SIR CECIL HOSKINS

A very worthwhile life ended at "Cardrona," Moss Vale, when Sir Cecil Hoskins died on March 8th, 1971.

The management and many of the older employees of Southern Portland Cement, knew him personally. Our Confidential Secretary, Mrs. P. Scott mentioned to me about his very interesting personality. His experience was so wide and varied and he could tell of these experiences in a vivid and compelling way.

Mr. E. Radnigt, our Apprentice Training Foreman, told me of the time of Mr. Cecil Hoskins' retirement from S.P.C. He said, "It seemed to me, that he kept himself so busy, that he just didn't have time to grow old."

Cecil Harold Hoskins was born at Petersham, N.S.W., on the 11th November, 1889. He was the second son of Charles and Emily Hoskins.

He started work at the age of 18 as a junior storeman in Sydney. When the family moved to Lithgow, he commenced work in the office of G. & C. Hoskins' Lithgow Ironworks. Later he had some sales experience and gradually he learned more and more of all aspects of the industry.

In 1913 he married Dorothy Gwynn Loveridge of Burwood. There were six children of the marriage, four sons and two daughters.

On the retirement of his father in 1924, he became chairman and joint managing director with his brother, Sid, of Hoskins' Iron and Steel Co. Ltd. In 1927, under his direction, the entire plant was moved from Lithgow to Port Kembla. The company was merged with three others, and became Australian Iron and Steel Ltd. In 1935, came another merger with B.H.P. and Cecil Hoskins continued as General Manager until 1950. He remained a director until 1959. The steelworks at Port Kembla, was named by B.H.P. "The Hoskins Kembla Works." This surely is a fitting memorial.

In 1929, Cecil Hoskins joined the board of the A.M.P. Society. When he attended his first A.M.P. board meeting, his first contribution was to knock over the ink bottle. Ink splashed in every direction on the spotless green baize cloth. Perhaps many of us, who often feel nervous and awkward when new experiences come to us, can gain some consolation and encouragement from a happening of this nature.

In 1941, Mr. Cecil Hoskins became chairman of the A.M.P. Society. In 1949, he was accompanied by the General Manager of A.M.P., Mr. Buttfeld, to South Australia. The C.S.I.R.O. had been experimenting in the development of desert areas by the addition of the trace elements copper and zinc. Mr. Buttfeld and Cecil Hoskins accompanied by a guide, spent several days in these desert areas. They recall how they came across a notice on the side of the track, warning travellers not to go into the desert unless carrying a sufficient supply of drinking water. In the desert they noticed the effect of the C.S.I.R.O. experiments, patches of green, outstanding in the dry scrub.

The society applied to the South Australian and Victorian governments for a large tract of desert land, which was granted. The desert growth was cut and burnt, the land ploughed and sown. It was then spread with superphosphate, followed by a few pounds of copper and zinc per acre. The land was then watered and houses were built. Today the area is one of prosperous farmlands.



From the very beginning of operations at Southern Portland Cement, Mr. Cecil Hoskins was on the scene. He was there when Mrs. Taylor, wife of the managing director, fired the first kiln on Friday, May 24th, 1929. At that time he was chairman of the board of directors. He himself was managing direction until September, 1957.

As mentioned in the editorial, he was a great family man, he was also a lover of nature, as witness the parklands surrounding the cement works. He had a great interest in the Remembrance Drivefay and was chairman of the Berrima District Committee. He personally chose the trees and shrubs and could be seen early every morning visiting the driveway.

In 1960, Her Majesty, Queen Elizabeth II honoured Cecil Hoskins by conferring in him a Knighthood in recognition of over fifty years of service to Australia. His was indeed a full and fruitful life.

To his wife and family, all at Southern Portland Cement extend their condolences.

MARULAN STORE



BRIAN FLETCHER

Over 3000 items are held in the Marulan Store, ranging from very small screws and nuts at one cent each up to huge tyres for the endloaders and trucks priced up to thousands of dollars each. Brian Fletcher as Stores Officer controls all the parts and items required. Angus Murphy is the Stores Clerk and his son Bruce is Storeman. The store is in two sections. The above have their headquarters in the lower store, down nearer to the quarry for the store at the top of the slope is presided over by Bill McCallum. This is where the Kiln Spares are kept and also the huge tyres mentioned above.



ANGUS MURPHY



Bill McCallum standing beside a Terex Tyre. The tyre is nine feet high and weighs one ton.



BRUCE MURPHY



—NEW PRINTING ASSISTANT

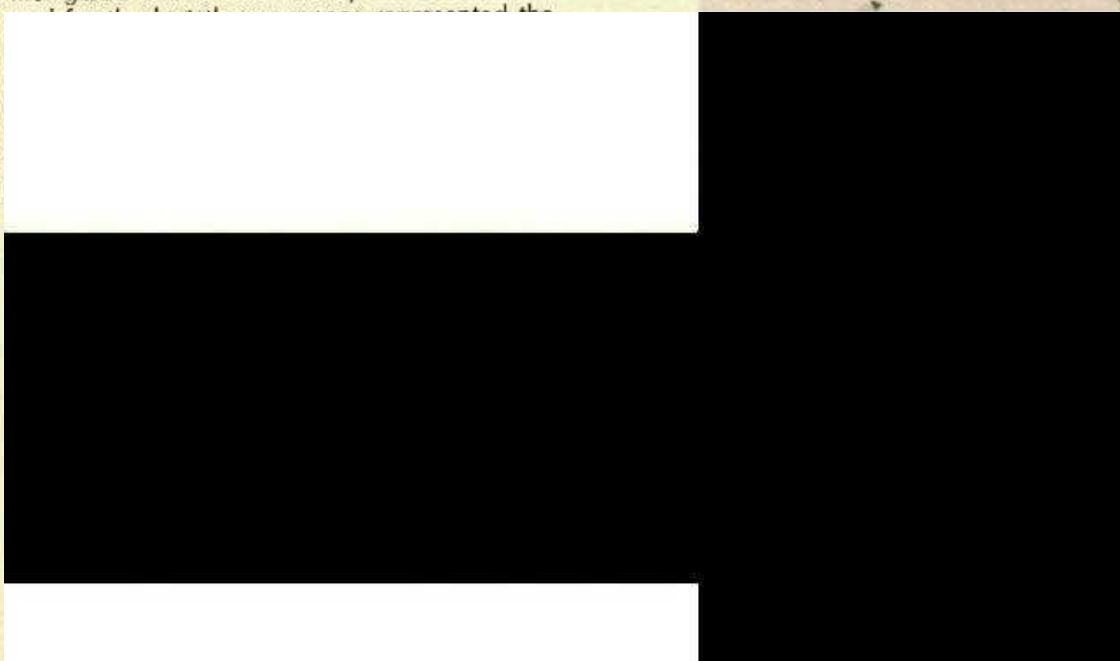
Nik Anikin's, new assistant in the Printing shop is Roy Taylor. He can be included among the elite of Bundanoon who keep S.P.C. going, as he has resided there for the past eleven years. He tried banking, psychiatric nursing, and car salesmanship, but now seems to have settled down with the printing machine, of course, previously he settled down in the domestic sphere with Heather, his wife.

Roy is very interested in sport. He plays first grade cricket and hockey for Bundanoon,



Col Glacken, Kiln Operator, Marulan, also sends many interesting photographs to the "Newsletter."

BELOW. a Euclid truck dwarfs a maintenance employee.





Bill Rutter Retires



Bill Rutter retired on the 12th of this month. He had been with the company for 42 years.

He started with S.P.C. on Tuesday, May 28th, 1929. The previous Friday, May 24th, the first kiln had been fired.

Bill came from Cockle Creek Cement Works, Newcastle. His first job was in the Stockhouse, where he worked on the bagging machine for about one year. During this time he bagged the first few thousand tons of cement produced at S.P.C.

He then moved to the Powerhouse, where he worked for about three years on the boilers and ash pits. In those days, all ashes had to be wheeled on side-tipping skips.

Then it was back to the Stockhouse for a while, followed by a period operating the coal and clinker crane.

When the Second World War started in 1939, Bill was asked to work in the Machine Shop. For five years he worked on the various machines, then he became Shift Fitter.

From fitting, Bill went on to Welding. He worked along with George Blackie for many years. Often they would come to work in the morning at Berrima, and before the day was out, end up at the Colliery or Marulan, sometimes working all night. The Colliery and Marulan did not possess welding machines at that time.

After about six years, Bill became leading hand. Altogether he was welding for about 15 years. He was then promoted to Assistant Maintenance Foreman, and remained in this position until four years ago, when he became Machine Shop Foreman.

Bill says he had dark brown hair when he first came to S.P.C., and when he left his hair was snow white! I wonder why?

On the afternoon of his last day at work, the 12th March, 1971, Machine Shop friends and apprentices presented Bill with a set of unbreakable crockery for use in his caravan.

That night, a farewell was held at Bowral Bowling Club.

On behalf of Bill's workmates, Bob Magnus presented him with a wallet of notes. Mr. L. Veal, Works Superintendent, representing the company, made a presentation of an inscribed gold watch and two cheques.

An extra gift from the Maintenance Department was a stand on which rested an inscribed fishing reel all of beautifully polished brass.



Mr. Don Duff and Mr. Neville Todd

Pictured below with Mr. E. Radnidge and Bill Rutter.



Retirement of Master of Apprentices at A.I.S.

Distinguished visitors to S.P.C. during March, were Mr. Neville Todd and Mr. Don Duff, of A.I.S. Mr Todd has been 25 years with A.I.S. He retired this month.

Mr. Todd played a large part in the development of the A.I.S. Apprentices' Scheme, and has been Master of Apprentices for many years. The scheme has grown until there are now 1,350 apprentices, 314 new apprentices of all trades were taken on this year.

At A.I.S. each trade has its own training shop, including its own offices and lunch rooms. The training shops for Mechanical, Boilermaking and Electrical are each larger than our Machine Shop at S.P.C.

Mr. Don Duff, who has been Mr. Todd's assistant for many years, will almost certainly be his successor.



Robyn Lynch and Bronya Dorahy,
new starters at General Office.



Michelle Pedersen, Switchboard and "Newsletter"
representative for the General Office.



Mr. Tom Bourne of the General Office commenced at S.P.C. 32 years ago. At that time there were only five working in the office, and they shared all the various jobs between them. Now there are 44 employees. Tom was Paymaster for many years, then Chief Clerk, and now he is serving as Staff Clerk.

Page 10



Terry Whatman, Paymaster. 22 years ago, Terry started out in the store. He was transferred to Stores Clerical which was also situated down in the plant at that time. Moving up to the General Office 12 years later, he went into timekeeping and also served as Compensation Officer. Thence he moved to his present position.



Gail Linton, Machine Room, General Office.

Mr. and Mrs Stanford on the wedding day. Mrs. Stanford was the well-known Alice Boyd of the General Office.



FISHY TALES

(by RUS GREAVES)

Pollution is a really dirty word! So much so, that much time and money is being spent endeavouring to find out what can be done about all the rubbish that mankind pumps into the sea.

We tend to think that the vastness of the seas would result in a diluting of all these wastes. Because of the nature of food chains, the reverse is true for some of these materials. We know much about the persistent insecticides such as D.D.T. and especially what happens in the food chains of lakes and rivers. I was interested to read a U.S.A. report on the very subject, with particular reference to Lake Michigan, which could be Lake Illawarra, or anywhere else!

The D.D.T. is washed from the sprayed fields, etc., into the rivers, and eventually gets into the lake and its bottom sediments. Here it seems dilute enough. In fact the concentration of D.D.T. in one place was measured at only 0.0085 parts per million! However, water from the lake is absorbed by plant life, and these plants concentrate the D.D.T. from the water to 0.64 p.p.m.

Plant life is eaten by small shrimp-like animals and they contain 0.4 p.p.m. Next in the chain are fish which contain 8 p.p.m., and last of all there are birds which eat the fish.. The herring gull concentrates the D.D.T. from the fish it eats so that in its fatty tissues the concentration is as high as 31.77 p.p.m. That is why living organisms have been called the biological amplifiers of poisons in the environment.

Men feed on fish from the lake. At one stage this was forbidden because of the unknown threat to man of such a high content of D.D.T. in his diet when he ate these fish. We know that man tends to concentrate the D.D.T. from his food in the fatty tissues in his body, but as yet we do not know what long term effect, if any, this may have on his well-being. Until we know for sure, the counsel is to be cautious.

Of course, the above remarks are only small fry compared with sewage, oil waste, detergents and industrial waste! N.B. Never drink sea water!



Mr. and Mrs. Chris Sonter. Mrs. Sonter is the daughter of Joe Lewis, S.P.C. loco driver.

BELOW: The Tawney Frogmouth Owl mentioned on the opposite page.



Nature Notes

(by CHRIS SONTER)

TAWNY FROGMOUTH AND BOOBOOK OWLS

I would imagine that just about every person who has driven a car after sunset, has, at sometime seen a fairly large bird, having a ghostly appearance, fly into the illumination of their headlights.

Usually the bird is gone in an instant, unfortunately they often make contact with the vehicle. This occurrence is usually during the warmer months of the year, when insects are attracted to street lights, and become an easy prey.

There are two species of birds which I am referring to here, the Boobook Owl and the Tawny Frogmouth. Both are fairly common in our district.

If one was to look up N. W. Cayley's book, "What Bird is That?" he would see that both the Tawny Frogmouth and Boobook Owls are called "Mopokes."

Much discussion and argument has raged around the call that is made. Some people suggested it was the Frogmouth which was responsible for the call Mopoke or Boobook, and others the Boobook.

However, it was the well-known naturalist and authority on Australian birds of prey, Mr. David Fleay, who worked out the problem. After keeping both species of birds in captivity, and under close observation for many years, he was able to come to the conclusion it was the Boobook owl that was indeed responsible for the call of "mopoke" or "boobook."

Probably much confusion was caused by the fact the species inhabit the same localities and have a similar diet. The Tawny Frogmouth is not a killer of small birds as the Boobook tends to be, but both have a diet that consists mainly of insects, mice and other small rodents.

I was once given a Tawny to nurse back to health after it had been shot through the

wing. It made a delightful pet, and was absolutely unafraid. These birds are remarkably harmless, and their only defence is their huge gape of yellowish-orange flesh that is seen when the beak is opened in alarm.

This of course is only done after camouflage has failed.

These birds spend their daylight hours perched motionless on a dead branch or similar object of the same colour as their own bodies. Unless one makes a sudden movement, the birds will not move a fraction of an inch.

Unlike the Boobook, their beaks are not made for ripping or tearing their prey, and their claws are not very strong with cruel talons for gripping and holding.

During the time I had the Tawny Frogmouth in my possession, I was able to make many more studies of the bird, however, lack of space forbids me giving details of them.

I can honestly say, with all due respect to other writers, that I never once heard my pet utter any call note of any suitable description.

A photograph of my pet is reproduced along with this article.

From two to four eggs of a watery white are laid in a poorly constructed platform, type of nest, on a horizontal branch in the forked part of the branch.

In our district the breeding cycle of the Frogmouth occurs mainly from late September to November.

DISTRICT APPRENTICESHIP ADVISORY COMMITTEE

On Tuesday, March 9th, Mr. E. Radnidge attended the Wollongong-Port Kembla annual meeting of the District Apprenticeship Advisory Committee. New officers: Mr. H. G. Sturday of Lysaghts re-elected Chairman. The three Vice-chairmen — Mr. W. Wilkinson, Principal of Wollongong Technical College, Mr. D. Duff, Master of Apprentices, A.I.S., Mr. E. Ramsay, Honourable Member for Wollongong. Sec.-Treasurer, Mr. R. Carter of Department of Labour and Industry, Assistant Secretaries, Miss R. J. Watt, Vocational Guidance Officer and Mr. O. Wunderlich, Deputy Principal of Wollongong Technical College. The publicity officers are Mr. M. Wayne, and E. Ramsay. The Apprenticeship Week for this area was fixed for 18th to 22nd October, to be held at the Town Hall, Wollongong.

Juniors Page

FAMOUS AUSTRALIANS

CAROLINE CHISHOLM

It's a strange thing, but we often miss interesting things, and people that are close at hand. I had to come to Australia to learn about Caroline Chisholm and yet I have many times driven through Northampton in England, where she was born and buried.

She was born in 1808, the daughter of a farmer, William Jones. She married Aachibald Chisholm when she was 22. Her husband was a Captain and served in India.

Caroline was the kind of person who always seemed to have the welfare of others at heart, and when she saw the young daughters of soldiers running wild, she started a school. This was in Madras.

In 1838 the Chisholms, now with two young sons, came to Australia. Migration was being encouraged by the British Government, and many young women and girls arrived alone. Caroline would go down to the dockside and the rougher parts of the town, and take as many of the girls as she could. She looked after them in her own home, until they found work.

She tried hard, for a long time, to get government help. At last Governor Gipps arranged for her to have a part of the old wooden immigration barracks. Here, she fixed up a home for female immigrants. Sometimes she had as many as 100 at a time.

She wrote to clergymen, magistrates and others, trying to find work for the girls. It became a registry office for employment.

When the first dray-load of girls were to be sent into the out-back they didn't want to go alone. They had heard so many tales about bushrangers, natives and snakes, Caroline had to go with them. At first she used to ride on the dray, later she went on horseback. She became a well-known figure on the 130-mile stretch of road between Sydney and Goulburn, and was never molested. She assisted 11,000 migrants this way.

Caroline also helped in getting passages

from England for wives and families of convicts, and also children who had been left in England by parents.

Later in Melbourne, she turned her mind and activities to the betterment of housing and working conditions.

She went back to England for the last time in 1866, and died in 1877 at the age of 69 years.

She was well-known and greatly respected by such people as Florence Nightingale and Charles Dickens, she proved a great encouragement to them, and many others.

JUNIOR SAFETY COMPETITION

Last month we asked for a list of five things you can do on the way to school, or while you are at school, that will help to prevent accidents.

The following two lists have won prizes of 50c each.

Grahame Dickson, New Berrima, age 10½ years:

1. Never run across the road behind the bus.
2. Always wait until the bus stops before getting on or off.
3. Look each way before crossing the road.
4. Never lean out of the bus windows.
5. Help small children across the road.

Cathy Brooks, Moss Vale, age 9 years:

1. Look both ways before crossing the road.
2. Do not ride your bike on the footpath.
3. If going to school by car, do not have any part of your body hanging out of the windows.
4. Obey the teacher or policeman on pedestrian duty.
5. Pick up any dangerous object, such as wire or broken glass and put carefully in bin or gutter.

Others have still a chance to win for next month. See if you can send a list of different safety measure you can take when on holiday. This is open to all up to and including 12 years of age. You could win 50c.

Industrial accidents cost Australia as much as \$1000 million annually and employers are laying out more than \$82 million in premiums for workers' compensation alone.

ooOoo

It's not hard to be a good husband, all you need to do is wash up when asked, and "dry up" when told.

ooOoo

The way to better your lot is to do a lot better.

ooOoo

The world is divided into three groups — the small one, which makes things happen; the larger one, which watches things happen; and the multitude, which never knows what happens.

ooOoo

Be happy with what you have and are, be generous with both, and you won't have to hunt for happiness.

ooOoo

"John Fuller, who was murdered at Goulburn finds ten men who thought of it before he did — but they only THOUGHT of it.

ooOoo

This headstone was photographed by Col Glacken, recently. He discovered it in the old graveyard behind Goulburn Jail — It reads:

"John Fuller, who was murdered at Goulburn on Jan., 23rd, 1980. Age 57 years. 'Consider Reader, when you look, How suddenly this soul was took, And see that thou prepare, lest Death should take you suddenly.'" Col says the word "murder" is not permitted on graves these days, and he had heard that some headstones have had the word chipped off. It is interesting to note that Goulburn has been spelt wrongly on this stone or maybe in 1840 it was correct. It appears to be an unblvd murder.

ooOoo

According to the "Kembla News" when the first computer was installed at A.I.S. the computer boys composed and erected the following warning sign, and it worked.

"Achtung! Alles Lookenpeepers." Das Computermachine is nicht fur gefingerpoken and mittengraben. Is easy schnappen der springenwerk, blowenfuser, and Poppencorken mit spitzensparken. It nicht fur gewerken by das dumpkopfen. Das rubbernecking sightseeren Keepen hands in das pockets — relaxen and watch das blinkerlights."

When a plumber makes a mistake, he charges twice for it.

When a lawyer makes a mistake, it is just what he wanted, because he has a chance to try the case all over again.

When a carpenter makes a mistake, it's just what he expected.

When a doctor makes a mistake, he buries it.

When a judge makes a mistake, it becomes a law of the land.

When a preacher makes a mistake, nobody knows the difference.

But when an editor makes a mistake . . .
B.H.P. NEWS

ooOoo

Kids today have it tough. Where they used to walk to school and keep warm by running part of the way, now they stand and shiver waiting for a bus.

ooOoo

"Have a hard day at the office?" asked the wife of her weebegone husband. "Awful, just awful. The computer broke down, and we all had to think."

ooOoo

The tragedy of ulcers is mainly that you can have them and still not be a success.

ooOoo

"If you want to be a big shot, my boy, you've got to be fired with enthusiasm." "But I have . . . from my last three jobs anyway."

ooOoo

ABORIGINAL TRIBAL GROUND

"Fairlight," an ancient Aboriginal Tribal Ground, has recently been opened to tourists, four miles south of Mittagong, on the Hume Highway.

The area covers more than 20 Oacres of bushland where the "Gandangara" tribe are believed to have roamed until 1866.

Caves, rock carvings, corroboree ground and aboriginal workshops where artifacts were made are some of the sights to see at "Fairlight." Evidence of the tribal movements, way of life and customs may be observed. Boomerangs and aboriginal wood carvings are available for sale.

Requests to see over the ground can be made to "Fairlight," Box 154, P.O., Mittagong, N.S.W. 2575, or by telephoning Bowral 970.

Gardening Notes



(by MRS. C. C. CROWE)

FLOWERS: Sow — Antirrhinum, Alyssum, Aquilegia, Calendula, Candytuft, Carnation, Centaurea, Clarkia, Godetia, Gypsophila, Larkspur, Lupin, Nigella, Sweet Pea, Virginian Stock, Wallflower. Plant — Bellis perenis, Calendula, Iceland Poppy, Pansy, Primula, Polyanthus, Stock, Viola, Wallflower. Spring-flowering bulbs such as Daffodils, Hyacinth, Jonquils, Tulips, Anemones, Ranunculus.

VEGETABLES: Sow — Broadbeans, Carrots, Parsnips, Lettuce, Onions, Parsley Peas, Radish, Spinach, Herbs. Plant — Eschalots, Garlic, Rhubarb, Lettuce, Onion, White Turnip, Cabbage, Cauliflower.

March . . . and already the leaves of some trees are showing Autumn colour and the fruits of Hawthorns and Crab Apples are colouring, inviting the attention of Gang Gang Cockatoos and Rosella Parrots.

February was again a very wet, humid month, bringing along moulds and mildews in quantity. Use a good fungicide to control these. Watch any spots under the shelter of trees in the garden, as many of these have dried out and need a good watering once a week. Take out Summer-flowering annuals and having dug and manured the soil, leave a week or two and plant out Winter and Spring-flowering plants. Work out colour schemes and see that shade-loving plants are in the right positions. These include Primulas, Lobelia, Viola, Pansy, Primrose, Polyanthus, English Daisy, Wallflower, White Stocks, Linaria, Antirrhinum, Calendula, Carnations and Sweet Peas prefer sunny positions.

Sow lawn grass seed this month, keeping the surface moist to help the seed to germinate. Renovate old lawn this month, loosening the soil in places where the lawn is thin or the grass not growing, and adding fertiliser and enough grass seed to cover up these spots.

Lift Gladioli corms six weeks after flowering and hang up until they have thoroughly dried out. Remove the dry leaves and stalks and dead outer skins and store on a dry shelf or on trays.

Remove any old vegetable plants from the garden and burn them if they have had disease. Dig over all vacant ground and either manure or lime, ready for the next crop. These beds may be planted with new vegetables about a fortnight later. Cultivate growing crops to keep down weeds. Spray hedges which are being attacked by caterpillars with "Bug-geta" or "Bugmaster." These sprays may be used for any chewing insects, too.

SAFETY SLOGANS PRIZEWINNERS

Judges this month: Mr. A. van der Mol-
en, Purchasing Officer, Mr. B. Madden, Stores
Clerical, Mr. G. Anderson, Production Cost
Clerk, and as usual Mr. L. Humphries, Safety
Officer.

First prize: \$3.00, Mrs. M. Roach wins
again — **There is NO SUBSTITUTE FOR "SAFE-
TY."**

Second prize, Roger Seville, wins \$2.00
for **Today's Safety Programme Is Tomorrow's
Insurance Policy.**

Consolation prizes, \$1.00 each:

Mrs. J. Dickson, **Safety means care, Care
for Safety.**

Mrs. C. Chambers, **Think, act and prac-
tice Safety, It helps to make life a surety.**

Miss E. Knowlson, **An ounce of preven-
tion is worth a ton of compensation.**

Mrs. E. Radnidge, **Safety is the slogan at
S.P.C. It keeps the flag flying with accidents
free.**

Miss Chris O'Neill, **For Safety measures,
Use a large spoon.**

Try your hand at Safety Slogans. Clos-
ing date for entries: 14th April.

ooOoo

Larissa Anikin, age 7 years, sent in this
entry for the safety in the home competition.
It arrived late, but the ideas are good, and she
will be awarded 50 cents along with the
others.

1. Always hand scissors to someone with
the points away from them.
2. Do not put a saucepan handle over
the stove, it gets hot.
3. Don't touch an electrical cord unless
you turn off the switch first.
4. Don't let little ones get the matches..
5. Don't leave bottles of medicine or tab-
lets where your baby brother or sister
can reach them.

NEWSLETTER QUIZ

If you read last month's issue, can you
answer the following without checking up?

1. In what year did the Australian Cem-
ent Manufacturers' Association institute
the competition for safe working?
2. Who developed the Transceiver for the
Flying Doctor Service.
3. From what did Clifford Howard get the
idea of a rotary hoe?
4. In what year did the Spanish Armada
sail up the English Channel?
5. In what month do slugs and snails lay
eggs?
6. Who retired from the Colliery 24 years
ago?
7. How many times has Berrima won the
Safety Competition?
8. In what century was tobacco smoking
introduced into Europe?
9. What S.P.C. employee recently built
a 12' fishing boat?
10. Who built the historic church at Two-
fold Bay? About what year was this?

QUIET VERSES

The following verses by Alexander
Pope are justly famous. They are entitled "Sol-
itude," but I personally think that "Content-
ment" might describe the verses equally well.
Happy the man whose wish and care
A few paternal acres bound,
Content to breath his native air
In his own ground.

Whose herds with milk, whose fields with
bread,

Whose flocks supply him with attire;
Whose trees in summer yield him shade,
In winter, fire.

Blest who can unconcern'dly find
Hours, days, and years slide soft away
In health of body, peace of mind,
Quiet by day.

Sound sleep by night; study and ease
Together mixed; Sweet recreation,
And innocence, which most does please,
With meditation.

Thus let me live, unseen, unknown;
Thus unlamented, let me die;
Steal from the world, and not a stone
Tell where I lie.

OUR PROBLEM PAGE

Sixteen correct entries were received. Mr. Cec Warner drew the winners. They are as follows: First prize, \$2.00. This went again to Mrs. A. J. Shepherd, "Wavley," Hume Highway, Marulan. Mrs. Shepherd won first prize last month; Second prize, \$1.00, Mrs. E. Radnidge, Welby; Third prize, \$1.00; Mr. Bill Brooks, Powerhouse. As there were so many entries, the prize list has been extended. Closing date for this month's Crossword is April 14th. Any entries arriving after this date cannot be considered.

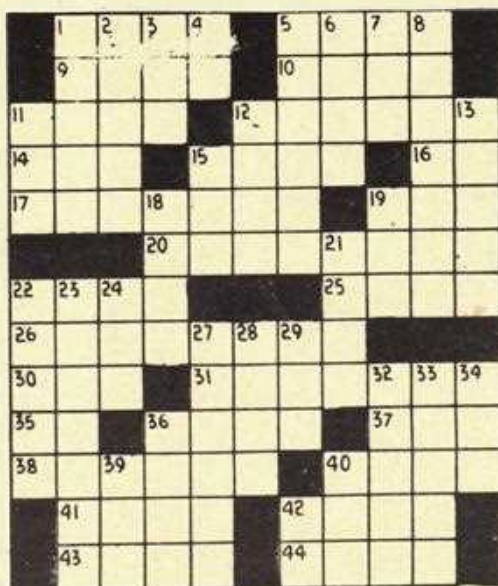
ACROSS

1. Blemish
5. Metered cars
9. Petition
10. Verbal
11. Cravats
12. Golf club
14. Upstanding figure
15. Indian mulberries
16. Act
17. Sideways
19. Turkish title
20. Casey and Kildare, at one-time
22. Suture
25. Put out
26. Bunches
30. Antlered animal
31. Acquaints, as the freshman class
35. Nickel: sym.
36. Group of two
37. Exclamation of surprise
38. Spartan magistrates
40. Copied
41. Rational
42. Wee is me
43. Looked at
44. Well-known Nathan

DOWN

1. Revolves
2. See 12 across


3. Roman money
4. Sun god
5. Dam's name, in part
6. Music, literature, etc.
7. Cudgel
8. Heavy hammers
11. Samoan warrior
12. Agreement
13. A cut of meat
15. Girl's name
18. Goals
19. Sky-god
21. Alie's girl
22. Setting
23. Geometric path
24. Diving bird
27. Journeyed
28. Epochs
29. Free
32. Prickly pear
33. The things here
34. Turf
36. Describing 13 down, perhaps





MONTHLY NEWSLETTER

SOUTHERN PORTLAND CEMENT LTD.
MARULAN - BERRIMA - MEDWAY - SYDNEY



S.P.C. MONTHLY NEWSLETTER

- EDITOR:
C. W. Knowlson



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FISHING NOTES
R. Greaves

GARDENING NOTES

Mrs. C. C. Crowe

HOMELOVERS CORNER

"Homelover"

Miss H. Ferrier

PHOTOGRAPHY:

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COPY DEADLINE—

1st of Month.

Editorial

A MATTER OF LIFE AND DEATH

In spite of all that has been done to keep death off the roads the toll goes on. There are various causes of accidents, but the most common are excessive speed and intoxicating liquor. How often does a report read "failed to negotiate a bend." Travelling at the right speed, it takes no great feat of driving to negotiate a bend.

This Easter was no exception. In N.S.W. 25 people who finished work on Thursday, 8th April, hoping to enjoy a happy Easter, are now dead and buried. Many others are injured, some crippled for life. With extra care many of these crashes could have been avoided.

Four thousand motorists were charged with speeding in four days. 285 failed to pass the breath tests.

Mr. Henry Ford II, on his recent visit to Sydney said: "Most people would rather have a cheaper car than Standard Safety Items."

Take the matter of safety belts. Some drivers have belts fitted but just don't use them. It is that sudden stop that proves the value of the belt. In a panic stop, from 50 m.p.h., with average brakes, a person weighing ten stone will weigh 100 stone, and that half a ton or more hitting the dashboard is quite a crunch.

It would seem that a great many people just don't want to live or enjoy the blessing of being physically fit.

We at Southern know the value and profit of safe working but when we go on holiday do we "play safe?"

We need to be "SAFETY CONSCIOUS, EVERYWHERE ALL THE TIME," and so live our span of life as our Creator planned.

—THE EDITOR

Heard on the Grapevine

BERRIMA

Len Kerslake, Miller, brought into the office an apple from one of his trees. it was a kitchen cooker, or what is known as a 22 oz. It had lived up to its name, it weighed 23ozs. and measured 15½ inches around. He called in again to let me know that he had a larger one since, it weighed 24ozs and was 15½ inches around.

ooOoo

Doug Donaldson called in to see us at the office. He retired from the power house about two years ago. He was employed by S.P.C. for 27 years.

ooOoo

At the powerhouse, Alf Knapman tells me when on his holidays at Yamba he just couldn't catch any fish. We discovered the reason. Jack Bloomfield had been there previously and caught the lot!

ooOoo

Mark Vermuelan also had a break, and Frank Smith had an enforced "rest" with mumps — he is now back again.

ooOoo

Allan Mathison brought in a selection of cuttings from the daily newspapers of New Plymouth, New Zealand. Alan who has worked as fettler, yard labourer, and also deputised many times on the mail run, is well known at Berrima plant. His daughter married a New Plymouth taxi proprietor and she recently wrote to dad about the worst ever floods in New Zealand. They occurred in February. Fourteen inches in 24 hours. Some streets in the town centre were two feet deep in muddy water. Two men in a taxi service office were marooned and received breakfast by roof. Allan explained to me that the town is built over a river. The flood water came up through the man holes and through shop basements and in some cases plate glass windows had to be broken in order to get the water away. This resulted in a rush of water carrying furniture and other goods out to sea. The cost of it all, well over \$1 million.

Jim Ramsay's daughter, Patricia Beryl, was married on Easter Saturday to Clive John Clarke of Crookwell. We wish them every happiness. Jim now has four sons-in-law.

ooOoo

We were all happy to see Michael Barcicki back at work after a long absence due to a motor accident last August.

ooOoo

Glad to hear that Eddie Johns of the General Office is out of hospital. By the time this is in print, we hope he will be fully recovered.

Tom Waide gave us some news about two of his sons. Robert in New Zealand has been promoted to sub-foreman. He has recently been supervising the installation of switch boards, etc., in a new plant being built at Luvai Pt., Invercargill, South Island. Robert and his wife are very proud parents of a new baby girl, Lisa Maria. Tony came home from Vietnam on 16th March on his first leave. He has now returned and will be stationed at Vung Tau, until he comes home in June. "He looked very well, and we certainly were all very pleased to have him home safe and well for only a little time," said Mrs. Waide.

ooOoo

Reg Larsen spent two weeks annual leave on the South Coast.

MARULAN

On annual leave in April will be Geoff Bell, Fitter and Turner, D. Hill, Quarry, Hoare, Garage, F. Bell, Lorry Driver, W. Cranp, Conveyors, K. Allen, Hydration Plant.

ooOoo

Wollongong Gliding Club, at South Marulan, has been very active during the last few weeks. Several attempts on long distance gliding have been made, and it is reported that one glider flew from Marulan South to Yass and returned, landing safely again at Marulan South. They think it is close to a record. Another glider from Camden, was given a lift at Marulan and glided home to Camden, landing safely.

Peter Galloway, Electrical Apprentice now in his fourth year, announced his engagement to Wanda Bell, daughter of Bruce Bell of Marulan, on Friday, 26th March. Best wishes for the future, Peter and Wanda.

ooOoo

Mr. and Mrs. Eddie Cooper are the proud parents of a son, born on 8th March. This is their second child. Mother and son are progressing favourably.

ooOoo

Owing to fog and drizzle a large Air Force helicopter was forced to land on the Ampol parking yard at Marulan on Saturday, 26th March. After two hours the fog began to clear and the 'copter took off again. Seeing a car accident on the Hume Highway, the helicopter crew landed, took the injured victims of the crash, and landed them at Goulburn Base Hospital.

ooOoo

E. Rumsey who finished his apprenticeship as a Fitter and Turner, took advantage of his holiday to get married. His bride was Miss Christine Casey of Goulburn. We wish them every happiness for the future. Unfortunately, by the time this is in print, Eric will have started his National Service.

ooOoo

Mr. and Mrs. Max Koschenow have recently announced the engagement of their eldest daughter, Nadia, to Frank Johnson who comes from Sydney. Nadia is training at the Teachers' College, Goulburn, and Frank is Divisional Engineer for the Railways at Narrabri. The couple will be married when Nadia finishes her course in May next year.

ooOoo

Others who returned from leave at the end of March, were — Geoff Buchanan, Kiln. Tony Kirk, Grader Driver, Barry Armitt, Quarry Assistant Supervisor.

ooOoo

Still on the sick list, but on long service leave is Ray Bell, Euclid driver, and Laurie Weston End-loader driver.

B.H.P. Wages Employees' Retirement Fund

The Trustees of the Fund have decided to increase the maximum weekly contribution rates.

The new maximum rate will be available to members in the first pay period commencing after 1st May, 1971. That is the pay period commencing 2nd May, 1971.

It has also been decided to increase the minimum Death and Permanent Incapacity cover.

All members by this time will have received copies of the new schedules.

Those who are not yet members and who would like to join, please contact Mr. Tom Bourne, Mr. Reg Larsen or Mr. Bert Garbutt. You will then receive all information and a copy of the new schedule.

Marulan Bowling Club

Sunday, 4th March was Naming of the Green day.

Visiting teams of four players came from Gunning, Goulburn, Canley Vale, Bowral, Mona Vale, Bargo, S.P.C. Berrima and other centres, 26 teams in all. The Southern District President, Alan Perie was also present.

Number One Green was named the John McNicol Green, and Mr. McNicol bowled the first Jack and Bowl. A suitable piece of limestone with an engraved plate inset, was placed by the green.

The greens were in immaculate condition much to the pleasure of all players.

The spider was won by Ray Broadfoot, the then president of Bowral Club, who was deemed the best player of the day. All proceeds from the spider were donated to the Goulburn Crescent School for handicapped children.

Winner of the trophies was the S.P.C. team composed of Kevin Howard, B. Jones, Bill Rutter and B. Hoffman.

A very enjoyable lunch and high-tea was served in the hall, by a band of volunteer ladies. Our thanks go to them for helping to make the day so enjoyable.

As Marulan South has no paid green-keeper, our thanks must go to Mr. Tony Cosgrove, whose knowledge and voluntary efforts keep our greens in top condition, equal to any in the district.

MARIJUANA

Recently, an Australian Senator said he thought the evils of marijuana may have been exaggerated.

What are the facts?

In the first place marijuana is a drug that affects the mind. It is obtained from Cannabis, the female hemp plant. It is known by various slang names, "the weed," "pot," "stuff," "Mary Jane," "tea," "Indian Hay," "grass," and so on.

According to a book by Louis S. Goodman and Alfred Gilman, "The Pharmacological Basis of Therapeutics" a common reaction when the drug is smoked is the development of a dreamy state, with disconnected and uncontrollable ideas, larger doses bring vivid hallucinations, often related in some way to the user's personality. The "high" feeling as it is called, may bring uncontrollable laughter, often followed by a moody reverie, sometimes a depressed mood is the first reaction. Larger doses often bring panic and fear of death. The body image may seem distorted, the head feels swollen, there may be illusions a feeling of a dual personality, and so on.

Included in many statements from actual marijuana users were the followings: "Marijuana prevents me from driving a car or operating machinery normally, it slows me down, I get into a panic, I didn't take things seriously. It made me lazy. I was arrested for lots of things when I was high. I did fifteen robberies, I used to get high first. I just want to be left alone where I don't think people are spying on me. I dropped out of school. I don't care about anything. It made my throat raw and I had hallucinations. I kept trying to brush a spider off my shoulder. It numbed my brain. I could not think right."

Detailed investigations in all parts of the world, have shown that long term users of the cannabis drugs all fall into a sluggish pattern of life. Lethargic, non-productive lacking in drive and ambition. Marijuana induces lethargy, and lethargy craves marijuana.

One of the most insidious perils is that those who purchase pot never know what other drug may have been introduced, a group of students bought some marijuana and analyzed what they had obtained, they found it

was spiced with black opium, which may turn users onto stronger drugs. L.S.D. and other drugs have been introduced this way. Eventually the pushers have hooked many more onto the more addictive drugs.

To quote one heroin addict, "If I hadn't taken pot, I wouldn't have known how to get heroin or how to use it."

Dr. Allan Cohen gave his experience in an article in the "Los Angeles Times," April 4, 1969. He says: "Less than six years ago I urged all my friends to turn on . . . we thought that marijuana and hashish were probably even good for us. Well we know better now . . . Some things are already clear. Research in Kentucky suggests that THC (active agent in marijuana) is a psychedelic drug — by weight it may be stronger than any psychedelic except LSD."

"Back in our little psychedelic community, I could not help realising that drugs do not make better people, there was still laziness, arguments, lack of consideration, sexual jealousies and fear. It added up to psychedelic hypocrisy."

"I have observed that drug users (myself included) did not live any more spiritual lives, although they thought they were spiritually aware persons."

Here is the testimony of a parent:—

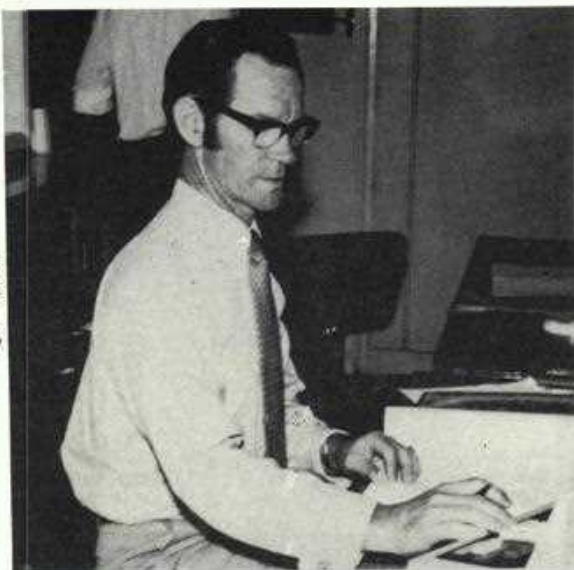
"I do not need scientific proof to see what damage marijuana can do, I watched my son travel the typical road to ruin, from a student who enjoyed music, drama and sports — to a useless, filthy school dropout, with no other aim in life than to live in a carefree dream of distortion . . . my son's continued defiance is definite hinderance to his return to normal."

This young man is defiant because he thinks he is right, like many others. Meanwhile, parents, loved ones, friends, neighbours, and society as a whole suffer because of it.

Much more could be written, but the best advice is to shun marijuana like the plague.

Much of the information used in this article was gained from the booklet "New Facts about Marijuana" prepared and published by the Ambassador College Research Department.

RIGHT . . . Ron Budden, of the General Office, has served for 22 years. For 17 of those years he has been in the Time Keeping Section. What Ron doesn't know about his job isn't worth knowing.



PURCHASING DEPARTMENT — BERRIMA

Our Purchasing Officer, Appy Van der Molen comes from Holland.

After finishing his university education in 1933, he joined Philips Industries as a cadet, where he was trained in the purchasing field until 1937. He was then employed as one of this company's 25 purchasing officers.

He enjoyed this position until 1952 when he decided to leave Holland, and make a new

home with his family in Australia. Work was hard to get and he was employed in various jobs until joining S.P.C. in 1955.

For six months, Appy assisted Mark Jones before becoming purchasing officer.

Appy's typist is Mrs. June Casta who has previously worked in various other departments of the General Office.



PHOTO CAPTION COMPETITION

A NUMBER OF INTERESTING
AND HUMOROUS ENTRIES
WERE RECEIVED.

BELOW: Easter wedding, Mr. and Mrs. C. J. Clarke.
Mrs. Clarke is Jim Ramsay's daughter.

First prize, \$1.00, Alan King, General Office . . .
(One boot to another) "WELL CHARLIE, MY MASTER ENDED
UP ON BOOT HILL TOO, HE THOUGHT SAFETY WAS
NOT WORTH IT."

One consolation prize of \$1.00 to Mrs. B. Seville
... "WHERE HAVE ALL THE YOUNG MEN GONE?"

The following did not receive prizes, but were very
close: Mrs. M. Roach, "These boots were made for walk-
ing, and that's just what they'll do!"; Mrs. B. Dorahy:
"Wanted: Eight young men to fill important positions.
Apply, S.P.C. Ltd."

The following two entries arrived too late to be
included in the judging, but they are good, and we are
glad that we can reproduce them here . . . Mrs K. L.
Delderfield, Marulan South, "That was a heck of a blast."
Mrs. M. Hadlow, Cooper Crescent, Marulan South, "These
boots were made for working."



Alan Savage presenting Bill Rutter with the gift from Machine Shop friends and Apprentices in the
Apprentices' Room last month.

Nature Notes

(By CHRIS SONTER)

In the realm of nature we can see many examples of creatures living in harmony with other creatures, such as the little anemone fish that depend on the sea-anemone for protection and food and vice versa.

Of course not all creatures are so closely associated with each other, but nevertheless there is some kind of relationship, whether it be for food, protection, or companionship.

Quite often small birds will nest beside a wasp or hornets nest for protection, and again, it's not unusual to find small birds sharing the lower sections of a bird of prey's nest.

Jackals and hyenas will nearly always be found in the vicinity of a pride of lions, this time, not for protection, but for scraps of food that are left over from a kill made by the lions.

Let's come a little closer to home, and see how the Berrima district is host to a very strange association of a little reddish-brown bird and a rock formation known as Hawkesbury Sandstone.

The bird is known as the Rock Warbler or Rock Robin (*Origina Solitaria*).

The range of this species is relatively small, as it is found mainly in the sandstone regions and adjacent limestone belts.

The Hawkesbury Sandstone, starting a little north of Newcastle and continuing just past Milton on the South Coast. The bird not being found west of the great dividing range.

I have observed the bird inside the caverns at Wombeyan Caves. This would probably be the extreme point of its range.

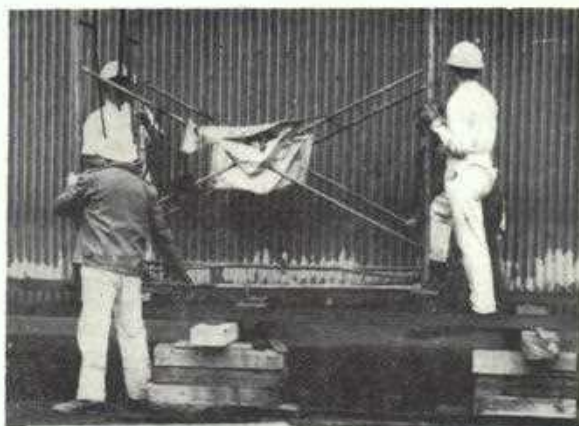
Evidently the sandstone supports an abundant supply of insect life necessary for the Rock Warbler to live on. Also the sandstone affords the birds ample nesting sites in the weatherworn caves and formations. These little rockdwellers are found in pairs or small family parties and are easily recognised, as they can be seen "walking" up sheer rock faces. They are extremely nimble and "mouse-like" 'one minute you will see one fly into a narrow crack in the rock only to emerge seconds later from an entirely different one.

The dome-shaped nest is suspended from the roof of a cave, mine shaft or ledge. Recently I discovered a nest hanging from the end of a rafter on a shed that was built very close to a rock face. Spiders silk, plant down and dried grasses are used in construction. The nest is hung by a thin strip glued to the roof with saliva. Three to four brightly spotted eggs from the clutch. Breeding season is from August to December.



This headstone was photographed by Col Glacken, recently. He discovered it in the old graveyard behind Goulburn Jail — It reads:

"John Fuller, who was murdered at Goulburn on Jan. 23rd, 1840. Age 57 years. 'Consider Reader, when you look, How suddenly this soul was took, And see that thou prepare, lest Death should take you suddenly.'" Col says the word "murder" is not permitted on graves these days, and he had heard that some headstones have had the word chipped off. It is interesting to note that Goulburn has been spelt wrongly on this stone or maybe in 1840 it was correct. It appears to be an unsolved murder.



These pictures of our Berrima painters, were taken during the re-painting of our safety sign "Safety everywhere all the time." Bill Strong is seen on top of the thirty-foot scaffolding. The letters are five feet high, and the sign is one of the largest, if not the largest signs in this area, being 110 feet long. It could also be said that it is one of the most important signs.





Berrima plant has twins

They are David and Stuart Easter. Both emigrated from England with their wives.

David in 1967 by air, and Stuart in 1969 by sea.

Stuart is a forklift and traxcavator operator and David, spare shunter and cleaner..

They were born at Wakefield in Yorkshire. Yorkshire is the largest County in England and Wales, 6,000 square miles with a population approaching five (5) million.

Yorkshire is divided into "ridings," — A "riding" is an administrative division. Wakefield is in the west riding which is an area engaged mainly in mining and farming. The West Riding Constabulary has its headquarters at Wakefield.

The twins went to school in an area of Wakefield called Sandal. The ruins of Sandal Castle can still be seen. During the 30 years, Wars of the Roses, the "Battle of the Roses" was fought at Candal in the year 1460. The Duke of York, leader of the Yorkists, who sported the white rose, was captured and later beheaded.

When David and Stuart started work, they assisted their father who managed a farm for a Mr. Bert Smith. Mr. Smith came to Australia in 1966 and settled in Moss Vale. David came out to work for him on the farm.

The twins are very keen cricketers and

tell with pride of the many famous cricketers from Yorkshire. Len Hutton, Sutcliffe, Holmes, Trueman, Boycott and Illingsworth, who captained the recent victorious team to Australia.

The Wakefield rugby league team, Wakefield Trinity, reached the finals at Wembley three out of four years during the early 60's, and came home victorious each time.

Both David and Stuart started at S.P.C. within one month of each other later last year. They both enjoy working here and say they have made many first-class mates at S.P.C.

THOUGHTS FROM THE BEST SELLER

"Create in me a clean heart,
O God,
And renew a right
spirit within me."

Editors Notebook

—WET WEATHER BREAKDOWNS

The N.R.M.A.'s road service division reports that many thousands of cars have broken down in the recent heavy rain and humid weather as a result of "wet ignition."

Wet ignition usually results from water getting into the vehicle's ignition system or by condensation occurring around the distributor. The N.R.M.A. says delays and frustrations from wet ignition can be prevented by regularly wiping the ignition system, coil, wiring, distributor and spark plug insulators clean of oil and dust, and by replacing wiring as it cracks and perishes.

Great care should be taken when cleaning the spark plug wiring, because most modern cables are so constructed (carbon-cored) that the passage of electric current will be impaired if the wiring is stretched, bent, twisted or otherwise roughly handled. (This type of cable is used to reduce electrical interference).

Motorists can facilitate "wet weather starts" by ensuring that the battery (the "heart" of the vehicle's electrical system) is maintained in good condition.

The battery terminals should be clean and tightly secured to the battery "posts," to the starter motor terminals and the "earthing" position on the engine or chassis frame. The electrolyte level in the battery should be properly maintained by adding distilled water, and the battery casing, and the top area should be kept clean and dry. It is important to remember that a battery is weakest when it is cold and wet.

A starter motor that sounds a little slower in turning the engine over from day to day is developing trouble either in the battery itself or in the charging system. It should be checked immediately when these symptoms develop.

A loose fan belt is often the cause of low battery charging because it drives the generator that provides the current for maintaining the battery in a satisfactory state of charge.

Plugs and ignition points should be checked and adjusted. If the plugs are badly worn it is worthwhile having them replaced after 15 - 29,000 miles.

If a vehicle has an electric fuel pump and has been standing for a long period in an exposed wet position, it is advisable for a driver to wait two or three seconds after turning the ignition switch to the "on" position before completing the key movement to start the engine. This will ensure that the carburetor is supplied with fuel, and will obviate needless starter-motor action.

Some proprietary water repellents on the market are useful for waterproofing the ignition system and can be a great help in dispersing water from an already wet ignition system.

—NEW HAWKESBURY BRIDGE

The Minister for Highways, Mr. P. H. Morton, announced recently that the Commissioner for Main Roads has accepted a tender of \$2,966,848 from the Hornibrook Group, for the completion of a new bridge over the Hawkesbury River on the Sydney-Newcastle Expressway. When combined with the cost of the bridge foundations, which will be finished in mid-February the total cost of the project will exceed \$4.3 million.

The bridge has been designed as a six-lane steel and concrete structure, 2,016 feet long and will be immediately upstream from the existing bridge.

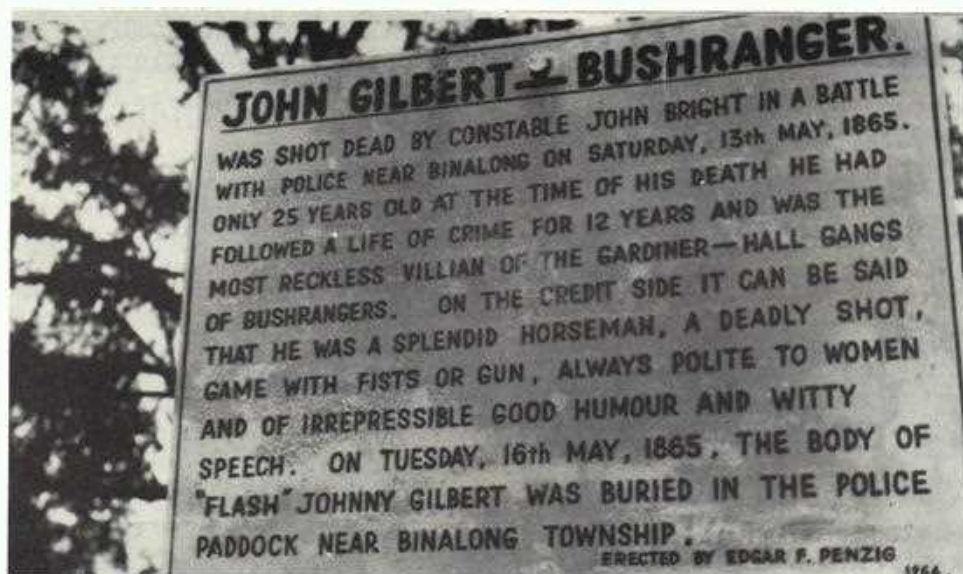
Its foundations are among the deepest piled bridge foundations in the world, having been sunk to solid sandstone bed rock up to 278 feet below water level.

When completed, the bridge will link the sections of the Expressway North and South of the Hawkesbury River, and give motorists an uninterrupted drive of 16 miles from Berowra to Calga, paying a toll at one point only.

Of course, the old bridge will be retained for use by traffic on the Pacific Highway.

The new bridge has been designed by the Department of Main Roads and is expected to be completed in mid-1972.

Mr. Morton said the next part of the Sydney-Newcastle Expressway to be constructed were the bridge over the entrance to Lake Macquarie, East of Swansea and a section from Ourimba to Doyalson.



ABOVE AND BELOW . . . A story in pictures
by Col Glacken.

We regret that the following information regarding new starters whose photographs appeared last month, was inadvertently omitted.

Mrs. Bronya Dorahy started work in the General Office on the 24th February. She has taken Robyn Mathewson's place on the Calculator. She was previously employed at Berrima District Meats.

Mrs. Irene Durbridge is a new starter in the Machine Room. It is her first job since arriving in the district 12 months ago. Irene's husband is well-known Bowral footballer, Chris Durbridge.

Miss Robyn Lynch, who also started in February, has taken Robyn McIntosh's place as punch card operator in the EDP Department. Robyn originally came from Leeton, and worked at the Rice Marketing Board before her arrival in the district 4 months ago.



Juniors Page

THREE MORE FAMOUS AUSTRALIANS

The first of our trio is **Donald George Bradman**. He was born at Cootamundra, New South Wales. From a very early age it was evident he had more than average skill as a cricketer. When he grew to manhood he represented Australia in test matches over a period of twenty years. For twelve years of this time he was captain of the team. During this period he established many records, and in the annals of cricket, he is reckoned as the world's greatest batsman of his time. In 1949 he was awarded a knighthood for his services to the game.

Robert Murray Helpmann became famous in the world of ballet. He was born at Mount Gambier, South Australia. He appeared first as a solo dancer on the stage of the Theatre Royal, Adelaide. Later in London he became premier danseur (first or most important) of the Sadlers Wells Ballet in London. He also became famous as a choreographer (or person who puts together the steps that form a pattern of a ballet). He has been responsible for many successful works. He also made a name for himself as a stage producer, a Shakespearean actor and on films.

Eileen Joyce, who was born at a place called Zeeham in Tasmania, became one of the world's most famous concert pianists. She studied for some time in Germany, and then made her debut in the London Promenade Concerts, under the baton of the famous conductor, Sir Henry Wood. She appeared with all the principal orchestras of the United Kingdom and in Germany, France, the Netherlands, Italy and the U.S.A. She also made many concert tours, in Australia, South Africa, Scandinavia and South America. Her piano playing has been recorded on the sound tracks of several films.

Why does an Iceberg Float?

When anything is cooled it contracts, or gets denser, that is, it is heavier in proportion to its size. If this were so with water, ice would have to sink, but water is an exemption. At first, as water is cooled, it does contract, down to four degrees Centigrade above the freezing point. But from this point downwards, water begins to expand instead of contracting, so that ice is slightly lighter than the water around it. It allows an iceberg to float with about seven-eighths of itself below the surface of the water, leaving one-eighth above the water.

Icebergs sometimes rise two or three hundred feet above the water, so with seven times as much below, we can get some idea of the enormous mass of ice in the larger icebergs.

WOLLONGONG'S ADVENTURE VILLAGE

Fire engine rides and a "western" saloon are among the attractions at "Adventure Village," which has been opened at Figtree just south of Wollongong.

This \$100,000 project, covering six acres of bushland is only a short distance from the historic giant figtree on the Princes Highway.

"Adventure Village" can comfortably cater for 750 people with parking space for 60 vehicles.

It has two swimming pools, an "Indian Village" a "western" saloon, trampolines, barbecue facilities, a restaurant bistro, stationary paddleboat, canoeing, vintage fire engine rides, tractor rides, creek swimming and an abundance of wildlife.

N.R.M.A. NOTES

A REEF OF JUNK

The biggest artificial reef in the southern hemisphere has been completed at Hervey Bay near Maryborough — using old car bodies, chunks of concrete and tyres wired together. The junk reef will help fish breed. Since work began on the reef two years ago more than 70 varieties of fish have set up home there.

S.P.C. EMPLOYEES' CREDIT UNION LTD.

NEW ADDRESS:

405 ARGYLE STREET, MOSS VALE

The big news this month is the opening of our Moss Vale office. The aim behind this move is to provide members with a more convenient service as well as to gain much needed space for our office staff.

Membership is well over 560 and is increasing steadily. This is not so surprising when you realise that credit union charges and loans have not risen since 1946. One percent per month, or to quote a friend of mine who is a stickler for truth in advertising "12 per cent per annum true yearly rate" is not as it would appear a high price to pay for finance.

The only way to fully understand interest rates is to compare one with another.

For example — True interest yearly rate. one-and-one-half percent service charge on charge accounts at stores is really 18 percent per annum; A three percent per month charge for a small loan is really 36 percent per annum. A seven percent car financing plan (on new cars) is more than thirteen percent per annum; A nine percent rate on used car loans is at least seventeen percent per annum; A five cents per dollar account fee for retail stores budget accounts, repayable over 20 weeks is really a true annual interest rate of at least 24 percent.

As you can readily see, members are at an advantage especially since the use of loan funds to purchase articles often results in cash discounts.

Now for the other side of the picture. Here I must apologise for my figures which are 1970 vintage.

INTEREST RATE:

Savings bank 3.75 percent
Special savings bank 4.75 percent.
Building society 6 percent (according to Emily).
National savings 3.75 percent.
Credit union 6 percent.

PROMPT WITHDRAWALS:

Savings bank — Yes.
Special savings bank — three months' notice.
Building societies — Yes to limited amounts.
Credit union — Yes.
National Savings — No.

News for next month is the special general meeting to deal with the proposed complete alteration of rules — and members are advised that this meeting will be held at Moss Vale Services Club on May 14th, at 8 p.m.

Prior to this meeting, at 6.30 p.m., a buffet dinner has been arranged and a showing of a credit union film will take place.

The dinner, to which members are invited to bring their wives, their husbands, friends, as guests, has a booking fee of 50 cents per person and is intended to bring together as many interested members and prospective members as possible so we are hoping it will be a sell-out.

Harvey Dickinson, field officer of N.S.W. Credit Union League, will be in attendance and will assist in the field of education as well as advice on rule changes.

The Honey-do Agreement:

Earlier retiring age so that men finish up around home all day and their wives say "Honey do this" and "Honey do that."

ooOoo

Patient to doctor: "You were right when you said I would be walking in a month."

Doctor: "You mean your broken leg is not giving you any trouble?"

Patient: "No, I had to sell the car to pay your bill."

For many years the Empire State Building has held the distinction of being the tallest building in the world, it is so no longer.

The World Trade Centre is already higher and when completed will be 110 storeys.

SOUTHERN PORTLAND CEMENT LTD.

Safety bonus items, March, 1971

Listed hereunder are current Safety Bonus items available at Berrima store. Units quoted hereunder are approximate only and may be varied at any time.

ITEM	UNITS
Antenna Auto YAT 305	9
Batteries 509	4½
Batteries for pocket torches	1 for 2
Baby powder	2
Blades Razor Perma-sharp	2½
Boots Desert N. 1337	per order
Boots Hycar	26
Boots Ripple sale 1336-1335	per order
Boots Safety Vulseal	33½
Boots Safety Centurion L172	
Boots Safety Vibram	
Boots Safety Vulc. Sole	
Boots Safet Worksense 1226	
Boots Safety V15	
Boots Safety Chucka	1 (2 pair)
Bootlaces	1½
Boot Polish	2½
Brylcream	14
Bits — Expanding	4
Bits Wood ½"	4
Bits Wood 3/8"	4½
Bits Wood ½"	5
Bits Wood 5/8"	5
Bits Wood ¾"	6½
Bits Wood 1"	2½
Cards Playing	6
Chamois — JIB	7
Chamois — Kanebo	5
Chisels — Wood 3/8"	5
Chisels — Wood ½"	6
Chisels — Wood 5/8"	6
Chisels Wood 3/4"	
Chisels — Wood 7/8"	6½
Chisels — Wood 1"	6½
Clocks Alarm	30
Clocks Travelling	13
Fishing Lines — Nylon 6lb.	3
Fishing Lines — Nylon 14lb.	5
Fishing Lines — Nylon 23lb.	6½
Fishing Lines — Nylon 35lb.	11
First Aid Kits	15
Flask — Vacuum 16oz.	6
Flask — Vacuum 36oz.	11
Flask — Widemouth 16oz.	11
Flasks — Widemouth 36oz.	19 and 23
Gauges — Feeler	8
Gauges — Radius Set No. 4	10
Gauges — Screw Cutting	4
Gauges — Screw Pitch	11
Gauges — Tyre	7½
Golf Balls No. 65	4½ ea
Hacksaw Frames	11½
Hair Tonic — Vaseline	3
Knives C/W 5 blades	5½
Lanterns C/W Battery and Globe 108AW	16½
Multi-Grips No. 145	9
Napkins — "Babee"	32½ per do.
Overalls Bib-Broce "Yakka"	24 pr
Overalls Combination "Yakka"	30

Pads Writing	1 ea
Pillow Cases	6½ pr
Pliers "Contraction" Circlip	9 pr.
Pliers Expansion	9
Pliers Insulated Berg 8"	18
Pliers Non-insulated Berg 8"	14
Pliers Tapere Berg 7"	11½
Punch Automatic Centre	14
Rack Wall	12
Rugs — Travelling Rayon	18
Rugs — Safari	27½
Rules Steel 6"	3½
Rules Steel 2" (Folding F1916)	8
Rules — Boxwood 3"	6½
Screw Driver Kits T160	8½
Screw Driver Kits 1½" T130	1
Screw Driver Kits T117 3"	1
Screw Driver Kits 4" T125	2½
Screw Driver Kits 4" T131	2½
Screw Driver Kits 6" T125	2
Screw Driver Kits 6" T131	3
Screw Driver Kits 8" T131	3
Screw Driver Kits 10" T131	3
Screw Wriwer Ratchet 8"	7½
Screw Driver Dumpy	2½
Sheets Flannelette 63"x99"	20 pr.
Sheets Flannelette 72"x99"	22½
Sheets Flannelette 90"x99"	30
Sheets Linen 63"x99"	25½
Sheets Linen 72"x99"	28
Sheets Linen 90"x99"	35½
Spanners — Adjustable 4"	6
Spanners — Adjustable 6"	8½
Spanners — Adjustable 8"	7½
Spanners — Adjustable 10"	13½
Spanners — Adjustable 12"	18
Spanners — Open End Whit. 1/8"x3/16"	3½
Spanners — Open End Whit. 1/4"x3/16"	4
Spanners — Open End Whit. 1/4"x5/16"	3½
Spanners — Open End Whit. 3/8"x5/16"	4½
Spanners — Open End Whit. 3/8"x7/16"	4½
Spanners — Open End Whit. 1/2"x7/16"	5
Spanners — Open End Whit. 9/16"x7/16"	5
Spanners — Open End Whit. 9/16"x1/2"	7
Spanners — Open End Whit. 5/8"x1/2"	6½
Spanners — Open End Whit. 5/8"x9/16"	7
Spanners — Open End Whit. 11/16"x9/16"	8
Spanners — Open End Whit. 3/4"x5/8"	10
Spanners — Open Eng Whit. 3/4"x11/16"	8
Spanners — O.E. A.F. No. 5.61 1/4"x5/8"	20
Spanners — Open End Metric	34
Spanners — Open End 1/4" x 5/16"	4
Spanners Ring A.F. 3/8"x7/16"	4
Spanners Ring A.F. 1/2"x9/16"	4½
Spanners Ring A.F. 5/8"x9/16"	5
Spanners Ring A.F. 5/8"x11/16"	5
Spanners Ring A.F. 3/4"x11/16"	6
Spanners Ring Metric RMS-M6	29
Spanners Ring Whit 1/8"x3/16"	4
Spanners Ring White 3/16"x1/4"	4
Spanners Ring Whit. 1/4"x5/16"	5
Spanners Ring White. 5/16"x3/8"	5½
Spanners Ring White. 7/16"x3/8"	7
Spanners Ring Whit. 7/16"x1/2"	8½
Spanners Ring Whit. 9/16"x1/2"	8½
Spanners Ring Whit. 3/4"x5/8"	13
Spanners Ring Whit. 3/4"x11/16"	13
Spanners—Comb. R—O.E. 3/8" Whit.	6½
Spanners—Comb. R—O.E. 3/8" A.F.	4½
Spanners—Comb. R—O.E. 7/16"	4

Spanners—Comb. R.—O.E. 1/2" A.F.	4
Spanners—Comb. R.—O.E. 9/16" A.F.	4½
Spanners—Comb. R.—O.E. 5/8" A.F.	5
Spanners—Comb. R.—O.E. 11/16" A.F.	5
Spanner Side Jaw Whit 3/8"x7/16"	2
Shoe Laces	1-4 prs.
Shoes Mathews	35½
Shoes Vibram (black, tan, grey, pigskin)	
Shoes Worksense 1217	
Shoes Worksense 1335 Ripple sole (black)	
Shoes Plus 50.E6380	38½ pr.
Shaving Cream	2
Side Cutter Insulated 5½	12
Side Cutter—Non-insulated	10
Soap — Small	1-2 cakes
Soap — Bath	3-4 cakes
Socket Sets—A.F. S5601	34
Socket Sets—Metric M 801	42
Socket Sets—Whit. WS 501	36½
sponges Sets Suds—O—Matic	1½
Sunglasses	18½
Tapes 6"	5
Tapes 10"	7
Tapes 10" Power Lock	10
Tape Blades 6"	3
Tablecloths — Linen	8
Tablecloths — Seersucker	8
Tin Snips	12
Tooth Paste	1½
Tooth Brushes	2 for 1
Towels — Bath	6½ ea.
Towels — Beach	16 ea.
Towels — Hand	5 pr.
Towels — Tea	2 ea.
Tool Kits Beacom	24
Torches 3 cell	15
Torches — Spot pocket light CW/ battery	5½
Vice Grips No. 137	3½
Torches — Magnetic	½

ooOoo

SUPERVISION FOR POPULAR PICNIC RESORT

Wollondilly Shire Council has appointed an honorary ranger for the popular Thirlmere Lakes recreation reserve. The lakes, off the Hume Highway six miles south-west of Picton, retain their unspoilt natural features, offering something to satisfy every tourist.

There are four long, narrow lakes which lie almost in a semi-circle and flow into Blue Gum Creek. The first lake is filled with reeds and is the haunt of waterfowl. The second, cleared of reeds and with a sandy beach, and launching ramp, is popular with water skiers. The third lake, where fish abound is reserved for swimming and canoeing, and has many barbecues. The fourth, Mountain View picnic ground, 1,000 feet above sea level is the final attraction of a developing tourist resort.

FISHY TALES

(By RUS GREAVES)

We have just had another fatality on the coast by drowning. A local rock hopper was washed off the rocks at Kiama. Several times I have drawn attention to the danger aspect of rock fishing but, I will do so again! This fatality occurred at the place where Jack Brown pulls in all his tailor, and he never gets washed away. Anyhow, keep a good eye on "them there waves, Jack!"

We have a good blacksmith in the Machine Shop, but he's good at other things too. On a recent caravan trip to Wyangala Dam, Ted landed quite a few good fish and when he got sick of fish, he went for the rabbits! He told me the rabbits were so thick you could net 'em!

No such luck was enjoyed by Graham Beveridge, who couldn't do any good at Lake Eucumbene, but on travelling to Batemans Bay caught a few darkies, flathead and bream.

Bill Aitken continues to slay 'em down at the drum and drumsticks. His bag included some nice kingfish to 6lbs and two larger jewies.

There should be very few fish left at Huskisson! Joe Bizjak caught them all on his holiday! Bobby Friend is still after "that big one," but in the meantime has a few nice flathead and bream in his bag from the canal. He says that desecrators have been at work again on the pippie beds along the beach.

Unfortunately, the Sydney people must have put the wrong interpretation on my article on pollution last month! I was all for keeping the stuff out of the water — not putting it in!


HOMELOVER'S CORNER

A big thank you to Miss Helen Ferrier, receptionist, Works Office, for the many years she has unfailingly contributed to her page, well known as Homelover's Corner, in the Newsletter.

During this time she has written articles that have proved a great help and blessing to many, both in this country and abroad, and her recipes have brought many new and unusual dishes to our tables.

Owing to other commitments, Miss Ferrier is unable to continue her contributions. We shall greatly miss her corner.

Gardening Notes



(by MRS. C. C. CROWE)

FLOWERS — Sow: Antirrhinum, Aquilegia, Candytuft, Larkspur, Linaria, Lupin, Nemophila, Pansy, Sweet Pea, Viola, Stock. Plant: Anemone, Antirrhinum, Aquilegia, Bellis perennis, Calendula, Canterbury Bells, Carnation, Dianthus, Digitalis, Iceland Poppay, Lobelia, Memesia, Pansy, Polyanthus, Primula, Ranunculus, Stock, Verbena, Viola and Spring-flowering bulbs.

VEGETABLES — Sow: Broad Beans, Carrot, Onion, Peas, Parsnip, Parsley, White Turnip, Lettuce, Radish, Endive; Plant: Cabbage, Cauliflower, Endive, Lettuce, Brussels Sprouts.

There has been very little sunshine during March, much showery, cool weather, and heavy rain in parts of the district.

Many trees are now showing substantial Autumn colour.

Remember to select the trees and shrubs you would like in your garden to give Autumn colour now, and make a note to order these as early as possible. Some of the shrubs which grow well in **shady places** are Camellia Japonica, Camellia susanquai (Autumn flowering), Kalmia Andromeda, Daphne, Rhododendron, Deciduous Azaleas, Viburnums, Cydonia Japonica, Japanese Maples, Hydrangeas.

Most other shrubs and trees will grow in sunny spots. A few needing a little shelter from the hot westerly winds.

EVERGREEN shrubs and trees may be planted now but deciduous ones are best left until they have dropped their leaves, and this means winter planting. Lift the dahlias as soon as the leaves and stems turn yellow. Cut stems to within twelve inches of the tubers and label them well before storing. Store in boxes, dusting with a good fungicide, where snails, slugs and woodlice cannot get at them. Look at the tubers a few times during the winter months to see that they are in good condition.

Lawn grass seed should be planted this month to get the grass growing strongly before the cold weather commences.

Liliums can be planted now, making sure they are surrounded with a pocket of sand to protect them from water collecting around the scales and so rotting them. Most liliums are planted six to eight inches deep.

Prepare the soil for planting Berry Bushes such as Currants and Gooseberries and for Strawberries and Asparagus. During the next couple of months. Keep the weeds down now and save them from seeding and re-appearing again in the spring.

SAFETY SLOGANS

If you haven't tried to write a slogan, give it a go this month. You will get a good idea of what is required if you study the winners below. Try and write an apt and original comment on the subject of safety.

WINNERS THIS MONTH

First prize — \$3.00: Mrs. J. Dickson, New Berrima . . . **There are Safety matches, but nothing matches Safety.**

Second prize — \$2.00: Mrs. Carol Chambers, New Berrima . . . **Don't mess about or act the fool. Make Safety First your golden rule.**

The following receive \$1.00 each:

Mrs. M. Roach, Berrima . . . **Don't say like the song, "I did it my way," Just be sure it's the SAFE and RIGHT WAY.**

Mrs. Niki Radnidge . . . **Make safety your business, and business will always be good."**

Mrs. E. Radnidge . . . **Invest in safety, it pays the best dividends.**

Mr. R. Seville, Colliery . . . **Safe work is safe play.**

Two special prizes of 50cents each to:

Phillip Talbert, Berrima West . . . **Keep your mind on your driving, and you will be sure of surviving.**

Sandra Talbert . . . **If speeding is killing? Why be willing?**

ooOoo

NEW HUME HIGHWAY BRIDGE

The Minister for Highways, Mr. P. H. Morton has announced that the Commissioner for Main Roads has accepted a tender for \$2,270,682 from John Holland (Constructions) Pty. Ltd. for the completion of a new bridge over the Nepean River on a deviation of the Hume Highway at Camden.

The new bridge will be a steel and concrete structure consisting of 26 spans. It will be 3,380 feet long — the longest bridge in the State, apart from the Sydney Harbour Bridge. It will be situated about one mile south of the existing timber bridge, which although subject to flooding, will be retained for use by local traffic. Mr. Morton said the new bridge would remove the last major flood restriction on the Hume Highway and would allow the Highway to by-pass Camden.

BITS AND PIECES

The following two paragraphs are from the "London Gazette" of August 1768.

For stealing two loaves of bread, Arthur Brimsley was last Tuesday, whipped through the streets of Blackheath by the Hangman at the end of a cart. He was whipped from the Stag Inn to the Three Doves, where the crowd and the Hangman paused for refreshments, and then back again. As he was an old offender a collection of 30s was staken up and given to the hangman to do him justice.

ooOoo

The prodigious talent of Wolfgang Mozart continues to cause astonishment in Europe. Readers will recall to mind his visit to England in 1764, when he was in his eight year, and with what marvel he did amaze THEIR MAJESTIES by playing at sight, and accompanying HER MAJESTY in a song.

The young man who is now almost in his thirteenth year, continues to display his genius with great effects in the courts of Europe, and news has been received that he has been given an appointment as Maestri di Capella by the Archbishop of Salzburg in the Kingdom of Austria.

ooOoo

ADAM LINDSAY GORDON

Recently Neil Lancaster, Despatch Clerk, loaned me a book of poems by A. L. Gordon. I was amazed at the number and variety of his poems.

In the introduction to this book, published 1912, the writer, Frank Maldon Robb, says of Gordon that he was "the most striking and in some respects, the greatest and most typical of our Australian poets. Gordon was born in England, but spent most of his short life of 37 years in Australia.

The lines that most people know and remember are found in. "Ye Wearie Wayfarer" . . .

Question not, but live and labour
Till your goal be won,
Helping every feeble neighbour,
Seeking help from none;
Life is mostly froth and bubble,
Two things stand like stone,
KINDNESS in another's trouble
COURAGE in your own.

PROBLEM PAGE

Only three correct entries were received . . . 1st prize: \$2.00: Mrs. P. Murphy, 89 Prince Street, Goulburn; 2nd: \$1.00: Mrs. M. Roach, Berrima; 3rd prize: \$1.00: Mrs. B. Furphy, 1 Garrett Street, Moss Vale. For the rest, remember, if at first you don't succeed, try, try again.

ACROSS

1. Tell's target
6. N. T. book
10. Enticed
11. Units of illumination
13. Mountain formation
14. Bucolic
15. Pose
16. External world, philosophically
17. Annoying
20. Follows train, don, assign, etc.
21. Character in "Macbeth"
22. Fight term, for short
24. Follow
25. Whirring sounds
28. Every: abbr.
29. Roam
30. Word of disgust
32. Promises
34. Billfold
36. Polish
38. Korean, for one
39. Ablaze
41. Disburse
42. Thrust
43. Woos
44. Wrath

DOWN

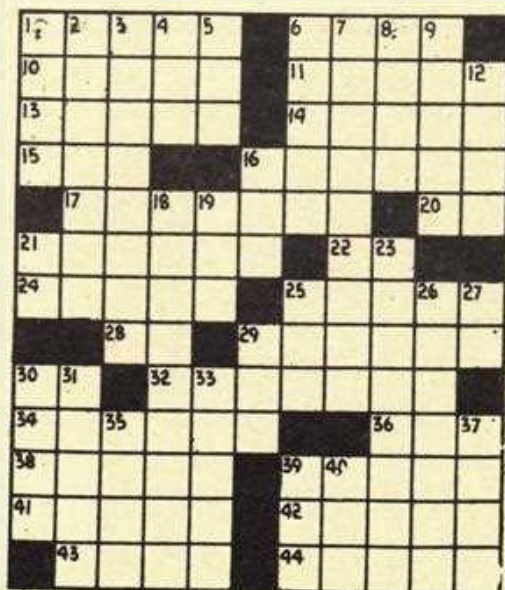
1. Old time exclamation

2. Early settler in New England
3. Subterfuge
4. Permit
5. Dutch commune
6. Article with strings
7. One-time Chinese capital
8. Ripped
9. "The boards"
12. Astrigent fruit
16. Greek island

18. Water board
19. The object of 43 across, perhaps
21. Exist
23. Commanding
25. Not good
26. Rise again
27. Relative of Jr.
29. Moist
30. Ten-pounders boated off Hawaii



31. Hornets
33. Furnishes temporarily
35. Place
37. Beverage
39. Wing
40. Merri-ment



PS

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MAY, 1971

SPC

MONTHLY NEWSLETTER

SOUTHERN PORTLAND CEMENT LTD.
MARULAN - BERRIMA - MEDWAY - SYDNEY

S.P.C. MONTHLY NEWSLETTER

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C. W. Knowlson



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- REGULAR FEATURES:
FISHING NOTES
R. Greaves

GARDENING NOTES
Mrs. C. C. Crowe

HOMELOVERS CORNER
"Homelover"
Miss H. Ferrier

PHOTOGRAPHY:
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COPY DEADLINE—

1st of Month.

Editorial

The "Southern Portland Cement Newsletter" commenced publication in January, 1959. For over twelve years, it has served a useful purpose.

Owing to the merger, the magazine cannot retain its present title, so this issue will be the last S.P.C. Newsletter.

Next month, a new publication will be born, the "A.P.C. and S.P.C. News." It may change in format, but this has yet to be definitely decided. However, the old features will continue, and, we hope, new ones will appear.

The usefulness and success of the new publication, will depend on you, its readers.

We need information to pass on to others, instead of being a collection of almost isolated departments, we need to be an integrated whole.

It is amazing how little we know about each other's work and accomplishments. The employee who knows about the plans and progress of his employers, is a better employee. The employer who knows about his workers becomes a better employer. All this and much more can be accomplished by making information available to the editor.

Lack of communication can breed indifferent, and in some cases, dissatisfied workers. Effective communication can make contented workers, and happy employers. One way in which this can be accomplished is through the pages of our works publication.

Winston Churchill's famous slogan; "Give us the tools and we'll finish the job," could be adapted to fit our need.

"Give us the news, and we'll finish the job."

THE EDITOR.

Heard on the Grapevine

BERRIMA

On Friday night, 14th May, a very successful Credit Union meeting was held.

One hundred and fifty attended the buffet dinner, and approximately 200 were present for the meeting.

Harvey Dickinson, Field Officer of the N.S.W. Credit Union League, was present, answering questions and passing on a great deal of interesting information.

A further report, together with pictures will appear in our next issue.

ooOoo

In the Credit Union News, last issue, Mr Bill Strong informs us a mistake was made with regard to Building Society interest on deposit. This should have been 6½ percent and not 6 percent, as stated.

Another Grandad! This time, Mr. Wally South. This is Wally's first grandchild, born to his son Ronald and daughter-in-law Brenda. It's a boy! David Andrew. Congratulations. Wally South has worked as a carpenter at S.P.C. for 16 years.

ooOoo

Peter Lewis, who served his apprenticeship at S.P.C. flew in from Darwin during the month, to say hello to his parents, Joe Lewis, Loco Driver, and Sister C. M. Lewis of Bowral Hospital.

Peter will be staying for one month, and will rejoin his ship in Tokyo during June. He is working for Columbia University, and the party aboard is working on geological research. Peter has just returned from the Antarctic and will continue with the ship, completing a world tour.

ooOoo

Gerard Rowley has been awarded a special prize donated by the Amalgamated Engineering Union. The award is known as the Amalgamated Engineering Union Shield, and is presented to the student with the highest pass in the final stage of the Fitting and Machinery or Automotive Engineering Trade Courses. It will be presented to Gerard at the Lilac Time Hall, Goulburn, on July 7th.

A recent visitor was Bert Mulready, who is the father of Rick and George. Bert retired about 2½ years ago, after working at S.P.C. for 27 years. We were glad to hear he recently had a successful eye operation.

ooOoo

Reg Fitzgerald now has a pet snake which he keeps at the Stockhouse. Len Howe found it on the Bowral Gib, and brought it to the Stockhouse to be used as a mascot, but it is now Reg Fitzgerald's pet!

MARULAN

On leave during May, Dick Kruk, Kiln Foreman; C. Poller, Garage; P. Carn, Truck Driver; A. Lacey, Quarry; C. Steffenson, Plant Man; C. Ogilvie, Fitter and P.A. (old son) Cooper.

ooOoo

Russel and Maxine Thompson are now the proud parents of a daughter. Russell recently completed his apprenticeship as an Electrical Fitter.

ooOoo

Mick Smith, Fitters Labourer, and his wife, are now grandparents. Their second eldest daughter, Sue, has a baby daughter, named Tracey Lee Croker.

ooOoo

A number of new cars and motor cycles are making their appearance. Greg Thompson, Apprentice Fitter has a new Holden Kingswood which is easily seen, bright yellow and black; Bob Van Os has a 1600 Volkswagen in a nice blue; Ian Beaton, on loan from Berrima has a dark green Mini; John Plonski sports a 250cc Yamaha motor cycle.

MARULAN SOUTH BOWLS

During the past few weeks there has been very little activity owing to bad weather conditions. Several players have travelled to Braidwood, Bowral and Bundanoon for various functions, mostly president's days. Some good wins were recorded.

Club social bowls have been played at weekends.

Special mention must go to Alan Gutzke who is entertainment officer. He always puts on a good show on Saturday nights, with plenty of variety, darts tournaments, cards, dancing and singing by local talent, or from outside if he can get them.

At 9.00 p.m., every Saturday night, all persons who have won a Jackpot during the week take part in another draw, and the winners prize is doubled. Needless to say, this brings in all the jackpot winners.

Allan is to be congratulated on his efforts to help raise funds for the club.

Plans are being made for extensions to the clubhouse, and it has been suggested that a 45 x 35 dance floor be included.

JUNIOR RUGBY LEAGUE FOOTBALL

Marulan South "Magpies" are the under eleven year olds who have formed a team to play in the Round Robin competition at Goulburn. Terry Bell is coach, and George Rowley Secretary. All are looking forward to the competition.

ooOoo

Apprentice Prizewinners for 1970

Prizes to be presented in Goulburn Lilac Time Hall on Wednesday, 7th July, 1971.

FITTING AND TURNING:

- G. Rowley, 1st prize in Stage 3.
- R. Goward, 2nd prize in Stage 2.
- G. Hinton, 1st prize in Stage 1.
- G. Plonski, 2nd prize in Stage 1.

ELECTRICAL:

- M. Berry, 1st prize in Stage 3.
- C. Bromfield, 2nd prize in Stage 3.
- B. Rowley, 2nd prize in Stage 2.

SPECIAL WELDING:

- G. Knapman, 1st prize.
- G. Drewe, 2nd prize.

ELECTRICAL ENGINEERING CERTIFICATE:

- G. Turczynski, Stage 1.
- Frank Ritchie, Stage 2.

OBITUARY

GENEVIEVE FLETCHER

It is with sadness we report the tragic death of Genevieve, the wife of Brian Fletcher.

Known to her friends as Jenny, she lived practically all her life in the district. She came to Tallong when a small girl, living there with her parents for a number of years.

The family later moved to Sydney.

After a short while, Jenny returned to train at Bowral hospital, where she qualified as a Sister. It was during her training she met Brian, they were married at St. Thomas Church, Bowral, in 1966. Brian and Genevieve made their home in Moss Vale.

Many relatives and friends attended the service in Bowral Catholic Church, and at the interment in the general cemetery.

To Brian, Mr. and Mrs. Ionn and family, we extend deepest sympathy.

ALAN BROWN

It is with sorrow the "Newsletter" records the death of Alan Brown, on Monday, 3rd May, at Bowral hospital.

Alan commenced work at the quarry in April, 1932, and retired on 14th November, 1966, a total of 34 years' service.

He was an expert shovel operator, being one of the first on the quarry. He handled them all, including the Ruston Steam Shovel, the Marion, and the Menck Electric.

We were fortunate to obtain the photograph reproduced in this issue. It was taken by Col Glacken on the day of Alan's retirement. In the photograph, Alan is seen holding the watch, and envelope of notes, presented to him by his workmates.

The cubicle in which he lived during the working week is seen in the top left hand corner of the photograph, next to the car.

To his wife, and family, all his friends at S.P.C. extend their deepest sympathy.

Heart Disease

The president of the National Heart Foundation, Sir Stanley Burbury, said recently, in connection with National Heart Week, that heart disease still remained Australia's major cause of death.

Latest statistics shows that 55,000 Australians die each year from Cardiovascular causes, 52 percent of all deaths in this country. The cost to Australia is at least \$700 million each year.

Heart disease is striking more and more at younger men. In the age groups from 45 to 49. Death from heart disease has risen by 54 percent in 20 years.

Every 9½ minutes another Australian dies of heart disease, and every two minutes another is having his first attack. In six months more of our countrymen die from heart disease than were killed in the six years of World War II.

Let's take another viewpoint, every day an average of nine Australians are killed in car accidents, 150 are killed by heart disease.

What are the main causes?

HEREDITARY TRAITS

Hereditary traits lead to the appearance of Arteriosclerosis and Atherosclerosis (see note below) much earlier in some individuals, than in others. While one cannot alter one's parentage, if you come from a family in which there have been many so-called "heart conditions" or strokes, it is all the more important that you seek to control the factors to be mentioned next.

OVERWEIGHT

Overweight people have a much higher incidence of atherosclerotic disease than the general population.

Excess body fat is often accompanied by an elevated cholesterol level in the blood.

Population groups in which the amount of body fat and the cholesterol level are low have a reduced incidence of Atherosclerosis.

The levels of cholesterol and other fats in the blood can be reduced by dietary measures. These include the reduction of the intake of "saturated" fats, e.g., fatty meat, dairy products and other foods containing animal

fat, and increased intake of polyunsaturated fats, e.g., certain vegetable oils and food-stuffs made from them.

Moderation in the intake of carbohydrates, that is, starchy foods, and especially sugar

LACK OF EXERCISE

Lack of exercise appears to play a role in the production of this disease since low levels of physical activity may lead to the accumulation of fat and cholesterol in the blood.

It might be a good idea if some of us started to do more walking instead of jumping into the car every time we need to go into the next street.

CIGARETTE SMOKING

Cigarette smoking also influences the development of coronary artery disease. A strong link between cigarettes and heart attacks has been shown in many studies in the U.S.A. and the United Kingdom.

In smokers mortality from heart disease is 1.5 times that of non-smokers. The increased risk is greater in men of 40 to 50 years of age. In this group, a heavy smoker runs nine times the risk of the non-smoker.

Emotional stress . . . is another important factor. It appears that stressful occupations and ways of life may have a deleterious effect on the circulatory system.

NOTE . . . Arteriosclerosis means hardening of the arteries. The hardening process occurs as a result of the deposit of fatty substances within the walls of the artery in any of its layers. Atherosclerosis is an earlier stage; in which the deposit of fat has not yet "hardened" and is limited to the inside lining of the blood vessel wall.

To beat the killer . . . cut down on saturated fats and carbohydrates. Have more exercise, stop smoking and endeavour to avoid emotional stress.

Acknowledgement . . . The greater part of the above material has been culled from various publications of the "National Heart Foundation" of Australia, by permission of the Chief Executive Officer, R. D. Johnson.

NATURE NOTES

On a trip to Adelaide just recently my attention was drawn to a Highway Department road sign depicting the presence of wombats for the next eleven (11) miles and that motorists should take care on that particular section of highway.

The sign was erected on the Sturt Highway just a few miles on the western side of Blanchetown. Its purpose was to help protect the Hairy-nosed Wombat that was indigenous to that region.

Of course all this didn't just happen overnight. Evidently the people of the South Australian Natural History Society had made detailed observations and studies of this unique marsupial in the Blanchetown area and agreed then and there that some help in protecting the species had to be carried out.

Petitions were probably submitted for its protection, conservation societies prompted, and the Highways Department and South Australian government was pressurised, all to save a wombat.

However, when you look at it, it is just as much a protection for the public. I for one would not like to be in a small car when it came in contact with a wombat, especially if the car was travelling at a speed in excess of 60 m.p.h. Unlike other animals, which would probably be thrown aside, or over the bonnet of a vehicle, I would say a wombat, because of its shape, size and weight, could easily turn a vehicle over.

All these thoughts turned my mind back to a meeting I had attended with the Goulburn Field Naturalist Society. One of the members brought up a question on how some protection could be granted to the wombats in the district between Berrima district and Goulburn.

Well, anyway, I sent them news of the South Australian success and a newspaper clipping of the happy occasion, so here's hoping something may be done. I know wombats are fairly common on the Hume Highway around Paddys River and that it is an area subjected to road accidents.

Anyway it adds to the list of signs that have already been erected to aid in protecting wildlife, namely:—

Kangaroos crossing, Koalas crossing, Wombats crossing and last but not least, Pedestrians crossing.

CHRIS SONTER.

FISHY TALES

(by RUS GREAVES)

I must relate to you my fishing experience whilst on holidays on the North Coast of New South Wales.

Usually, the weather at this time of the year is very stable, and this time was no exception. The caravan temperature was 70 degrees to 93 degrees. I left the North Coast on the return journey at 74 degrees and landed home to an evening temperature of 48 degrees. Possibly the situation is psychological but I always appear to weather the elements of winter better with a fair amount of tan.

I have this, together with a sore knee, a sprained neck and various bream cuts on the hands, however I did survive.

Fishing on the coast was patchy this month, and Crescent Head was no exception. We managed a fish feed each day with frozen fillets to bring home. I possibly did a bit better than other triers, mainly due to the lesson learned from my Dear Departed Fisherman Friend, Gordon Woodman.

The lesson is — "FISH LIGHT" and this I do, very seldom using more than a 6lb line, with plenty of length. Many bream were landed between a pound, and one-and-a-half pound. Also flathead the same size.

The whiting were not so good this year, very few exceeding 3lb. Outside fishing yielded flathead in the bonanza field, some fishermen using three hooks on a rig, catching them three at a time!

On an incoming high tide and on an outgoing low tide, darkies were plentiful over the rock bottom in the estuary. These bit well on yabbies at night, but during the day would only take weed. Sometimes biting only on Port Macquarie weed and at other only on Sydney weed.

I caught some nice fish at 2½lbs and bled and butched the right way, yielded eating flesh superior to most!

LEO ARTS

Leo Arts (brother of Hank Arts, S.P.C. Fitter, just returned from National Service) passed away in Prince Alfred Hospital, Sydney, as a result of injuries received after being struck by a car while walking in Bowral on Saturday night, 22nd May.

All at S.P.C. extend their deepest sympathy to Leo's parents and family.

Cement Company Merger

As you have all read in the press, this company will be merging its cement manufacturing and distribution facilities from 1st June with those of Australian Portland Cement Limited. Australian Portland Cement will then be 65 percent owned by Australian and Kandos Cement Holdings Limited and 35 percent by Southern Portland Cement Limited. In effect "Southern" becomes part owner of a large group with interests in both Victoria and New South Wales instead of sole operator of a small company confined to New South Wales. "Southern" will continue to own and operate Berrima Colliery and the quarry and lime plant at Marulan South.

Control of the new Australian Portland Cement Limited will be 50/50 from the inception.

Directors of A.P.C. will be:—

Representing A. & K. Cement Holdings Limited

Messrs. P. M. McCann, R. N. Oliver, H. T. D. Williamson.

Representing Southern Portland Cement Limited

Messrs. T. K. Duncan, E. G. Cutler, W. Howard-Smith.

The Chairman will be Mr. Duncan and Managing Director Mr. Oliver. The Management Group reporting to the Managing Director will be:—

Mr. T. E. May, General Manager Marketing.

Mr. S. S. Parker, General Manager Victorian Operations.

Mr. J. F. McNicol, General Manager N.S.W. Operations.

Mr. A. D. Benfield, Manager Finance and Administration.

The New South Wales Operations personnel will be:—

Mr. J. C. Scott, Commercial Manager N.S.W.

Mr. J. G. Schott, Technical Superintendent.

Mr. F. L. Veal, Works Manager Berrima.

Mr. E. W. Morrison, Works Manager Kandos.

The S.P.C. operations will come under the direction of Mr. K. C. Howard, Executive Officer, and reporting to him will be:—

Mr. D. B. Marsden, Quarry and Lime Plant Superintendent.

Mr. A. J. Good, Colliery Manager.

The A.P.C. operations in the Berrima area will be under the direction of Mr. F. L. Veal, Works Manager, who will have reporting to him:—

Mr. W. M. Gale, Production Superintendent.

Mr. S. M. Marshall, Works Chemist.

Mr. R. C. Shead, Works Engineer.

Mr. L. J. Lansdown, Works Secretary.

Engineering in N.S.W. will be part of a group engineering department and will be under the direction of Mr. W. H. Parsons, Chief Engineer N.S.W.

Basically, employees at Berrima will be A.P.C. employees, whilst those at the Colliery and Marulan will remain S.P.C. employees. It is expected that there will be still a free interchange of apprentices and technical staff between these two centres as has been in the past. Initially there may be some difficulties with regard to change of employer and divided loyalties, however most of us will not know a change has occurred.

If any employees have queries on the merger their supervisor will be only too pleased to explain.

J. F. McNICOL,
General Manager.



MR. R. N. OLIVER — Managing Director, A.P.C.

MR. S. S. PARKER
General Manager, Victorian Operations

MR. J. F. McNICOL
General Manager, N.S.W. Operations



Mr. J. C. Scott joined Australian Iron and Steel Pty. Limited in Sydney on 2nd January, 1934, and following the merger of that company with the Broken Hill Proprietary Co. Limited, transferred to Port Kembla in May, 1937, to take charge of the Invoicing Section at that plant.

Subsequently had experience throughout the General Office at Port Kembla and was appointed Commercial Liaison Officer in 1954, controlling the commercial side of major projects and the security, catering and transport services.

From May to August, 1958, visited America, United Kingdom and the Continent as one of a group studying the installation of electrolytic tinplate facilities at Port Kembla.

In November, 1959, transferred to Southern Portland Cement Limited, Berrima, as Works Secretary, which position he has held until appointed Secretary from 22nd May, 1971. Will take up an appointment as Manager Commercial N.S.W. for Australian Portland Cement Limited as from the date of the merger of S.P.C.'s, cement manufacturing and distributing facilities with that company on 1st June, 1971.



Dr. M. Robinson, a member of the Chemical Department of Holderbank Management and Consulting Limited visited our Berrima works from April 27th to 30th.

After inspecting the works, Dr. Robinson spent a good deal of time at our new Technical Service Centre studying our methods for process control and testing and explaining to our staff some of the methods used at other Holderbank plants.



Mr. D. W. McLaren, Secretary, retired on 22nd May, after 34 years' service. Mr. McLaren joined Australian Iron & Steel Pty. Ltd., in Sydney in 1937, transferring to Southern Portland Cement at Berrima in 1940 as Works Accountant, with later appointments as Works Secretary and Secretary of the company. At the beginning of 1960, Mr. McLaren transferred to Sydney Office where he continued his secretarial function and assumed overall control of marketing.

RIGHT: Mrs. P. Scott, who has served as Confidential Secretary to Mr. J. F. McNicol and Mr. J. Scott for the past 12 years at S.P.C., Berrima.



BELOW: Miss Helga Atkinson. Twenty-four years ago, she commenced work at S.P.C. Sydney Office, as secretary. From 1960 Miss Atkinson was private secretary to Mr. D. W. McLaren. She will move to A.P.C.



RIGHT: Mrs. Sylvia Stocks has been secretary to the Sydney Sales Manager, Mr. Ian Hewitt, since 1965. She retired this month.



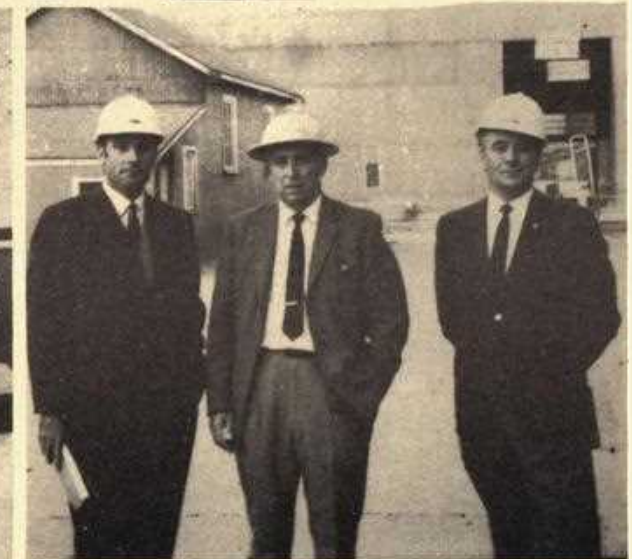
This month S.P.C. was host for a day to members of various cement companies and other organisations, who were attending a Technical Conference of the Cement and Concrete Association, being held at Craigieburn Hotel. In spite of the wind and dust, the camera caught a few of our visitors touring the works.



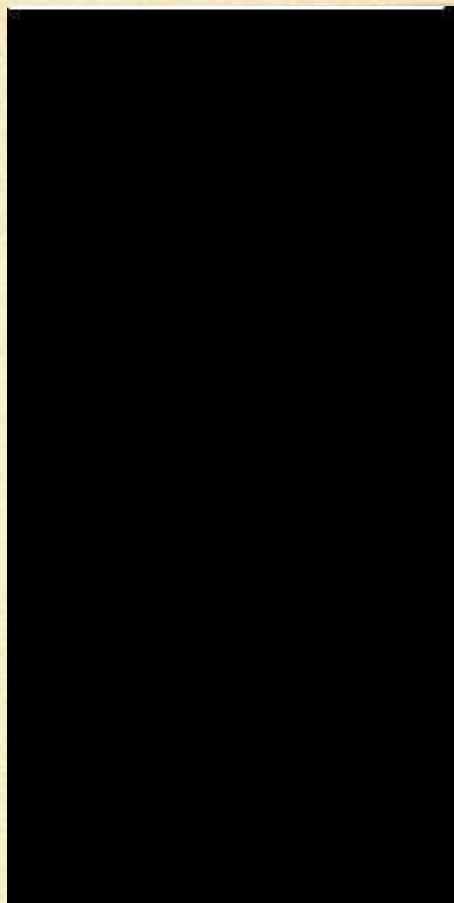
Above, left and top right: Mr. L. Veal, Works Superintendent S.P.C., second from left, Mr. S. Marshall, Works Chemist S.P.C., second from left, and Mr. C. Pickering, Industrial Chemist S.P.C., second from left, guiding groups of our visitors around the plant



Mr. D. J. Covington, Works Chemist, Goliath Portland Cement, Tasmania.



Mr. J. Ioyt, General Manager in N.S.W., Associated Portland Cement Manufacturers, Mr. J. Schott, Technical Superintendent, S.P.C. and Mr. W. Purvis, Works Manager Associated Portland Cement.



Mrs. D. Perry started some weeks ago in the Stores Clerical, General Office. Known as "Dot" in the office, she was born in Ilford, Essex, England. She was married in England and emigrated to Australia in 1967. Lived in Sydney for three years and then moved to Bundanoon. Her husband works at Neil Moxon as an Engineer-draughtsman.



Marilyn Foreman, now in the General Office, Typing Pool. She came to live in Bowral. Previously working in Sydney with the Bradford Savill Insurance Company Limited.

LEFT: Miss Nancy A. Martin recently joined S.P.C. and is working in the E.D.P. Department as a programmer. Nancy graduated from Drexel University in Philadelphia, Pennsylvania, in 1969. She majored in Data Processing, and worked for the U.S. Government in Washington, D.C. for 18 months, as a programmer.

Nancy says that even though she has been here only a short time, she loves Australia. Her fiancée, Mr. Chauncey S. Sage, is at present teaching English at Bowral High School. He also comes from the Washington area.

Nancy's favourite sport is horse-riding. At present she is living at Huntington Lodge, Mittagong. We welcome her to S.P.C.



Mrs. Alice Stanford leaves

Alice, who has been with S.P.C. for 13 years, will be leaving in June.

She started as a junior clerk in the wages department, moved to the Purchasing, and worked with Mr. A. Van der Molen as typist. Alice was then transferred to the switchboard, first as relief, and later full time, acting also as receptionist.

Later she was placed in charge of the typing pool. From here she moved to the bookkeeping machines where she has remained to the present, apart from a short spell with Stores Clerical.

One of Alice's accomplishments is the making of a good cup of tea. Her husband, Bruce, has been in the Navy for nine years, and will leave in June.

Alice and Bruce will be living in Sydney for a short while before moving to Queensland.

We are sure that all who have known Alice, will join in extending to her and Bruce all the very best for the future.

BERRIMA BOWLS

S.P.C. played Bowral for the Cement Works Shield at Bowral Bowling Club on 24th



SCOUTATHON
Photos by Ian Cairns.

BELOW:
The late Alan Brown.



SCOUTATHON

On the 1st May, 1971, members of Wingecarribee District Boy Scouts Association, led by our own Wally Parsons and Keith Graham, walked to raise funds for Mt. Keira Training Camp.

Flags flying from Lyn Byrne's car, the walkers set off from the Moss Vale Showground. They went through Moss Vale, and along the Berrima Road. At a checkpoint manned by Ian Dickson, near S.P.C., Terry Saker took over, and led the walkers across the paddocks, following the old railway to Oldbury Road. Then on to Sutton Forest where a barbecue was held at the children's playground.

Our thanks go to S.P.C. for the loan of the barbecue equipment, and to the Rovers for the eats. To Mr. Ian Cairns for his assistance and photographs. To contact members who manned the checkpoints. To Wincillor Badger who started the walk and to all the participants from Robertson, Bundanoon and Moss Vale.

Mr. Bill Gale informed us that the Scouts of the Gibraltar District started out from the Inner Bowl on Mt. Gibraltar, proceeded along the Range Road and back to the starting point.

All the Scouts taking part on that day were doing their bit to help the Mt. Keira Training Camp.

Allan Duxbury who is interested in the Bundanoon Group told us that they walked from Bundanoon to Sutton Forest in two hours!

ENGLISH . . .

As she is writ!

We'll begin with box, the plural is boxes.
But the plural of ox is oxen, not axes,
One bird is a goose, but two are called geese,
Yet the plural of moose is never meese.

You may find a lone mouse, or a whole nest
of mice,

But the plural of house is houses, not hices!
If the plural of man is always men,

Why shouldn't the plural of pan be called pen?
If I speak of a foot and you show me two feet,
And if I give you a boot, would a pair be
called beet?

If one is a tooth and a whole set are teeth.
Why shouldn't the plural of booth be called
beeth?

If the singular is this and the plural these,
Should the plural of kiss ever be keese?
We speak of a brother and also of brethren,
But though we say Mother, we never say
Methren!

Then the masculine pronouns are he, his and
him,

But imagine the feminine, she, shis and shim!

A SAFETY POLICY IS GOOD INSURANCE

Everyone is mindful of the rights of the individual. He has a right to do this and he has a right to do that. With reference to safety, it is said that an employee has a right to work in a safe plant. The government has recognised this right and has set certain minimum standards, to be sure that the employee's rights are respected.

There is, however, another side to the problem of rights which is almost always overlooked. It involves the problem of responsibility. If an employee has a right to be treated as an individual, he has a responsibility to act as an individual. If the employee has the right to a job he has the responsibility to do everything in his power to protect and use the right, but not to the detriment of others.

If the employee has a right to expect a safe place in which to work, he has the responsibility to work safely so that his life and the lives of his co-workers are not endangered.

Each right has a corresponding responsibility. The right of an individual ends where his responsibility to someone else begins. The right to be treated as an individual has the corresponding responsibility of acting intelligently. You cannot have a right without a responsibility.

Management sets the tone in any organisation. Management has the right to expect the worker to work safely. Management however, has the responsibility to see that everything within its control contributes to the achievements of this objective. Material procedures, etc., must be such as to facilitate the policy of keeping the plant a safe place in which to work.

The employee has a right to expect a safe operation. It is his corresponding responsibility to work safely. When both management and the worker are as quick to recognise their responsibilities as they are to demand their right, industrial safety will have reached the millennium.

—Extract from "Industrial Safety."

JUNIORS PAGE

—A famous explorer who named Australia

Mathew Flinders once said "If I were dead and being buried, and someone said the word "exploration" over my coffin, it would bring me back to life again."

He was born in Lincolnshire, England, at a place called Donnigton in 1774. He studied hard, like Captain Cook, joined the Royal Navy, and was sent to Australia.

One of the first things he did, was to prove that Tasmania was not part of the mainland. He did this along with his friend, George Bass.

His work was valued highly, and he was given a ship of his own. He surveyed the coastline from King Georges Sound in the south of Western Australia along the entire south coast, and the whole of the eastern coast, right up to Cape York then round into the Gulf of Carpentaria. During this time he had many adventures and escapes.

His ship was in need of extensive repairs, and he turned back at this point, but he had proved the continent was an island, for the west and north had been fairly thoroughly explored. New Holland, as it was called, was proved to be an island continent after all, and now Mathew Flinders gave it its new name, Australia, from the Latin word "Australis," meaning "Southern."

On his way back to England his ship was wrecked. He made a wonderful voyage by small boat and then was given a new ship. In this he called at Mauritius, this was unfortunate, for he was taken prisoner by the French Governor and kept in captivity for seven years, and his books and charts were stolen and sent to France. They were printed and published as French discoveries, and at one time Napoleon thought of using the information they contained, as a basis for an attempt to seize Australia.

But the man who named the continent had done work of which none could finally deny him the fruits. Upon his survey are based all modern Admiralty charts, and the place names along the east coast of Australia, record the affection and admiration that he held for his officers and crew, and commemorate some of his many experiences.

There was a midshipman in Flinders' crew, who afterwards became Governor of Tasmania and who raised a monument there to the lost La Perouse. To this midshipman himself, other monuments have been raised, for he was to vanish as utterly in the north, as La Perouse had vanished in the south.

Flinders midshipman, in fact, was the future Sir John Franklin, fated to lose his life by cold and starvation in conquering the North-west Passage.

ooOoo

CAN A FISH SEE AND HEAR US?

If you go to an aquarium you will see for yourself that fish can see you, and so very well and quickly too! Every fisherman knows this.

He knows too, that fish are very particular about colour, and that they catch things by sight as well as by smell; for the flies used by the fishermen are not scented, but coloured, and the fish come to them very readily if they are of the right kind.

However, fish are decidedly inferior to us in hearing; though they are by no means deaf, they do not respond to music as they seem to respond to colour.

TOURING TODAY

HISTORIC VILLAGE AT BALLARAT

Ballarat has long held a special place in Australian history. It first won fame in 1851 as one of the richest gold fields ever known.

Why not take a step into yesteryear and visit Sovereign Hill, an historical park near where gold was first found at Ballarat. It provides a completely realistic environment of the period 1850-1860.

At Sovereign Hill the working exhibits of the diggings area provide a panorama of mining development from the early alluvial days to the later period when shafts were sunk hundreds of feet into the earth. Visitors can pan for gold in the creek and go down into the adit (entrance tunnel) of the mine, or explore the various huts and shanties of the diggers, which are complete with furnishings of the time.

Sovereign Hill is situated on 36 acres of undulating ground which overlooks the Geelong Road one mile south of Ballarat. It is open seven days a week from 10.0 a.m. to 5.00 p.m.

BITS and PIECES

(By J. LEWIS)

Not everyone agrees that William Shakespeare wrote the thirty-eight plays that bear his name.

Sir Francis Bacon, Christopher Marlowe, the 17th Earl of Oxford and the 6th Earl of Derby all have thier advocates.

In 1968, in an effort to solve the question once and for all, the Shakespeare Action Committee sought permission to open up Shakespeare's grave, hoping to uncover some positive evidence.

The request was refused.

Shakespeare's tombstone bears this cryptic inscription:

Good friend for Jesus sake forebeare
To digg the dust enclosed heare
Blese be the man ye spares thes stones
And curst be he that moves my bones.

ooOoo

Crocodiles are distinguished from alligators and caimans by having no bony armour on the lower surface of the body, by the interlocking of the upper and lower teeth, and also by the fourth lower tooth being received into a notch on the side of the upper jaw.

ooOoo

Have you noticed that a clock always seems to make the sound of tick-tock.

There is no imagination about this; a clock does actually produce these sounds.

The tick marks the moment when the pendulum has swung as far as it can to the right; the tock marks the end of the swing to the left.

The reason for the difference in sounds is that the anchor arms of the pendulum strike the cogs of the escapement wheel in a difference way. At the one contact the anchor arm strikes the cog as the wheel comes down; at the other the cog is struck while moving away.

ooOoo

A bat sleeps upside down because its hind legs are much better suited to support it as it hangs. Its forelegs or paws have only one free finger, the remainder of its hands or fingers being adapted to help it in flying. Its hind paws have fingers which are fitted with something like little hooks, by which it can hold on to anything.

Do you know that no two people see the same rainbow.

This is quite true.

A rainbow is due to the reflection of sunlight from the drops of rain as they hang in the sky. The sunlight passes through a raindrop, and is reflected from the inside of the raindrop at the back, and is broken up into the various colours that go to make up white light — violet, indigo, blue, green, yellow, orange, red. What we see is a spectrum similar to that produced by passing a beam of light through a prism. The raindrop takes the place of the prism. It follows that no two people can possibly see the same rainboay, for no two people can be in a position to see through the same particular raindrops.

ooOoo

For the fellows who like long hair,

Hair grows at the rate of four and three quarter inches per year.

If you leave it to grow for seven years you will be able to sit on it.

ooOoo

No movement that a man can make, can in any sense, vie with the terrific speed of some insects vibrating their wings.

The ordinary fly vibrates its wings 21,120 times a minute, or 352 times a second.

The bee is even faster. Its wings beat at 26,400 times a minute.

The fastest wing beat of all is made by a tiny midge known to science as Forcipomyia.

Its wings beat at the fantastic rate of 950 times a second, twice as fast as the bee.

These figures are not based on theory, but have been proved by practical measurement.

ooOoo

Did you know that every time you gaze at the stars in the sky you are gazing into the past?

For what you really see is the light of the stars—light that began its journey across space years ago.

Although the speed of light is so incredibly fast, the stars are so far away that it takes four years for the light of the nearest star to reach us.

FLASHBACK

Interesting selections from early S.P.C. Newsletters

JULY 1961 WARRAGAMBA DAM

(Extract from article)

As well as 2,500,000 tons of sand and gravel, approximately 267,000 tons of cement were used in the concrete for Warragamba Dam. This was supplied in bulk, and, with the exception of motor transport from the supplier's works at Berrima (N.S.W.), the handling was almost completely pneumatic, from the grinding mills at the cement works to the concrete mixing tower at the dam.

Chemical reaction in newly-mixed concrete generates considerable heat, and the subsequent cooling of the set concrete can cause cracking. To prevent this, ice was mixed with the concrete to control the rise in temperature. Ice had previously been used for this purpose in the U.S.A., but it was used for the first time in Australia at Warragamba.

The ice-making plant built beside the dam was the largest in Australia, producing 170 tons of ice a day. The ice was reduced to small fragments so that it would all melt during the three-minute mixing process.

Cement, sand, gravel, and ice were fed to a central mixing tower where four two-cubic-yard mixers had an hourly output of 150 tons. From the mixing tower, the concrete was loaded into eight-cubic-yard buckets and moved by locos to a position near the cableways ready for pick-up.

Manual operation of a mixing plant of this size would have been too slow to give the required output, so the materials were weighed automatically and their flow regulated by the required output, by push-button control.

BLOCK BY BLOCK

The two 18-ton, and one 10-ton, cableways spanning the gorge were able to deliver concrete to any part of the works area. As soon as the concrete was placed, it was compacted by teams of men with pneumatic vibrators.

Warragamba Dam was built as a series of blocks or prisms of nominal size, 50ft. by

50ft., each block rising in "lifts" of 5ft. When one lift was completed, the formwork was removed and raised ready for the next.

As well as mixing ice with the concrete to control the temperature, an elaborate cooling system was built into the dam. As each block was formed, layers of pipes five feet apart vertically and horizontally, were left in the concrete to circulate chilled water from the ice plant.

By these means, the concrete in the dam was cooled to its final stabilised temperature within a few months, whereas, had the cooling been left to natural processes, it would probably have taken 100 years.

The cooling caused the concrete blocks to shrink away from each other, leaving open joints. Neat, fine cement was then pumped under pressure into these joints, thus welding the whole structure into the one great monolithic wall.

When the cooling was completed, it was, of course, impossible to remove the pipes from the dam wall. This vast refrigeration system of more than 400 miles of pipes was therefore, filled with cement and will remain in the wall permanently.

THE MOVING GIANT

Although the dam is a huge concrete monolith, instruments show that it deflects slightly downstream as the stored water rises, and returns upstream when the water level falls. Although only a fraction of an inch these movements were considered in the design of the dam, and stresses due to them were minimised by leaving temporary gaps in the concrete, which were only filled after predetermined loads were being carried by the dam.

For example, a closing gap was left between the dam wall and the floor of the concrete spillway apron, to prevent large thrusts from the dam being exerted on the comparatively thin apron sections. As the dam filled, there was a small, elastic forward movement of the wall, and the gap was not filled until the major portion of this movement had taken place.

DETAILS OF THE DAM

Storage Capacity	452,500 Million Gals.
Length of Wall	1,150ft.
Length of Spillway over Crest	310ft.
Concrete in Wall	1,600,000 cu. yds.
Maximum Height of Concrete	450ft.
Width of Wall at Base	340ft.
Greatest Depth of Water	340ft.
Catchment Area	3,383 sq. miles
Annual Average Rainfall	33in.
Lake Area	29 sq. miles
Maximum Length of Lake	32½ miles
Length of Foreshoes	220 miles
Hydro-electric Station	50,00 Kilowatts
Estimated Cost	£35½ million

Acknowledgements to Metropolitan Water Sewerage and Drainage Board for making available material used in this article.

LOCAL DAM USES SOUTHERN CEMENT

Most readers, by now, have no doubt visited the recently completed Bundanoon Creek Dam, located 16 miles south-east of Moss Vale.

By Warragamba standards this dam is a midget, nevertheless it falls in the category of a major engineering project and will of course be a worthy asset to the district.

A few facts about the dam might help to enlighten those who have not yet seen it.

Height of wall—108 feet with a 10ft spillway.

Width of wall—140ft. (at top).

Tons of concrete used—5,000.

Capacity of dam—450,000,000 gallons.

Total cost—£516,000.

SYDNEY OFFICE SEPTEMBER, 1961

Sydney's commercial centre is being transformed and demolitions and rebuilding change its character from week to week. The new buildings are usually more austere in design than those they replace and there is little exterior embellishment. Superficially there may seem to be certain monotony of design, but actually in the best modern buildings there is a closer alliance between architecture and art and much thought is given to interior design.

In keeping with this trend, Southern Portland Cement Limited commissioned Leonard Hessing to design and execute a mural for the reception area of its new offices in Kindersley House, Sydney. Leonard Hessing is a young artist who is perhaps better known as a painter than a sculptor, he is also an architect. At the present time he is exhibiting paintings in both London and Sydney galleries, where they have created great interest. The S.P.C. mural—which is appropriately carried out in concrete—is his first major work of this kind. It is a balanced abstract composition of form and texture giving an impression of strength and solidity combined with flexibility and variation. There is no colour except that of normal concrete but the strip lighting falling on it from above gives interesting effects of light and shade.

If the success of a work of art can be measured by the interest it arouses then our mural is successful indeed. Many people have visited Southern's office especially to see it and it would be enlightening to have a Visitors' Book for the comments of observers.

BERRIMA

A visit to the plant by His Excellency The Governor of New South Wales, Lt. Gen. Sir Eric Woodward, on 8th December, created a small but specialised job at the Works Office. The requirement was a flagpole and of course the job was given to Bill McDowell who, in the best naval tradition, constructed a flagpole which would do justice to any vessel of Her Majesty's Navy. Complete with yard arm and gaff and equipped with correct rigging for flying the necessary flags, the imposing flagpole now stands in front of the office and gives an aesthetic touch to the general appearance.

WHO'S AFRAID OF 40?

What's so tragic about being over 40? At 40 Leonardo da Vinci had still to paint the Mona Lisa; Henry Ford had just founded the Ford Motor Company, Handel hadn't even started on "The Messiah"; Dwight D. Eisenhower was just another army major and Joseph Conrad was still having his stories returned by editors.

Gardening Notes



(by MRS. C. C. CROWE)

FLOWERS: Sow — Antirrhinum, Candytuft, Calendula, Larkspur, Linaria, Nemophila, Sweet Pea, Virginian Stock; Plant — Carnation, Delphinium, Stock, Calendula, Canterbury Bell, Iceland Poppy, Dianthus, Pansy, Polyanthus, Viola, Anemone and Ranunculus.

VEGETABLES: Sow — Broad Beans, Onion, Peas, Parsley, White Turnip; Plant — Asparagus, Rhubarb, Herbs..

We have had a few light, patchy frosts during the last few weeks, and these have heightened the colour of poplars, ash maples, nyssas, pistacias and Parrotias, now, Japanese maples and liquidambars, are coming into full colour and crab apples and crataegus are ripening and shedding their fruits.

Camellia sasanqua shrubs, heaths, chrysanthemums and spider lillies are in bloom this month.

Cut the old stems of perennial plants back when they have finished flowering and the new growths are showing at ground level. Prepare garden beds for the planting of roses next month. Water any places in the garden where water does not penetrate, particularly under evergreen trees or against hedges.

Remove any pot plants which are frost tender now, either into the sun room or under shelter, away from the early morning sun, so they will be protected during the winter months.

Cultivate between rows of vegetables to keep down weeds and thin out root crops so that those remaining can increase in size.

Set baits for slugs and snails, which are still quite active in the garden.

SAFETY SLOGAN RESULTS

1st Prize: \$3.00, Mrs. E. Radnidge: "Play it safe, play it cool, There's no first prize for being a fool."

2nd Prize: \$2.00, Mrs. M. Roach — "Insure against accidents, but Ensure they don't happen."

3rd Prize: \$1.00, Roger Seville — "Work safely done, is work well done."

4th Prize: \$1.00, Alan King — "Safety can help you, If you help it."

SEND IN YOUR SAFETY SLOGANS BY 15th JUNE LET'S LAUGH!

Father looked up from his racing form and noticed the baby in the buggy. Turning to his wife, he said: "Baby's nose is running again."

His wife snorted and snapped: "Don't you ever think of anything except horse races?"

The recently married young thing was buying a chicken for hubby's dinner.

"Wanna pullet?" asked the butcher, looking over his stock.

"Oh no, I'll carry it," replied the bride, cheerfully.

We know a man who thinks marriage is a 50/50 proposition, which convinces us that he either doesn't understand women or percentages.

A mother who had been teaching her children to be mannerly on the telephone overheard her eight-year-old daughter answering a call, "I'm sorry sir," the young lady said, "you must have a wrong number. But would you like to leave a message?"

Shoe salesman to woman customer. "Let's start with the larger sizes and work down until we get that stab of pain we're looking for."

It is alleged that the average American company president is judged by the computer he keeps.

If you get up earlier in the morning than your neighbour, work harder and scheme more, stick closely to your job and stay up later planning how to get ahead of him while he is snoozing, not only will you leave more money behind you when you die, but you will leave it a lot sooner.

MIDDLE AGE—

When time's beginning
To get the best of you,
When the hair is thinning
But not the rest of you.

Doctor (to patient): "Let me know if this prescription works, I'm having the same trouble myself."

"I am beginnig to suspect," said the bridegroom, "that you mother has a low opinion of me."

"Whatever makes you think that?" asked the bride.

Replied the groom, "Those towels she gave us are marked 'Hers' and 'Its!'"

The best way to get your husband to give up golf is to play with him every day.

"Papa," queries the son, "what is the person called who brings you in contact with the spirit world?"

"A barmaid, son," replied the father.

An applicant for an insurance policy sent in his completed form. The agent looked it over. "This seems in order, Mr. Jones," he said, "except for one thing. When it asks for the relationship of Mrs. Jones to you, you should write 'wife', not 'strained'."

Patience is the art of losing one's temper gradually.

A puzzled little girl watched a party of fishermen putting off in their boat, "But, Mummy," she asked, "do fish LIKE all that beer?"

Some people are no good at counting calories, and they have the figures to prove it.

OUR PROBLEM PAGE

PRIZE WINNERS . . . 1st, Mrs. A. Johnston, Marulan, \$2.00; 2nd, Mrs. J. Dray, Moss Vale, \$1.00; 3rd, Mrs. B. Furphy, Moss Vale, \$1.00.

These Crosswords will test your skill. Try your hand with the Crossword below.
Closing date, 15th June, 1971

ACROSS

1. Fundamental
6. Claw of a crab
11. Sufficient
12. Biblical name
13. Positive
14. Naval banner
15. Before
16. Singular
17. Born
18. Soothes
21. Reclaim
23. Loathe
27. Aromatic chambers, sometimes
28. Whistle
29. Minstrel
30. Explain
31. Inner or outer wear
33. Donkey
36. Vestment
37. Samoan warrior
40. Sift again
42. Alight
43. Coral island
44. Quoted
45. Appraises
46. Equals

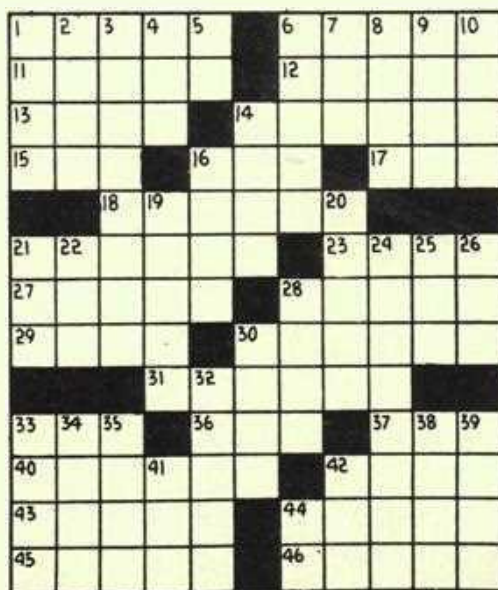
DOWN

1. Point of a diamond
2. River in Asia
3. Butter knife
4. Beverage
5. French article
6. Sweets

7. Owns
8. Green land
9. Theater seat
10. British princess
14. Kind of cheese
16. Arena bravos
19. Gives
20. Change
21. Plunder
22. Girl's name
24. Having an awn
25. Denary
26. Compass point

28. Balkan
30. Child's toy
32. Corridors
33. Sandarac tree
34. Caterpillar hair
35. A Highlander
38. Extraordinary person: slang
39. Affixes

41. Mexican rubber tree
42. Golf term
44. Contrast: abbr.



PS



and



NEWS

AUSTRALIAN PORTLAND CEMENT LTD.

and

SOUTHERN PORTLAND CEMENT LTD.

Berrima — Marulan — Medway — Sydney

JUNE, 1971 — Vol. 1, No. 1

A.P.C. and S.P.C. News

VOL. 1—No. 1

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BERRIMA . . .

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

MARULAN . . .

W. McCallum.
E. Cooper.

COLLIERY . . .

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A MESSAGE FROM THE WORKS MANAGER

At a National Safety Council function in Sydney last month, the company and its employees were honoured by a presentation by the Honourable F. M. Hewitt, M.L.C., in recognition of an outstanding safety achievement of 2,000,000 man hours without a lost time injury.

The company was among a very select few who had become Safety Millionaires during the past ten years.

It is pleasing to see the Berrima Works well on the way to another million, with a lost time injury free run of one year, representing 750,000 hours expected about the time of publication of this magazine.

F. L. VEAL

NOTE: a photograph of the presentation tray will be seen in the pictorial section.

EDITORIAL . . .

We have all recently heard of the plight of refugees from East Pakistan, who have crossed into India. This has again focussed attention on the refugee problem. It is estimated that, in addition to the millions from Pakistan, there are five million Vietnamese, 700,000 Laotians, and half a million Cambodians. Throughout the world there are about 20 million refugees. Many of us perhaps think we are having a lean and difficult time. But can we imagine what it would be like, if we were forced to snatch up a few necessities, what food we could carry, and leave our homes and everything in them!

If we can take our minds off ourselves for a while and look at the condition of these refugees throughout the world, maybe we will begin to realize what a wonderful country we live in. Maybe we will begin to count our blessings, and do something practical to help these unfortunates.

Speaking of South-east Asian refugees, one newspaper correspondent put it something like this, "four poles and a blanket is home, and a roast rat is a treat." Another correspondent mentions that "to have a tin roof is luxury." It is true that Australia is doing a great deal, but if individuals will take a closer look at the needs of these refugees, I feel sure that they will want to do more, and if each one of us will give an extra dollar or two, perhaps doing without one or two little luxuries, it is going to make a tremendous difference in our collective contribution.

Surely, one of the best ways to do this is through "Austcare" (Australians Care for Refugees). Austcare is not interested only in giving hand-outs, its aim is to "help the helpless help themselves" through rehabilitation and vocational training.

Let us stop looking so much at ourselves, our immediate circle, our often unnecessary "wants," and get the wider view that will take in the needs of the refugees.

THE EDITOR

Heard on the Grapevine

BERRIMA

A visitor to S.P.C. at the end of May was Mr. Don Reynolds, who is now Chief Services Engineer at A.I.S. He is the brother of Miss N. U. Reynolds, Matron of Bowral Hospital.

Don started at S.P.C. 28 years ago and served his apprenticeship at fitting and turning. He continued here for a while as a fitter, and then moved to Metropolitan Cement at Maldon.

From there he transferred to A.I.S. and became an assistant to the Powerhouse Superintendent. Recently he was promoted to his present position.

ooOoo

The marriage took place on Saturday, 15th May, of Vicki Bennett, and Stanley McDonnell. Vicki was a clerk in the accounts department prior to her marriage.

ooOoo

A new starter in the General Office is Mrs. Pam Lloyd. Pam is learning the calculating machine in the accounts department and before starting here, she was a clerk at Highland Wholesalers, Bowral.

Incidentally, Pam is the daughter of Les Foreman of the Machine Shop.

ooOoo

Another new starter is Grahame Endersby. Grahame is working in the Costs Department and before commencing here he worked at the Australian Forwarding Agency as a Transport Superintendent.

ooOoo

Doug Watson, just returned from annual leave, had a good time fishing at Lake Tabourie.

ooOoo

Ernie Radnidge recently spent a holiday at Forster. He didn't do much in the way of fishing, but he did see a very remarkable sight — a very large school of porpoises.

They seemed to be in the hundreds quite near to the shore, as the waves curved over to fall, the porpoises could be seen in the waves, seemingly playing the game of "follow the leader."

COLLIERY

Mr. Lew Wilson, Engineer, was a member of the team that won the final of the Bowral Bowling Club Triples Championship. Ken McGill and Roy Broadfoot completed the team.

ooOoo

Bill Barnett, assistant engineer and family, recently returned from Port Macquarie, where they enjoyed a good time and plenty of sunshine.

ooOoo

Neil Gundry, fitter, fell off his motor cycle whilst rounding up the cows, and broke his right thumb. He has been off work for six weeks as a result. Hopes to be back soon.

ooOoo

Rugby league enthusiast, Brian Townsend coaches the under 18s at Moss Vale; he is also a member of the senior league team.

ooOoo

Noel Hudd, electrician, another league enthusiast coaches the Bowral under 18s. His son, Michael plays in the under 7s.

MARULAN

Ray Bell, lorry driver, who has been off work for some months owing to illness, commenced work again during June. We hope his health will continue to improve.

ooOoo

Mr. Eric Bazeley, burner at the kiln, transferred to Port Kembla during the month. He will operate a new kiln there. He has been a burner at Marulan since the kiln started three years ago. Assistant burner, Hein Muenster will take his place.

ooOoo

Going on leave, or returning in June — Bruce Murphy (Stores), C. Ogilvie (Fettler), Ray Martin (Bins), A. K. Newman (End-loader Driver), B. Koschenow (Lorry Driver), R. Holt (Office), R. Charval (Bins)

THE NEW BERRIMA TECHNICAL SERVICES CENTRE

(By Mr. S. Marshall, Works Chemist)

The new laboratory at Australian Portland Cement Limited Berrima, forms part of the modernisation programme initiated by the No. 5 kiln project in 1964, and subsequently the No. 5 cement mill, bulk loading silos and raw material handling additions.

The original laboratory commenced its services in 1929. By 1941 the area had been doubled with the building of extensions comprising shift control, physical testing, sample and staff change rooms.

Further extensions were necessary in 1967 to provide data on cement and concrete shrinkage testing. The more recent decision to enter the field of x-ray fluorescent analysis again focused attention on laboratory and associated plant requirements and it was decided to plan for a new building more centrally located in respect to plant operations.

The new laboratory will provide facilities for the Production Superintendent and Technical Assistants as well as the laboratory staff for the main function of chemical and physical testing of raw materials, semi-processed, finished cement and lime products.

The building has been designed to accommodate a second story without any structural alterations to the lower section.

This would allow other associated departments to be located in the same general area in the event of future developments.

Construction on the new site commenced in June, 1970, under the supervision of the architects, Messrs. Crooks, Michell, Peacock and Stewart, together with personnel from the Chief Engineer's department.

The new building is a reinforced concrete structure of 8820 sq. ft., total floor area which includes a basement of 1620 sq. ft.

Design and construction details are summarised as follows:

FLOOR

Pier and beam reinforced concrete slab 7" thick poured on compacted fill, concrete specification 3500 p.s.i. (That is a square inch of the concrete would withstand a pressure of 3500 pounds).

The latest report from two of our employees on compensation, Gordon Bryant and Les Cooper.

Gordon is in hospital in Sydney, receiving treatment for a back injury which occurred while he was working at the Lime Kiln.

Les has been referred to a specialist in Sydney for treatment to a broken leg which he received in the fitter's shop when a piece of plate fell from the crane, crushing his leg.

We wish both a quick recovery and hope to see them back at work soon.

oooOo

Eddy Cooper says he heard recently that a certain member of the maintenance staff walked down and up the Shoalhaven Gorge twice in the one weekend. No ill effects resulted, but a very good thirst was acquired.

As Eddy says, it just goes to show that some people are much fitter than they look.

ooOoo

New starters — Len Hussey, plant; Jim Bradley, fitter shop; Lawrence Clack, Stores.

ooOoo

MARULAN BOWLS

On Sunday, 30th May, Marulan South bowlers and three Colliery bowlers, combined to play S.P.C. and Moss Vale club, for a Shield called the Jim Colquhoun-Cec Cluny Shield.

The shield was presented by Jim and Cec for play between the above teams.

Marulan South was the winner and our name goes on the first small shield, of which there are several, we hold it until we are beaten. S.P.C. and Moss Vale say that will be next match.

Trophy winners were, for S.P.C.-Moss Vale, B. Chickley, K. Howard, J. Bell and for Marulan South, A. Cooper, Frank Bell and L. Cooper.

Scores in the shield were:

S.P.C.-Moss Vale 85, Marulan South 95. Tom Sharkey, vice-president, made the presentation at high tea for president, P. Penfold, who was in hospital.

ooOoo

Contrary to popular belief, a Giraffe is not dumb.

When heard it resembles the bleating of a sheep.

However, on the authority of the officials of a zoo in the U.K., of all the giraffes there, only one has been heard to utter a sound and that on only one occasion.

ROOF

The roof is a 10" thick slab which was cast as a continuous pour. It was then pounded for seven days water curing and when test cylinders had reached 3000 p.s.i., the slab was post tensioned with cables, having centres varying from 15" to 45". The roof is supported by columns at the outer perimeter spaced at 16 ft. centres and two columns at 33 ft. centres on the longitudinal axis.

EXTERNAL WALLS

The outer wall section above the windows is off the form concrete and was poured integrally with the roof slab.

Below the windows precast exposed aggregate panels form the external wall.

Sun hoods of exposed aggregate are bolted to the roof edge and protect the building from the ingress of heat and glare.

They form the main architectural feature of the building.

The internal perimeter of the outer wall consists of concrete blocks with terrazo sills. Other internal walls are also of concrete block where noise could be a hazard to other areas and protection against damage is desirable.

A feature of the glass and timber partitions is their modular demountable construction which allows a degree of flexibility in arranging room space.

Other items of note include, plastic coated steel external door and window frames designed for minimum maintenance.

The under surface of the roof slab has been treated with a sprayed foam material to act as an insulating medium.

The ceiling of pre-painted acoustic tiles is supported by a suspended frame work of modular construction.

All air-conditioning exhaust ducts and other services have been installed in the space between the ceiling and roof slab.

The building is fully air-conditioned with the exception of the aggregates room, chemical store and amenities block.

The specification for temperature control is that it meets the Australian Standards A2 requirements.

The shrinkage and heat of the hydration room has a separate air-conditioning unit for temperature and humidity control.

LIGHTING

Fluorescent lighting consists of ceiling fixtures of 3x40w and light value throughout the building has been aimed at 50 lumens.

The main entrance to the building is located on the eastern frontage while the northern side provides access for shift control and concrete testing personnel plus materials.

The western and prevailing wind aspect has one door only which services the chemical store and consequently will be opened infrequently. The southern or weather side has not been provided with any doors.

The laboratory has been designed to enable the functions of shift control, concrete testing, physical testing and chemical analysis to be carried out independently so that shift control can be accomplished without access to other areas during night and weekends.

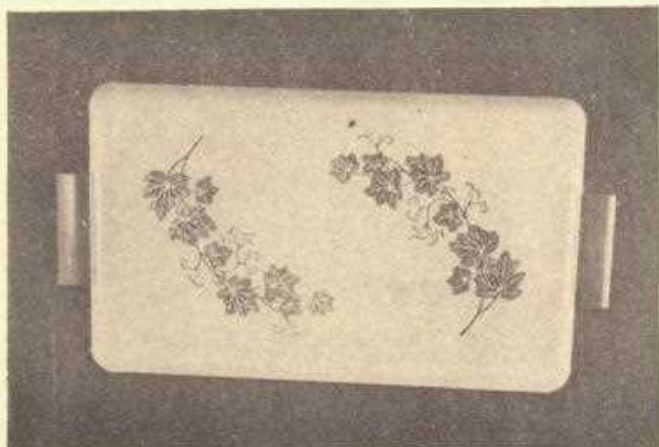
The analytical laboratory comprises three divisions namely wet analytical section for solution preparation and miscellaneous analyses, spectrophotometer section for raw material, mix, clinker, and cement analyses and the X-RF area which will initially run in parallel and eventually phase out the spectrophotometer. It is hoped to ultimately operate the x-ray equipment on shift for mix control but full utilisation will not be possible until effective proportioning equipment is installed at the raw milling department.

Concrete testing has been given a high priority with facilities for aggregate storage and preparation, concrete mixing, curing both fog and water and an Amsler 200 ton compression machine for testing concrete specimens.

The physical testing room is adjacent to the fog room and has been designed large enough to cope with a considerable increase in this field. A 50-ton Amsler compression is available for testing mortar specimens.



MR. F. L. VEAL, Works, Manager, A.P.C., Berrima



● Above is a photograph of the Tray presented by the National Safety Council of Australia (N.S.W. Division) referred to by Mr. L. Veal.

Engraved on the tray is the following:—

"To commemorate a safety achievement of national significance, a safety millionaire."



● Mr. Neville Smith, Senior Draughtsman Maintenance, A.P.C., Geelong, visited A.P.C., Berrima, recently.




RIGHT . . .
MR. S. MARSHALL,
 Works Chemist,
 A.P.C., Berrima.




MR. R. GREAVES,
 Assistant Works Chemist, A.P.C., Berrima.



THE OLD LABORATORY
 From the Silos.
 Photo— R. Greaves.

- 
- Bob Byrne carries out routine spectrophotometric analyses of raw materials and finished products.
 - Barry Whatman keeps check on concrete strengths.

- 
- Harry Etheridge uses classical methods to analyse miscellaneous materials.
 - Errol Chalker tests the strength of the finished product.



● George King assesses daily quantities of all materials used and made in the plant.



● Phil Brown controls the quality of the materials used on shift.



● Terry Newey helps to determine the concrete strength.



● Julian Baumann assists in checking concrete strengths.



● Geoff White is mainly engaged in checking the fineness of the cement.

ARCHIE BROWN RETIRES

Friday, 28th May was Archie's last day at S.P.C. He has had a varied career. For 27 years, he was a linesman for the Post Office Telephones, for 15 years a shop-keeper at Fitzroy Falls and latterly at S.P.C. For a time, Archie worked in the Power House and later became a Welders Labourer.

John Long, Assistant Maintenance Foreman, presented Archie with a wallet of notes from his mates. Best wishes from us all, Archie.





MARULAN RETIREMENT — Sylvester Wells.
(Story on Page 13)



Tom Roach, Berrima, retired this month. TOP: As he is today and

BELOW: As he was in 1917.
(See Page 14)



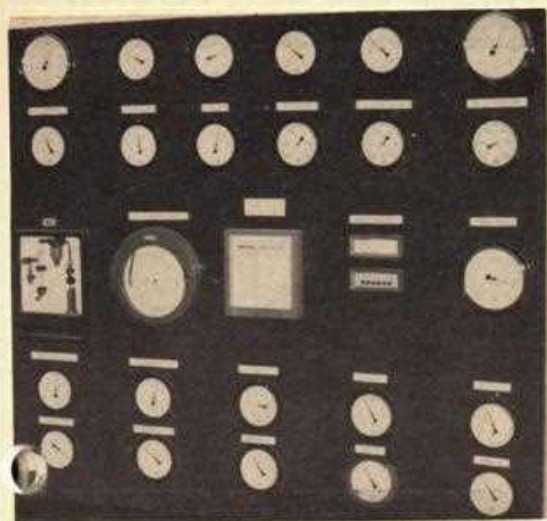
Some of the Apprentice prizewinners.



● **Mr. Harvey Dickinson, Field Officer of the N.S.W. Credit Union League, addressing members and friends.**



● **Mr. L. Humphries, Minutes Secretary, Mr. W. Strong, Chairman, Mr. T. Richards, Manager.**



ABOVE: Instrument Panel

THE 7.5m.w. METROPOLITAN VICKERS TURBINE NOW OPERATING IN BERRIMA POWERHOUSE

We are indebted to Mr. Alf Knapman, Power House Foreman, for the following information.

The turbine was commissioned at Berrima Works on 12th May, 1971. Its overall length is 31' 11", and its width including the condenser is 17' 6".

The maximum operating conditions are as follows:

7.5 m.w. plus overload at 3,000 r.p.m. steam temperature 680 deg.F. Pressure 250 p.s.i. Power factor .95. Cooling water up to 90 deg.F. Alternator closed circuit air-cooled through water cooled air cooler. Oil circulating system, 400 gallons.

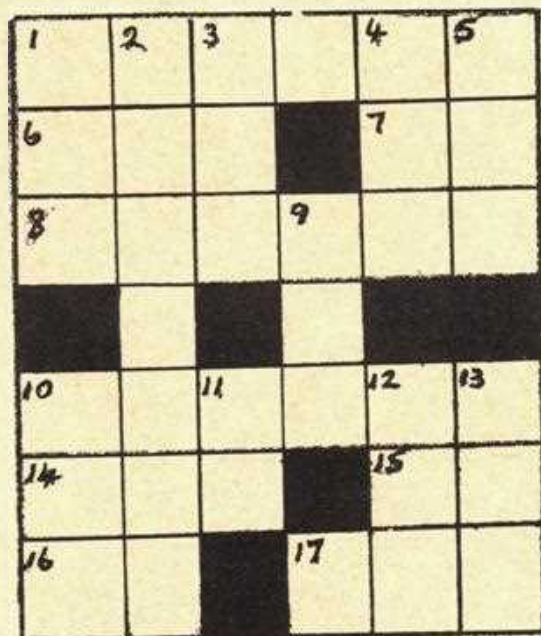
The turbo-alternator was originally installed at Lithgow Power Station, and became redundant when the Electricity Commission took over the station from the N.S.W. Railways Department.

The two sister sets are installed at Charbon Cement Works and A.I.S., Port Kembla.



Mr. F. Robjant at the control panel.

JUNIOR CROSSWORD No. 1



ACROSS—

- 1 Often seen at the beach.
- 6 Girl's name.
- 7 Opposite to stay.
- 8 Refers to Japan.
- 10 Works with leather.
- 14 An adult drink.
- 15 South Australia (abbr.)
- 16 Added to end of letter.
- 17 Seen in a lot of homes.

DOWN—

- 1 Nice to have.
- 2 Not human.
- 3 Touch.
- 4 Pride.
- 5 Boy's name.
- 9 Has sharp point.
- 10 Used for water.
- 11 North East (abbr.).
- 12 English, Scottish and Australian Bank (abbr.).
- 13 Opposite to walked.



JUNIORS PAGE

THE MAN WHO FOUNDED ANTISEPTIC SURGERY

Joseph Lister was born in 1827 at a place called Upton, in the county of Essex, England. His father was a wine merchant who studied optics in his spare time. Like his father, young Lister loved science.

Joseph became a brilliant medical student, and at the age of twenty-five was a fellow of the Royal College of Surgeons.

When Joseph Lister first studied surgery, far more patients died than lived. Although surgeons were skillful in performing operations, a few days later, infections would set in and the wounds would begin to putrefy. Dr. Lister began to suspect that this putrefaction was carried into the wounds by the air. Then one of his friends called his attention to the work on fermentation done by Louis Pasteur, who had shown that fermentation of wine was caused by bacteria from the air. Lister felt sure this must be the cause of the putrefaction of wounds after surgery. If he could only find some way of destroying the germs, many lives could be saved.

Some time later he heard that a chemist named Calvert had used carbolic acid to disinfect sewage, and he wondered if carbolic acid could be used to kill the germs from the air after surgery. After a great deal of research Lister discovered that he could use a diluted solution, and that it would not harm body tissues. In addition it could be used to sterilise surgical instruments.

He tested out his antiseptic and it was highly successful. Out of eleven patients on whom he used the antiseptic, only one had died.

JUNIOR CROSSWORD

No. 1

This month, we publish the first of our Junior Crosswords. It has been prepared by Mr. J. Lewis, Loco Driver, Berrima.

Contestants up to and including 12 years of age can enter. There are three prizes of 50 cents each to be won. There are some alternative answers to the clues. If you read the clues carefully, you should be able to find the correct answers.

Send your entry to THE EDITOR, A.P.C. AND S.P.C. NEWS, BERRIMA. Closing date for receipt of entries, 14th July.

JUNIOR CROSSWORD ON PAGE 11

FISHY TALES

(by RUS GREAVES)

I've just pulled out an old paper, a month old, but I notice in the Greenwell Point fishing news, is the record of Barney Eddy of Marulan. Barney landed 21 bream, 15 flat-head and three tailor! This isn't a bad effort.

A documentary on Tuggerah Lakes recently pointed to bad pollution. This lake, like many on the coast that join the sea, is silting up at the entrance, and seaweed and algae growth is gradually strangling the lake's life. Also contributing to this are washings of various chemicals from the orchards, and effluent from the power house. Quite a lot of alteration is evident in our local shore line. Twenty-odd years ago, we used to fish Comerong Island beach, and the waves washed right up to the vegetation at high tide.

Now the sand slopes out for 100 yards or more! If nothing is done in the way of dredging, I suppose all the river and lake entrances will silt up, and flooding of the surrounding country will increase.

Some dredging has been carried out in recent years at Shoalhaven Heads, but even though the channel was deepened, it sanded up again.

This kind of problem, no doubt, could be solved by the marine experts. They did a good job at North Haven where a breakwater was constructed in such a manner as to keep the bar from sanding up.

No doubt you saw the dolphin documentary on TV? This was most interesting; and quite a deal of research is going on with the idea of communicating with these creatures. It is quite possible that, in the future, we may be able to decipher their thoughts. They may be persuaded to tell us where the fish are! z

MARULAN RETIREMENT

Selby (Sylvester) Wells retired on 19th June, 1971. Selby worked on various jobs during his 36 years with the quarry. He was Euclid truck driver, loco driver, and finally worked on the Hydration Plant. Selby was always a hard worker. He is a keen vegetable gardener, and hopes to continue this during his retirement.

At the beginning of the depression, about 1932, Selby worked in the quarry for about nine months. At that time, the limestone was loaded by hand into horse drawn carts. He left the quarry and returned in 1935. He has been there ever since.

A recent hobby of Selby's is the buying of old houses, doing them up and selling at a profit. It seems that at the age of 69, Selby is still very active. We all join in wishing Mr. and Mrs. Wells good health and many happy years.

THE TOM ROACH STORY

Joined R.N.V.R. in 1917 as a signalman. Drafted to Sheerness Naval Base (Kent) — HMS "WILDFIRE" and served in Drifters and Trawlers forming Coastal Defence and Mining Operations. Took part in Rescue Force picking up survivors after the Zeebrugge raid at Ostend in which the Royal Navy scuttled concrete-filled ships in the entrance to the harbour thereby trapping German warships lying at anchor inshore.

Witnessed surrender of German high fleet, in the North Sea, to the British Atlantic Fleet (under the command of Admiral Beatty). A most impressive and never-to-be-forgotten sight. The Germans steamed slowly between two lines of British war ships whose guns, on every vessel, were trained on the ex-enemy and followed them — ship for ship — menacing and silent, just in case Jerry had any ulterior motives.

After demobilisation returned to "civvy street" for a couple of years, rejoined in 1921 — this time in the Royal Navy as a Supply Assistant in the Supply and Secretarial branch covering all aspects of stores, i.e., victualling, clothing, utensils and general.

Served in destroyers, cruisers, battleships and shore bases in the Home Fleet, Med. Fleet, East Indies Squadron and China Fleet.

After the fall of the Tsarist regime in Russia took part in the defence of British interests against the Bolshevik horror in Russian sea ports, namely Riga, Memel, Libau in Lithuania, Latvia and Estonia.

The plight of the people was most pitiful, the cruelty of the Bolsheviks terrible.

In 1923 took part in the relief of distressed Armenians in Smyrna and Constantinople at the time of the Turkish trouble under Attaturk. Then in 1927/28 was part of the force in the defence and relief of British subjects in Shanghai and Nanking when Chinese war lords and General Chiang Kai Shek were battling for power.

The next "incident" was in Palestine when in 1936/37, a squadron was sent to Haifa and Jaffa "to look after things" as a result of the Israelis, and Arabs getting at loggerheads. This was a nasty job and the Admiralty struck a special medal for services rendered.

Came the Great War and soon found myself mixed up in the Dunkirk epic. After a sojourn in hospital was sent to the battleship "Resolution," a unit of "H" Force operating from Gibraltar, in company with the famous "Ark Royal."

"Resolution" had been torpedoed and was receiving first aid to enable her to return to England and thence to the U.S.A. (with a load of gold bullion for repair).

After a very pleasant four months in Philadelphia returned to duty and formed a squadron — after the fall of Singapore, in the East Indies with a base at Mombasa — East Africa. An urgent draft from "Resolution" found me on board the cruiser "Capetown" and enroute to the Persian Gulf for protection of oil tankers maintaining a supply line.

Returning to England in 1944, I was drafted to a shore base on the east coast at Lowestoft (HMS "Martello") from which small craft such as motor torpedo boats and other boats operated.

This was my last "job," as the following year the war ended, but I was retained for another year in order to close the base down and "restore conditions as found." Phew! What a trojan job! And so after 28 years, I bade the Royal Navy a sorrowful farewell.

NOTE: Tom has been with S.P.C. for 11 years. He retired on the 11th June, 1971.

Tom's hobby is painting in oils, and he hopes to do a great deal of this in retirement. He is a member of the Berrima District Art Society.

We all wish Tom and his wife health and strength and a very happy retirement.

Tom will be writing a series of articles for this magazine dealing with some of his experiences in more detail.

ooOoo

DON'T KNOCK IT— 'TILL YOU TRY IT?

The "Industrial Supervisor" of November, 1970, quoted excerpts from a graduation address by Dr. Eric A. Walker, president of Pennsylvania State University.

Because of the unusual angle of approach it is reproduced here:

Pointing to the assembled guests of the graduates, Dr. Walker said:

"I would like you to look and see some of the most remarkable people ever to walk the earth!"

"These, your parents and grandparents, are the people who, within just five decades — 1919 to 1969 — have, by their work, increased your life expectancy by approximately 50 per cent; who, while cutting the working day by a third, have more than doubled per capita output.

"These are the people who have given you a healthier world than they found, and because of this you no longer have to fear the epidemics of flu, typhus, diphtheria, smallpox, scarlet fever, measles or mumps that they knew in their youth. The once dreaded polio is no longer a medical factor, while TB is almost unheard of.

"Let me remind you that these remarkable people lived through history's greatest depression. Many of them know what it is to be poor, what it is to be hungry and cold.

"And, because of this, they determined that it would not happen to you, that you would have a better life. You would have food to eat, milk to drink, vitamins to nourish you, a warm home, better schools and greater opportunities to succeed than they had.

"Because they gave you the best, you are the tallest, healthiest, brightest and probably the best-looking generation to inhabit the land.

"And, because they are materialistic, you will work fewer hours, learn more, have more leisure time, travel to more distant places and have more of a chance to follow your life's ambition.

"These are also the people who fought Man's grisliest war. They are the people who defeated the tyranny of Hitler, and who, when it was all over, had the compassion to spend billions of dollars to help their former enemies to rebuild their homelands.

"These generations have made more progress by the sweat of their brows than in any previous era — and don't you forget it! And, if your generation can make as much progress in as many areas as these two generations have, you should be able to solve a good many of the world's remaining ills.

"But it won't be easy. And you won't do it by tearing down or belittling. You may, and can, do it by hard work, humility, hope, and faith in mankind. Try it!"

BITS AND PIECES

Flies are able to walk upside down on a ceiling because they have three pairs of legs and on each are two hairy pads.

These are known as pulvilli.

The pads secrete a sticky liquid and this enables the fly to walk upside down on any surface, no matter how shiny.

Did you know that a fly has five eyes?

They have two big ones covering most of the head, and three smaller ones set in a triangle in the centre.

ooOoo

If any living thing is completely dried it either dies or suspends its activity until it gets water.

Because all living things must drink in one way or another, it follows that fish must drink.

However, when we watch fish in an aquarium, we must not suppose that they are drinking, although they appear to be gulping the water.

To live, fish must also breathe, and, as they pass their lives under water, they must breathe from the oxygen dissolved in the water.

When we watch them they are breathing by passing water through their gills.

These gills serve as lungs and are specially suited for this task. As the water passes through their gills it yields up to their blood the oxygen it wants, but the water is not drunk.

ooOoo

The hedgehog has a most ingenious way of killing snakes.

When hunting down a viper, it creeps up behind it and nips it tail sharply and hangs on.

When the snake strikes, the hedgehog curls up to a prickly ball, and the viper succeeds in wounding itself.

The hedgehog continues to nip, and the snake gets into a maddened frenzy wounding itself repeatedly with continued strikes until it exhausts itself.

The hedgehog then makes short work of the snake.

Gardening Notes



(by MRS. C. C. CROWE)

FLOWERS: Sow — Antirrhinum, Calendula, Coreopsis, Godetia, Larkspur, Linaria, Lupin, Nemophila, Sweet Pea; Plant — Antirrhinum, Calendula, Canterbury Bells, Bellis perennis, Foxgloves, Iceland Poppy, Pansy, Polyanthus, Hollyhock, Stocks (tall and dwarf), Violas.

VEGETABLES: Sow — Broad Beans, Parsley, Peas; Plant — Asparagus, Eschalots, Garlic, Horse Radish, Jerusalem Artichoke, Rhubarb, Strawberries.

We have had a little light rain and some heavy frosts during the past month, which have made most of the coloured leaves fall and given rather a bleak look to many gardens which have no evergreen trees or shrubs to give winter colours. Amongst these evergreens are the majority of the Cypress, Junipers, Retinosporas, Cedars, Thuyas, Pines, Cryptomerias, etc., many of which can be obtained in dwarf species, to suit the small garden. There are also quite a number of evergreen flowering shrubs, which will grow from two to ten feet high.

This month, the Luculias are flowering in sheltered spots, also Japanese Allspice and Autumn flowering Cherries, and Viburnum fragans. The Camellias sissauas are still in bloom and the first of the Camellia japonica will also bloom towards the end of June.

This is Rose planting month, so order your plants now and get the soil ready to receive them:—

"Roses, lovely Roses,
Earth smiles where'er you grow
With breath so sweet,
None can compete,
Of all the blooms that blow."

—J. K. BLOGG.

Most of the hardy Roses are very generous and will bear flowers the first year after planting.

Deciduous trees and shrubs which need pruning, and fruit trees, may be pruned this month.

DO NOT PRUNE Roses until July.

DO NOT PRUNE Flowering fruit trees until after they have bloomed. All deciduous trees and shrubs including Fruit Trees and Berry Fruits such as Currants, Gooseberries, Raspberries, etc., may be planted now.

Dig over the vegetable garden and leave the part which is not being used in a rough state to sweeten, until the time for the new season's planting approaches. Spray fruit trees with a winter spray of Bordeaux, removing all mummified fruit from the trees. If scale is present, a spray with oil will also be necessary.

SAFETY SLOGAN RESULTS

1st prize: \$3.00, Alan King General Office — **CARE MEANS MORE THAN SAFETY, IT COULD MEAN YOUR LIFE!**

2nd prize: Roger Seville, Colliery — **KEEP IN THE SAFETY WAY, NOT IN THE WAY OF SAFETY.**

The following receive \$1.00 each.

Mrs. M. Roach, Berrima — **IF YOU HEED ALL THESE SLOGANS, CONCERNING SAFETY, YOU'VE A GOOD CHANCE OF LIVING 'TILL YOU'RE WELL PAST EIGHTY!**

Greg Mackey, Burrawang — **WORK HARD, WORK SAFE, AND THINK BEFORE YOU RACE.**

Mrs. E. Radnidge — **SAFETY SLOGANS, SAFETY BELTS, READ THEM, USE THEM, ENJOY GOOD HEALTH.**

Mrs. J. Dickson, New Berrima — **FOR SAFETY YOU CASH YOUR COUPONS, WITH-OUT IT YOU CASH IN YOUR CHIPS!**

Mr. J. Dickson — **SAFETY GEAR LEFT IN YOUR LOCKER, MAY MAKE YOUR WIFE A WIDOW.**

SEE PAGE 12 FOR THIS MONTH'S SAFETY CONTEST.

CONGRATULATIONS

Nine more apprentices complete training. BERRIMA: Electrical — J. Hackett, L. Donati, G. Turczynski; Fitting and Turning — R. Rutledge, G. R. Limond; I. Beaton, G. Knapcan.

Marulan: Fitting and Turning—G. Thompson, D. MacCallum.

ooOoo

travelling on the Princes Highway to Melbourne visit the Lakes Entrance Antique Car and Folk Museum.

Situated three quarters of a mile east of the footbridge, on the highway, the Museum is open daily from 10.00 a.m. to 8.00 p.m.

CREDIT UNION RULE CHANGES

The following Credit Union Rule changes have been approved and registered.

- No. 1 Family Membership is now available to S.P.C. Employees and A.P.C. employees at Berrima.
- No. 2 Maximum Loan Limits have been raised to 4,000 dollars subject to approved securities, repayable over maximum period of 10 years.
- No. 3 Continuity of membership. Members may continue to hold membership even though they leave the employ of company.
- No. 4 Alteration to unsecured loan limits. 2,000 dollars if loan repaid over five years. 1,000 dollars subject to board approval with no time limit imposed.

The Credit Union membership now exceeds 560, with deposits of over \$300,000.
ooOoo

The art of getting along with a woman is understanding what she does not say.
ooOoo

A gangster's wife was badgering him for money, "Okay, okay, stop nagging," grumbled the man. "I'll get you some as soon as the bank closes."
ooOoo

Diner Waitress: "How did you find your steak, Mac?"
Truck Driver: "It was just luck. I happened to move a piece of parsley and there it was!"
ooOoo

No man is completely worthless. He can always serve as a horrible example.
ooOoo

WORDS OF WISDOM

We can easily manage if we will only take each day the burden appointed for it. But the load will be too heavy for us if we carry yesterday's burden over again today, and then add the burden of the morrow to the weight before we are required to bear it.

JOHN NEWTON,
(1725-1807) English Anglican
Clergyman and author.

RYTEWORDS

No. 1

A new contest of skill prepared by Mr. J. Lewis, Loco Driver, Berrima

FIRST PRIZE: \$2.00. Two runner-up prizes of \$1.00 each

	A	N			Used in several homes.
	O	N	E	Y	Everyone should have this.
	A				You need to know the best ----- for fishing.
	E	A	T		Needs to be comfortable.
	O	G			To get lost in one could be fatal.
T				E	Most fishermen know the best ----- to fish.
	A	N			Not good for nerves.
S	I	L			Associated with a worm.
	A	T	C	H	A good ----- is needed for security.
	I	G	S		A lot of people don't like these.
		T	T	L	E Useless without water.
	A	C	E		A fast one could upset runner.
	A	G	E		Senseless to get into.
	O	V	E	R	May often mislead.
		I	R	T	You may dislike this particular type.

Read the clues very carefully, the correct answer depends on how the clue is worded. There are alternative answers to each clue. The correct answer will be held in a sealed envelope until the entries are examined on 14th July, the closing date for receipt of entries. The standard of reference is the Encyclopaedia Britannica.

TRY YOUR SKILL

If no answer, agreeing completely with the sealed solution is received, the first prize of \$2.00 will jackpot, being added to the following month's prize.

The two runner-up prizes will be one-dollar each, and will be paid each month to the entrants with the fewest mistakes.

LAST MONTH'S CROSSWORD RESULT . . .

FIRST PRIZE — \$2.00: Mr. Tom Sharkey, Marulan; SECOND PRIZE — \$1.00: Mr. Jim Dray, Moss Vale; THIRD PRIZE — \$1.00: Mrs. A. Johnston, Marulan.



and



NEWS

AUSTRALIAN PORTLAND CEMENT LTD.

and

SOUTHERN PORTLAND CEMENT LTD.

Berrima — Marulan — Medway — Sydney

JULY, 1971—Vol. 1, No. 2

A.P.C. and S.P.C. NEWS

VOL 1 — No. 2

JULY, 1971

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5th of the month.

A MESSAGE FROM THE PRODUCTION SUPERINTENDENT

June saw two production records established in the Berrima plant. One was related to clinker production from No. 5 Kiln and the other to power generation by the Power House.

The clinker production record was that 75607 tons were produced from No. 5 Kiln for May/June and this broke the previous two monthly record of 74375 tons set in May/June, 1969.

Congratulations for this must go to the burners and shift foremen and also to many other sections of the plant since the record also involved grinding record tonnages of slurry under difficult conditions and an improvement in kiln availability due to a reduction of mechanical and electrical breakdowns.

The Power House set a new record of 5,953,000 units compared with the previous

record of 4,906,500 units set in August, 1964. This new record was set using the new No. 2 alternator which was described in the last issue of the A.P.C. and S.P.C. News.

The basis of comparison is not strictly the same since the old records used five boilers and three turbines while the new one used two boilers and one turbine but it still represents an outstanding achievement as it required running the boilers at very high loads continuously and running the new alternator at a greater than design load.

So congratulations to all Power House staff on a good effort.

Since records are only set to be broken, let's hope that these records won't stay as long on the books as the previous ones have.

W. GALE.

EDITORIAL

One of my daughters once mentioned to me of how certain children she knew, did not say "please" or "thank you," or pushed past instead of politely saying "excuse me please." In effect they lacked what should be the common courtesies. This, no doubt could be traced to surrounding influences during the formative years. Perhaps you remember being taught to send "Thank you" letters when you received birthday or Christmas gifts. Many of course do not trouble to do this, but these simple everyday things are the very foundations of communication.

We may wonder why there seems to be such a lack of understanding today. Much of course, can be traced to the speed of living, the feeling that we have so much to do, and so little time; but the person who can take the time to try and understand his fellow man, is the one who has found one of the great secrets of effective communication.

I remember reading of a new owner who was looking over his property. At one of the boundaries he met his neighbour. This particular one was evidently looking for a fight, "you may not know," he said, "but when you bought this property you also bought a law suit." He went on to explain that the boundary fence was ten feet over on his property. The new owner replied something like this "I'm glad I met you, I wasn't aware of this, I'll tell you what to do, move the fence to where you think it ought to be, and send me the bill." Needless to say, the fence remained where it was, and the enemy became a friend.

Lack of communication can so upset human relationships that a home, a community, an industry, can be disrupted.

Let us endeavour to take the time we need, to try and understand each other, to have a look at each other's problems. To communicate more with our wives or husbands, our children, our workmates. This can lead to closer comradeships and happy homes.

Or in the sphere of our plant, more communication between individuals, departments, and various sections, between workers and management, management and workers. This surely could be one way that would lead to smoother running, and progress.

THE EDITOR

HEARD ON THE GRAPEVINE

BERRIMA

A newcomer to A.P.C. (Costs) is Lyn Godfrey, who previously worked for her husband in their family business — Plastic Vacuum, formed components for transformers and resin encapsulating Jeffrey Loco field coils. Lyn and her husband are kept busy breeding German Shorthair Pointers. Her son Michael works in the Lab. as a sampler.

ooOoo

When you get the opportunity, do not miss seeing the new safety film now showing on Thursdays. It is entitled "The Roll of Drums," and is a "thriller."

ooOoo

Mrs. Sue Pull commenced work in the General Office at the end of June. She has taken up a position as clerk in the Accounts Department. Before commencing here, Sue was a stenographer with the A.M.P.

ooOoo

Mrs. Kay Francis also started in June as a typist. Before starting here, Kay was a typist with Renison Ltd., (a tin minning firm) in Tasmania. Kay has only been in the district for three months.

ooOoo

Mrs. Jan Williams started in the General Office on Monday, July 5th as a Typist. Before commencing here, Jan was a typist for the M.L.C., in Canberra.

ooOoo

Good to hear of the safe arrival of Scott Brady, only child of Bruce and Rhonda Churchill, of Moss Vale. Rhonda was a typist in the Typing Pool.

ooOoo

Congratulations also to Terry Sullivan who won the July monthly medal at Highlands Golf Club, Mittagong, with a nett 57.

ooOoo

Alan Mathison is now a Grandad. His married daughter in New Zealand, now has a baby daughter, Vicki Lee. Congratulations.

ooOoo

Jim Colquhoun recently returned from seven weeks long service leave. He spent an enjoyable time at Brampton Island.

COLLIERY

Glad to be back at the Colliery after his two years in the Army is Andrew Roseby. Andrew will continue studying his Coal-Mining Certificate Course and Coal-Mining Surveying Certificate course. He spent most of his time in the Army at Bendigo in Victoria doing field work connected with surveying.

Join your Credit Union and share in the benefits. Remember that members of your family can now join. See any Director, Mr. L. Humphries, Employment Office, Mr. Bill Strong, Mr. Lionel Bush of Mr. Jack King, Store.

MARULAN

Les Graham assistant Burner at the Kiln is on annual leave. He will spend most of his time on his small pig farm.

ooOoo

The editor regrets that information published in this column last month regarding the transfer of Mr. E. Bazeley and the promotion of Mr. K. Muenster of Marulan was inaccurate, and offers sincere apologies to all concerned.

ooOoo

Tony Cosgrove, Maintenance Planning Officer, at Marulan Quarry, recently suffered a broken leg while playing a friendly game of soccer. We wish him a quick recovery, and hope he will soon be back on the job.

ooOoo

Noel Newman, our Quarry Blacksmith is at present building himself a 14ft. half-cabin launch in his spare time. Noel expects to have it completed by the next long weekend, and plans to take it on inland dams and streams on fishing excursions.

ooOoo

We regret to hear of the death of Barry Weston, a former employee of S.P.C. and brother to Fred, who is a foreman at the Quarry. To the family we offer our deepest sympathy.

ooOoo

Motor cycles are becoming more and more popular despite the cold weather. The most recent owners being Peter Knowles, Russell (Ben) Bell, and Bob Hogan.

ooOoo

We wish to offer our congratulations to Noel and Kay Steffenson on the birth of their first child, a girl. Noel is an electrical fitter at Marulan and Kay previously worked in the general office at Berrima.

Congratulations also to the grandparents Mr. and Mrs. C. Steffenson, Marulan South, and Mr. and Mrs. Albert Quail of Moss Vale.
ooOoo

During a recent fishing trip organised by a section of the maintenance employees, no outstanding catches were recorded. In fact, about 50 percent of the party was seasick and the rest drenched to the skin by the spray from the trawler and the heavy rain. Keep trying boys, eventually you'll get a good day.
ooOoo

New starters at the Quarry — A. Carter and R. Jackson-Hope. We wish them a long and happy stay.
ooOoo

We hear with regret that Ray Bell who has been employed by S.P.C. for 31 years, has been forced to retire due to illness. His work-mates trust that he will regain good health, and wish him a long and happy retirement.
ooOoo

It is good to see Cec Cluney back on the job again after a long illness.

SAFETY FILM

The film, "Dancing Dolls," which has recently ended its run at the weekly Safety Meeting, highlighted many situations and thoughtless actions that can cause casualties. It stressed the following points:

1. Never take your eyes off the road ahead whilst driving.
2. Make sure that a Fork-lift load is safely stacked.
3. Never allow your attention to be diverted from the job in hand.
4. Always look where you are going.
5. Take extra care when reversing a truck or other vehicle.
6. Never carry a load with vision blocked, especially down steps.
7. Never allow arms or legs to dangle over the side of a truck.

NEW STARTERS

The following recently commenced work with A.P.C.

Technical Services Centre—Roy de Coque, Colin Randall, Greg Manley.

Production — John Feeney, Peter Fibig, Syd Carey.

Maintenance — Swen Fischer.

Also one new apprentice boilermaker, Allan Pepper and Don Dagna who left last September.

NATURE NOTES

(By CHRIS SONTERR)

Australia surely must have more species of black and white birds than any other country in the world.

Well, it seems that way. I just had a quick look through some of my reference books and came across at least 25 birds which are black and white or grey and white.

These birds range from the petite hooded Robin to the fairly large Magpie Goose of Northern Australia.

For a moment, I was forgetting the state-ly Jabiru, Australian Pelican, and the Black Swan.

I guess that to many people, a black and white bird, just doesn't have the same appeal as a delicately coloured bird, but, I can assure you, for what they lack in plumage colour, they make up for in song or calls.

One of our best songsters is the Pied Butcherbird. This handsome and bold bird calls best in the early mornings of Autumn and Spring. Most of the Butcherbirds are beautiful songsters, and so are the three species of Magpies. These are fairly common to us, but there is one bird whose song has a special meaning.

This particular bird is the Restless Flycatcher or Scissors Grinder, mostly known as the Rain-bird. The bird has won itself this name because when it utters a whistle like that of one whistling for a dog, it is a sure sign of rain.

Normally, the bird just utters a note or notes similar to that of a pair of scissors being ground on a wheel (hence the other name of Scissors Grinder). However, with the combination of both calls and its agitated hovering flight above a stream or swamp, it means business. Generally two or three days to get the raincoat out.

ooOoo

The best animal killer of venomous snakes is the Mongoose.

However it does not go looking for snakes. The plain fact is that it is utterly fearless and a most efficient killer.

In some countries they are kept as pets to rid properties of rodents and snakes. They were imported into the West Indies at one time but so well did they do their job that they soon got rid of rats and snakes and were without food. Then they started on lambs and chickens and the government stopped them from being imported into the country.

GOULBURN TECHNICAL COLLEGE PRESENTATION OF PRIZES AND CERTIFICATES

The Principal, Mr. Giri mentioned among other things in his report that enrolments are steadily increasing.

Sixteen new courses have been added at Goulburn and subsidiary centres since 1969.

Attendances of teachers at Careers Nights and their participation in activities associated with Apprenticeship Week; support the conclusion that there is more unfilled demands for people at apprenticeship and technician level than at any other level.

To avoid the possible drying up of a qualified work force employers would be well advised to give more emphasis to the matter of apprenticeship training programmes.

Regarding Accountancy, the certificate course was again extended to country areas in 1971 and is fulfilling a great need, particularly with students having as a qualification the Higher School Certificate.

Moss Vale Students' Ball continues to be an outstanding success. Proceeds of the evening are distributed to charity and students amenities. This year, for the first time, final year students from all apprenticeship courses, were invited to attend a farewell dinner to mark the completion of their period of training as an apprentice.

Requests to accelerate the construction of a Technical College at Moss Vale appear to consolidate an urgent need for a commencement date to be set. Representatives from industry and other organisations are awaiting a reply from the Minister for Education.

Mr. Giri continued with these words: "To prize winners and those receiving certificates and statements, please accept my congratulations for a job well done. Because of your achievements, you as individuals, particularly those in the younger group, will no doubt have to accept a challenge to leadership in your particular field. To those not listed in the programme, remember that the eminent positions in life are not always awarded to those with outstanding academic possessions.

Mr. Giri closed by wishing the students every success, and thanking them for their support, good conduct and understanding of the values of citizenship, so necessary in a free society, and with this, its duties as well as its privileges.

SPEECH DIGEST

Digest of speech made by Mr. J. E. Gillis Senior Assistant Director Department of Technical Education.

I would like, through your Principal, to give you the Department's gratitude to the District Committee, which is composed of prominent people of the area who advise the Department of the types of courses which should be offered.

We must consider more training, and re-training, to meet the demands of the future. What kind of a future will it be?

I think it will be an age of speed — speed of travel, supersonic transport. On land, trains are getting faster. Tokyo to Kyoto 103 m.p.h. Moscow to Leningrad about 125 m.p.h., America, England and France all experimenting with various types.

Speedier communications, the Laser T.V. via satellite, and so on.

There will, no doubt, be new sources of energy, atomic devices, plastics of modern material. We have a plastic watch that never needs oiling. Glass in the Concorde will withstand a pressure of 50 thousand lbs. per sq. inch. There may be a new type of fibre, impregnated with graphite fibre, stronger than steel. Scientific developments seem to be science fiction coming true.

Work forces will have to be re-trained perhaps three times in a working life. I would like to congratulate all students for seeing the need and taking the time to gain new qualifications. To all of you, every success in the future.

PRIZEWINNERS

Prizewinners from S.P.C. and A.P.C. at Goulburn were as follows:

FITTING AND TURNING—

- G. Rowley, 1st prize in Stage 3.
- R. Goward, 2nd prize in Stage 2.
- G. Hinton, 1st prize in Stage 1.
- G. Plonski, 2nd prize in Stage 1

ELECTRICAL—

- M. Berry, 1st prize in Stage 3
- C. Bromfield, 2nd prize in Stage 3.
- B. Rowley, 2nd prize in Stage 2.

SPECIAL WELDING—

- G. Knapman, 1st prize.
- G. Drewe, 2nd prize.

ACCOUNTANCY CERTIFICATE—

Chris Hutchinson, General Office, Berrima.



1. Mr. Giri, Principal.
2. C. Hutchinson receiving Accountancy Certificate from Mr. Gillis.
3. Gerard Rowley receiving the special award, A.E.U. Shield for highest pass Stage 3, from Mr. Brewer, M.L.A.,
4. Gary Hinton congratulated by the Deputy Mayor of Goulburn.
5. B. Rowley, Chris Bromfield and M. Berry.
6. Mr. G. E. Gillis, Senior Assistant Director, Department of Technical Education.
7. Mr. and Mrs. C. Hutchinson.



ABOVE: Mr. K. Graham, Maintenance Foreman, A.P.C., Mr. D. Davidson, Quarry Superintendent, Mr. K. Delderfield, Quarry Engineer, Mr. F. L. Veal, Works Manager, Berrima, Mr. S. Marshall, Works Chemist, A.P.C., Berrima, were present at Goulburn Prize-giving, Mr. E. Radnidge, Apprentice Training Foreman, and others representing S.P.C. and A.P.C., were also present.

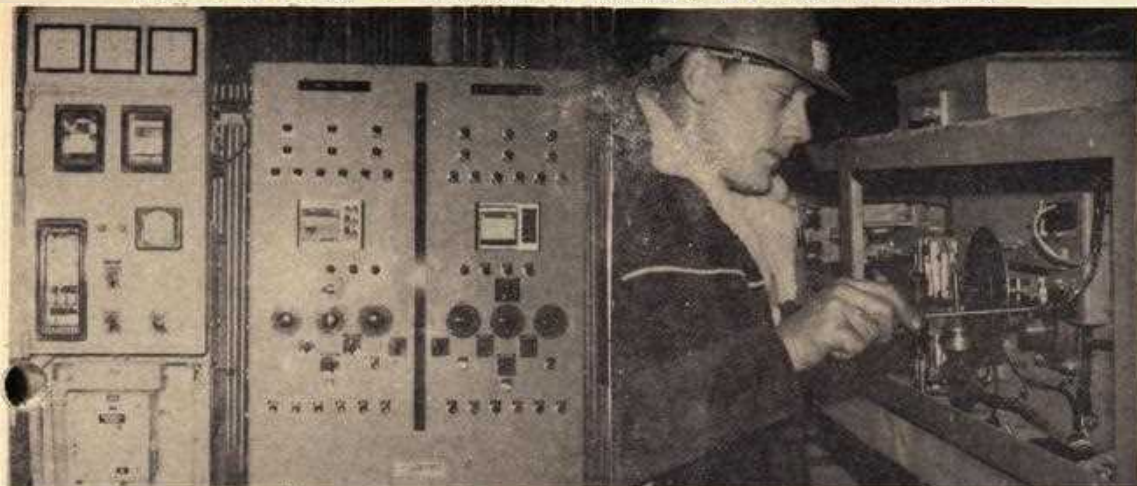


Seen chatting with Mr. Radnidge is Mr. Barry Naylor, B.H.P.-A.W.I. Special Cadet, who visited A.P.C., Berrima, this month.



Mr. D. D. Berry, Superintendent, Electronic Data Processing, A.P.C.

Nos. 3 and 4 CEMENT MILLS WEIGHFEEDER



View of the Main Control Panel for Nos. 3 and 4 Mill Weighfeeders. To the left is No. 3 Mill switch.

Mr. Doug Oliver of Howe Richardson, adjusting the Minimum Feed Alarm.



The weighing mechanism of the Clinker Feeder.

The Material Depth Regulating Equipment.
Roger King at left.

At present, six Howe Richardson series 300 D50 gravimetric feeders are being installed at Numbers 3 and 4 Cement Mills.

These feeders will be automatically controlled from a central control cabinet which has been installed beside No. 3 Mill switch.

From this control panel, the desired blends of clinker, gypsum and or pozzolan, to be fed to the mill can be selected. The operator can adjust clinker feed from 0-16 tons per hour, gypsum, 0-2 T.P.H., pozzolan 0-12 T.P.H. Once these have been set, the feeders will automatically control these values to $\pm 1\%$.

The operator can control his mill load manually by a percent load potentiometer, thus maintaining correct blend, for any desired

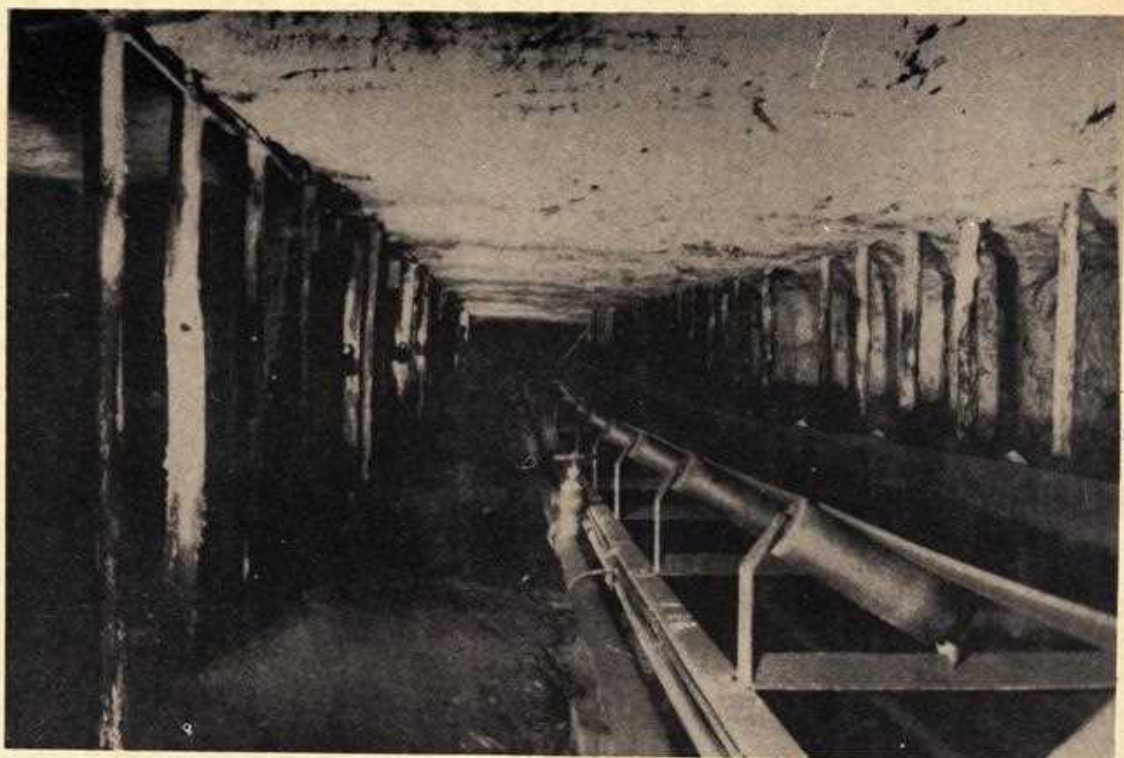
"total" feed rate to the mill.

Provision has been made so that this mill feed rate can be automatically controlled by the mill motor load.

The feed rate of the weighfeeder is set by the belt speed, and the correct weight is maintained by varying the material bed depth.

The three feed rates will be recorded in tons per hour, on a Foxboro recorder and the total tonnage of each substance is registered on a counter.

The main control panel houses various alarms. These are: material overweight; material underweight, no feed alarm and belt not tracking; separately for each feeder.



Two views underground — The top picture shows part of No. 2 Conveyor.

S.P.C. MEDWAY COLLIERY IN PICTURES

(More next month)



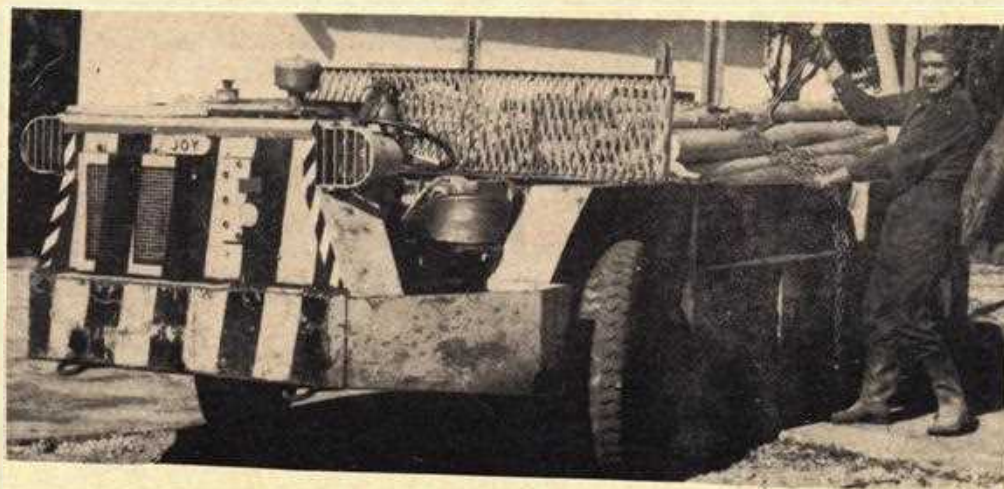
Mr. J. Good, Colliery Manager, Mr. Clarke, Chief Mining Engineer, Joint Coal Board, Mr. Wright, Southern District Mining Engineer, Joint Coal Board.



Mr. Don Ray, Under-Manager

Mr. Max Snorpe, Chief Clerk.

Andrew Roseby, Trainee.



Bill Stinson securing a load of props on the Joy Scout Car



For many years, S.P.C. have pressed to install Traffic Lights at their Railway Crossing on the Hume Highway. This has now come to pass.



Mr. Jim Colquhoun, Production Foreman, A.P.C., Berrima, worked on the site of S.P.C. before production commenced, and has now been on the job well over 40 years.



ABOVE: Credit Union members voting on the rules change.

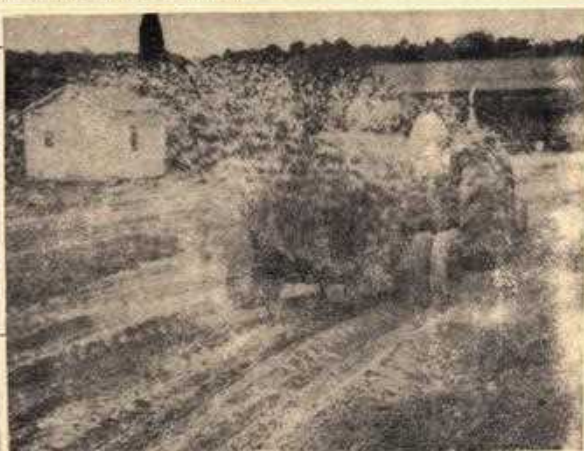
BELOW: Tom Roach with some of his young ladies.



LIME STABILISATION



Lime spreading and mixing

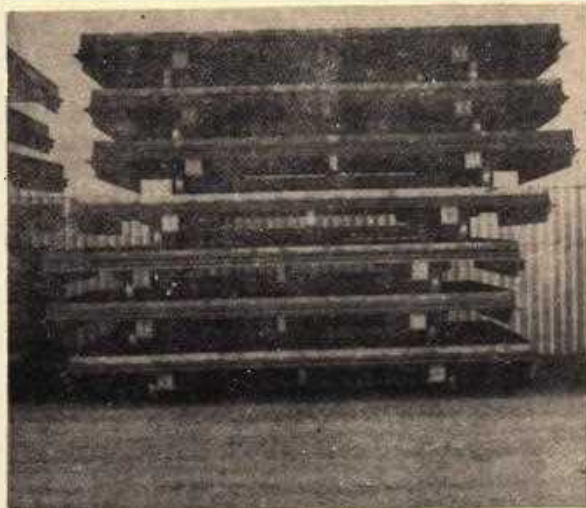


Adding water.

RIGHT: GRADING.



BELOW: The finished job can bear heavy loads. Here are seven steel kiln-cars, each one weighing two tons.



ABOVE: At left, unstabilised clay; At right, Stabilised clay which has been submerged in water since November 9, 1970.

SEE ARTICLE ON PAGE 12

LIME STABILISATION

(By COL PICKERING, Marulan)

Lime stabilisation was known to the Romans over 23 centuries ago, but the art was lost for some 2000 years.

Then in 1945, the Texas Highway Department built the first modern lime stabilised road. It consisted of a six-inch clay gravel base stabilised with three percent lime, a double bituminous surface treatment, and on top, a one-inch asphalt mat which was applied eight years later.

A core, taken from the stabilised section, fourteen years after, had a strength of 500 pounds per square inch, about ten times stronger than the original base material.

Since that first road, lime stabilisation has become an important and well proven road base construction method in the U.S.A. and has spread to at least 25 other countries.

In America alone, the demand has increased to the extent that the equivalent of 3,500 miles of twenty-foot roadway is put down each year.

Australia has been much slower to realise the potential of this method of roadmaking. This has probably been due to the ample supplies of natural, high quality road base material, previously available in many areas. Also until recently there has been a comparative scarcity of lime suitable for this work. The term lime as used here, means burnt or hydrated lime, not agricultural lime, which is calcium carbonate and does not react with clay in the required manner.

As more and more roads have been built, the supply of high quality natural materials has dwindled, until in some areas it is now necessary to transport it many miles.

This of course means a high increase in the cost, and consequently much thought is now being given to methods of utilising the local materials present on or near the job. One of the most common of these materials is clay, and it is on clay that lime stabilisation is most effective.

In the past, clay has been a great problem to roadbuilders in a number of ways.

When dry, it is hard and has high load bearing qualities. These change dramatically when wet. The clay swells, and it becomes a soft plastic material, with practically no load

bearing capacity, and most unsuitable for roadmaking. It then has to be covered with a sufficient thickness of high quality materials to carry the required loads, or as sometimes happens, be dug out and carted away, being replaced with something more appropriate for the job.

However, by mixing lime with the clay, two basic functions are performed. Firstly, during mixing, the fine clay particles become more like silt or sand. The plasticity and volume change are reduced sharply, the moisture content is lowered and the clay becomes friable.

Secondly, after compaction, the lime reacts with the silica and alumina in the clay to form calcium and alumina silicates. These silicates make the clay more impervious to water, and greatly increase its strength and stability.

This then is lime stabilisation, and the savings possible as a result are considerable. The treated clay has a higher load bearing capacity, and, therefore, requires less cover of high quality material to carry the same loads. Then, being almost impervious to water, it is less susceptible to wet weather and requires less maintenance.

The amount of lime to be added depends on the amount of clay in the soil. Usually it varies from one to five percent of the weight of the soil to be treated.

The lime is spread over the area to be stabilised, either dry or slurried with water, then mixed into the top six inches of soil. On small jobs a rotary hoe or disc plough is used for mixing. On large jobs such as highways and airports, special large machines that thoroughly pulverise and mix the lime and soil in one pass, are employed.

Following the mixing, the area is graded and compacted in the normal manner.

In addition to road building, the process is now being used on airports, parking lots, storage areas, earthen dams, irrigation canals, stockyards and so on.

In Adelaide during the past three years, over 1500 homes built by the Housing Trust, have been erected on lime stabilised "rafts." This is to prevent foundation subsidence and consequent structural damage.

In Melbourne, lime stabilisation was employed during the construction of the runways of Tullamarine Airport, and also on the free-ways from the city to Tullamarine.

S.P.C. recently decided to promote the use of lime stabilisation, and appointed a project officer. As a result knowledge of its advantages are spreading.

S.P.C., in conjunction with Mittagong Shire Council, and the C.S.I.R.O., will carry out lime stabilisation on newly formed sections of the road to Wombeyan Caves. These sections will be fully instrumented, enabling a detailed study of traffic volume, pavement deformation, lateral strain and pressure exertion.

In April, of this year, the Department of Main Roads, lime stabilised $1\frac{1}{2}$ miles of the Hume Highway at Coolac, near Gundagai, with Southern Hydrated Lime.

At Bowral Brickworks, almost 5000 sq. yards of stacking and loading area was lime stabilised. This is just part of an expansion programme in which their present output of 300,000 bricks per week will be doubled by a new tunnel type continual process kiln. At the time of writing 850 cubic yards of concrete had already been used on the foundation.

Farmers are also finding lime stabilisation useful on their properties, and jobs already completed by progressive local men include access roads, holding paddocks and muddy gateways.

JOURNEY INTO DARKNESS

Just a few weeks ago, I visited the S.P.C. Colliery at Medway in order to get information and pictures. Some of the photographs you will see in the pictorial section.

I put on a borrowed safety hat and strapped on my gear, which included a battery and miner's lamp, and entered the Dolly car.

The Joy scout car, which transports men and materials in the mine, was hitched on to the Dolly Car, and away we went on our journey to the foot of the drift. The haulage is automatic, controlled from the Dolly car by the operator. Once in the mine, I rode in the Scout car with Bill Stinson driving. After what seemed an interminable way in the

darkness, Bill fortunately knowing just where to turn, we stopped. I was introduced to a number of "voices" with blinding lights just above them. One or two I recognised.

Before going down, Max Thorpe (chief clerk) had said, "You'd better have some boots, may be a drop of water down there."

Now I found myself stepping gingerly in about one foot of water! Here I saw, fitfully in the lights of the miners around, a huge machine called a roof bolter. The operator, Bon Blair, explained. This machine drives bolts into the roof, through alternate layers of coal and rock. The bolt then expands at its upper extremity, effectively supporting the roof.

Next, we trudged around dark mysterious looking tunnels, through water of varying depths until we reached the coal face. Here, amid a tremendous racket, the Lee Norse continuous miner, was operating, cutting and then loading the coal onto a shuttle car. There are two of these, transporting the coal to the conveyor.

The 48H Lee Norse Continuous Miner is driven by 3, 75hp electric motors. The shuttle cars are also electrically operated on 415 volts A.C. by cable.

Once on the conveyor belt the coal starts on its journey along numbers 1, 2 and 3 conveyors, they are 36 inch belts and the three conveyors cover a distance of 2,800 yards.

The coal is then discharged into a 450 ton bin on the surface.

From the coal face, I was guided by Don Ray, Under Manager and Roger Seville, Surveyor. We walked about $1\frac{1}{2}$ miles to the foot of the drift. How welcome and how bright the light of day seemed as we neared the entrance, this now, was a journey into light.

Along the whole length of the conveyor are emergency stops. The conveyor, if stopped, can only be started again at the point where it stopped.

During the last financial year, the Colliery averaged 772 tons of coal per day.

Back in the manager's office, I noticed a continual clicking and saw an instrument attached to the wall. I was told that this was an extension from the weightometer in No. 1 conveyor room. This is recording and showing continually the tonnage of coal passing into the Bin.

So ended my trip, I had become so used to the boots by this time that I forgot to take them off until reminded by Max.

FISHY TALES

One sees some outstanding sights in the sea! I was just looking at a picture of a Jelly fish, the common one. Looks just like a dancing girl, with its highly coloured and frilled top, and legs dangling underneath!

A word of warning here, beware of the one with the blue circle on top — it is dangerously poisonous, but smaller in size than the common jelly-fish.

Watch that Octopus! Like a villain waving a dozen whips, he seems to say, "Come in, suckers, or I'll squirt you with that murky black fluid."

Of course, camouflaged in that murk one has a feeling he could be anywhere — mostly near one's legs!

A shocking example of unfriendliness is the Electric Eel. Just as well this character is not common on our coasts. Can you imagine him swimming in amongst our surfers. Revolting!

Watch for that cunning little Bullrout when prawning. This is why I like to wear sandshoes when wading. He's a nasty grey and black spiny creature — could have a Flathead father and a rock cod mother (could have been the old lady who lived in a shoe — old boot I mean!) He causes intense pain, and is said to have caused several deaths.

Could you imagine a fish as long as your block of land? The Fin Whale grows to a length of 85ft! Just imagine feeding one! To be quite correct he is not a fish, but is classed as a mammal, anyhow he swims about in the water!

The Thornback Ray, ripples along like a screen conveyor! But the ugliest fish would be the whiskery Angler, looks like an eagles nest! Now the common Atlantic Sea-horse does look a bit horsey, but what, no legs! and the Moon Fish — that lazy, bloated looking thing!

For age, the Coelacanth takes the bun. It is said to have existed from time immemorial. Certainly looks old — just like a bit of tree root with a head stuck on!

Now for a bit of class. The Discus fish, very prim and proper, the Dragon fish and Flying Gurnard, spreading thier delicately coloured wings, or the exotic yet unwieldy Sail Fish!

Then there is that poor fisherman, Jack Brown, who braved the elements to hook a good Tailor, but lost it in the wash! (not associated with the laundry!).

BITS AND PIECES

(By J. LEWIS)

One of the world's smallest books is only one-eighth of an inch square. It was handwritten in 1942 and contains the poems of Edgar Guest.

ooOoo

Microfilm is now becoming increasingly popular in the keeping of records. On a 2-inch square of film it is possible to photograph 24,000 pages of a 25-volume encyclopaedia. A microscope with a 2,000 magnification would be necessary to read each page.

ooOoo

In the fresh water around Java lives a fish that catches its food in a most unusual way. It rises to the surface and shoots insects with squirts of water, and is aptly called the Archer Fish.

ooOoo

Do you know that a spider never runs out of web. The common garden spider lives only for a summer, then it dies. The silk with which it spins its web is a secretion of its body, dependent on the spider's daily supply of food. When winter comes the garden spider dies.

There are spiders that hibernate through the winter, but when the spring comes they resume their spinning.

The webs are not only used for traps, but as life lines when they fall and also as a means of transportation from one spot to another.

ooOoo

The oldest existing book (that is a book printed and bound in covers) is the Gutenberg or Mazarin Bible

It was printed at Mainz in Germany from movable type, the language being Latin and the type, old Gothic or black letter. Begun in 1450, it took six years to complete and is in two volumes. Each page except for a few at the beginning has two columns of forty-two lines.

The fore-runner of all our modern books, a copy is to be found in the British Museum in London.

The oldest book in English is Caxton's Recuyell of the Historyes of Troye. It is a translation of a French book and was printed at Bruges in 1475. The following year, Caxton returned to Westminster and in 1477 printed The Dictes and saying of the Philosophers, the first book printed in England to bear a date.

SAFETY COMPETITION

CORRECT ANSWERS

1. Any loose clothing whilst working with machinery is dangerous. Should also wear safety glasses.
2. Parts on bench carelessly placed, liable to fall off.
3. Not wearing safety goggles whilst grinding.
4. Brushing shavings off drilling machine with hand, should use brush provided also safety spectacles not being used.
5. When watching a welder, the spectator should also use a shield.
6. Boards with nails sticking up should not be left around. Pathways should be clear of obstacles. Workers should look where they are going.

RESULTS: First prize, \$3.00: Mrs E. Cosgrove, Marulan South; Second prize, \$2.00: Mr. Roger Seville, Colliery; Third prize, \$1.00: Greg McKay; Fourth Prize, \$1.00: David Murphy, Goulburn.

If you have not yet joined the Credit Union or Employees' Sick and Accident Fund, call and see the Welfare Officer in the Apprentice Foreman's Office — Machine Shop.

—2nd Corinthians Ch. 12

A.P.C. SUGGESTION COMMITTEE

The following gives details of suggestions accepted by the committee during June, 1971.

SUGG. No.	NAME	DESCRIPTION	AWARD
370	D. Moore C/N 36	Mono-rail for No. 5 Cement Mill	\$10
380	C. Ready C/N 58	Sliding Safety Guard No. 5 Cement Mill.	6
385	W. Best C/N133	Replacement of Steps and Platform by Grating	6
392	P. King C/N222	No. 1 & 2 C.M. Breather Pipe Slide repositioning.	6
401	L. Aitken C/N235	Splash Guard for No. 5 Cement Mill.	6
407	F. O'Neill C/N 350	Overhead Crane Rope Guides.	10
408	K. Coates C/N18	Overhead Crane Grag Steps.	5
410	T. Waide C/N43	Retaining Wall for No. 5 Coal Mill Conveyor.	15
411	T. Waide C/N43	Treatment of Clinker Conveyor Belt	5 (INT)
412	McDonnel C/N141	Boiler Safety Valves.	50
414	E. Tannas C/N217	Re-location of Trip Wires.	10
415	R. King C/N109	Spray Control System.	30 (INT)
424	A. Hare C/N206	Modification of Coler Chute Plates.	8
426	T. Aitken C/N26	Removal of Mill End Journals.	25

GRAEME ANDERSON, Secretary, SUGGESTION COMMITTEE

GARDENING NOTES—By Mrs. C. C. Crowe

FLOWERS — Sow: Antirrhinum, Aquilegia, Carnation, Cosmos, Dianthus, Eschscholtzia, Gaillardia, Godetia, Gypsophila, Larkspur, Lupin, Clarkia, Salpiglossis, Statice, Sweet Pea; Plant: Antirrhinum, Anemone, Bellis perennis, Canterbury Bells, Delphinium, Iceland Poppy, Pansy, Stock, Viola, Ranunculus.

VEGETABLES — Sow: Broad Beans, Celery, Lettuce, Onions, Peas, Radish, Herbs, Parsley, White Turnip; Plant: Asparagus, Artichokes, Eschalots, Garlic, Rhubarb.

The month of June has been extremely dry, added to which we have had very heavy frosts, which have cut back shrubs and plants not completely hardy, browned the pastures and frozen and burst many household taps.

During July most of the deciduous trees and shrubs should be planted and evergreens which have to be moved must be planted and well-watered in new positions before the Spring growth commences. The division and re-planting of perennial plants should be carried out now and the perennial border given a good dressing of old rotted manure or compost.

The pruning of Fruit Trees, Roses and Hydrangeas should be completed this month. Make certain that pruning secateurs and saws are sharp and that they are sterilised after pruning away diseased material. Give Fruit Trees and Roses a good Winter strength spray, after pruning, to eliminate any fungus diseases.

Flowering Apricots are blooming now and Flowering Almonds will be in bloom very soon. This is Violet month and a wander in any garden during sunny weather will find their elusive fragrance scenting the air. Make sure that Rhododendrons and Azaleas are receiving sufficient water while the weather is so dry, as both these beauties have only small balls of fibrous roots, which soon dry out.

Finish straightening up the Vegetable Garden now. Rake the beds evenly and commence sowing so that you will have a continuous supply of luscious, fresh vegetables during the Spring and Summer.

Bait again for Slugs and Snails as these are beginning to forage once again.

OBITUARY

MR. ELCY SABIDUSSI

It is with regret that we record the death of Mr. Elcy Sabidussi.

The funeral was held on July 2nd. It was requested that instead of sending wreaths or flowers the money should go to support cancer research.

Born in Italy in 1905, he came to Australia as a young man, commencing work at Medway Colliery in 1928. He worked along with Sebastian Grilz and in those early days knew George Ferrier, Helen Ferrier's father, and Bill Jones who were contractors.

When the first manager of the Colliery, John Andrews, took over, he gave Mr. Sabidussi the job of cutting and making pit props in the surrounding bush. He would bring them to the pit by horse and dray. In those days he lived in a wigwam, two pieces of wood covered with bark.

He was officially signed on at the mine in 1929. When Locos were first used in the mine he became a driver. Successively he worked on the

pumps, then on shift work, wheeling, then as a coal miner. In the early days he knew very little of the English language, but persevered. He was well liked by all.

During the few years before his retirement at the age of 60, he worked as a bathroom attendant. To his wife and family we convey our deepest sympathy!

MR. E. MOULE

It is with sorrow that we have to report the death of Mr. E. Moule. Ted, who was a Calcinator attendant, died only four months after his wife.

He is survived by his father, brother and sister, four sons and three daughters. His brother also works on the Calcinator at A.P.C.

Ted was with S.P.C. and latterly A.P.C. for 13½ years.

A.P.C. extends condolences to all relatives of the deceased.

"MATCHPHRASE"

Another new Safety Competition

A CONTEST IN THE SKILFUL USE OF WORDS

Choose a word or phrase from the list below. Use it as a starting point for your matching phrase.

You are allowed to add from two to six words to help you make an apt and original comment on the subject of safety.

Your finished "Matchphrase" must impart readers a clear safety message. Double meaning words or phrases, or figures of speech may be used.

LIST OF STARTERS

1. On your toes—
2. Human misery—
3. Time for Safety—
4. Better than cure—
5. Dangerous practice—
6. Safety measures—
7. the right way—
8. Survival—
9. Keep it—
10. Expensive—

Here are a few ideas on how to construct a "Matchphrase". . . Perhaps you may choose to work on starter No. 1 — On your toes — You may ask yourself the question, "What keeps you on your toes? In this matter of safety." The answer may come to your mind, "Safety consciousness." So you could write down first the starter and then your comment, something like this—

One you toes — Safety consciousness keeps you? — and you have a "Matchphrase."

But this same starter could be treated quite differently, what if someone steps on your toes, or a hammer falls on them?

You might treat No. 5 in this way . . .
Dangerous Practice—If we only "Preach" Safety.

The idea, of course, coming from the well-known saying "Practice what you preach,"— or you may choose No. 10.

Expensive — Safety Programme? — "Not on your life."

Here another well-known expression is used in such a way as to have two meanings. The inverted commas suggesting this.

The judges will each be provided with a list of all entries without the names of the entrants. Points will be awarded, and in this way the winners will be determined.

You will enjoy making a "Matchphrase" and could win a prize, but your contribution could have far-reaching results in its prevention of lost time injuries.

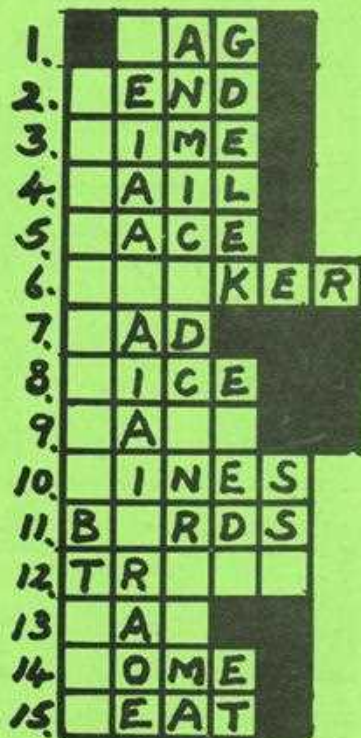
NOTE: A very helpful book for this type of contest is "Roget's Thesaurus."

Solution to Rytewords No. 1

1. FANS; 2. MONEY; 3. BAIT; 4. SEAT; 5. BOG OR FOG; 6. TIME; 7. BANG; 8. SILK; 9. WATCH; 10. CIGS OR PIGS 11. KETTLE; 12. PACE; 13. RAGE; 14. COVER; 15. FLIRT.

Below, the judges give their reasons as to why the above list of words have been chosen as the best answers:

1. Cans and pans would be used in every home. **FANS** in several homes.
2. A person in good health would not necessarily need honey, but everyone needs **MONEY**.
3. Even if you know the right date, and have the mate for fishing, you still need to know the best **BAIT**.
4. A **SEAT**, wherever it is, needs to be comfortable both for safety, and in order to perform ones job in the best way. The type of seat is not defined in the club, and seat is therefore not applicable. Regarding seat, a baby wouldn't worry too much so long as the milk was available.
5. Both **BOG** and **FOG** can be regarded as correct.
6. The best type of fish depends on a person's taste. The **TIME** would need to be known whether the tide was high or low.
7. **BANG** is the best answer. Some music is good for the nerves, therefore band is out. Not ALL gangs would be bad for the nerves.
8. Silk would host many types of worms. But the clue indicates one certain type. **SILK** is the best answer.
9. A good **WATCH**, kept by a watchman is a better answer. A latch or catch, however good, is no real obstacle.
10. **CIGS** seems to be the best answer, owing to the growing number of lung cancer victims, but **PIGS** is also a satisfactory answer.
11. The best answer is **KETTLE**. Bottles have many uses. Cattle would still be used — as food.
12. A fast **PACE** could upset a runner. A fast race would only be entered by one trained for it.
13. **RAGE** is the best answer. It is necessary for some people to get into cages as part of their job.
14. The **COVER** of a book, or a cover thrown over an object, can mislead. A real lover would not mislead, a lover may occasionally, but not necessarily.
15. People have different ideas about clothing, but most people do not like a **FLIRT**.



RYTEWORDS No. 2

CLOSING DATE: AUGUST 15th

(Copyright — J. Lewis)

- 1 YOU — TO GIVE PROTECTION.
- 2 A WORKER SHOULD ALWAYS — TOOLS.
- 3 PLENTY NEEDED TO MAKE PARTY ENJOYABLE.
- 4 TO — IN A CONTAINER MAY BE THE BEST WAY OF DISPATCHING.
- 5 SYMBOL OF POWER.
- 6 YOU NEED TO BE A GOOD — IF YOU ARE GOING PLACES.
- 7 A — PERSON HAS PROBABLY BEEN UPSET.
- 8 ASSOCIATED WITH UNCLEAN LIVING.
- 9 A FRIGHTENING — MAY KEEP YOU AWAKE ALL NIGHT.
- 10 AID TO THE ECONOMY.
- 11 ALL — ARE ASSOCIATED WITH SINGING.
- 12 YOU SHOULD — CHILDREN TO GET THE BEST RESULTS.
- 13 USED AS A CONTAINER.
- 14 MOST PEOPLE LIKE —.
- 15 GIVES HEAT TO THE BODY.

All the correct answers are found in the following list: LAG, TAG, BAG, MEND, LEND, TEND, TIME, LIME, MIME, MAIL, PACE, FACE, MACE, LACE, RACE, TALKER, WORKER, MAD, BAD, SAD, LICE, MICE, DICE, VICE, WAIL, GALE, TALE, WINES, MINES, VINES, BIRDS, BARDS, TRAIN, TRUST, TRAIL, RAIL, VAN, CAN, PAN, DAM, HOME, ROME, PEAT, MEAT, NAIL.

To avoid taking cover off magazine write numbers and answers on plain paper with name and address.

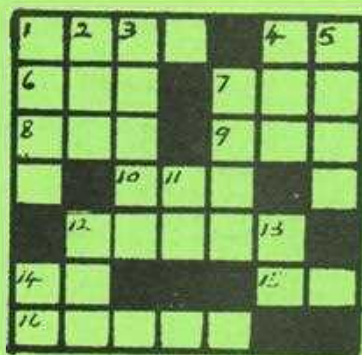
SOLUTION TO RYTEWORDS No. 1

Ian Dickson, General Office, with two mistakes will receive \$1.00. Three entrants with three mistakes each, will each receive 50 cents. They are Grahame Dickson, Roger Seville, Colliery and Mrs. E. Cosgrove, Marulan.

The \$2.00 first prize will jackpot making the first prize for Rytewords No. 2 \$4.00.

Grahame Dickson, 11 years, will receive 50 cents for his correct entry in the Junior Crossword No. 1.

JUNIOR CROSSWORD No. 2



JUNIOR CROSSWORD

THREE PRIZES FOR 50 CENTS
FOR FIRST CORRECT ENTRIES OPENED

CLOSING DATE, AUGUST 15th

DOWN—

- 1 You often like to - - - at grandma's.
- 2 Help.
- 3 A type of timber.
- 4 Acknowledge.
- 5 Not closed.
- 7 A place for coffins.
- 11 Royal Army (initials).
- 12 A bed for baby.
- 13 South Australia (initials).
- 14 Anti-aircraft (abb.).

ACROSS—

- 1 Used to hold potatoes.
- 4 Opposite to yes.
- 6 To fasten.
- 7 Summit.
- 8 To total.
- 9 A poem.
- 10 Joined to your shoulder.
- 12 Found in the sea.
- 13 To move.
- 14 A film classification.
- 15 Exclamation.
- 16 A book of maps.

PS



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BERRIMA — MEDWAY —
MARULAN — SYDNEY

NEWS

AUGUST, 1971
Vol. 1, No. 3



A.P.C. and S.P.C. NEWS

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AUGUST, 1971

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

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5th of the month.

EDITORIAL

Sometimes our problems loom large on every hand, but if we can school ourselves to take a wider look, they will assume more reasonable proportions.

Although the news of trouble and strife around the world is brought to us daily, we give it only a passing thought, or a brief exchange in our conversation. This to some extent is good. We cannot carry the burdens of the world, but let us not dismiss lightly the sorrow and heartaches, the conflict and destruction, the struggles and poverty.

The majority in Australia, either own, or are buying a home. Almost every household has at least one car. We are not hungry. We are not crowded. We are largely surrounded by the good things of life, but often we seem to be discontented.

We have a five-day working week, time to look after our homes and families, time for hobbies and sport, yet we grumble! In a way, grumbling is traditional, often, fortunately, it is only superficial, deep down many of us realizing that we are indeed fortunate. But we do need to take a longer look and a wider view. The more we look inward at our own problems, the more hopeless things appear to be. If we keep a balance, appreciating that others also have problems. If we can keep in mind something of the turmoil of the world and its peoples; our own ills will be seen in their right perspective.

We shall realise that things are not really so bad as many would have us believe, and that we are indeed living in a good country.

WORDS OF WISDOM

If you have made mistakes, even serious mistakes, there is always another chance for you. And supposing you have tried and failed again and again, you may have a fresh start any moment you choose, for this thing that we call "failure" is not the falling down, but the staying down.

—MARY PICKFORD.
(American Actress)

Heard on the Grapevine

BERRIMA

Visitors to Berrima plant this month included Mr. S. S. Parker, General Manager, Victorian Operations; and Mr. E. W. Morrison, Works Manager, Kandos.

ooOoo

Noel North, who is taking the Electrical Engineering Certificate Course, has been transferred to the Drawing Office for experience. Warwick Best has moved from the Drawing Office to Instruments, with Roger King. This is in accordance with the Company plan to enable Certificate Trainees to gain as wide an experience as possible.

ooOoo

Mr. Roy Shead, Works Engineer, left by air for three months in England. He will visit the Continent during his stay. We wish Roy and his wife, who accompanies him, a safe journey and happy reunions.

ooOoo

Christine O'Neill terminated her employment with A.P.C. recently. She travelled to England via Djakarta, Kuala Lumpur and Singapore. She was delayed in Singapore, but eventually arrived safely in England. Christine is visiting relatives, and will also make her stay a working holiday.

ooOoo

Allan Mithison left A.P.C. during the month. He is selling his home and plans to live in New Zealand near his married daughter and family.

ooOoo

Bill Rutter who recently retired has moved to a warmer climate. Miami, on the Gold Coast, Queensland.

ooOoo

Phillip Carey, Mechanical Fitter, has gone to Mount Tom Price to work for Hammersley Steel. His brother is already working there. In April last, Phillip met Chris Boyd in Perth, who is now a salesman for "Steelmark."

Greg Limond of the Drawing Office was married to Robyn Matthewson formerly of the General Office at St. John's Church of England on August 14th. We wish the young couple every happiness.

ooOoo

David Boyd, another son of Ernie Boyd has recently moved to Gladstone in Northern Queensland, where he will work for Comalco.

ooOoo

MARULAN

There are times when the Quarry looks like an air-port, with aircraft and gliders circling above. In the early part of this month, we had helicopters landing on the Quarry floor, and ferrying personnel to and from the gorges below. The Quarry floor is so long, wide and smooth, that many types of aircraft could easily land and take-off.

ooOoo

On leave or just returned:

L. Chandler (Bins), M. Muenster, Bob Fortham (Endloader Driver), Merv Butts (Crawmaster Operator), Len Sieler (Lorry Driver), Russell Eirth (Hydration Plant), B. Greaves (Fitter).

Les O'Brien who is in Japan with the Scouts for the Jamboree was caught in cyclone "Olive." He will have an interesting story on his return.

ooOoo

Newcomers to the Quarry:

Peter Gadd, Lindley Matthews, son of Jerry Matthews, retired. Hydration Plant: J. Merino, R. Webster, Peter May.

ooOoo

A new, blue Valiant Station Waggon has appeared on the Car Park. The proud owner is Ray McCallum. It has a 265 Hemi motor.

COLLIERY

Roger Seville started part of his long service leave. He is taking his family on a round Australia trip in his VW Kombi.

ooOoo

Tom Lafferty also started long service leave this month.

The mine closes from September 5th for one week of the employees' annual leave.

ooOoo

MARULAN BOWLS

Frank Bell defeated Les Cooper in the singles championship, and is now the champion.

In the men's pairs club championships semi-final, Frank Bell and Bill McCallum defeated Les Cooper and Alan Turner 29 points to 18. The victors will play Jim Galloway and Ashley Cooper in the finals.

ooOoo

Frank Bell was elected President of the Marulan South and District Bowling Club Ltd., on 2nd August.

ooOoo

A Scheme That Provides Security for the Future

That is the Wages Employment Retirement Fund.

Mr. Tom Bourne of the General Office informs me that in the recent increase of maximum contribution rates, a total of 187 or three quarters of the contributors in Berrima and Marulan took advantage of the offer.

Contributors paying less than the maximum rates, will be given a further opportunity to increase contributions from the first full pay in November.

Applications to join the Fund may be made by any employee over 21 years of age, after 12 months continuous service.

Since May 1st of this year, all benefits have increased by 10 percent in each individual case. The maximum death and incapacity cover is now \$5,500.

For further information regarding benefits contact Mr. R. Larson (Electrical Shop) or Mr. B. Garbutt (Power House) at Berrima, and in Marulan South, Mr. A. Gutzke or Mr. A. Cooper (Office).

CHRIS HUTCHISON SAYS FAREWELL

Chris Hutchison of the General Office left during the month. He will be living in Grafton, the home town of his wife.

He has taken a position as an Inspector for the Hospitals Commission of N.S.W.

The Regional Office is situated at Grafton. Chris will be travelling over an area extending from the Queensland border in the north to Macksville in the south, and west to the Tablelands.

Grafton is located on the Clarence River and is often referred to as the "city of trees."

Chris started with S.P.C. about six years ago, and has worked in timekeeping, Stores Supervision and Accounts. In spite of the fact that he is leaving, he has a soft spot for the company and expresses his appreciation for the help he has received in his accountancy studies.

Chris says he and his wife will greatly miss the many good friends they have in the district, but will keep in touch for some time until affairs are settled and prior commitments fulfilled. They are already dreaming of sunny weekends at Yamba.

Later, when Chris obtains his pilots licence, he hopes to make occasional visits to the district.

We wish Chris, his wife, and family every success in the future.

BITS AND PIECES

Efforts are always being made to increase the efficiency of trains.

The Americans have an idea of propelling a train through an air tight tube. This train would not need motors, the idea being to suck air out of the tube ahead of the train and introduce air in the rear of the train.

The idea however is not new. The General Post Office ran such a tube like this in London in 1863.

It was very successful for a time, but unfortunately leaks developed in the tube. Unsuccessful attempts were made to stop the leaks and the line was abandoned.

However, today, with the know-how and great technical advancements of recent years, such an air-tight tube could be satisfactorily completed.

The idea is again being investigated in the U.K.

STAN THORPE RETIRES

After a continuous service of 34 years, Mr. S. Thorpe decided at the age of 67 that he ought to "call it a day."

Stan started at the Blue Metal Quarry, Gingenbullen, in 1926. He was transferred to construction on the cement works, and then continued here after the opening. As Stan said "Jim Colquhoun was just a lad then."

Stan left the cement works, and for a few years was with the Water Board, returning to Southern Portland Cement Limited in 1937.

During his years of service Stan has been on many jobs. Power House, Fitting, Truck Driving, and for 30 years on the Cranes. Alternating between the Limestone and Coal and Clinker. He gives a good tip for future crane drivers. "Drive your bucket and you'll be a good crane driver."

Recalling the early days, Stan spoke of the drive and initiative of Mr. Taylor. He mentioned the sign that Mr. Taylor had erected before even construction commenced. "This is the site for the huge Cement Works." It would appear that the words were prophetic.

- Pictures Pages 7 and 8.

ooOoo

HARRY ETHERIDGE STARTS A NEW LIFE

HARRY ETHERIDGE first started at S.P.C. in the Laboratory as a sampler. He stayed for one year, and then left to assist his father who was a butcher.

Harry was back at S.P.C. in 1947, again in the Laboratory, this time a Physical Tester. Later he worked as a Shift Chemist for ten years, after which he became an Analyst. He left the employ of A.P.C. on the 30th July, after 24 years service.

Harry and his wife have taken over the Astor Cafe in Moss Vale. They both realise that it will mean a 12-hour day, and seven day week, but they are game to "give it a go."

Harry will not be severing his connection

with A.P.C. entirely, as he will be bringing up lunches, regularly on Mondays, to the general office. I'm sure that he would be willing to slip around to the Works Office also, if invited, or perhaps, even to the Technical Services Centre!

- Picture Page 5.

WOLLONGONG TECHNICAL COLLEGE CERTIFICATE AND PRIZE PRESENTATION

The annual Certificate and Prize-giving was held on July 8th in the Wollongong Town Hall.

Mr. D. S. H. Pearson, Principal, presented a good report. It was his first presentation night since his appointment.

The Deputy Principal (elect) of Technical Education, Mr. A. Watson, stressed the importance of seeking a thorough preparation for life. His theme was in the form of a question.

"Are you prepared to sit in the dark or will you search for the light?" He later presented the certificates.

Present also, among many other notable personalities, were Mr. E. O. Ramsey, M.L.A., and the Mayor of Wollongong.

Prize-winners from A.P.C. were: Mr. Geoffrey White who received an award from the Chemical Technicians Guild of Australia, for the highest aggregate pass in Chemical Instrumentation Post Certificate Course.

Mr. George Turczynski, Electrical Engineering, Stage I.

Mr. Robert Richie, Electrical Engineering, Stage II.

Representing A.P.C. were, Mr. W. Parsons, Chief Engineer, A.P.C., N.S.W., Mr. S. Marshall, Works Chemist, A.P.C., Mr. E. Radnidge, Apprentice Trainee Foreman, A.P.C. and S.P.C. and Mr. C. W. Knowlson, Editor, "A.P.C. and S.P.C. News."

The Company extends its congratulations to our Prize-winners.

WOLLONGONG PRIZE PRESENTATION



ABOVE—

MR. M. W. GALE

W. M. GALE

PRODUCTION SUPERINTENDENT, A.P.C., BERRIMA

Mr. Gale attended high school in Mudgee, after which he attended Sydney University as an Electrical Commission Trainee. He graduated B.Sc., B.E., in 1955.

Joining Shell as a Group Trainee, he spent one year in Molland, and two years in Brunei, Borneo, on civil construction related to power stations, and oil drilling at sea.

On his return to Australia he was engaged for a short time on instrument supply, and then electrical construction.

Joining Kondos Cement Company in 1960, he served as technical assistant to the Works Superintendent and the Chief Engineer. In 1965, he spent a short while with a firm of Consulting Engineers, before starting with S.P.C. as Production Engineer.

Since then, Mr. Gale has been Research Engineer, and is now Production Superintendent.

Since joining this company he has been attending the University of N.S.W., and has recently been awarded a Masters Degree in Engineering Science.



Mr. L. Lansdown
Works Secretary, A.P.C., Berrima



MR. OWEN JACOBSON, Works Accountant, A.P.C., Berrima, started with Southren Portland Cement Ltd. in August, 1966. Previously he was with Phillips Electrical in Sydney.

Mr. Jacobson studied Accountancy at Sydney Technical College, completing in 1963. Later he studied Cost Accounting at Sydney Technical College, completing his studies successfully in 1965. Since being with S.P.C., he has headed the Costs Department, later taking over Budget and Budget Review work.

His appointment to Works Accountant came with the merger in June of this year.



Mr. Roy Shead, Works Engineer, A.P.C., Berrima, who is now visiting Britain and the Continent of Europe.

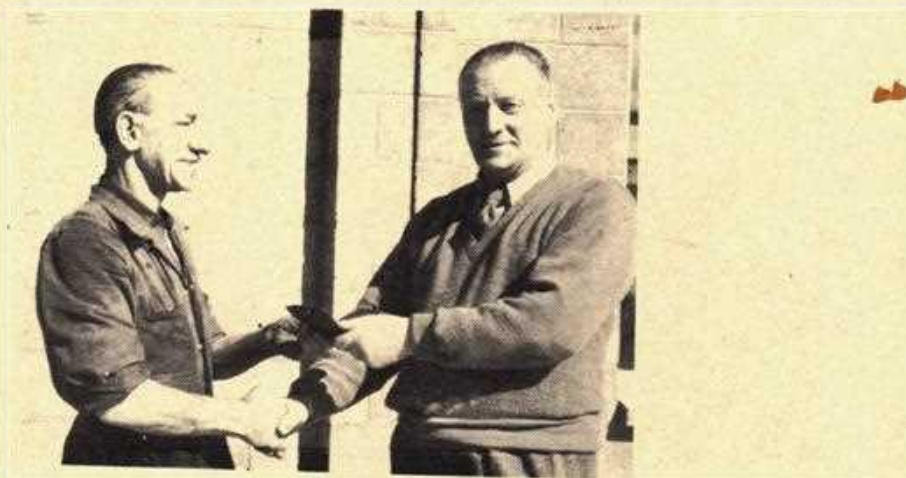


Alan Mathieson, who will shortly leave Australia for New Zealand.



Stan Thorpe on the job, prior to his retirement.

Stan Thorpe receiving his retirement cheque from Mr. F. L. Veale, Works Manager, A.P.C., Berrima.
Stan also received a wallet of notes from his mates.



Andy Willis, on left, whose Obituary appears on Page 14, is here seen on the happy occasion of his retirement in 1963, receiving a wallet of notes from Mr. Bill Saker, who was then Engineering Superintendent.

COL GLACKEN'S PICTURE PAGE



River Gum, Aboriginal Canoe Tree.
These trees can be found along the
Murray River.



Col Glacken, Marulan Quarry



ABOVE — The people you meet at Lightning Ridge!



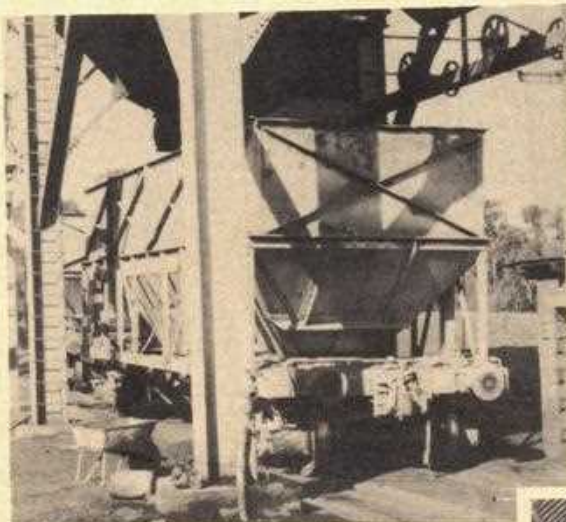
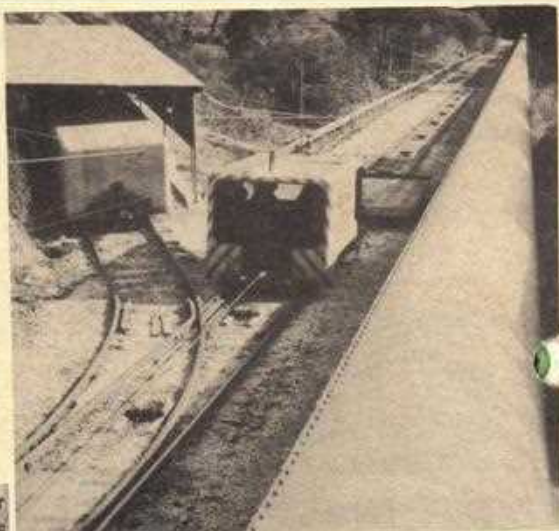
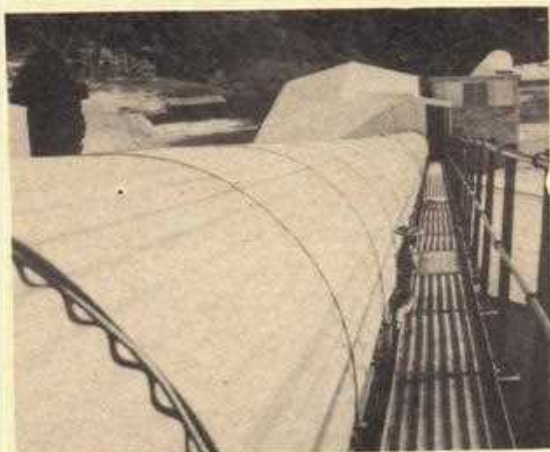
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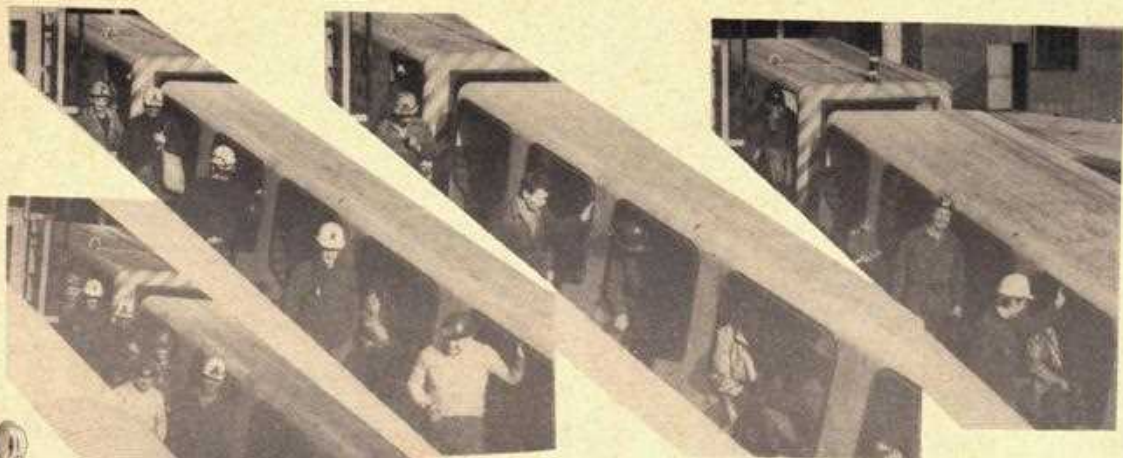
This cairn was unveiled on April 20th, 1959, by Mr. L. T. Ritchie, Managing Director of Massey-Ferguson (Australia) Ltd., to commemorate the epic fight by the people of Wentworth and district against the record flood of 1956 and the major part played by Ferguson Tractors and implements in saving the town from complete inundation.

E. W. WHYTE,
Shire President.

C. W. RYDER,
Shire Clerk.

MORE COLLIERY PICTURES





GOING DOWN — AND
COMING UP



LEFT—
Mr. Ted Chamberlaine
of Atlas Copco,
Wollongong,
demonstrating Air Tools
to the apprentices.

SOUTHERN PORTLAND CEMENT LIMITED ENTERTAINMENT FUND
INCOME & EXPENDITURE ACCOUNT FOR YEAR ENDED 30TH JUNE, 1971

1970	Income was received from:	1971	1970	Funds were spent on:	1971
1258.15	Member's Subscriptions	1210.95	841.44	Presents & Prizes	1174.93
410.46	Income from Soft Drinks	1173.47	547.43	Foodstuffs	590.82
	Less Cost of Sales	642.77	530.70	Loss on Locomotive hire	-
107.60	Raffle Proceeds	159.60	92.91	Sundry Christmas Expenses	57.90
100.00	Donations	153.00		Expenses Travel to Sydney to	
29.78	Bank Interest		7.28	inspect toys.	25.00
	Locomotive hire	155.00	50.00	Donation to Dinner Dance	50.00
	Less Running Exps.	98.88	23.13	R. Creswick Farewell	-
			-	Bank Charges	6.80
			60.00	Depreciation - Trainers	60.00
			50.66	Sundries	8.71
			17.05	Insurance	19.96
			216.09	Surplus to Accumulated Funds	116.25
<u>\$1905.99</u>		<u>\$2110.37</u>	<u>\$1905.99</u>		<u>\$2110.37</u>

BALANCE SHEET AS AT 30TH JUNE 1971

1030.36	Accumulated Funds	30.6.70	1246.45	915.41	Cash at Bank	1114.96
216.09	Surplus for Period	30.6.71	116.25	3.00	Petty Cash	3.00
-	Sundry Creditors		40.00	27.97	Sundry Debtors	9.73
				47.04	Stocks - Soft Drinks	77.97
				6.03	Empty Bottles	5.64
				7.20	Crates	11.60
				239.80	2 Trainers	299.80
					Less Provn. for Deprec.	120.00
						<u>179.80</u>
<u>\$1246.45</u>			<u>\$1402.70</u>	<u>\$1246.45</u>		<u>\$1402.70</u>

In my opinion, this statement of Income and Expenditure and Balance Sheet gives a true and fair view of the state of affairs of the fund, according to the information and explanation given me and as shown by the books of the fund. It is noticed that cash at bank exceeds \$1,000, and an examination of last year's bank statements reveals that the only time cash on hand drops appreciably is when the Christmas Toys are paid for (about March). Since the bank no longer pays interest on funds deposited it is suggested that an amount (say \$1,000) be put on Interest Bearing Deposit for 6 months.

O.F. Jacobson
O.F. JACOBSON Hon. Auditor

JUNIORS' PAGE

Why do water pipes burst when it thaws?

They do not. What really happens to the water-pipes is this.

When water freezes, it increases its bulk, the water in the pipe freezes and turns to ice. The great bulk of the ice presses on the pipes and the pipes burst open. The cracks in the pipes may not be noticed, but as soon as the thaw comes, the damage shows itself in a troublesome leak.

As this happens with the thaw, many people jump to the conclusion that the thaw causes the pipes to burst.

ooOoo

Why does cold weather make our hands blue

When the skin is exposed to severe cold, the arteries contract and contain less red blood. The veins expand and contain more of the purplish, impure blood.

As the veins on the hands are nearer to the surface than the arteries, they are more easily seen, and the blue colour of the blood shows through the skin over them, giving a general bluish tint when the skin is cold.

ooOoo

DOGS

Since earliest times, dogs have been friends and servants of man.

They have been kept as pets in countries all over the world. It is believed that the first "dog" was a wolf.

Some scientists think that a jackal type of animal may have been the ancestor of some of the dogs we have today.

The wolf and jackal are closely related. The dog has a body very much like that of its wolf ancestors. All breeds of dogs have the same number of bones in their bodies. The skeleton is built so that the dog can move about easily on four legs.

The teeth are shaped for tearing and chewing meat.

Dogs have five claws on their front feet, and four on their hind feet. The ears of most dogs are large, and receptive to even the faintest sounds. The dog perspires through the soles of its feet and its tongue.

It cannot see as well as human beings, and it does not see all colours.

The dog's sense of smell is highly developed, and this has made it a valuable hunter and tracker.

Mother dogs give birth to litters of puppies sixty-three days after they have been bred. They nurse the puppies for six weeks. Some dogs have lives to be over twenty years old, but the average age is ten to twelve years.

Very few of the dog's wild relatives have the habit of barking, but practically all domestic dogs bark. The modern dog has many of the wild dogs' instincts. It puts its tail between its legs when it is frightened.

The dog turns around in circles before lying down, this it may have inherited from the wild dog which made its bed in tall grass, which had to be trampled before lying down.

A dog gobbles its food and growls when someone comes near. The wild dog was always fearful of attackers when it was eating.

In the world there are about 225 different breeds of dogs.

Mother Bear and Father Bear thought for a long time as to the names they should give their cubs. They decided on the various names until they came to the last one, which had very little fur.

They thought and thought until Mother delightedly said, "I know — well call him Fred Bear."

Many people think the sun stands still. This is not so.

There is perfect proof that the sun moves in at least two ways, if not more.

For one thing we know that the sun spins upon itself because we can watch spots appearing on one side of the sun and then travelling across its face, disappearing and then coming back after several days.

The sun spins in the same direction as the earth, and in the same direction as the earth revolves round the sun.

Secondly, we can prove by watching the position of the stars that the sun is moving through space, and that all its family including us, must be moving with it.

One brilliant star called Vega is said to represent the point to which the sun and its family are at present moving.

The speed of this movement has been calculated by astronomers at about twelve miles a second.

GARDENING

FLOWERS: Sow — Aylssum, 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, Lillium, Tigrida, Tuberose, Lilly-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, Potato.

The frosts have been very severe during the month of July, with temperatures below average and the ground "iced up" in shady places, for two or three days at a time. Very little rain has fallen, in fact there has been less than

an inch of rain recorded during the last two months.

This is Wattle month and already many varieties are in full bloom. Unfortunately, some of the wattle trees have been "frosted" this season, so that there may be less blossom on the later varieties.

Complete the planting of deciduous trees and shrubs this month, also roses, climbing plants, bush fruits, grape vines and deciduous fruit trees.

Burn any DISEASED pruning material and also any garden refuse which has had disease. This helps to rid the garden of insect pests and fungous diseases.

Give all the garden a thorough watering at least once a week while the dry weather lasts, paying particular attention to any newly-planted trees and shrubs. Do not let them dry out!

Towards the end of this month, will be the best time to give established trees and shrubs a good dressing of complete fertiliser to help produce good, strong, new growth.

Keep baiting for slugs and snails and watch that they do not eat out the centres of those hyacinth bulbs which are not pushing their green shoots above the soil.

OBITUARY

ANDREW LINDSAY WILLIS

Andy, as he was known to his workmates, was working at S.P.C. on the construction in 1926, he continued here when the cement works commenced production and remained until 1932.

Returning to England, he stayed there for some years. He and his wife again came back to Australia, and Andy returned to his old job as a Mechanical Fitter. This was in 1948.

He retired in 1963.

Those who knew him still speak of him as an efficient and energetic worker.

He departed this life in June of this year, 1971. He was 76 years of age.

To his wife, family and relatives, all who knew him extend their deepest sympathy.

MR E. SOUL

Ted Soul started at the S.P.C. Colliery in September, 1959. He came from Lorch Catherine Colliery which had closed down.

Ted worked underground, and later became bathroom attendant. He retired in December, 1967.

His death occurred on August 5th.

All who knew Ted sincerely extend their condolences to his wife and family.

NAVAL OCCASIONS

(by TOM ROACH)

Just prior to my retirement in June, I was asked to write an abbreviated history of my service in the Royal Navy.

This appeared in the June edition of the "A.P.C./S.P.C. News."

In response to a further request, I have agreed to give more details with regard to the incidents and occasions that took place during my career in the R.N.V.R. and R.N. — I hope the reader will find it interesting.

In 1917, at the age of 17½ years, I enrolled (in Liverpool, England) in the Royal Naval Volunteer Reserve and was sent to the Crystal Palace, in London, which was then the headquarters and training depot of the R.N.V.R. and also known as H.M.S. "Victory VI." The Palace was a huge structure made completely of glass with two tall towers at its extremities and connected by a lengthy hall or concourse, and was originally designed as an exhibition centre for trade shows and for holding musical contests (instrument and vocal).

It was built in spacious grounds and there were several smaller buildings dotted here and there, each being named after a country of the Commonwealth, i.e., Australia, Canada, New Zealand, etc.

I had enlisted to train for the rating of Signaller, so after the usual square-bashing and learning to distinguish my right from left, I was introduced to Semaphore and Morse Code signalling, and Flag and Pennant Hoists — which is the system of mast-head and yard arm signals in the flag and pennant code.

We drilled and manoeuvred, in fleets, squadrons, flotillas, divisions, etc. — each man being a ship, or unit, and distinguishing port from starboard as opposed to left and right. It was most fascinating and interesting to see the "ships" carrying out the purport of a signal (given by an instructor) but I confess that quite a few "collisions" and "near misses" occurred, and often when a "ship" got out of station it would bring forth an agonising, heart-rending cry from the Yeoman of Signals (our instructor) beseeching us to "please try again" (in much stronger language) and almost invariably ending his request with, "It's enough to make Lord Nelson fall from his monument!"

It took approximately four to five months

to make a signaller and as such we were drafted to various naval ports and I found myself in company with others, on the way to Chatham (HMS "Wildfire") at the mouth of the River Medway, on the east coast of Kent. This was a base for small craft such as Drifters, Trawlers and Minesweepers. I hated them! For I was sick each time we put to sea and wished I had never heard of the Navy.

Two very historic and memorable occasions occurred during my service attached to "Wildfire." The first was the raid by Royal Marines and sailors on the Mole of Zeebrugge at Ostend where considerable damage was done to German installations.

This operation, in fact, was carried out to distract Jerry's attention from a more important action which was being enacted at the same time in the entrance of the Ostend Harbour. Here two old warships — HMS "Canopus" and "Swiftsure" — were being scuttled in order to neutralise movements of German warships. These two ships had, previously, had their armament removed and then had been filled with cement, concrete blocks and iron ballast. Skeleton crews were placed aboard each vessel and it was their job to open all valves and vents thereby causing each vessel to flood and sink (which they did, most efficiently blocking the entrance).

Having done this the crews were to "abandon ship" and swim for their lives to us — the rescue craft, waiting to pick up survivors. The enemy had been caught napping and the harbour entrance was effectively blocked.

However, they soon recovered and gave our men a hot and lively gun and rifle battle with consequent loss of life.

(To be continued)

SMILE AWHILE

They had just renewed their acquaintance after he had been abroad for some years.

"Upon my word, Miss Donne," he said, "I should hardly have known you, you have altered so much."

"For better or for worse?"

"Ah, my dear," he replied gallantly, "you could only change for the better!"

The sale seemed assured and the diplomatic salesman was beginning tactfully to remind the prospect that the special engine involved an additional charge. Likewise the high-flared fenders, concave doors, vented hood, grooved top and gold-chromed grille, all were optional — at extra cost.

"I won't stand for it!" fumed the prospect. "Can't you sell me the car without all those extras?"

"Certainly," beamed the salesman, "Where do you want the door-handles delivered?"

FISHY TALES

"It's no good fishing with the wrong kind of bait!" I was told once. This I am sure is correct, but one must also make sure he fishes at the right time.

From experience I am inclined to think that the time of fishing has more to do with a good catch, than the bait.

Possibly this would not apply to trout. This fish is pretty fussy, and a certain type of fly used in the morning, would not be acceptable at night, or even the next morning.

Hence the highly decorated hats of fly fishermen!

However, regarding salt water fishing, I can say from experience that I believe that the time is more important than the kind of bait.

Attacking a certain suitable looking fishing spot with all kinds of bait, I have failed to do any good. This generally applies to the day time, when one is all for a day out.

The fishing is started in mid-morning and the sun is out, and one has prawns, mullet, yellow-tail and squid.

Results — very small, or no catch at all! I have noticed particularly with Rock Blackfish (drummer to you), that there is a certain time, and they will then bite anything. That time by experience is a rising tide, half to three quarters.

I found blackfish choosy, last holidays — half an hour before and half an hour after high tide. My fishing has been much more profitable at the incoming three quarter tide, especially if this coincides with dawn or dusk.

*I thought this matter of fishermen wearing highly decorated hats sounded a bit fishy, so I phoned Rus. For, those who don't know much about fishing, like myself, I pass on his comment. The trout fisherman who knows, carries various coloured flies, and for convenience, often sticks them in his hatband!—Ed.

ooOoo

NATURE NOTES

(By CHRIS SONTER)

Just how long does it take for people to realise the difference between right and wrong? I guess some people never learn until the situation is out of hand then it's too late.

Of course, I am only referring to our wildlife and its ecology. Today we hear so much of pollution and the fight to save the remains of our wilderness areas and of course this is where the harsh talk and hurt comes in.

These thoughts came to my mind when I was reading through a National Parks Association Journal and I came across a statement from a Government Gazette concerning the Wedge-tailed Eagle (*Aquila audax*) and the Australian Goshawk (*Accipiter fasciatus*).

Both these birds should now be able to enjoy full protection in this state.

I am quite certain that the Wedge-tailed Eagle is also fully protected in Victoria.

Most of the research that was done by the C.S.I.R.O. was carried out in the Southern Tablelands of N.S.W. The Eagle was reputed to be a sheep killer, but to what degree was unanswerable. However, it was found that the birds diet contained 7 percent of lamb and it was also found that a major portion of this percentage was carrion.

From all my travels, and I have covered many parts of our land, I have never yet heard a farmer say that he had actually seen a "Wedgy" take a sheep or lamb. If they had seen one, it would only have been a sick or dead one.

However, action has now been taken and anyone wishing to take either of these birds must be in possession of a licence.

I well remember passing through some very fine Eagle country near Quorn, S.A., where my wife and I witnessed no fewer than six Wedge-tailed Eagles strung-up in a line on a fence. What had made matters worse was the fact that it was close beside a very busy highway where every person travelling by could witness the tragic ending of these birds.

It was not far from this spot that we witnessed another merciless method of Eagle-destruction. There was a single large gum-tree growing on the side of a hill and evidently this was a favourite roosting tree for the birds in this particular area.

Underneath the tree was a large heap of rabbit carcasses soaked in poison; beside the stenching mound was a magnificent Wedge-tailed Eagle that had suffered a miserable death. In the tree was yet another Eagle awaiting its turn to dine at the death table.

Here's a thought to consider. How many rabbits would there be if it wasn't for our birds of prey?

Try the NEW Safety Competition theres more than money in it !

WRITE A "MATCHPHRASE"

Win a prize, and make a contribution to Safe Thinking at the same time.

First prize \$3.00, second prize \$2.00, five prizes of \$1.00 each.

Look down the list of "starters," choose one or two that may appeal to you, and in which you see possibilities, add from two to six words; to make a comment on any aspect of SAFETY. This then is a "matchphrase."

It is very similar to the previous Safety Slogans competition, except that you start with one of the "starters."

Take a pencil, a "starter," and write down your thoughts, re-arrange the words you are adding until a clear message is presented. Then send it in.

The judges will recognise and reward merit.

LIST OF STARTERS

1. Right attitude—
2. Why take the risk?
3. Time saver—
4. Unavoidable —
5. Life policy —
6. Safety belts —
7. Compensation—
8. Perfect record —
9. A good habit —
10. Starting right —

EACH COMPETITOR IS ALLOWED TWO ENTRIES

Read and think carefully about the winners below, it will help you to write a winning Matchphrase.

First prize: \$3.00, Roger Seville, Colliery—
Survival — of the safest — not the fittest.

Second prize: \$2.00, Mrs. P. Scott, General Office, Berrima. **Dangerous Practice — Safety Malpractice.**

The following win \$1.00 each.

Third: Mrs. T. Pearson, Marulan South—
Better than cure — It's prevention for sure.

Fourth: Mrs. E. Cosgrove, Marulan South —
Better than cure — try prevention — it's sure!

Fifth: Mr. J. Lewis, Berrima — **Time for Safety — eternal — or eternity!**

Sixth: Miss E. Knowlson, Moss Vale —
Safety Measures — Measure your Life.

JUNIOR CROSSWORD No. 2 RESULT

Five correct entries. 50 cents each. Leona Lafferty, Phillip Cosgrove, Ken Croese, Grahame Dickson, Phillip Talbert. One mistake Vincent Humphries will receive 30 cents.

SOLUTION TO RYTEWORDS No. 2

1. LAG; 2. TEND; 3. MIME; 4. NAIL; 5. FACE;
6. WORKER; 7. SAD or MAD; 8. VICE; 9. WAIL; 10. MINES or WINES; 11. BARDS; 12. TRAIN; 13. CAN;
14. HOME; 15. MEAT.

Below the judges give reason as to why the above words have been chosen as the best answers:

1. A tag serves to give identification rather than protection. Most bags give very little protection. To **LAG** with lagging is defined as to give protection to pipes, boilers against loss of heat and to protect against scalds and burns and is the best answer.
2. **TEND** is the obvious choice. To lend being unwise and broken tools should be disregarded.
3. **MIME** which means comedy or fun, is the best answer. A mimic can be the life of the party whilst the length of a party does not necessarily make it enjoyable.
4. Whether dispatching goods by road, rail or mail to **NAIL** goods in a container may be the best way.
5. **FACE**, as on a coin or banknote is preferred to Mace. The face shown on currency the world over symbolises power, whilst the mace has a limited use.
6. **WORKER** preferred to talker. If a talker could not produce the goods, he would not get far.
7. **SAD** or **MAD** are considered to be of equal merit.
8. **VICE** is always associated with unclean living, whilst mice and lice do not necessarily fit the clue.
9. A frightening gale would keep you awake all night. A **WAIL** may keep you awake, depending on the individual, whilst tale would only apply to children.
10. **MINES** or **WINES** both aid the Australian economy and are considered of equal merit.
11. **BARDS** (Welsh singers) is the best answer. Not all birds sing.
12. **TRAIN** is the better word. Trusting without training would not give the best results.
13. **CAN** is the better answer. A van being primarily for transport and a pan is hardly applicable.
14. **HOME** is considered to be the best answer.
15. **MEAT** not only in the sense of flesh meat, but of all food, gives heat to the body. Peat would not unless it was burning and you were fairly close to it.

RYTEWORDS No. 3

(Copyright — J. Lwis)

CLOSING DATE SEPTEMBER 15th



1. May cause offence if pointed at a person
 2. Seen in every shop.
 3. You would see this in a garden
 4. A nice one is usually appreciated.
 5. May indicate death
 6. Associated with the sea
 7. A walk in this is usually very interesting
 8. If prominent would attract attention
 9. Hotels usually have a few good ones.
 10. Could be a bar to progress
 11. Contents may be valuable
 12. If "tight" can make things uncomfortable
 13. Good ——— is needed to see in the dark.
 14. A ——— in the sky would cause concern
 15. An attractive ——— is appreciated by most women
- All the correct answers are found in the following list:
 FUN, SNAKE, LIGHT, STONE, PAIL, SPADE, TOLL
 BAIL, FLARE, CAT, STOVE, DARK, BOOKS, PIMPLE,
 HATE, MAT, BANK, COOKS, PUN, MART, STAKE,
 STORE, COLLARS, GLARE, TILLS, SIMPLE, TEMPLE,
 SIGHT, MATE, SAIL, PARK, NOOK, GUN, BELL, RATE,
 HAT, PILLS, DIMPLE, BILLS, WILL, TANK, DOLLARS,
 GIRLS.
- To avoid taking cover off magazine, write numbers
 and answers on plain paper, with name and address.

Rytewords No. 2 Solution and Winners

Solution to Rytewords No. 2: 1. LAG; 2. TEND; 3. MIME; 4. NAIL; 5. FACE; 6. WORKER; 7. SAD or MAD; 8. VICE; 9. WAIL; 10. MINES or WINES; 11. BARDS; 12. TRAIN; 13. CAN; 14. HOME; 15. MEAT. No correct solution was received. The first prize will therefore jackpot to Rytewords No. 3, making the first prize \$6.00. The nearest was three mistakes, \$1.00 goes to Miss E. Knowlson. Mr. T. Sharkey and R. Seville had five mistakes. They receive 50 cents each.

EACH ENTRANT IS NOW ALLOWED FIVE ATTEMPTS FOR RYTEWORDS.

JUNIOR CROSSWORD No. 3

THREE PRIZES OF 50 CENTS EACH FOR FIRST THREE
 CORRECT ENTRIES OPENED — Closes September 15th
 CLUES

ACROSS—

1. Used for securing shorts.
5. Long time
6. Girl's name
8. Brand of petrol.
9. Past tense of spell.
10. Opposite to you.
11. Move.
12. To throw.
15. Say.
17. Fly upwards.
18. Opposite to yes.
19. Old mode of travel.

DOWN—

1. Used for fishing.
2. For example.
3. A form of contract.
4. Used in cooking.
6. Animal.
7. Girls' toys.
10. Used to drive.
11. Strong wind.
12. Part of school year.
13. Yes - no.
14. Kind of biscuits.
16. An Australian Airline (Initials).



PS



AUSTRALIAN PORTLAND CEMENT LTD.

and

SOUTHERN PORTLAND CEMENT LTD.

Berrima — Marulan — Medway — Sydney

NEWS

Vol. 1 — No. 4
SEPTEMBER, 1971



A.P.C.L. and S.P.C. News

SEPTEMBER, 1971

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REGULAR CONTRIBUTORS

BERRIMA . . .

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

MARULAN . . .

W. McCallum.
E. Cooper.

COLLIERY . . .

M. Thorpe.

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COPY DEADLINE:

5th of the month.

EDITORIAL

Recently, I heard that in one week there had been two fatalities in a certain Australian project. This brought me round to thinking of our good record here at A.P.C., Berrima, and S.P.C., which takes in Marulan Quarry and the Colliery.

A joint Commonwealth and State Government study recently completed for a 12 month period, and based on the published statistics of claims in each state under workers' compensation insurance, has revealed the following:

- At least 400 fatalities occur each year as a result of industrial accidents.
- Injuries causing disabilities of one week or more total 160,000, and disabilities of one day or more, but less than a week, total 140,000.
- Working time lost through injuries totals 700,000 man-weeks per year.

Going by recent years, about 400 Australian workers die in the next year as the result of industrial accidents. Thousands more will be seriously injured, many permanently disabled. Loss of life or permanent disability can never be adequately compensated!

These industrial accidents cost Australia somewhere between \$550 million and \$1000 million each year. This represents between two and four percent of the country's gross national product.

By contrast, work accident costs in the United States amount to less than one percent of the gross national product.

Many employers do not emphasise safety, or encourage safe practices as is done in our works at Marulan, Medway Colliery, and our Berrima plant, but there is always room for improvement in our approach to Safety.

Sometimes we may think that we are too busy, but we cannot afford to be too busy where safety is concerned, if we are to reap the benefits. Safety is not the responsibility of the employer only, but of every employee. As in every other phase of our activities, co-operation, each playing his part, will ensure the continuance of our splendid safety record.

THE EDITOR

POWER HOUSE SHIFT/RECORD

On afternoon shift, 10-9-71, a shift record was set in the Power House, when 77,200 units were generated.

This is an increase of 28 per cent on the record which existed before the new turbine was installed. Previously power station output was limited by turbine efficiency. The new turbine has altered this. With the increased efficiency, the power output has increased.

It is true that this record was set using coal from Lithgow, of far better quality than Berrima coal, but the power station staff had to be very much alive in order to get the best out of it.

Congratulations to all the staff who have been giving each shift something to beat, by maintaining high loads.

W. M. GALE,
Production Superintendent.

Heard on the Grapevine

BERRIMA

Recently, the son of Tom Aitken (Leading Hand Rigger) accidentally chopped off his thumb whilst chopping wood at his girl friend's house. Which goes to show, once again, that you can't be too careful.

oo●oo

Frank Richardson recently commenced work at the General Office. He will be looking after capital expenditure accounts. Frank was doing outside work in Bowral for a while, which included newspaper deliveries for Cameron's Newsagency. Frank has fifteen years experience in office work, and previous to his coming to Bowral, worked for some years for the Oxford University Press, Melbourne office.

oo●oo

Frank O'Neill, Stores Office, gave me some news about his daughter, Christine, formerly of our E.D.P. Department. She attended the T.T. races in the Isle of Man recently. Previously, she spent some time on a relative's farm in the N. Riding of Yorkshire, helping with the hay and the horses and visiting cattle sales. She also stayed in York for a while which, incidentally, is the Editor's home-town. Future plans may include grape picking in the South of France, before settling down to work.

oo●oo

Mrs. M. Halls is now working in Costs at the General Office, Berrima.

oo●oo

Jack King, Store, has joined the recent spate of Grand-dads. His daughter, Mrs. M. Henderson, gave birth to a son, Jonathan Malcolm, on the night of Thursday, August 19th. This is Mr. and Mrs. King's first Grand-child and for Mr. and Mrs. Henderson, senior, the first grandson, all the other are grand-daughters.

oo●oo

Mrs. Jan Williams is now typing pool supervisor in the General Office, Berrima, and also secretary to Mr. L. Lansdown.

Mrs. M. Madden, formerly Typing Pool Supervisor, is now secretary to the Works Manager, Mr. F. L. Veal and Mr. K. C. Howard, Executive Officer. Mrs. Madden is now located at the Works Office, Berrima.

oo●oo

Mr. R. Boyd of Costs, General Office, Berrima, has transferred to Stores Clerical.

oo●oo

Wendy Robertson, who worked in the S.P.C. Credit Union office has now transferred to the Costs Department at the General Office.

oo●oo

Dave Perry, new starter at the Drawing Office, is a Draughtsman. His wife, Dot, has been working in the General Office, Berrima, for some time now, in the Stores Clerical Department. Dave and his wife left the U.K. in December, 1967. Previously they had lived in Ilford, Essex. Arriving in Sydney they lived on the North Shore for a while and Dave worked at the Spastic Centre of N.S.W. in the Adult Training Unit. Towards the close of last year, the Perrys moved to Bundanoon. We welcome David to A.P.C.

oo●oo

Keith Evans is one of the new faces in the General Office, Berrima. He was farming at Bong Bong all his life until the time he resumed his profession of Radiography, but as this resulted in being away from home for rather long periods, he decided to stay in the district.

He has taken an active part in community life. For many years he was president of the Moss Vale R.S.L. and is now a life member. He was also a past president of the Moss Vale Rotary Club.

When a boy, Keith worked for a while with his uncle, Stanley Drummond, who founded the Far West Homes, Manly. He later went on to study Radiography.

Incidentally at the request of Her Majesty Queen Elizabeth II, the former Far West Homes are now the Royal Far West Homes.

Keith works in the Costing Department.

MARULAN

On leave in September . . .

Ashley Cooper, Office; Alan Gutzkey, Electrical Kiln; F. Bulger, Machine Shop; Bob Fordham, End loader driver.

00000

Diane, daughter of Mick Smith is a Lilac Time Queen candidate

00000

Dennis Marsden, Quarry Superintendent took his holidays in the sunny north.

00000

Alan Gutzki rejoiced in the fact that he could wear shorts all the time near Brisbane.

00000

Quarryman, Roy Clark has undergone an operation and has been on sick leave.

00000

Alec Johnston unfortunately injured three fingers and is also on sick leave.

00000

Loco driver, Frank Norman, was involved in a car accident, and has been in hospital, mainly suffering facial injuries. Frank was wearing a seat belt, and considers his injuries would have been much worse if he hadn't been wearing it.

00000

Col Pickering and his wife are touring South Australia.

00000

Trevor Pearson and daughter Lorraine are just back from a tour of Tasmania.

MARULAN BOWLS

Jim Galloway and Ashley Cooper defeated Frank Bell and Bill McCallum in the Championship pairs 24-11. The former are now Club Pairs Champions.

Singles Handicap Championship went to Stan Lovell. Stan is Superintendent of Metropolitan Quarry, S.P.C.'s neighbour. Stan was formerly a member of the Rabaul Bowling Club, New Guinea.

The Pairs Handicap championship semi-final will be played between Frank Bell and Bill McCallum and Jim Galloway and Len Pole.

00000

BILL McCALLUM'S TANKER OVERTURNS

"McCallum's Haulage" 6,500 gallon tanker turned over on its side at the second hairpin bend from the top of Macquarie Pass on the 17th August. The entire load of Hot Fur-

nace Oil was lost through two large holes, knocked in one end of the tank, when it hit the ground.

When cold, the oil solidifies, and if it had not run out, it would have been very difficult to get it out. The tanker itself weighs about 30 tons, and in the confined space it was a difficult proposition getting it back on its wheels. Fortunately no one was injured. The cost of the complete unit was in the region of \$50,000, and it was only about two months old.

Estimated damage is about \$5,000.

S.P.C. AND A.P.C.L. (BERRIMA) ENTERTAINMENT FUND

Mr. Kevin Moore, Treasurer, has a message for all members of the fund.

If your family has increased, or if your child received a present intended for another age group last Christmas, please inform Kevin. You will find him in the Foreman's Office, Berrima. Marulan employees should see Mr. A. Cooper, Marulan Office.

Kevin is anxious that all children of members receive the right present for their particular age group, and that the latest additions to families are included.

If you are not a member of the Entertainment Fund, you can join now. The annual picnic, which includes many attractions, in addition to the presents from Father Christmas, this year will be held on Sunday, 5th December. See Kevin Moore, Berrima, or Ashley Cooper, Marulan, as soon as possible.

THE GOLDEN RULE

All things whatsoever ye would that men should do to you, do ye even so to them; for this is the law and the prophets.

MATTHEW, Ch. 7, V. 12

EDITORS NOTEBOOK

Wearing of Seat Belts

It is estimated that about 179 lives would be saved in N.S.W. in the first year as a result of the compulsory wearing of seat belts where fitted, said the Chief General Manager of the N.R.M.A., Mr. W. Mason.

This number would increase rapidly in succeeding years as new vehicles with seat belts fitted were sold.

Mr. Mason said that such a saving in life, and the failure of efforts to educate people to wear belts, were two major reasons why the N.R.M.A. would not oppose legislation to make the wearing of belts compulsory where they are fitted, subject to reasonable exemptions.

He said that despite all the measures taken in an effort to reduce the road toll, nothing had been found as effective in saving lives and preventing serious injury as the seat belt.

"Since January 1, 1969, new cars have had to have seat belts fitted in the front seat. Yet despite the increasing availability of seat belts, the wearing rate on a voluntary basis has proved disappointingly low — about one-third of belts fitted are worn," said Mr. Mason.

"Despite this comparatively low proportion, public opinion polls have shown a growing acceptance of the principle of compulsory wearing of belts. Surveys indicate that 60 per cent or more Australians favour compulsory wearing in front seats, and almost half favour compulsion in rear seats.

"Since compulsory wearing of seat belts was introduced in Victoria last December there does not appear to have been any appreciative adverse public reaction. While it is too soon to be precise about the part played by compulsory wearing of seat belts in Victoria's lower death rate this year, in Melbourne the average wearing rate is said to have doubled from one-third to two-thirds of belts fitted," he said.

"It is unlikely that such a wearing rate will be achieved in the foreseeable future on a voluntary basis. And there is also little hope that passive restraints like airbags will develop to the stage where they offer anything like the advantages of seat belts for several years to come.

CHILDREN IN STATION WAGGONS

The Chief Traffic Engineer of the N.R.M.A., Mr. E. A. Huxtable, has urged motorists not to allow children to travel in the rear section of a station waggon if room is available in the front or back seat.

"Children have been killed in accidents while sitting in the rear of a station waggon. No figures are available, but it is clear that children are exposed to the danger of injury or death to a far greater degree than are children sitting in the back seat," he said.

"In an accident children in the rear can be thrown forward into the front of a vehicle — and even through the windscreen — more easily than from the back seat."

Mr. Huxtable said that children in the front or back seat could be protected by seat belts. Little could be done to protect them in the rear section of a waggon.

There was also the danger of children falling out the back window in an accident if it was open. Depending on the angle of impact they could even be propelled through the back window if it was closed. A further hazard was the possibility of exhaust gases being sucked in through an open rear window.

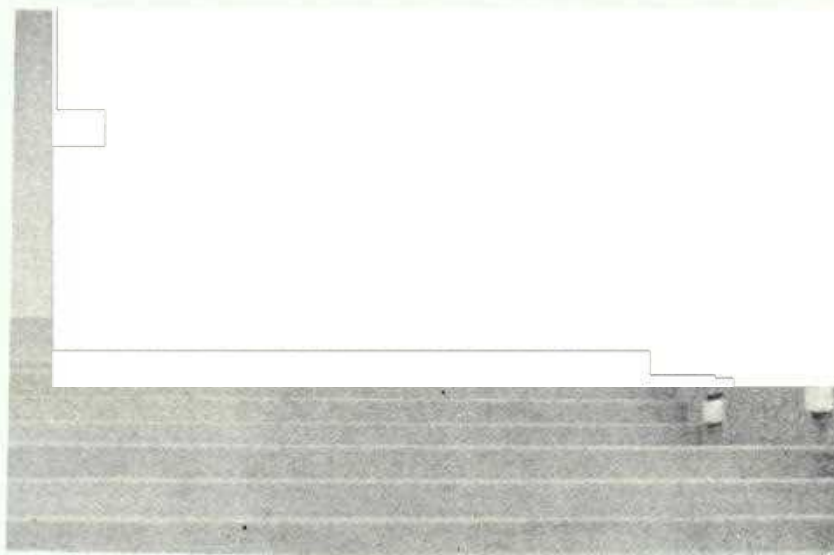
The facilities officer at the Newcastle Police Traffic Branch, Senior Constable L. A. Bryant, recently drew attention to the "alarming increase in the number of accidents in the Newcastle area involving children who are permitted to sit, lie and play in the rear portion of station sedans."

Last year, he said, he enquired into three fatal accidents in which children died as a result of injuries received in this way.

"It is becoming increasingly common in tourist areas to see children seated in the rear of the waggon, looking out the open rear window. "It takes little imagination to realise how children are thrown around inside these vehicles in the event of a collision," said Constable Bryant.

Mr. Huxtable said another station waggon problem was with luggage. In an accident, luggage could be propelled into the back or front seat area, or could ram forward the back seat on which children were sitting. The problem was how to tie luggage down, and it is wise for station waggon owners to improvise in some way, said Mr. Huxtable.

INTRODUCING SYDNEY OFFICE



THE MAIN ENTRANCE — GOLDEN FLEECE HOUSE



Mr. J. M. McNicol, General Manager, N.S.W. Operations.



Mr. TOM MAY, General Manager, Marketing.



J. C. SCOTT, Commercial Manager, N.S.W.



Mr. IAN HEWITT, Sales Manager, N.S.W.

Mr. M. BARNETT, Sales Supervisor, City.



Mr. H. BUTLER, Technical Services, N.S.W.



Mr. PETER HARLEY, Project Engineer.



Mr. BARRY PECK, Accountant Services.



Mr. SAM CATALANO, Accountant.

A trio of Clerks — Mr. L. STIMPSON, Mr. J. WILLIAMS, and Mr. A. CACHIA.



Miss GAIL FIELDER,
Punch Card Operator.



Miss C. YOUNG,
Credit Clerk.

Miss GAIL DOBSON,
Senior Punch Card Operator



Miss NANCE CARTER, Telephonist.



Miss S. PARKER, Typist.



Miss RHONDA CURRAN,
Junior Telex Operator
and Sydney Representative
for the "NEWS."



Miss COLLEEN BENNETT

FRONT VIEW OF GOLDEN FLEECE HOUSE
ON PACIFIC HIGHWAY, NORTH SYDNEY.
HEAD OFFICE OF A.P.C.L., N.S.W.



Miss MARION ARIESON,
Typist.



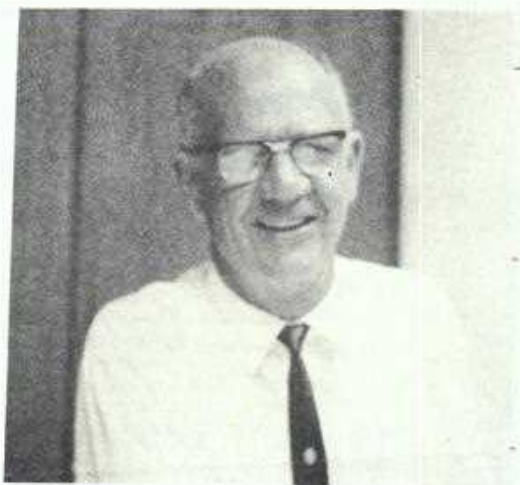
Miss B. WILLIAMS, Clerk.



Mr. L. TITO, Accountant, Onoda (A'sia.) Pty. Ltd., to whom we are also indebted for all photographs of Sydney Office Staff.



Mr. L. R. WILSON, Credit Officer.



Mr. ERIC COLLISON, Purchasing Officer.



Mr. S. L. WADHERA, Senior Clerk.



Left: Mr. ROSS KING, Computer Programmer, Heads E.D.P., Sydney; Right: Mr. TOM TAYLOR, Coder.



Mr. DAVID HOY, Sales Dispatch Clerk.



Mr. LAURIE SPARKES (seated) and Mr. DON MILLHOUSE,
Sales Despatch Clerks.



Miss H. ATKINSON, Confidential Secretary.



Mrs. J. SCOTT, Secretary to Mr. J. F. McNicol.



Miss LORRAINE, LUCAS, Receptionist.



Mrs. C. SULLIVAN, Secretary to Mr. May.



Mrs. M. PATE, Accounting Machine Operator.



VIEW FROM A.P.C.L. OFFICE WINDOW, NTH. SYDNEY

JOE LEWIS, Loco Driver, Berrima, one of our regular contributors, compiles "Rytewords," Junior Crosswords and "Bits and Pieces."

Joe was born in 1918 in Birmingham, England. He was educated at Swansea Theological College, U.K. In preparation for his missionary work he studied French and New Testament Greek, Tropical Medicine and Hygiene, Anatomy and Physiology, Home Nursing, Elementary Pathology, English and Social Welfare. He passed in all subjects, except Greek, which he hated.

Joe also speaks the Hausa language of Nigeria fluently. He had plenty of opportunity to learn the language as he trekked 3,000 miles along the river Niger and in Zaria province, establishing schools and setting up clinics for the treatment of tropical disease. Incidentally he was the youngest missionary ever to be granted entry to a British Colony.

During the war he returned to the UK and served in Rescue Service and Social Services. He was actively engaged during air raids on Birmingham and Coventry. Joe emigrated to Australia in 1951, where he joined Burnside Home, Parramatta, and later the Youth Welfare Association of Australia.

He writes regularly for "The Berrima District Post," "Crookwell Gazette," and magazines. He also compiles puzzles, of which we have examples in this magazine, namely Rytewords and the Junior Crossword.

He spends a great deal of his spare time in voluntary Social Welfare work and at his own expense, which sometimes goes into hundreds of dollars each year.

Some national newspapers and magazines are interested in Joe's work but he says he just has not the time, and prefers to give what time he has to social welfare work.

He joined S.P.C. in 1956.

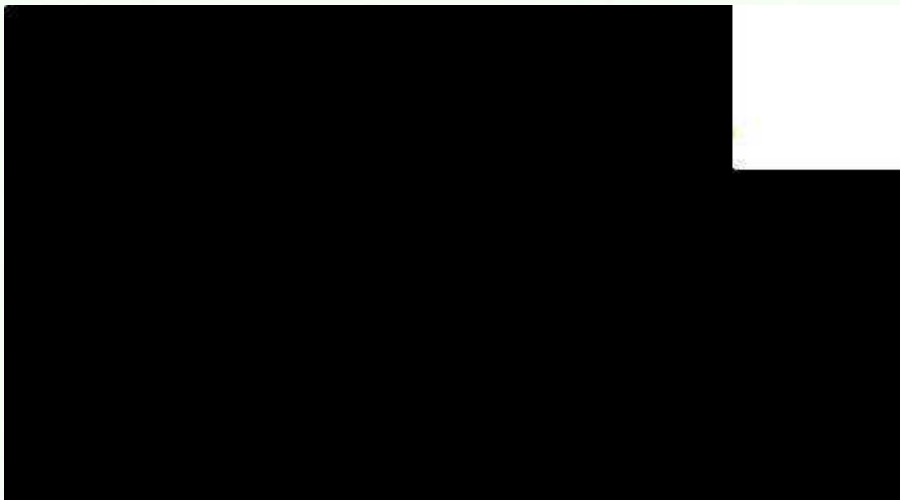
For his recreation, he greatly enjoys listening to stereo records, of which he has an extensive collection.



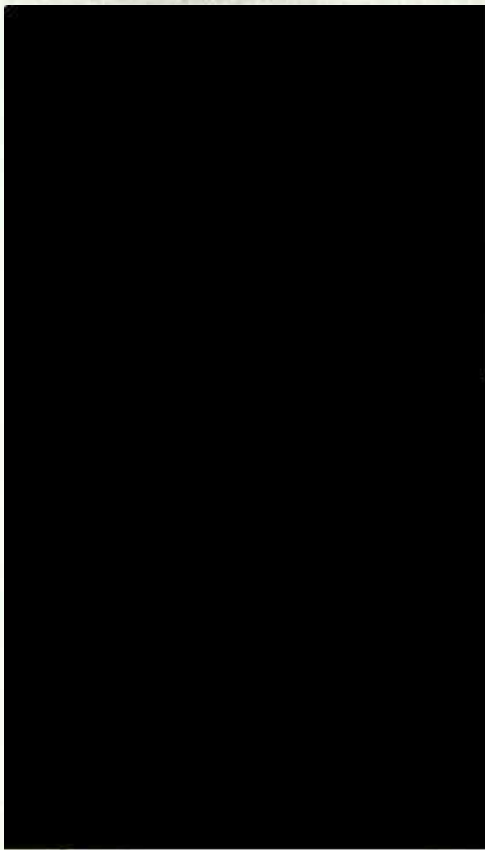
Mr. J. LEWIS



Mr. F. RICHARDSON,
New in the General Office, Berrima.



EDDIE JOHNS is a well-known figure around the plant and offices. He recently moved to the Technical Services Centre where he will work at analytical records. He commenced as a storeman in November of 1957.



No. 2 Kiln Stack, Berrima. Being blanked out.
This is part of the No. 2 Kiln project.

Mr. E. JOHNS

Juniors Page

EXPERIMENTING WITH PLANTS

Biology is the study of living things, this includes plants and animals.

At one time it was thought that plants grew by taking all the materials for their growth from the soil through their roots.

About the year 1625, a man called Van Helmont planted a willow tree in a weighed amount of dried earth, and grew it by giving it only water. At the end of five years he found it was 164 pounds heavier. But the soil when re-weighed was found to be only two ounces less than at first. So the plant was gaining weight from something other than the soil.

Van Helmont thought it must be gaining weight from the water he had giving it. But he was wrong.

Another man, Stephen Hales, in 1727, showed by experiment that the weight of water taken up by the roots of a plant was in fact the same amount of water lost from its leaves by evaporation. It was only when chemists were able to find out the different gases that made up the air we breath, that biologists were able to understand more about growing plants.

It was found that when mice were put in an air tight glass jar they died after a time, even though they had food and water. The bar air left in the jar would not keep a flame burning.

An English minister of religion, Joseph Priestly, found out about a certain gas which is in the air, and what we now call oxygen, about the same time as other European chemists. He put a sprig of mint in a jar with mice, and although the jar was still air tight, the mice went on living quite happily.

In 1804, a scientist called de Saussure in Geneva, carried out a more up to date version of van Helmont's experiment. In addition to checking the plant's gain and soil's loss in weight, he was able, because of the new "discoveries" in chemistry, to measure also the changing composition of the air surrounding the growing plant.

This showed that, in sunlight, a green plant takes from the air the part that won't burn, known as carbon dioxide, keeps the carbon portion, which combined with water pro-

He practised until he could hit it three times out of four. The ball came back at widely differing angles, and at great speed, so the training was invaluable. Don believed that this helped him develop a sense of distance and pace.

In a similar way he practised fielding, and also how to throw. He took a golf ball and threw it at the rounded rail of a fence in the paddock. He had to direct the ball at a certain part of the rounded rail, so that it would not shoot off at a target.

It was only by constant practice that he was able to hit the rail in the right place to make it come straight back to him. In this way he acquired accuracy in his aim.

Don Bradman did not realise that these games he played on his own were training his hand and eye to work together. He just loved to be out of doors, had to find some way of amusing himself and that is how he came to use the old brick wall and the fence.

We hope to include more about the early days of the now Sir Donald Bradman in future issues.

duces carbohydrates, such as sugar and starch which gives it its gain in weight. It returns to the air the same amount of oxygen as it took of carbon dioxide.

It is this oxygen the plants produce, that replaces the oxygen used up in breathing by all animals.

DON BRADMAN'S EARLY DAYS

Recently, Mr. F. Wrightson brought in some old cuttings taken from "The Sydney Morning Herald" of a few years ago.

Day by day, Don Bradman wrote his story. His early days, and games in the district are very interesting. He came to Bowral with his parents when he was two years old, from Cootamundra.

When he was of Intermediate High School age, he became interested in cricket. Don used to practice on his own. He received no coaching. His first bat was the limb of a gum tree.

No other boys lived near enough to play with him when he was at home. He would throw a golf ball at the brick part of an old tank and try to hit the ball on the re-bound.

FISHY TALES

I asked Graham Beveridge about his fishing experiences during his trip to New Zealand recently. As his reply covered quite a lot of travelling, I thought it would be interesting to report in its entirety.

"We have just returned from a 17-day holiday in New Zealand. Whilst there we stayed with friends in Auckland. Included in our itinerary were Rotorua (the famous place of boiling mud and geysers), Wellington and after a short trip across Cook Strait, the northern portion of the South Island.

Whilst in Rotorua we visited Tariwha Springs, a renowned trout farm. The fish are bred in pools and later released into the main stream which flows into Lake Rotorua. Another well known thermal region nearby is "Hell's Gate," which has a hot waterfall and boiling pools of sodium salts, sulphur, and graphite. All are within a radius of 25 feet.

We were fortunate in witnessing a Maori concert and taking part in a 'Hangi,' a Maori feast. The food is cooked in the ground, which serves as a kind of pressure cooker.

Whilst in Wellington, we had a wonderful view of the city and harbour from a cable car. We also saw a salvage ship working on the ill-fated "Wahine" ferry, which foundered in the harbour a few years ago.

As our time drew to a close we managed a ski-ing trip near Lake Taupo on an active volcano, Mount Ruapethu. This mountain, and also the adjacent Mount Ngaubehoe, were smoking at the time.

Thanks for your story, Graham. After what you tell us about the 'Hangi,' I'm wondering if "hangover" is derived from it!

Tony, son of Vern Avent, and his cousin Stephen, went fishing in a dam on a property at Joadja on Saturday, 11th September. They caught a Rainbow Trout of 8½ pounds, in weight, 25½ inches long and 15 inches girth. The trout were put in the dam only two years ago.

NAVAL OCCASIONS

The other memorable occasion took place in the North Sea a few miles off Scotland's east coast — and after the cessation of hostilities. The trawler in which I was serving was sweeping for mines and on this particular day our skipper had received a priority signal from the Admiralty forbidding him to steam beyond a given point to the North of where we were operating — and gave no reason!

As we were within a mile or two of this limit, we all began to look around for possible reasons for the curtailment of our movements when, all of a sudden, the lookout ("wearing" binoculars) stationed on the bridge gave a yell of excitement, reported a mass of shipping on the starboard bow and gave a bearing.

We, with our naked eyes, could see nothing, but half an hour later, there appeared on the horizon the silhouettes of many warships, too many, and too far away to count. But gradually they became more distinct and we were able to pick and name the class of many of them, but many too, were strangers to us. Then suddenly someone, (I'll never know who) yelled in crazy excitement, "It's the surrender of the German Navy!"

AND IT WAS!

As they steamed nearer we observed how all the British ships formed a lane while the defeated enemy sailed between, each German vessel being covered by a British one, the guns and torpedo tubes of the latter were trained on and followed silently, relentlessly and with menace, each ship of our late enemy.

One false move by any one of them and their end would have been instantaneous.

To add to his humiliation the German Admiral had been ordered to instruct the Captain of each ship in his command to lower his ensign to each British vessel as he steamed by — this in deference to the victor.

To us, on our trawler, it was a never-to-be-forgotten sight as we witnessed in silence, and swallowed in emotional pride, the passage of that mighty array of warships.

The VICTORS and the VANQUISHED — until they vanished from our view beyond the horizon to their final destination — SCAPA-FLOW!

Many months later Jerry had the last laugh (if laugh it could be called) for at a pre-arranged signal (on a certain day and hour) from the German flagship, the entire fleet, once the pride of the German nation, ignominiously scuttled itself!

NATURE NOTES

(By CHRIS SONTER)

UPS AND DOWNS IN THE BIRD WORLD

Many people from time to time have asked me if we have any woodpeckers in Australia or they have made claim that they saw some woodpeckers in the bush!

Well, just to put matters straight, Australia does not possess any woodpeckers.

However, there are two species of bird that could be quite easily mistaken for woodpeckers, these being the Treecreepers and the Sittellas.

Sittellas are represented by six different races and Treecreepers by nine.

Although they appear to be pecking at the bark they do not 'drill' into the timber as the true woodpeckers of North America do. In actual fact they merely just probe into the crevices of the bark in search of insects and grubs, which make up the bird's diet.

These birds have a strange way in which they procure their food. This is where the amateur bird watcher can detect whether he is watching a Treecreeper or Sittella.

A Sittella always commences at the top of the tree and proceeds to the lower section of the tree in a spiralling movement. Treecreepers commence from the trunk of the tree and travel up the tree, also in a spiralling movement.

I well remember on one occasion near Fitzroy Falls where I was watching some Tree Martins, when I noticed in a nearby tree, a Red Browed Treecreeper was going up the tree and an Orange Winger Sittella was coming down.

I feel that more research into these birds is needed because it seems strange to me that such an odd method of food gathering is adopted by the birds. It is not often that we find two of the same kind competing for food in a similar fashion.

Evidently a bird travelling down a tree can find as much in life as one that travels up (foodwise, that is).

Besides, Sittellas being smaller and of a lighter appearance than Treecreepers there is a marked difference with the nesting habits.

Treecreepers usually build a nest chamber at the end of a hollow branch, post or log. Sometimes they have been known to use a tunnel in a bank or even a rabbits burrow. The chamber being constructed of bark, dried grass and other soft materials such as wool, down or fur.

On the other hand Sittellas build a beautiful cup shaped nest usually in a fork of a dead tree with bark still on it. The nest is extremely well camouflaged, so much so that you could be watching a bird come down the tree, pass its nest or even pop a morsel of food into the fledgeling's mouth, and fly off without even catching the faintest glimpse of a nest.

It just merely continues its movements down the tree well below the nest site and then flies away. All this is to elude the predators. I have even heard from many ornithologists that the fledglings remain silent all the time they are in the nest.

SMILE AWHILE

The trouble with people these days is that they want to reach the promised land without going through the wilderness.

If you pick up a starving dog and make him prosperous, he will not bite you. This is the principal difference between a dog and a man.

A beautiful woman is one you notice; a charming woman is one who notices you.

If you think that nothing is impossible, try keeping your eyes open when you sneeze.

Be pleasant until ten o'clock in the morning and the rest of the day will take care of itself.

Some bores never need repeat themselves. They always get it trite the first time.

Civilisation can be measured by the degree of helplessness that results when the electric power goes off.

An old-timer remembers when an allergy was just an itch and all you did was scratch it. He remembers, too, when horsepower was a horse.

GARDENING

FLOWERS: Sow — Alyssum, Antirrhinum, Aquilegia, Aster, Celosia, Candytuft, Carnation, Delphinium, Dianthus, Eschscholtzia, Gaillardia, Lobelia, Lupin, Petunia, Phlox, Salpiglossis, Statice, Shizanthus, Sweet Pea, Verbena; Plant — Antirrhinum, Carnation, Delphinium, Dianthus, Lobelia, Petunia, Phlox, Polyanthus.

VEGETABLES: Sow — Beetroot, Broad Beans, Carrot, Onion, Peas, Parsley, Radish, Spinach, Tomato, White Turnip; Plant — Asparagus, Garlic, Herbs, Potato, Rhubarb, Lettuce, Tomato (under protection).

SEPTEMBER and SPRING once again, conjuring up visions of Wattle, Flowering Almonds, Plums and Pears, "Hosts of Golden Daffodils," and Hyacinths in rainbow hues, the air perfumed with the scent of flowers.

Verry little rain fell during August and now rain is needed for Spring plantings, before the hot summer weather commences. See that the newly planted trees and shrubs do not dry out while the dry spell lasts.

It's time now to plant out early summer blooming annuals such as Petunias and Phlox.

Flowering Apricots should be cut back now, also Flowering Almonds and Plums as soon as the flowers fade, so that they make new growths for next season's flowers.

Plant Gladioli this month, adding a complete fertilizer to the soil for best results. Trim Cottonasters and Pyracanthas where necessary, before the new growth commences.

Watch out for aphids on the new growth on rose bushes during the next few weeks.

Give lawns a light top-dressing towards the end of the month.

BITS AND PIECES

The biggest of all living birds is the Ostrich.

Whereas most birds can take to the air when threatened, not so the ostrich. It has to defend itself in other ways.

One of these is to adopt a pose in which it manages to assume a shape that is remarkably like the bushes common to its surroundings.

Although unable to fly, the ostrich can run very fast — up to 35 m.p.h. at which it is capable of getting out of trouble.

If cornered, however, the bird will make use of its enormously powerful legs to defend itself.

On its foot it has a very sharp toe by which it can tear any opponent who may confront it.

For a man, the only protection is to lie down, for the ostrich finds it impossible to kick anything that is not upright.

Do you know that the smallest fish in existence is a freshwater species of goby found in the Phillippine Islands. It is three-eighths of an inch long and 5,000 of them weigh little more than one ounce.

ooOoo

Have you ever wondered why rainbows always have the same colours?

Rainbows are best seen when the sun is shining behind you and the rain falling in front of you. The rays of the sun enter the raindrops and passing through, are bent. They then appear as colours on emerging.

The same colours are seen every time because of what is known as the spectrum which ranges from infra red heat rays to ultra violet chemical rays. In between are seven primary colours: red, orange, yellow, green, blue, indigo and violet. These are the colours that are seen in the rainbow because infra red and ultra violet rays cannot be seen.

YOU CAN WRITE A MATCHPHRASE

Win a Prize and promote Safe Practices

YOU CAN WRITE A MATCHPHRASE WIN A PRIZE — AND — PROMOTE SAFE PRACTICES

Choose one or two of the "starters" listed below, add from two to six words, making a kind of safety slogan.

LIST OF STARTERS . . .

- | | |
|---------------------|---------------------|
| 1. Safety Talk | 6. Promotion |
| 2. Dangerous habit. | 7. Industry's bogey |
| 3. It's worth a lot | 8. A happy home |
| 4. Long life | 9. Expensive |
| 5. Hard knocks | 10. It's no problem |

It will help if for instance you try opposites. For example, take "Safety Talk," No. 1 on the list of starters. You might put down the opposites, "danger," or perhaps "action," then you might get the idea — "Safety Talk — Dangerous if no action."

Coming from the well-known saying, "Actions speak louder than words," Have a go — you will learn from the winners below.

Don't forget, you can have two attempts at a matchphrase. — First prize, \$3.00; Second prize, \$2.00; Five prizes of \$1.00. Closing date, 15th October.

MATCHPHRASE No. 2 PRIZE-WINNERS

FIRST PRIZE, \$3.00: Mrs. E. Cosgrove, Marulan South "Life Policy — Increase your bonuses by reaching maturity."

SECOND PRIZE, \$2.00: Miss E. Knowlson. "Life Policy — make 'safety' yours."

The following win \$1.00 each.

THIRD: Mr. J. Lewis, "Perfect record — 'Long playing' if safe."

FOURTH: Mrs. T. Pearson, Marulan South, "Right attitude — Safety first is no mere platitude."

FIFTH: M. Dickson, Berrima, "Safety belts—unused—Safety rules abused."

SIXTH: Wendy Tickner, "Why take the risk — Start right and save your life."

When Mercy Seasons Justice

From Shakespeare's "Merchant of Venice"
 "The quality of mercy is not strain'd;
 It droppeth, as the gentle rain from heaven
 Upon the place beneath: it is twice bless'd;
 It blesseth him that gives, and him that takes:
 Tis mightiest in the mightiest; it becomes
 The throned monarch better than his crown;
 His sceptre shows the force of temporal
 power,
 The attribute to awe and majesty,
 Wherein doth sit the dread and fear of Kings.
 But mercy is above this sceptred sway,
 It is enthroned in the heart of Kings,
 It is an attribute to God Himself:
 And earthly power doth then show lik'est
 God's,
 When mercy seasons justice."

RYTEWORDS No. 3

REASONS FOR CHOICE OF WORDS

1. A gun pointed at a person would cause far more than offence. Fun would not, **Pun** may.
2. Definitely **TILLS**. Pills would only be in certain shops; girls in many shops, but not in every shop.
3. A **STAKE** or stakes are seen in every garden. Snakes rarely, a spade would be in the shed unless being used.
4. Most people appreciate a nice **MAT**. Some people don't like a cat, however nice it may be. Regarding hats, opinions vary greatly.
5. **TOLL** seems the best answer. A will does not necessarily mean death. A bell, unless tolled in a certain way, would not.
6. **BAIL** is the name of a person employed on a ship, especially for bailing. Sail or Pail are not wholly or primarily associated with the sea.
7. A walk in a **MART**, a market place, auction room or trade centre, is usually very interesting. Regarding park, it may be a car park, dark is not applicable.
8. A **TEMPLE** if prominent, that is, outstanding, would attract attention. Dimple or pimple would depend on circumstances.
9. **NOOKS** or **BOOKS** of equal merit. Usually there is only one cook in charge.
10. One's **MATE** could be a bar to progress, hate would be — rate not necessarily.
11. **TANK** — the contents may be valuable. The contents of a bank would be.
12. **DOLLARS** is obvious, as indicated by the inverted commas. "Tight" is colloquial or familiar speech.
13. It wouldn't be dark if you had a good light — **SIGHT** is the best.
14. Either **GLARE** or **FLARE** answers the clue.
15. **STONE** as a gemstone, would be appreciated by most women.

JUNIOR CROSSWORDS No. 3 RESULT

Seven correct entries were received. The neatest and first were from Wendy Tickner, Douglas Eirth and Grahame Dickson. Each will receive 50 cents.

Consolation prizes of 25 cents will go to Gregory Shepherd, Graeme Ducksbury, Ken Croese and Susan Ducksbury.

SMILE AWHILE

—●—
 No age or time of life, no position or circumstance has a monopoly on success. Any age is the right age to start doing something.

—●—
 The trouble with a lot of people is that when you ask how they are, they tell you.

—●—
 The best way to tell a woman's age is in a low whisper.

—●—
 Women are unpredictable. You never know how they are going to manage to get their own way.

A wife said to her husband: "Be an angel and let me drive." So he let her drive and now he is.

—●—
 A weather forecaster has to know two things: How to explain what will happen and how to explain why it didn't!

RYTEWORDS No. 4

(Copyright J. Lewis)

CLOSING DATE: 15th OCTOBER

CLUES . . .

1. A — person can often be placed in useful employment.
2. Uncomfortable if cold.
3. A good one can be funny.
4. One needs protection against.
5. Necessary to enjoy picnic.
6. To be caught in one would be painful.
7. A — person is usually disliked.
8. If this, trouble may be indicated.
9. Often a cause of worry.
10. Very bad — would most probably cause plane delay.
11. A — person is best avoided.
12. May have serious results if hurt by this.
13. A good one may win competition.
14. A — in the sky would cause consternation.
15. A — horse could reasonably be expected to win a race.

All the correct answers are found in the following list . . . Sheet, deaf, sly, thugs, gall, shop, fall, night, game, sight, bills, pills, drugs, tangle, mangle, seen, flame, fun, shy, shot, crone, wills, hushed, caper, pushed, deft, fall, ball, pushed, lame, noisy, nosey, night, show shop.

RYTEWORDS No. 3

1. Pun; 2. Tills; 3. Stake; 4. Mat; 5. Toll; 6. Bail;
7. Mart; 8. Temple; 9. Nooks or Books; 10. Mate;
11. Tank; 12. Dollars; 13. Sight; 14. Glare or Flare;
15. Stone.

SEE PREVIOUS PAGE FOR REASONS FOR CHOICE OF WORDS

NO CORRECT SOLUTION WAS RECEIVED

The first prize will therefore Jackpot to Rytewords No. 4, making the first prize \$8.00. The nearest was two mistakes, Mr. Vincent Brimelow, shunter, who will receive \$1.50. The next nearest, with six mistakes, will each receive consolation prizes of 50 cents each. They are Nance Carter, Sydney Office; Carol Croese, Moss Vale, and B. Ducksbury, Berrima.

PLEASE NOTE: Each entrant is allowed five attempts for Rytewords.

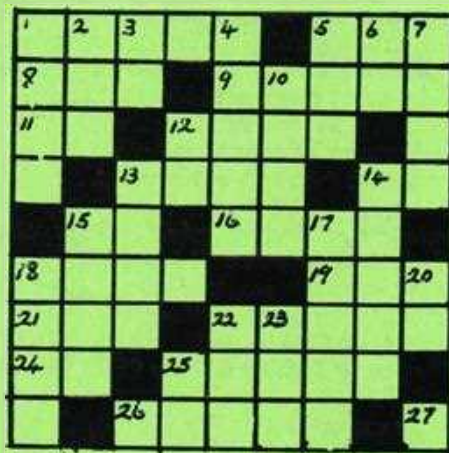
JUNIOR CROSSWORD No. 4

Across—

1. For writing
2. Small insect
8. To direct a throw
9. Eskimo's home
11. Not a street
12. Used for sports fixtures
13. To remove skin
14. Opposite to off.
15. Per annum
16. Hire
18. This spot
19. Past tense of eat
21. Raw minerals
22. A wanderer
24. French for "of"
25. One who wades
26. Used for drying
27. Me

Down—

1. For pleasure
2. Help
3. Afternoon
4. Waterway
5. Everything
6. Opposite to "yes"
7. A community
10. Very strong wind
13. To peel
14. Swims in streams
15. South American country
17. Type of orange
18. Famous tennis player
20. Suffix
22. Not cooked
23. Poem



PS



AUSTRALIAN PORTLAND CEMENT LTD.
and
SOUTHERN PORTLAND CEMENT LTD.
Berrima — Marulan — Medway — Sydney

NEWS

Vol. 1 — No. 5
OCTOBER, 1971



Mr. W. Gale, Production Superintendent conducts a group of the General Office
(Berrima) ladies around the plant

A.P.C.L. and S.P.C. News

OCTOBER, 1971

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REGULAR CONTRIBUTORS

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

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

COLLIERY . . .
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COPY DEADLINE:
28th of the month prior to the month
of issue.

EDITORIAL

In an attempt to have A.P.C.L. and S.P.C. NEWS published earlier in the month, we have brought out this smaller edition, sixteen pages, including the cover, omitting competitions and results which will be published in the November issue.

I would be pleased if all contributors would take note that in order to have the magazine published not later than the third week of the month, all copy would need to be received by the Editor, not later than the 28th of the previous month. In this case, copy for the November issue would be needed by 28th October.

The reason for this is that the copy must be edited and in some cases re-written, then typed and checked, submitted for approval to the Works Manager and then conveyed to the printer, who by arrangement is allowed ten working days for the printing and completion of the magazine.

During this ten days, after the type is set, the "galley proofs" as they are called, come back to the Editor.

After correction, and planning the lay-out of the magazine, including photographs, the proofs are returned to the printer. Page proofs are then prepared and checked. The magazine is then printed and prepared for distribution.

I would at this time mention that all contributions are indeed gratefully received . . . we would indeed be happy to receive contributions from any employee of A.P.C.L. and S.P.C. Tell us something of your particular job, or tell us of your hobbies and interests. We would also be glad of ideas as to how the magazine can be improved.

Constructive criticism and active participation on the part of readers will go a long way towards producing a works magazine of which we can be justly proud.

No. 5 KILN COOLING FANS

(By ROGER KING)

Three new fan units have been installed on No. 5 kiln to replace the existing "Man-roller" fans.

The fans have been mounted on trolleys, a set of tracks beside the walkway, for ease of movement.

They can be swivelled vertically and horizontally so that any spot on the shell in the firing zone can be reached from the tracks.

Cable drums have been fitted to the trolleys to allow them to be moved from one end of the track to the other without having to touch any extension lead. This also leaves the walkways clear. The operator has only to release the locking screw and roll the trolleys to any desired position.

FAN DETAILS

These fans were made in Sydney by "Accent." The motor is an APCL standard 5.5h.p.



THE EDITOR

1425 r.p.m. Pope.

These motors are foot mounted, which makes them very easy for changing when compared with the old units. The new fans will deliver 14,000 cubic feet per minute at a discharge velocity of 5000 feet per minute.

This is an increase of 60% capacity as compared to the old fans.

ANNUAL BEST SUGGESTION AWARDS FOR 1970

Mr. S. McDonnell and Mr. M. Cosgrove received gold watches for the best suggestions received at Berrima and Marulan, respectively.

The Berrima presentation was made by Mr. F. L. Veal, Works Manager, A.P.C.L., Berrima, on Monday, September 27 in the lunchroom. Mr. Veal said the suggestion regarding Boiler Safety Valves had been tested and proved; savings had resulted from higher steam pressure at the turbines, and lower boiler make-up water.

He encouraged all employees to look around and post in suggestions if they thought of a better or safer way to do a job.

After receiving the watch, Stuart said he had mentioned his idea to Mr. W. Gale, Production Superintendent and Mr. Gale had encouraged him to put his suggestion in writing and hand it in.

You may have a good idea but unless you write it down and put the paper in the suggestion box, you cannot be considered for an award.

The second presentation was made at Marulan on Wednesday, 29th September.

In this case the presentation was made by Mr. K. C. Howard, Executive Officer.

The Quarry and Lime Plant Superintendent, Mr. D. B. Marsden and the Quarry Engineer, Mr. K. Delderfield were also present.

As Mr. K. Howard made the presentation he congratulated Mick, and mentioned the great savings in costs which had resulted from Mick's idea.

He encouraged others who were present to pass on their ideas to the management.

Regarding the idea put forward by Mr. S. McDonnell, Mr. W. Gale gave me the story.

For efficiency reasons it was necessary to increase pressure on numbers 4 and 5 boilers, but neither the company, the D.L.I. (Department of Labour and Industry) or the Boiler Inspectors could suggest why the Boiler Certificates carried such a low pressure rating, and in the absence of any evidence, the D.L.I. was not prepared to increase the pressure rating.

Stuart suggested that this was because numbers 4 and 5 boilers had been installed to run in conjunction with numbers 1, 2 and 3 boilers which were low pressure.

This proved to be the case, and the company was allowed by the D.L.I. to increase the rating. The safety valves could then be set at a higher pressure, allowing a greater load to be carried.

(Continued on Page 5)



Mr. S. McDonnell displays his award.



Mr. F. L. Veal congratulates Stuart.

A.P.C.L AND S.P.C. NEWS—OCTOBER, 1971



Mike Cosgrove is congratulated by Mr. K. C. Howard



Mr. K. Delderfield, Quarry Engineer.



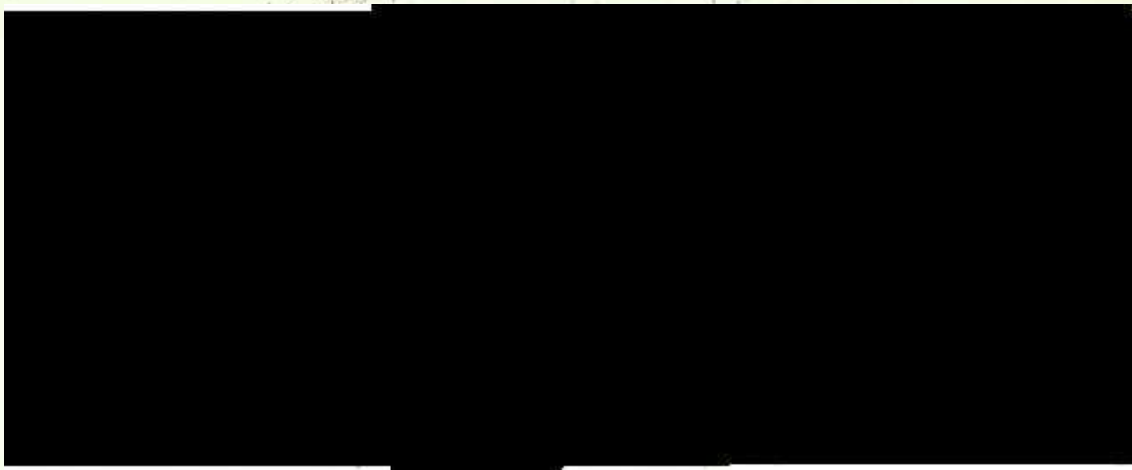
Mr. D. Marsden, Quarry Superintendent, look on.



Mick with his gold watch.



A few of the employees who watched the presentation



Mrs. M. Madden, Secretary to Mr. F. L. Veal and Mr. K. C. Howard, Berrima.

Mrs. J. Williams, Typing Pool Supervisor and Secretary to Mr. L. Lansdown, Works Secretary.

Mrs. E. Banfield, Accounts Payable Department.



Mrs. P. Lloyd, Accounts Department



Mrs. Sue Pull, Accounts Department



LEFT: Granddad's Gallery. Mr. W. South, Berrima and Mr. J. King, Store, Berrima, both fairly recent grandads.

Mr. Keith Delderfield, Quarry Engineer gave details of Mick Cosgrove's suggestion.

It is a method of securing end caps on hinge pins on the Apron Feeder. Previously these were bolted, but they were being sheared off continuously.

Mick's idea was to cut an "L" shaped slot into the side of the cap and plug weld the cap to the pin. In this way he felt sure it would hold in all circumstances.

This was done, and since then, 2nd February, this year, not one cap has been lost.

During the five months previous to this, three hundred hours had actually been spent in replacing these caps. This was estimated at saving of approximately six hundred hours per year.

Both Stuart and Mick received an interim payment of \$50 each — more could come later. It pays to pass on your ideas!

SUGGESTIONS COMMITTEE

The Suggestions Committee is composed of the following: Mr. F. L. Veal, Works Manager, Berrima; Mr. K. C. Howard, Executive Officer; Mr. W. Parsons, Chief Engineer, NSW; Mr. W. Gale, Production Superintendent, Berrima; Mr. K. Delderfield, Marulan Quarry Engineer; Mr. E. Liu, Planning Engineer; Mr. J. Yardi, Technical Assistant; Mr. W. Limond, Technical Assistant; Mr. G. Anderson, Cost Department, Berrima, who is also secretary.

At the meeting held on 24th August, suggestions were considered from J. Bisiker, H. Avent and P. King. Only one award was made to Mr. P. King, Cement Miller. He received six dollars.

HEARD ON THE GRAPEVINE

BERRIMA

Norm Taylor had an operation late in September. We wish him a speedy return to health and strength.

ooOoo

With the establishment of the Central Engineering Department, Mrs. E. Fraser has been appointed to the post of Secretary to the Chief Engineer, N.S.W., Mr. W. Parsons, and typist for the Central Engineering Department. Miss Helen Ferrier, whilst retaining the post of receptionist has also been appointed Secretary to Mr. J. G. Schott, Technical Superintendent, N.S.W., and typist for the Technical Services Centre.

Greg Magnus, son of Mr. R. Magnus, construction supervisor, A.P.C., Berrima, recently distinguished himself in the Billy Cart Derby at Bowral during Tulip Time. Greg came first in his class and age group and second in the grand prix. Maybe Greg's father had something to do with it?

COLLIERY

Robert and Jenny Krahenbuhl have a new daughter, Wendy, a sister for Susan. Robert is an electrician at the Colliery. Jenny once worked in the General Office, Berrima.

ooOoo

Congratulations to Brian Townsend, coach of the under 18 rugby league football team, Moss Vale. The team defeated Campbelltown 13-7 for the coveted Group Six grand final trophy.

The time and dedication given by Brian to the young players, is greatly appreciated by all followers of rugby league. Brian is a deputy at the Colliery.

MARULAN

Mick Smith, Assistant Fitter, was rushed to Goulburn Base Hospital early in October. He was later transferred to Canberra for specialist treatment. Details of his illness were not known at the time of writing.

ooOoo

Lindsay Smart, Marulan Quarry apprentice, is still in hospital following his motor cycling accident.

ooOoo

Roy Clack, Quarry leading hand has been in Goulburn Base Hospital for about three months. He underwent a major operation, but is now back at work. We wish him good health in the future.

MARULAN BOWLS

Marulan South and District Bowling Club Ltd., held its annual general meeting on Monday, 27th September.

Mr J. F. McNicol is the patron.

New officers elected are as follows:

President: Mr Les Cooper.

Vice-presidents: Mr Stan Lovell and Mr. W. McCallum.

Secretary/Licensee: Mr. D. Marsden.

The committee is composed of the following: Mr. J. Galloway, Mr. Tony Cosgrove, Mr. Frank Bell, Mr. Fred Weston and Mr. Dick Bryant.

The new directors are desirous of getting the new extensions under way as soon as possible.

S.P.C. EMPLOYEES' CREDIT UNION LTD.

The eighth annual meeting of Southern Portland Cement Employees' Credit Union Limited was held at Moss Vale Services Club on September 24th.

More than 100 members of the Union, with their wives and families, attended the meeting, where chairman Mr. W. S. Strong welcomed visiting union members, Mr. Bob Monaghan, League Director and Director of Earlwood Community Credit Union and Mr. Ron Hamilton, president of the Southern District Chapter and Director of Illawarra County Council Employees' Credit Union.

The S.P.C. Credit Union was formed in October, 1963, with a membership of 118 and deposits of \$14,423.

Today, membership stands at 578 with an annual deposit of \$188,484.

In his report, Mr. Strong said.

"Membership rose by 79 during the period to 578 at June 30th and has increased more rapidly since. At this date we now have a grand total of 612 members.

Rules changes made at the Special General Meeting added a considerable number of family members, and we are confident that many more will join us in the future.

We are pleased to report that savings increased by an amount of \$72,422.00, and saving members received interest totalling \$16,538.00 but "Thrifty" is not only to be found in deposits alone, as the wise use of credit at the cheapest available rate can be equally important in this day and age.

Loans were made during the year to the value of \$239,782.00. Another milestone was reached as loans made since the formation of the Credit Union, eight short years ago, now total well over \$1,000,000.

You are now millionaires, in the lending field. The pioneers of our Credit Union may feel justly proud.

Our Credit Committee meets each Wednesday, and is entrusted with the task of considering loan applications received from members, before formal recommendation to the Board of Directors. In considering each application the committee has to carefully weigh the ability of the member to meet his repayments, taking into account his income and other commitments.

April 19th, 1971, marked the occasion of the opening of our office in Moss Vale, and though this move was prompted by the need for more space, the effect has been a far greater participation by members and their families than was thought possible.

We express our sincere gratitude to the Management and staff of Southern Portland Cement Ltd., and to Australian Portland Cement Ltd. for the assistance they readily gave during the early years, in the form of accommodation, payroll deductions, etc., and the co-operation we still receive, and wish to assure them that by moving out of the plant we are accepting the costs of business ownership as a penalty imposed by progress, with the earnest hope that our valued bond of association will continue to flourish.

The New South Wales Credit Union League was of great assistance and we acknowledge the efforts of Mr. Harvey Dickinson, Field Officer from this body.

Directors and staff have attended meetings and schools, organised by the league, and it is felt that S.P.C. Employees' Credit Union has greatly benefitted from the knowledge so gained.

We are endeavouring to purchase land in Elizabeth Street, Moss Vale where it is hoped to build our own offices. It is expected that premises will be built large enough, not only to accommodate our offices, but to allow us to lease office space to others, in order to lessen expenses.

Membership will continue to grow as our rules now allow for continuation of membership on retirement or by persons leaving the employ of the company.

We wish to thank our Manager, Mr. Tom Richards for his continued keen interest and active participation in all the affairs of the Credit Union which often go above and beyond the call of duty.

We record our appreciation and thanks to Tom and his staff for their assistance and application to the job in hand throughout the year.

My personal thanks to the members of the board for their co-operation and loyal support during my term in office.

Volunteers are one of the vital differences that set credit unions apart from other financial institutions. They prove that credit unions are owned and operated by their members, and they are the ones who make it

possible for us to offer services at a cost lower than most lending and saving organisation."

Directors elected during the evening were: Messrs: I. Cairns, O. Jacobson, W. S. Strong, S. Bell (Marulan), J. B. Bell, S. V. Murphy and J. A. King.

JUNIOR PAGE

WHAT DOES DAYLIGHT SAVING MEAN?

At the end of this month what is known as "Daylight Saving" will be introduced. The idea was used in Australia during the second World War but it has been used in the British Isles since the first World War of 1914 to 1918.

How did it all start? How can you "save" daylight?

A London builder named William Willett used to like going for a brisk canter on horseback early every morning. One sunny morning in the summer of 1907 he was returning from his ride when he particularly noticed the great number of blinds that were still down, showing that the occupants of the houses were still in bed.

He felt sorry for them, what a pity that they had all missed this glorious morning. He began wondering if they could be persuaded to get up earlier. He realised that it would be a very hard task to get people to voluntarily miss part of their sleep.

Then he had an inspiration. If everyone all over the country agreed to put their clocks forward by one hour, then, all would go to bed one hour earlier, and get up one hour earlier, without any trouble. Everyone would still go by the clock for work and meal times, but there would be an extra hour of daylight at the end of each day.

From that moment William Willett spent most of his time, energy and money in trying to convince people of the saving in daylight that he idea would bring. He realised that an act of Parliament would be necessary. It would have to become law, that everyone on a certain day at a certain time must put forward clocks and watches by one hour.

It was not long before the first Daylight Saving Bill was introduced to the House of Commons by a member of Parliament. The House of Commons in England is similar to the House of Representative in Australia.

Many people were against the idea.

Many said William Willett was just a

crank. He died in 1915, and still his idea had not been accepted.

The following year, 1916, when Britain was in the middle of the first World War, the Daylight Saving Bill was passed by a large majority. It became law, but not because the Government wanted all people to enjoy more daylight, but because they wanted to save gas and electricity.

Next month you will have more daylight. After the clocks are put forward one hour, you will have more time outside before it gets dark.

Continuing Don Bradman's Early Days

When Don was 12 years of age, he played in his first match for Bowral High School. It was against Mittagong school, deadly rivals.

The Mittagong team had a fast bowler, and had won renown in this district. However, it was in this match that Don scored his first century, 115 not out. Bowral won the match.

At this stage, Don was allowed to act as scorer for the Bowral town team. His uncle was Captain. On one occasion whilst playing against Moss Vale, one of the Bowral players failed to turn up, and Don was asked to take his place. Weilding a man's full-sized bat, he scored 37 not out. He was 13 years of age and played again the following week.

It was this same year that Don set out, on what he calls, the greatest adventure of his boyhood days, his father took him to Sydney. It was the fifth test match of the series between England and Australia.

During one of the intervals, his father took him for a walk around the ground and a peep at the pavilion. Don said to his father. "I shall never be satisfied until I play on this ground."

Don Bradman's next visit to the Sydney Cricket Ground was when he stepped on it as a player, years later!

That first visit had aroused in him the ambition to become a great cricketer.

ooOoo

Mr. Fred Bornar, who was Apprentice Training Foreman at S.P.C. until his retirement in 1968, is at present a patient in Bowral Hospital. We wish him a speedy and complete recovery.

GOULBURN APPRENTICESHIP WEEK

The Goulburn Technical College and the Soroptimist Club of Goulburn, presented an exhibition of students' work in the Lilac Time Hall, Goulburn, on Monday, 20th September.

Australian Portland Cement Ltd., Berrima and Southern Portland Cement Ltd., Marulan put on show a number of projects made by apprentices.

These included models of Marulan Quarry, a 4" Jaw Crusher, a Disc Pulveriser and a five-ton Hydraulic Press. Also a public address system made by Marulan boys.

Exhibits from Berrima included two D.C. electric motors, a painting by M. Williamson and a number of smaller items.

The boys in attendance were Marulan apprentices, Daryl Bryant and Chris Riley both Fitting and Turning, and Robert Van Os, electrical.

From the Technical College there were displays of Fitting and Machining, Automotive Trades, Plumbing, Panel Beating, Electrical, Painting and Decorating, Carpentry and Join-

ery, Footwear, and of course, in the evening the Hairdressing Championships for senior hairdressers and the Hairdressing Apprentice of the year.

All the proceeds went to the Goulburn Soroptimist Club Youth Scholarships.

The exhibition of A.P.C.L and S.P.C. projects was arranged by Mr. E. Radnidge, Apprentice Training Foreman.

At these times it is very easy to forget all the work that goes into the preparation and setting up of an exhibition of this kind, but it would not be possible without the co-operation of foremen, transport, and a Rigger. Tom Aitken, Leading Hand Rigger and Ernie Boyd of the Transport Department made early starts, getting the exhibits to the hall, unloading and setting up.

The Southern Tablelands County Council supplied the crane and hoist, also making available the power for the exhibits.

We can only say A.P.C.L. and S.P.C. are especially grateful these services.

BITS AND PIECES

Which bird can fly the highest?

The great height actually known to have been reached by any bird was 26,000 feet by a chough (Red-legged crow) on Mount Everest in 1923.

It is also recorded that a lammergeier, or bearded vulture, was seen flying over the Himalayas in 1922 at a height of over 24,000 feet. Lammergeiers which are birds of prey, are sometimes called "bone-breaker" because of their habit of dropping bone and tortoises from great heights to split them open.

ooOoo

How many legs has a caterpillar?

With few exceptions, the caterpillars of butterflies and moths have pairs of legs. To be more exact, they have three pairs of jointed legs in the front, and five pairs of short fleshy feet farther along the body.

These legs, called prolegs, are used for holding on to the plant which the caterpillar is eating.

Uncle Sam is a legendary figure said to represent the United States Government or a citizen of that country. Just as John Bull often represents Great Britain.

How did Uncle Sam originate?

Here is the story.

During the war with England in 1812, a contractor by the name of Elbert Anderson had the job of collecting stores for the American Army. These stores had to be inspected on behalf of the government by Ebenezer Wilson and his uncle, Sam Wilson.

When approved these stores bore an official identification, "E.A.-U.S." This means, Elbert Anderson, United States.

A worker jokingly suggested that the initials meant Elbert Anderson and Uncle Sam, and the joke spread.

An artist then drew an imaginary figure with goatee beard and top hat. Not being quite satisfied he added a starry waistcoat.

This figure gradually became the symbol of this United States.

This cartoon first appeared in the Punch magazine in 1862, just after the abolition of slavery in the United States.



Tom Aitken and Ernie Boyd unloading exhibits.

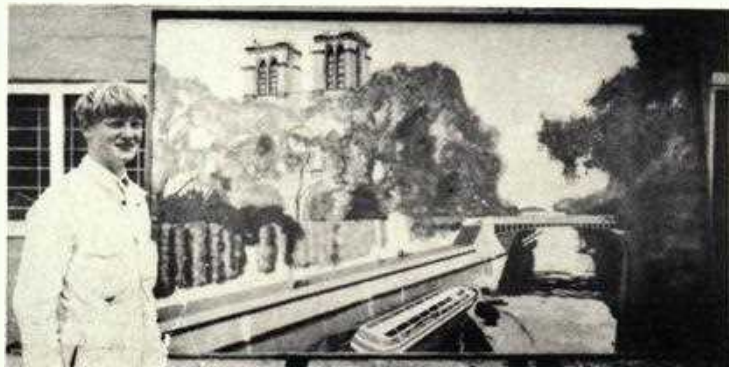


ABOVE: General View of Exhibit.
Mr. E. Radnidge on right apprentice
R. Vanas on left.

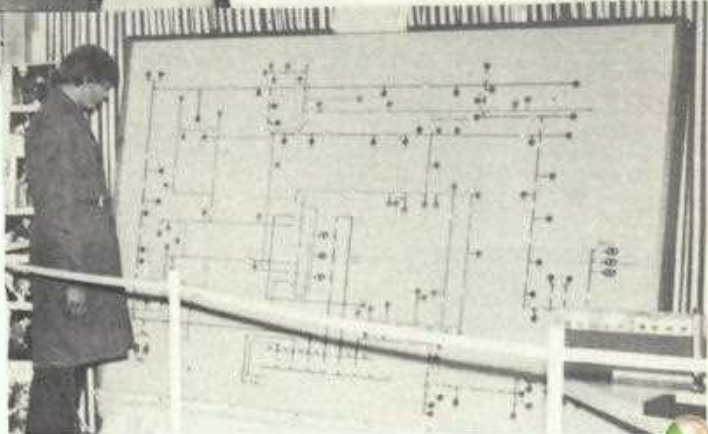


ABOVE RIGHT: Mr. E. Boyd guid-
ing the hoist.

RIGHT: Apprentice Michael Wil-
liamson with his picture project.
House paints only were used.



RIGHT AND BELOW: Marulan
Apprentices Chris Riley and Daryl
Bryant, demonstrating exhibits.





Mr. Peter Cooper in charge of the painting and decorating exhibit.

PREVIOUS PAGE: Technical College students work from the Carpentry and Joinery and Fitting and Turning Sections. Also on show a mimic board by the S.T.C.C. Electricity Department showing distribution of light and power in Goulburn and district and an exhibit by the P.M.G.

NATURE NOTES

Well, it's that time of the year again when you can look forward to the great outdoors. It's time to get the winter woollies off and prepare for the summer months.

And it's also the time for nature to awaken from her dormant winter months.

With this in mind we should start to get our gear out and prepare ourselves for the study of our environment.

For those with a single lens reflex camera (S.L.R.) then there is plenty to offer. A telephoto lens and some flash equipment and a hide or blind then you can try your hand at photographing birds. With a close-up lens attachment, you can enter the field of photographing flowers and insects, etc.

If you haven't a camera and you want to study pond-life, then a couple of glass jars and an aquarium is all you require.

Maybe you often visit the beach then why not become an amateur conchologist or shell collector. One point I would like to impress upon you here is to put back rocks or stones from where you have turned them over. If you don't then you'll contribute to upsetting the life of the seashore.

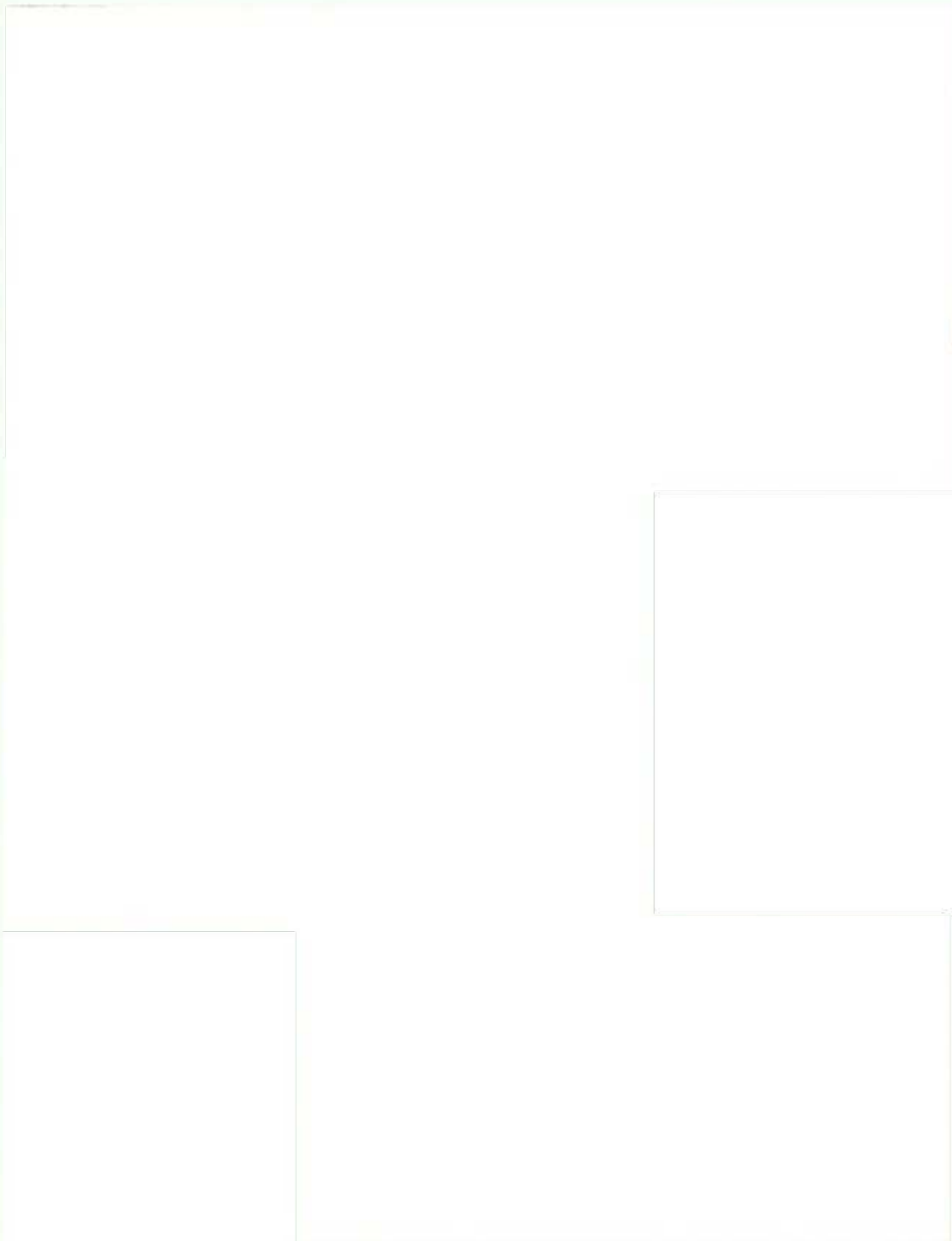
Spring and summer time is wildflower time and the study of botany is then a reality to the lover of native flora. Wildflowers grow almost anywhere and in all climates. Unfortunately the collecting of most of our native plants is forbidden, however, I would suggest that should someone be interested in collecting them for study or pressing them, then they could get in touch with the National Parks and Wildlife Service.

Summer is the time when the entomologist should have his butterfly net ready for collecting a specimen that may be rare or new to him. It's the time when insects emerge from their crystalis to prepare themselves for fulfilling their own purpose in life, to regenerate.

Birdwatching requires a pair of 7x50 or 8x50 field glasses, a hide, notebook and pen. There are almost 800 species of birds in Australia and about 180 of these could well be found to inhabit the Berrima district.

As with all these subjects the cost is very little and the effort is very rewarding. Reference books are available on all the subjects and many societies or clubs would welcome new members.

Mr. W. Gale takes some of the lady members of the staff of General Office, Berrima
on a tour of the plant.



GARDENING

FLOWERS — Sow: Ageratum, Antirrhinum, Aster, Aquilegia, Balsam, Candytuft, Celosia, Cosmos, Dahlia, Delphinium, Dianthus, Gaillardia, Godetia, Nasturtium, Petunia; Plant: Antirrhinum, Aster, Carnation, Dianthus, Delphinium, Petunia, Phlox, Gladioli.

VEGETABLES — Sow: Broad Beans, French Beans, Cabbage, Celery, Cucumber, Lettuce, Melon, Peas, Pumpkin, Marrow, Radish, Beetroot, Silver Beet, Herbs, Kohl Rabi, Parsley, Turnip; Plant: Cabbage, Lettuce, Silver Beet, Tomato, Potato.

There have been one or two warm bursts of weather during September, which have forced the growth of flowering trees and shrubs, so that most Spring flowers are already in full bloom. There has also been a little rain.

Prune Flowering Peaches, Plums, Apricots and Almonds as quickly as possible, but DO NOT prune Flowering Cherries and Crab Apples unless they have crossing branches or are getting too large for their positions in the garden.

Chrysanthemum plants and Dahlia tubers should be planted this month, making sure that they are correctly labelled and that each Dahlia tuber is put in alongside a stout stake, ready for tying later.

Rose bushes should be given a good handful of "Blood and Bone" fertiliser now or some other complete fertiliser, to get the new growth away to a good start.

Have a good look at newly-planted shrubs and trees, to see that they are firmly tied to stakes, to prevent damage from wind and see that the roots are kept moist.

Evergreen trees and shrubs which have been recently planted will benefit from an overhead watering once or twice daily during windy weather.

We are still having frosts, so remember to cover tomato plants on clear, cold nights, and also any other plants which are not completely hardy.

Keep a good watch for aphids and spray these with Rogor 40 at the right strength, for control. Set baits regularly for slugs and snails.

Fishy Tales

Well, if anyone went fishing recently, they would just about land their sinkers in New Zealand!

I started out on a fishing trip one weekend with no particular place in mind, and it was blowing a roaring westerly in Moss Vale. On reaching Minnamurra Inlet, I found it so quiet and peaceful that it was hard to imagine.

I bet Jack Brown is sorry to come back to this weather. As a matter of fact, he's sorry to come back at all! He made quite good bags of bream and whiting whilst holidaying on the far north coast. Three or four of our regular anglers have had a throw out latley, but with very poor results.

I think that Sam Marshall would have

done as well as anyone with a good bag of trout from two to four pounds. Sam said Mr. McNicol landed "millions" of them! Well, I suppose he would have to say that about the G.M!

They took very large sleeping bags — I suppose they would hold a man and a dozen beer! Anyhow, they reckon the Snow area is still a good place, although due to the disappearance of quite a lot of the original lush food, and intensive fishing, not too many seven pounders are landed these days.

I've just read a statement that puts all the "chooks" in creation in the shade. A female prawn produces between 300,000 and a million eggs! No wonder the Japanese Fisheries are concentrating on producing the prawn, they estimate that they will require 11.5 million metric tons of fishy products by the year 1977!

Pass, story in last month's "News."





AUSTRALIAN PORTLAND CEMENT LTD.

and

SOUTHERN PORTLAND CEMENT LTD.

Berrima — Marulan — Medway — Sydney

NEWS

VOL. 1 — No. 6
NOVEMBER, 1971



This recent view of the Works Office and Weighbridge, taken from the Machine Shop, gives some idea of the picturesque surroundings of A.P.C.L., Berrima works.

A.P.C.L. and S.P.C. News

NOVEMBER, 1971

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J. Lewis — Bits and Pieces.

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

COLLIERY . . .
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EDITORIAL

An unusual advertisement appeared in the London Times in the year 1900. Answers came from all over the country in response.

But it was not the clever wording or striking layout that brought the answers, it was the challenge.

The advertisement, signed by Sir Ernest Shackleton ran something like this: "Men wanted for hazardous journey, small wages, bitter cold, long months of complete darkness, constant danger, safe return doubtful. Honour and recognition in case of success."

Real life is not a bed of roses, most people find this out very early. But it is the living, the day to day trials and joys that make life, not some dream that forever seems out of reach. I read of a Chinese tale about a little fish.

The fish overheard one fisherman say to another: "Have you ever stopped to think how essential water is to life? Without water our earth would dry up. Every living thing would die."

The fish became panic stricken. "I must find water at once, or in a few days I will be dead!" he exclaimed, and went swimming away as fast as he could.

But where could he find water? He had never heard of it before. He asked the other fish in the lake, but they didn't know. He swam out into a large river, but no fish could tell him where to find water.

He kept on swimming until he reached the deepest place in the ocean. Then he found an old and wise fish. He gasped: "Where can I find water?" The old fish chuckled, "Water? why you are in it right now. You were in it back home in your own lake. You have never been out of it since the day you were born."

The fish was looking for life and he was in it.

Many of us are seeking for life. A full, useful, happy life, but we are looking for it in the future when, in effect, like the fish and the water, were in it all the time.

Life is made up of all those hardships that Shackleton mentioned in his advertisement and much more. It is the striving, the working towards a goal, as well as the disappointments and joys that make up life, and this is every day, every hour, whilst we are looking only to the future for some sort of hazy Utopia, we are missing Life, with a capital L.

I noticed on the desk calendar recently, this proverb: "A long life may not be good enough — but a good life is long enough."

And the good life, is the one in which we live every moment of time. It is not the length of life that counts, but what we put into it, and what we get out of it, determines what we get out of it.

This brings the joy of achievement, the true joy of living, satisfaction, and it helps to prepare us for the life to come.

— THE EDITOR.

HEARD ON THE GRAPEVINE

COLLIERY

Kevin Moule has recently returned to the Colliery and has taken the position vacated by Archie Murchie, on his retirement.

Kevin worked at the mine before mechanisation and was "cavilled out" when the machines took over. Max Thorpe explained to me the meaning of "cavilled out."

It is a mining term, in this particular instance it referred to those who left the employ of S.P.C. Colliery with the advent of mechanisation. The matter of who stayed was determined by seniority, but those who were "cavilled out" had the right to return when their turn came round.

In the case of Kevin Moule, who had been travelling to Wollondilly Colliery, it was no doubt a happy day when his turn came round to return to S.P.C. Welcome back Kevin.

ooOoo

Whilst seeking more information regarding the mining term "cavil," I discovered that, in the days of contract mining at the coal face by hand, a cavil was held every three months.

The reason for this was that some coal faces were much better to work at than others, some were wet, some were dry, and so on. So the contract miners drew lots as to where they would work for the next three months, and this was called a "cavil."

The wheelers also "cavilled" for different roads.

ooOoo

It seems that Colliery employees are raising quite a crop of rugby league stars.

Don Ray's son, Lloyd, played with the Mittagong under 12's and won the trophy for being the best forward.

Noel Hood's son, Michael, and Lew Wilson's son, Paul, starred with the strong Bowral side when they won the rugby league under 7 competition.

ooOoo

Mark Thorpe, the son of Max Thorpe of the Colliery, won three rugby league football trophies during the rugby league football season for being one of the best under 12 players. One trophy was for being the most improved player, the second was for being judged the best player in the grand final, and the

third was the Paddy Burke Trophy for the most improved player in any grade of the under twelves. Congratulations Mark, keep up the good work.

BERRIMA

Recently we had word from Bill Rutter who retired last March. Bill and his wife moved to Miami Queensland. They are settling in, and enjoying the climate, which Bill says is super! He send his regards to all the "boys" at A.P.C., Berrima.

ooOoo

Just a reminder about the Entertainment Fund Annual Picnic and Sports. This will be held on Sunday, 5th December, at the A.P.C.L. Sports Oval, New Berrima. By the time this is in print, you will no doubt have received your invitation. The Committee decided that there would be no Fancy Dress this year, owing to the fact that it interfered too much with the Sports Programme. There will, of course, be all the usual attractions, including the presents from Santa Claus and the Barbecue Lunch. See you there.

ooOoo

Recently Liol Bush visited Archie MacFarlane who is at present expanding his business at Macquarie Fields. Archie who worked both at Marulan and Berrima wishes to be remembered to all who knew him.

ooOoo

Congratulations to Peter Doyle and wife Lola on the birth of twin girls. Peter Doyle works at the Laboratory, A.P.C.L., Berrima.

MARULAN

Mick Smith, who has been very ill in Canberra hospital, is now on the mend. We all wish him a speedy return to health and strength.

Mick's daughter, Diane, won the Lilac Time Queen contest with a total of \$7,500. Diane is engaged to Dick Bryant, Fitting and Turning apprentice (now known to his friends as "King Dick"). Diane and Dick plan to marry early next year, and use Diane prize of a trip to Fiji, as their honeymoon.

Eric and Christine Rumsey are the proud parents of a daughter. Eric, a former apprentice, is at present in the National Service.

ooOoo

Congratulations to Peter and Vicki Knowles on winning the Goulburn and district Lilac Time Waltzing competition.

THE HISTORY OF CEMENT

PART 1

Many of us, although employed in the Cement Industry, doubtless know very little about the history of cement.

I am one of those people, and for months I have had in mind that a series of articles on this would benefit not only myself, but perhaps a good many of our readers.

I was amazed when I realised that in many of the huge Roman buildings, concrete was used.

The most famous of these is the Pantheon in Rome. The walls are 20 feet thick, composed of what is known as tuff, or Pozzolana concrete, the walls are thinly faced with brick. The dome, which has a span of 142 feet six inches, is cast solid in concrete containing pumice and pozzolana.

It is quite evident, that wooden boards were used as moulds, and the concrete filled in, in a semi-fluid condition.

The present condition of many Roman buildings is sufficient testimony to the understanding of the process and excellence of the material. Many great masses of Roman concrete can still be seen along the coast between Naples and Gaeta.

Btu more of this later.

Let us go back further in history.

In the very early days, cements, that is, substances capable of uniting fragments or masses of solid matter into a compact whole, were not used.

The earliest structures were composed of earth, raised in the form of walls or domes by the ramming of successive layers, or of stone blocks set one above another.

The very simplest use of a cement is found in ancient Egyptian buildings.

Mud bricks were dried in the sun without baking, and each course was covered with a moist layer of River Nile mud.

The drying of the successive layers made a wall of solid dry clay.

Of course, such a method of construction can only be used in a rainless climate.

In some of these bricks, straw has been found, in other no straw was used.

It would seem that the Bible story of the Israelite slaves making bricks, first with straw and later without, is strikingly proved.

Burnt bricks and alabaster slabs were employed by the Babylonians and Assyrians, and were cemented together with bitumen.

This proved very effective, but the method is of course confined to regions in which natural deposits of the material occur.

It was not copied elsewhere.

In the massive masonry constructions of the Egyptians, such as the Great Pyramid, we find the method on which our present day system is established that of uniting blocks and slabs of stone with a mortar.

Chemical examination has shown that lime was not used by the Egyptians, until the Roman period, the mortar in the earlier erections being composed of sand and a cementing material obtained by burning gypsum (mineral from which plaster of paris is made).

In the next article, we shall take a look again at Roman cement, the use of concrete in the Middle Ages, and the invention of Portland cement.

OBITUARY

Tom Newstead

It is with regret that we have to report the death of Mr. Tom Newstead. Tom retired in 1967 owing to ill-health.

Previously he had worked in the Stockhouse for ten years.

His son, Chris served his apprenticeship with the company and later went to New Zealand on a working holiday.

On the death of his father, Chris returned to this country and is now back with the company as an Electrical Fitter.

We extend our condolences to Mrs. Newstead, Chris and his brothers and sister.

Apprentice Parents Day 1971

The apprentice and parents' day was this year held at Marulan South Quarry on Saturday, 16th October.

Over 150 parents and friends were in attendance. Among the many working exhibits was the pulverizer and a public address system made by the Marulan apprentices this year.

A Mimic Board, showing by the means of vari-coloured plastic strips and lights, the flow and indication diagram of numbers 2 and 4 kilns, was from Berrima.

The drawings, wiring and mounting was the work of the Berrima electrical boys, as was also the electric motors and other items on view.

Morning tea was provided and Mr. E. Radnidge, Apprentice Training Foreman, then introduced the executives and various staff members present.

Mr. D. Marsden, Quarry Superintendent, welcomed the guests. He emphasized how that the management was proud of the boys, and the boys themselves were proud of their work.

Mr. F. L. Veal, Works Manager, Berrima and Chairman of the Staff Training Committee, referred to the merger which had taken place since last Parents' Day. He said that the same high standard of technical training would be maintained both at Marulan and Berrima. He complimented the apprentices on the excellence of their projects, and thanked Mr Radnidge and all members of the Staff Training Committee.

Mr. J. F. McNicol, General Manager, S.P.C., and General Manager, A.P.C., N.S.W. operations, mentioned, in his remarks, that it was good to see the interest of parents in the work of their boys, whatever we do in life, training is essential, when we stop learning, it is the end.

Twenty years ago, Mr. McNicol held the job that Mr. D. Marsden now holds. In those days he was called the "Officer in Charge."

"That shows," he said, "that it takes a long time to get anywhere!"

His message to all apprentices, trainees and learners, was "It takes hard work, the opportunity is there, it depends on what you do with it!"

Mr. Radnidge then introduced the film that had been obtained for the occasion from the Cement and Concrete Association. It was entitled "Modern Architecture in Japan."

The film showed how Japan in the past had used wood to create many beautiful and useful buildings, today, the same skill, craftsmanship and artistry was going into the creation of Japan's modern concrete buildings.

The concrete continuing to reflect the appearance and beauty of the ancient wooden structures.

Tours of the Quarry followed. An innovation which proved very popular was the use of a coach to take parties around the Quarry workings and the Lime Hydration Plant.

Mr. Trevor Pearson, General Foreman gave a running commentary over the coach P.A. system which was greatly appreciated.

Some of the apprentices were at work on the lathes and other equipment in the Machine Shop, and were a centre of interest.

Another highlight was the opportunity of a ride in the huge Euclid trucks, and many visitors took advantage of this.

Altogether, the day was a tremendous success. This of course, was only made possible by the careful planning of Mr. Radnidge and the co-operation of foremen both in Marulan and Berrima, the preparation and completion of the apprentice projects, the work of transporting, loading, and unloading of the exhibits, and the settling up of the display.

Last, but not least, Mr. Les Cooper and his caterers must be included, all had a part in an outstanding experience.

Next year, Parents' Day will be held at the Berrima Plant.

Photo captions results

"A" — "The Safest One for the Road", Mr. J. Lewis, Loco Driver, Berrima, 1st.

"Make it a Quick One While Nobody's Looking", Mr. A. King, General Office, Berrima, 2nd.

"B" — Screwy Work, Grahame Dickson 1st; "What's That! Good — 12 o'clock whistle", Mrs L. Bush, 2nd.

Each will receive one dollar.



LEFT:
The gathering was
held in Marulan
South Hall.

BELOW:
Inside the hall some
of the guests view
the exhibits.



ABOVE:
Mr. D. Marsden
welcomes the
guests.



Some apprentice projects were on view outside the hall.

Some smaller projects inside.



The coach on a Quarry tour. Euclids at right in background.



Parents and grandparents showed great interest in apprentice projects.

chats with John Grilz, Electrical Maintenance Foreman, Berrima, and Assistant, Bob Strode.

APPRENTICESHIP WEEK EXHIBITION Wollongong Town Hall

Once again A.P.C.L. and S.P.C. were prominent by thier display in this year's exhibition. Many of the exhibits were taken to Wollongong from Marulan and Berrima, and strikingly arranged at our allotted place in the Town Hall.

We were in good company, among others participating were A.I.S., Department of Labour and Industry, Departments of Technical Education, John Lysaght (Aust.) Ltd., Qantas, R.A.N., Metal Manufacturers Ltd., Illawarra County Council, Evans Deakin Industries Ltd., and many more.

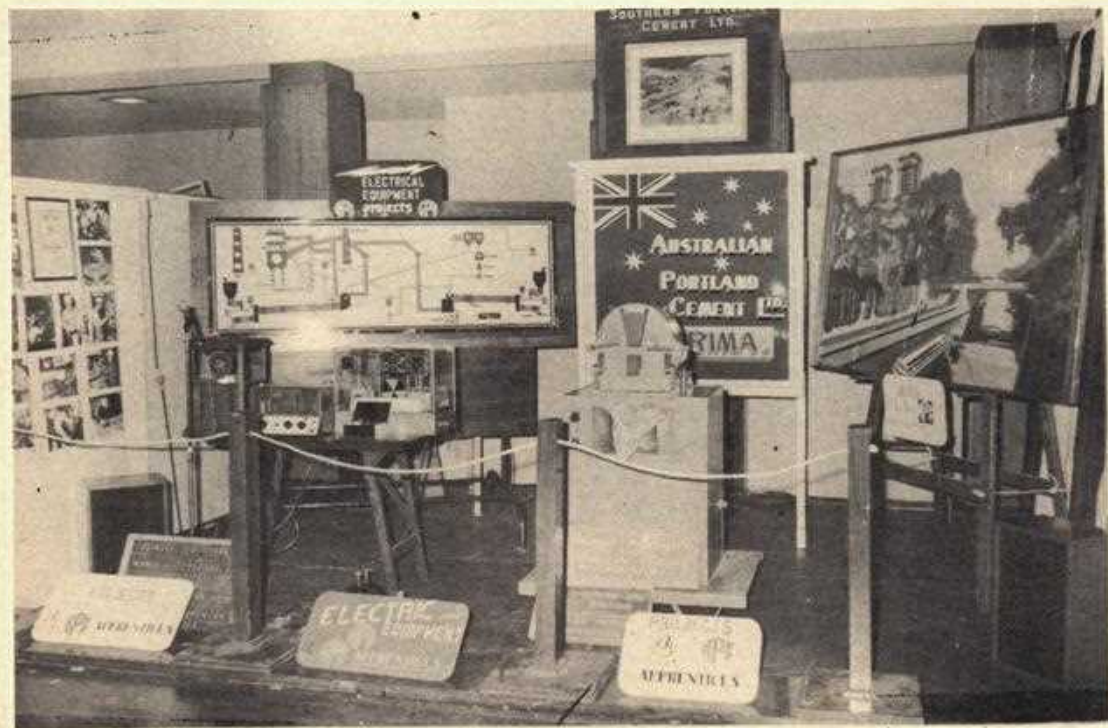
The Wollongong-Port Kembla Apprenticeship Advisory Committee has as its Aim the encouragement of greater pride in craftsmanship, and desires to emphasise the importance of skilled training through apprenticeships.

The official opening ceremony took place on Tuesday, 19th October, at this time, the presentaiton of awards to leading apprentices of the district took place.

Throughout the duration of the exhibition, Mr. Radnidge and three apprentices were in attendance.

The accompanying pictures tell the story. The exhibition is increasing in popularity, as evidenced by the greater numbers of people who viewed the exhibits and showed keen interest.

The Minister for Labour and Industry, Mr. Hewitt, said on the official opening night, that the exhibition was among the best he had seen.



The A.P.C.L. and S.P.C. stand at Wollongong Town Hall — (A.I.S. photo.)



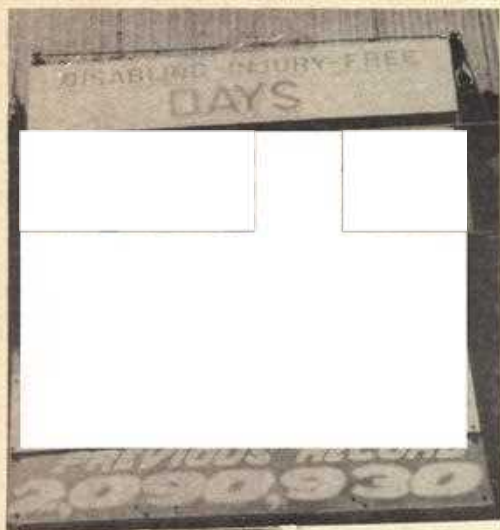
Apprentices Daryl Bryand, Bernard Rowley and Peter Galloway, with Mr. E. Radnidge, at the Wollongong exhibit.



Tom Aitken supervising the unloading of the crusher.



Mrs. T. Pearson, wife of Trevor Pearson, General Foreman, Marulan Quarry. Mrs. Pearson's entry in No. 4 Rytewords wins for her the Jackpot of \$8.00. Hers was the only correct entry out of 66. Four had only one mistake. You could be the next big winner. Turn to the Outside Back Cover.

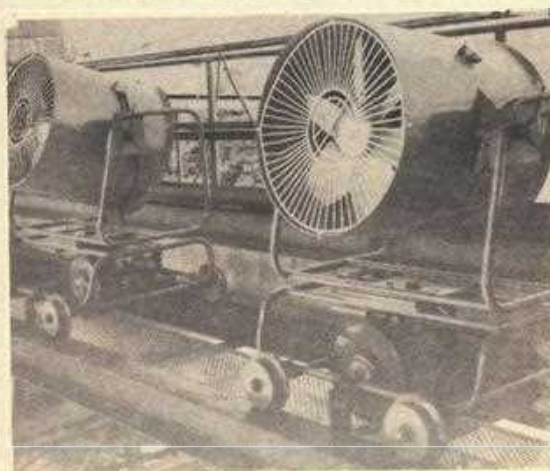


The sign over the entrance to the Bulk Stores under the Kiln Section is always a centre of interest.

BERRIMA SCORES ANOTHER MILLION

I wish to congratulate you and all other Berrima employees in your efforts in working safely over the past 16 months, thus achieving 100,000 man-hours without a disabling injury, on the 22nd October, 1971.

Mr. F. L. VEAL,
Works Manager,
A.P.C.L., Berrima.



The new No. 5 Kiln Cooling Fan. Story in last month's issue.

Colliery Retirement

Mr. Archie Murchie retired on 15th of October. He started at the colliery in May, 1946, and has now completed over 25 years services. Archie was a contract miner, working at the coal face until mechanisation. Since then he has been a first class shiftman, underground. Archie and his wife have raised a large family. At one time he had four sons working at the Colliery.



Mr. A. Murchie





LEFT:
Mr. E. Radnidge brought his
wife along to Marulan
on Parents' Day.

Mrs. L. Godfrey, Machine Room, General Office, Berrima

Mrs. Kay Francis of the Typing Pool, General Office,
Berrima



Paddle Steamer on the Murray River. These steamers are being used increasingly
as tourist attractions — (Photo: Col. Glacken, Marulan)

FISHY TALES

I visited Shoalhaven Heads last week and a friend who live there most of the year told me a sad tale.

He was in a party of three recently, who fished all day for three bream and two mullet! And — this was his first bag since the beginning of winter!

This does not look too promising for the proposed annual fishing competition, which will be held on Comerong Island in possibly the last weekend in November.

Watch for Jack Brown's reminders round the plant. Surely someone can beat Bobby Friend's last year bag!

Just to encourage you, a friend of mine saw a jewfish landed at the mouth of the Hawkesbury, and it went 105 pounds! Had to be scaled with a spade! Well, I'm sorry to have to admit that nothing like that has come to my house — even our 15 pounders have been caught by my wife!

Reports of outside fishing are not encouraging. Ken Coats fished with a Moss Vale club to land some decent kingfish. He said these fish have to receive some treatment before cooking, but properly treated and cooked can be delicious.

Reminds me of my catfish — Tossed dozens back into Newcastle harbour when I was a kid! Wish I had them now, they eat very well.

FISHING COMPETITION

The A.P.C.L., Berrima Fishing competition will be held on Sunday, 28th November, rain or shine, at Comerong Island.

Start: 8 a.m.; finish: 6 p.m.

Entry fee: \$1.00 per head, this will be used as prize money.

First prize will be awarded for the heaviest bag of fish; Second prize for the largest fish; Third prize for the biggest variety.

See you there.

—Jack Brown



OBITUARY — Fred Bonnar

It is with sadness that we record the passing of Mr Fred Bonnar on Wednesday night, November 3, 1971. He had been ill and confined to bed in Bowral Hospital for some weeks.

Fred retired in November 1968 at the normal retiring age. He was born in South Australia, at Iron Knob in 1903. He completed an electrical apprenticeship, and in 1936 joined the BHP.

In 1941 he joined SPC Ltd, where he assisted with the re-wiring of the machine shop, leaving in 1947 to join with Finlaysons, of Moss Vale. Two years later he was back with SPC and stayed until his retirement.

Successively Fred served as assistant Electrical Foreman, Welfare Officer and Apprentice Training Foreman.

He was Chairman of the Employer's Welfare Sick and Accident Fund from its inception in 1961. He was also greatly interested in the beginnings of the SPC Employees Credit Union Ltd., and was for a time Chairman of the Board of Directors.

When he retired he said that his association with the Company had been a very happy one.

The Company and all his friends at SPC and APC extend their deepest sympathy to Mrs Bonnar and all the family.



Miss E. Socha, top right, brought her students from the Day Secretarial Course at Moss Vale Technical College on a visit to A.P.C.L. General Office, Berrima. In these photographs, we see Mr. John Wills explaining the working of the Accounts Payable Section to this very attentive group of young ladies.

BELOW: WHAT IS IT?

Just another of Bob Friend's hobbies, a piece of driftwood, polished and mounted.

Bob says he thinks the "head" looks very much like the "head" of a sheep. Bob works in the Powerhouse, Berrima.



Junior Page

The Scientist who invented the term "Radioactivity"

The scientist who invented the term "radioactivity."

The term "radioactivity" is used a great deal today, but it was invented by Marie Curie for the mysterious rays given off by uranium.

These uranium rays had been discovered by a Frenchman, Henri Becquerel. He thought that the uranium salt in his possession, absorbed rays from the sunlight and sent them out again. He wrapped a photographic plate in black paper, placed a thin crystal of the salt on top and exposed it to the sunlight. The photographic plate was found to be darkened by the rays from the uranium which passed through the paper.

Becquerel repeated his experiment with sheets of copper and aluminium and still the plate was darkened.

On the last three days of February, 1896 the sun did not shine, so Becquerel put his plates and uranium salt in a drawer.

On March 1st he took them out, and found that the plates were darkened just as much as they had been when exposed to the sunshine.

It was evidently the uranium itself that was sending out the rays.

At this time, Marie Curie, the wife of Pierre Curie, also a scientist was looking for a subject of research for her doctorate.

Marie had two university degrees, a fellowship, and a high reputation for her work on magnetism. She was also keeping house and looking after her first baby, Irene.

However, she was determined to find out more about the Becquerel rays.

It was this series of researches that she now commenced that was to make her the world's greatest woman scientist.

She found that some minerals were giving off radioactivity in much greater quantity than uranium. She concluded that this must be caused by a new element.

Marie Curie decided to seek for this new element in the ore called pitchblende. It was not long before her husband, Pierre, left his own work and joined in the search.

For about two years they worked, analysing the ore, and gradually narrowing the search, and then in July, 1898, they wrote: "We believe that the substance we have isolated from pitchblende contains a hitherto unknown metal . . . we propose to call it polonium, after the name of the native country of one of us."

In December of 1898 they wrote again: "We believe that the new radioactive substance contains a new element to which we propose to give the name of radium . . . the radioactivity of radium must be enormous."

Other scientists would not believe that two new chemical elements had been discovered, they wanted to see them.

So Pierre and Marie set to work again. They did not have a proper laboratory in which to work and had to use an old leaky shed in a courtyard at the School of Physics. For four years they worked. Marie Curie said later that although it was backbreaking work they were the happiest years of their lives.

"I wonder what it will be like?" she said to her husband one day. "Pierre, what form do you imagine it will take?"

"I don't know," he said, "but I should like it to have a very beautiful colour."

At last, one-tenth of a gramme of pure radium was isolated. That night, after Irene had been put to bed, Marie could not settle to her sewing.

"Let's go over to the shed for a moment," said Marie to Pierre.

They entered the shed, in the dark, and stopped in amazement; on shelves all around the shed, the tiny particles in their containers were shining with a pale blue glow, a wonderful and beautiful sight.

The radium had more than the beautiful colour Pierre had wished for. It was a sight that Marie remembered for the rest of her life.

NOTE: For the above information the Editor is indebted to the Children's Encyclopaedia; and a book written by Marie Curie's second daughter, Eve.

ANSWERS TO QUIZ

- 1, C; 2, C; 3, A; 4, B; 5, B; 6, C; 7, A; 8, B; 9, A; 10, B.

NATURE NOTES

— Chris Sonter

It seems almost incredible the amount of work some birds put into their lives in order to survive, and I mean sheer, hard physical work.

The instinct, the drive, the determination to do that which is needed to fulfill their purpose on earth is beyond all human comprehension.

With these thoughts I cannot help but wonder at the marvels of two types of birds — those that migrate over vast stretches of land and sea and those that build huge nests of dirt and vegetable matter in which to incubate their eggs.

In this issue, let's just have a glimpse of the latter category.

In Australia we have three species of birds that are known as Megapodes or Mound Builders. The world's species numbering 13.

However, the Lowan or Mallee Fowl is by far the hardest worker of the three species with nest building commencing in early autumn and going through to the summer months. Actual incubation of the eggs being about eight weeks.

Unlike the other species of megapodes, the Mallee Fowl depends on the autumn rains to commence nest construction. If the rains do not come then possibly very few Mallee Fowls will be hatched in the summer.

Let's take a closer look at the nesting habits of this remarkable bird.

As the Lowan inhabits only Mallee country, thus it already has to face hardships because it lives in a land of adverse conditions such as very low rainfall, very little vegetable matter (for nest fermentation) and an extreme variation of temperatures.

In autumn the nest site is selected and a large hollow in the sand is formed. In the hollow is placed all the vegetable matter the bird can find, this being scraped from anywhere up to a hundred yards away.

The next step is the bird now waits for the rains that might come. If the rains are sufficient the sand is raked over the leaf mound

and the bird keeps a casual eye on the mound till the time for "working" the mound is reached — sometime in the early Spring.

The mound is then constantly turned and opened up so that the sun can start the heating and fermentation process of the vegetable matter.

By this time the sun is hot, and the birds keep an eye on whether the mound is too hot or too cool. All this temperature control is carried out with either the birds tongue or beak.

Clutches vary and cover a considerable time, with some chicks emerging from the nest chamber while new eggs are being laid.

What puzzles me is that the birds never damage the eggs or young and every day the mound is opened and-or closed.

Of course none of this work can be appreciated until the size of the bird is compared.

The Lowan or Mallee Fowl is about the size of a large domestic fowl and weighs up to 4½ lbs. in weight. The legs are very strong and the toes and claws long, and rightly so because these powerful legs and feet have to continually move a mound of heavy sand.

The two mounds I have measured were about 16 ft. in diameter and almost two feet in height. These mounds being no longer in use. However, a mound that is in "work" would be about 10 ft. - 12 ft. in diameter by about three feet in height.

All this mound control is carried out mainly by the male bird. As a matter of interest the parents birds may never see their offspring once they have emerged unaided from the two feet of sand that has covered them.

Although the other two species of Megapodes in Australia have to work hard, their lives are made easier by the fact that they inhabit country with a much more regular rainfall and temperature. Also both the Brush Turkey and Scrub Fowl inhabit the heavily-timbered regions of the east coast rainforests.

It is interesting to note the Brush Turkey was fairly plentiful in the Illawarra District of New South Wales but it's numbers have been greatly reduced by man's encroachment.

— Chris Sonter.

BITS and PIECES

WHERE WAS LAWN TENNIS FIRST PLAYED?

Nobody is quite sure where or when lawn tennis was first played, but it probably grew out of an indoor game called real or royal tennis, which was developed in Italy and France and was very popular in England in the 16th century.

There is a "real tennis" court in Hampton Court Palace, which was built by Cardinal Wolsey and later became the home of Henry VIIIth.

Another offshoot of this game was Sphairistike," which was invented by an Englishman named Major Wingfield and was played on a court shaped like an hour-glass.

Lawn tennis owes something to both these games.

The first championships were played at Wimbledon in 1875 and 11 years later the Lawn Tennis Association was founded.

Since then the game has become popular all over the world.

Margaret Court, an Australian, beat Billy Jean King to become the world's women's singles champion in 1970.

ooOoo

How many stripes has a zebra?

No one appears to have actually counted the stripes on any zebra, but it is estimated that on some species there could be as many as two hundred dark stripes.

The stripes are a form of protection, for they enable the animal to merge with its natural surroundings, and make it less easily seen by its enemies, such as the lion.

The zebra is a member of the horse family, and there are many species all of which are found in Africa. The stripes are usually dark brown or black, and the number of stripes vary according to the species; some kinds like the common, or mountain zebra of Southern Africa have wide stripes, whilst in others they are very narrow.

The ground colour of the coat varies too from almost white to cream and tawney brown.

How many spiders are there?

Spiders are found in all parts of the world. There are about 40,000 species.

Most spiders do not make webs; some catch their prey by sheer speed and others hide and catch their victims by surprise, helped by their ability to run backwards, forwards and sideways.

ooOoo

How many stars can we see at a time?

On a clear night the sky seems to contain countless millions of stars, but Patrick Moore the well known British Astronomer explains that without the aid of a telescope it is possible to see only about 2,000.

With the aid of a one-inch telescope the number seen grows to about 100,000, and a ten-inch telescope will allow one to view 100,000,000.

However, the number does not grow with increased telescopic power, as it should if the number of stars be infinite.

As far as our astronomers can judge, the univers is estimated to contain 2,000 to 3,000 million stars.

ooOoo

Has anyone ever flown around the world in a balloon?

No one has ever flown around the world in a balloon.

Unlike a powered aircraft, the movement of a balloon depends on the force and direction of the wind.

The only control that man has over a balloon is to be able to move up or down; up by throwing ballast overboard, so it carries less weight; down by releasing gas from the envelope so that the balloons lifting power is lessened.

The record distance for a balloon flight is 1,896 miles set up by a German named Berliner in 1914.

The total distance round the world is about 25,000 miles and it has never been possible to control a balloon to make such a flight.

The longest stay in the air was made in 1958, when four people in a balloon called "Small World," landed in the Atlantic after drifting for 94½ hours.

GARDENING

FLOWERS: Sow — Amaranthus, Antirrhinum, Aster, Balsam, Bedding Begonias, Coreopsis, Celosia, Dahlia, Carnation, Dianthus, Eschscholtzia, Gaillardia, Gomphrena, Marigold (African and French), Nasturtium, Phlox, Petunia, Portulaca, Salpiglossis, Salvia, Scabiosa, Sweet Pea, Zinnia.

PLANT: Antirrhinum, Aster, Carnation, Dahlia, Dianthus, Marigold, Phlox, Petunia, Salvia, Sweet William, Zinnia.

VEGETABLES: Sow — Beet, Beans (Dwarf and Climbing), 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.

PLANT: Lettuce, Potato, Tomato, Herbs.

Very dry, windy weather has continued throughout the month of October, making constant watering a "must" and outside work, very unpleasant.

Go around the garden with the secateurs and trim back, neatly, any branchlets which the blustery conditions have broken, check the ties on stakes and see that everything gets a good watering.

The Spring flush of bloom has now finished and most trees and shrubs have started into new growth again. A few new shoots have been "nipped back" by occasional frosts in the past fortnight.

Pink, red and white Hawthorns are now blooming, also Rhododendrons, Chinese Beauty Bush, Deciduous Azalaeas, Weigelas, Deutzias and Brooms.

The first of the roses are flowering. Watch these for aphids and spray if necessary. Thrips will probably be troublesome again too, with the dry season. "Rogor 40" or "Bug-Geta" will control these two pests.

This is vegetable planting time, so vegetable gardeners can really get busy! Stake tomato plants already in growth and remove side shoots until the first bunches of fruit have set.

Lawn mowers are busy again and watch — or one should say, listen. These days lawn-mowing is almost a disease! One starts and the others all catch the complaint!

GOOD GARDENING!

FIRST PRIZE OF 8 DOLLARS TO MARULAN

Rytewords No. 4 won outright by Mrs. T. Pearson. It was the only correct entry out of 66 received.

Since the inception of Rytewords four months ago, no one has won the first prize. The two-dollar monthly prize had reached the total of \$8.00. There were four entrants with one mistake:—

Each will receive \$1.00.

Miss Carmel Young, Sydney Office.
Mrs. E. Cosgrove, Marulan.
Mrs. A. J. Shepherd, Marulan.
Mr. R. Seville, Colliery.

WHAT HAPPENED TO BERRIMA?

Correct answers to Rytewords No. 4

1, Deaf; 2, Sheet; 3, Caper; 4, Thugs; 5, Fun;
6, Mangle; 7, Nosey; 8, Hushed; 9, Bills; 10, Night;
11, Sly; 12, Fall; 13, Show; 14, Glare; 15, Game.

REASONS FOR CHOICE OF WORDS

Owing to the fact that some words were inadvertently left out of the list of words used, only those that were printed have been considered as answers.

The reasons for the choice of a certain word where alternatives occurred are given below:

- One definitely needs protection against **THUGS**. Many drugs are self-administered and certain drugs used under the guidance of a qualified practitioner can be a source of healing.
- MANGLE** would be the best answer, to be caught in a tangle would mostly be an inconvenience.
- A noisy person could also be a likeable person. It would be true to say, however, that a **NOSEY** person, or "stickey beak" is usually disliked.
- HUSHED** would seem to be the best, to be pushed, in any sense, would not necessarily indicate trouble.
- BILLS** are often a cause of worry. Pills may be, at times.
- A very bad **NIGHT**, for instance a severe electric storm, can cause plane delay. Regarding sight, planes can navigate and land by the use of instruments only.
- A **SLY** person is best avoided. Regarding a shy person, just the opposite would apply.
- Many a serious injury has resulted from a **FALL**. Regarding ball, it could be a soft ball. Gall, in the sense of bitterness, alone would not have serious results.
- A good **SHOW** may win a competition, even if a shop won, it would be because of the display or show.
- A **GAME** or spirited horse, could reasonably be expected to win. If a lame horse did win, it would be because it was "game."

RESULTS OF MATCHPHRASE SAFETY COMPETITION, No. 3

- First prize \$3.00: Roger Seville, Colliery . . . "Safety Talk is not Idle Chatter."
Second prize, \$2.00: Mrs. H. J. Taylor, Bundanoon . . . "Long Life — a Life of Safety."
Third prize, \$1.00: Miss E. Knowlson . . . "It's worth a lot — to learn Safety's Worth."
Fourth prize, \$1.00: Wendy Tickner . . . "Dangerous habit — can cost you your life."
Fifth prize, \$1.00: Mrs. T. Pearson, Marulan South . . . "It's worth a lot — Safety practice results are 'Priceless'."
Sixth prize, \$1.00: Mrs. E. Cosgrove, Marulan South . . . "Long Life — not achieved using dangerous short cuts."
Seventh prize, \$1.00: Mr. V. Brimelow, Berri-ma . . . "Industry's bogey — Expensive, dangerous habits."

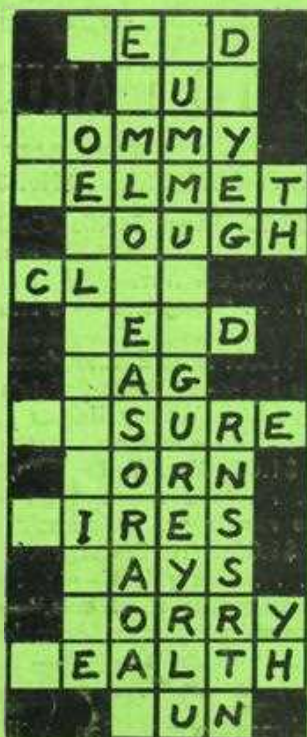
Matchphrase competition will resume again in December. This month Rytewords has been prepared in the interests of safe practices. Turn to the Back Cover and try your skill.

QUIZ

These questions are compiled from Bits and Pieces Nature Notes, and other articles published in the last six issues of this magazine.

- How many times in one minutes does a fly vibrate its wings?
A, 100; B, 1,050; C, 21,120.
- How long does it take for the light from the nearest star to reach us?
A, one month; B, 10 years; C, 4 years.
- Where is the smallest freshwater fish inexistence found?
A, Philippines; B, New Guinea; C, Germany.
- How old was Don Bradman when he scored his first century?
A, 14; B, 12; C, 11.
- What is the major cause of premature death in Australia?
A, Road Accidents; B, Heart Disease; C, Lung cancer.
- Who founded antiseptic surgery?
A, Edison; B, Curie; C, Lister.
- What Australian bird is also known as the Scissors Grinder?
A, Rain Bird; B, Pied Butcherbird; C, Magpie Goose.
- What is the oldest existing printed and bound book?
A, Caxton's "History of Troye"; B, Gutenberg Bible; C, The Book of Common Prayer.
- How many claws does a dog have on its hind feet?
A, 4; B, 3; C, 5.
- When was daylight saving first introduced?
A, 1905; B, 1916; C, 1914.

The answers will be found elsewhere in this issue.



Junior Crossword No. 5

50 CENTS EACH FOR THE FIRST THREE CORRECT
ENTRIES OPENED
CLOSING DATE — DECEMBER 1st

ACROSS—

- 1 The outer cover of a tree
- 5 Cloth used for drying
- 6 Do harm to somebody
- 7 A signal colour
- 8 Burned with hot liquid
- 9 Pet animal
- 11 These people are in revolt
- 12 To put off until later
- 13 A collar fastener

DOWN—

- 1 Make a liquid very hot
- 2 Refuse to accept
- 3 An instrument for turning over the earth
- 4 Chopped and cut wood
- 5 Light wheeled table
- 7 Feel sorry for having done wrong
- 8 Brought back from danger
- 10 Such a car is second-hand
- 11 A scrap of cloth

SAFETY RYTEWORDS

No. 5

(Copyright — J. Lewis)

CLOSING DATE — DECEMBER 1st

First prize: \$5.00; Second: \$3.00; Four prizes of \$1.00 ea.
If no correct entry is received, the first prize will go to the competitor with the least number of mistakes, and the rest will be divided.

1. A worker should always — safety regulations.
2. This at work can cause accidents.
3. Refers only to the English.
4. May prevent you from seeing "stars."
5. — play is upwise at all times.
6. Can be worth a lot of money.
7. A good — is essential when promoting safety.
8. Danger is often best indicated by a —.
9. Safety will help — your prosperity.
10. When near moving machinery — clothing should not be worn.
11. Unguarded — should be protected against.
12. Observance of safety regulations will ensure good —.
13. It is better to be safe than —.
14. Cigarette smoking endangers your —.
15. Too much — can be harmful.

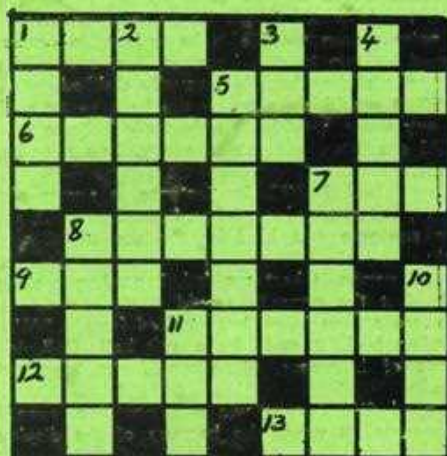
The answers will be found in the list below:
Heed, read, need, fun, pays, worry, wealth, sun, torn, fires, clan, rough, health, sorry, days, wires, worn, ensure, lead, deed, clip, club, tag, lag, bag, tough, pommy, tommy, rum, melmet, pelmet, safe, assure, insure

JUNIOR CROSSWORD No. 4 RESULT

ACROSS: 1. Paper; 5. Ant; 8. Aim; 9. Igloo; 11. Road; 12. Oval; 13. Peel; 14. On; 15. P.A.; 16. Rent; 18. Here; 19. Ate; 21. Ore; 22. Rover; 24. AU; 25. Wader; 26. Towel; 27. I.

DOWN: 1. Park; 2. Air; 3. P.M.; 4. River; 5. All; 6. No.; 7. Town; 10. Gale; 12. O.E.; 13. Pare; 14. Otter; 15. Peru; 17. Navel; 18. Head; 20. Er; 22. Raw; 23. Ode.

Only three correct entries were received. They were from: Susan Lafferty, Wendy Tickner and Douglas Firth. They will each receive 50 cents.





AUSTRALIAN PORTLAND CEMENT LTD.
and
SOUTHERN PORTLAND CEMENT LTD.
Berrima — Marulan — Medway — Sydney

NEWS

Vol. 1 — No. 7
DECEMBER, 1971



SANTA CLAUS ARRIVES

A.P.C.L. and S.P.C. News

DECEMBER, 1971

Vol. 1 — No. 7

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BERRIMA . . .

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

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E. Cooper.

COLLIERY . . .

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

From the General Manager, N.S.W. Operations

As you are aware, during the year the cement manufacturing and distributing facilities of Southern Portland Cement Limited were merged with those of Australian Portland Cement Limited, which has been of material assistance to the Berrima plant due to the additional technical expertise available. In turn the A.P.C.L. marketing team has been able to achieve economies in distribution due to the greater volume of cement available which has, in conjunction with works rationalisation, resulted in cost benefits which would not have been realised had "Southern" or A.P.C.L. stayed on its own.

With regard to safety, the Kandos area is well behind Berrima and Marulan in performance, however, steps are being taken to introduce a more safety conscious attitude at Kandos.

On behalf of the company, I would like to thank all employees for their good effort during the year and wish them and their families all the best for Christmas and the New Year.

MR. J. F. McNICOL,



From the Works Manager, Berrima

I am pleased to take this opportunity to convey to all employees and their families my very best wishes for the coming festive season. May your Christmas be merry and the New Year healthy and prosperous. The year that is fast drawing to a close has been busy from the point of view of production, maintenance and construction, and my thanks go to all for their good work throughout the year. The safety effort is particularly commendable with one-million man hours recorded in October and every indication of the year being completed without lost time injury.

MR. F. L. VEAL.



From the Executive Officer

We have seen some major changes in our Company since last Christmas and the Berrima plant is now part of a large cement manufacturing group. The "Southern" operations at Marulan South and the Colliery remain unaltered and we look forward to a continued development at these centres to supply the raw materials to our new "customer" at Berrima.

I would like to express my appreciation to all Southern employees for their good efforts during the year and to wish them and their families a happy Christmas for 1971.

MR. K. C. HOWARD

EDITORIAL

THE CHRISTMAS SPIRIT

I realise that various readers may put different interpretations on the word "spirit." The meaning I have in mind has nothing to do with drinks or ghosts.

The desire to bring happiness to others through gifts and various acts of thoughtfulness seems to be almost universal at this time of the year. The spirit of Christmas is the spirit of giving.

This same spirit is manifest in selfless men and women throughout the world and throughout the year. It is, perhaps seen at its best in the mother who sacrifices for her family, giving and expecting nothing in return; or the man or woman who puts aside self in order to serve others.

Great names in history such as Florence Nightingale, John Flynn, Caroline Chisholm and many others are forever remembered because of their deeds of selfless devotion to humanity.

The same spirit activates and backs the appeals on behalf of the less fortunate. It stimulates enterprises such as the Smith Family. It motivates the man who leaves a warm fireside or his favourite TV show, to go out at night for the furtherance of some worthwhile cause.

This is giving, the giving of self and time and means, with no thought of return. Many people do not seem to understand this kind of giving.

They will often ask "What are you going to get out of it?" What does a "giver" get out of it? Very often he gets a lot of blame, and complaints, but he gets something else too — contentment and satisfaction.

This is the spirit that stems from the first Christmas.

HEARD ON THE GRAPEVINE

Berrima

Barbara Brooks, daughter of Bill Brooks, Powerhouse, Berrima, has gained further successes in her nursing examinations. She recently took two courses in Wollongong, receiving the highest marks for general nursing among the Bowral girls, and coming third in the whole school. Barbara is a second year nurse. Congratulations on your continued successes, Barbara.

ooOoo

Eunie Daley, cleaner, Machine Shop, spent a short time in the Community Hospital, Moss Vale, he is now home, we wish him a full and speedy recovery.

The electricians went on a fishing trip on Sunday, 21st November, to Burrinjuck Dam, near Yass. The best bag was a 4 lb. Rainbow Trout by S. Sutton. M. Berry came next with a 4 lb. brown trout. Six others caught fish over 2 lb. in weight. Altogether there was a total bag of 30 fish. Congratulations lads.

ooOoo

On Thursday, December 2nd, Mr. John Symons of the Smith Family, came to make the annual collection at the Berrima Works. He had with him two high school students who were giving of their time to help in the good work, they were, Ross Loughlin and Ken Emery. We missed Mr. Bill Cross, who had led the collections for many years, and we were grieved to hear that he had died from a heart attack soon after his visit to us last year.

The Smith Family are always very grateful for the help received from A.P.C.L., Berrima, and say a big THANK YOU to all.

Alec Donaldson is on sick leave following a leg operation, we hope he will soon be on his feet again.

ooOoo

Brian Betts, Boilermaker, Berrima, is the proud father of a son, born to his wife, on Sunday, December 5. Congratulations.

ooOoo

Colliery

Noel Hudd won the minor singles championship at Bowral Bowling Club on November 28th, beating Alec McGinnes 31-16. This championship was also won by the Colliery last year.

ooOoo

Brian Townsend, recently on annual leave, spent the first week of his holiday on a Halvorsen cruiser on the Hawkesbury with his family. Afterwards they went up the north coast. Brian has been appointed secretary of Moss Vale Rugby League Football Club.

ooOoo

Allyson, daughter of Jack Hebblewhite, was married on the 11th December to Mr Terry van Akker of Warilla. The wedding took place at St. John's Church, Moss Vale. They plan to make thier home in Kiama. We all wish them every happiness. Allyson worked five years as a Nurses' Aide at the Bowral District Hospital

Sydney Office

Miss Lorraine Lucas of the Sydney Office staff has been appointed as our "News" representative. We hope to have news from her for publication in our January issue.

Marulan

John Plonski spent some time in hospital with a broken leg from a motor cycle accident.

ooOoo

Best wishes to Mr. and Mrs. Don McCallum who were married on November 13th. Don is a Fitter and Turner, and son of Mr. and Mrs. Bill McCallum. His wife was formerly Anne Feltham, daughter of Mr. and Mrs. Feltham of Marulan. The young couple spent their honeymoon touring northern N.S.W. and Queensland, as far as Brisbane. They will live in Marulan. Don will continue with A.P.C.

ooOoo

Ian Cluney, son of Mr. and Mrs. Cec Cluney was married in Brisbane on December 4th.

Lorraine, daughter of Lena and Trevor Pearson, has passed her final nursing exam. We all extend our congratulations.

ooOoo

Marulan South was successful in winning the P.S.A.A.A. inter-town sports, held at Marulan South Oval. Trevor Chaplin and Robyn Cosgrove, were senior boy and senior girl champions. Donna Weston was junior girls champion.

ooOoo

Don McCallum, fitter and turner, and Peter Galloway, electrical apprentice, have received call up for National Service and expect to be going for their "medicals" early in the new year.

ooOoo

MARULAN BOWLS

Bill McCallum apologises for a mistake regarding the singles handicap. Mr. Allan Turner, Marulan, Public School headmaster, was the winner, and not Mr. Stan Lovell, as previously stated.

Mr. Alan Turner is also holder of the club singles championship. Stan Lovell has now been elected bowls secretary of Marulan South and District Bowling Club Ltd.

ooOoo

Although the winds have continued to blow, bowlers have still been fairly active.

On Sunday, 14th November, President Les Cooper took Stan Lovell, Tony Cosgrove and Ashley Cooper to Bowral for president's day activities.

Bill McCallum, vice-president, took a team to Bundanoon Legacy Day.

The rest of the team were Tom Sharkey and John Hansen. They ended up, winning the Day, although matched against sixteen teams from various centres, including Sydney.

ooOoo

On Sunday, 21st, Bill McCallum was still in a winning mood. He and Mrs. Burrell (Goulburn) took the mixed pairs trophy.

In the afternoon, Les Coper challenged Bill for Mr. Alan Turner's Cock of the Walk badge over 10 ends of singles. Bill won the badge 12-4.

ooOoo

Marulan South greens are in excellent condition, thanks to Tony Cosgrove's untiring efforts. On Sunday, 28th November, a special presentation was made by bowlers and members of the club, in appreciation of his work.

EMPLOYEES' ENTERTAINMENT FUND ANNUAL PICNIC

It was a glorious day in the sun for all.

Very gratifying for those who had worked and planned throughout the year. The programme ran smoothly and the day was a huge success.

Mr F. L. Veal represented the Company, and presented the General Managers Trophy to Mr Keith Delderfield, who received it on behalf of the winners, the Marulan Maintenance Section.

The children were thrilled when Santa Claus arrived again on time by tractor, and laden with sweets.

All the presents for the children were well chosen and of high quality, as usual. Apart from the weather, this enjoyable occasion would not have been possible without the whole hearted co-operation of the committee.

So sincere thanks go to Mr. W. Strang, President. Mr. Don Moore, Vice-president, Mr. Kevin Moore, Treasurer, and Mr. Owen Fairbairn, Secretary, and all who assisted in any way. Especially, should we remember those who helped with the refreshments. Among the latter were Bill Hoffman, Joe Bizjak and his wife, Mrs. Brookes, Mr. Jack Douglas, and Mrs. Ellis, Mr. T. Lymberry and Mick Whalan, served the cold drinks and ice cream during the whole of the day.

It was estimated that well over 600 were present. There were 385 presents provided. The seven-year old girls were disappointed when it was announced that their case of presents had been lost from the truck. However, Robert Kerr's brother-in-law found them by the roadside on the way to Mittagong. Bob Kerr, a former employee of S.P.C., guessed they were for the picnic and brought them along in time to be distributed. So, as the old saying goes, "All's well that ends well!"

The president, Bill Strong had a special word of commendation for Kevin Moore, who put in many long hours of preparation for the event.

Sports Results

2 and under 3 years: Boys, Damien Strode 1, J. McCallum 2; Girls, A. Packett 1, Susan Bell 2.

3 and under 4 years: Boys, C. Kopeck 1, C. Moore 2; Girls, Sandra Bell 1, C. Bunt 2.

4 and under 5 years: Boys, Stephen Weeks 1, Malcolm Craig 2; Girls, Anne Shepherd 1, Teresa Moore 2.

5 and under 7 years: Boys, John Izzard 1, Wayne May 2; Girls, Tracey Weeks 1, Debbie Weekes 2.

7 and under 9 years: Boys, Darren Tickner 1, Ross Cosgrove 2; Girls, Lesley Gutzke 1, Sally Cooper 2.

9 and under 11 years: Boys, Phillip Cosgrove 1, Michael Weeks 2; Girls, Margaret Cosgrove 1, Debbie Hutchings 2.

11 and under 13 years: Boys, Mark Lucas 1, Gregory Magnus 2; Girls, Robyn Cosgrove 1, Gail Marsden 2.

13 and under 15 years: Boys, Peter Graham 1, Robert Gutzke 2; Girls, Janette Delderfield 1, Kim Garbutt 2.

Boys' wheelbarrow, 10 and under 12 years: John Bizjak, Phillip Acton 1, Stan Acton, Mark Packett 2.

Boys' wheelbarrow, 12 and under 15 years: David Murray, Mark Lucas 1; Paul Barcicki, Andrew Acton 2.

Three-legged race, under 10: Boys, John Saker, Stephen Acton; Girls, Yvette Marsden, Margaret Cosgrove.

Three-legged race, 10 and under 12 years: Gail Marsden, Debra Potter; Debbie Williams, Yvonne Adams.

Three-legged race, 12 and under 15 years: Boys, Peter Saker, Gary Chalker; Girls, Janette Delderfield, Robyn Cosgrove.

Obstacle races: Stan Acton, Ian Rowley, P. Acton, Ian Gutzke.

Flat race, over 40: L. Veal, A. Cooper, D. Moore.

Flat race, 26-39: K. Delderfield, L. Wilson, N. Lancaster.

Flat race, under 25: R. McAndrew, Berrima Machine Shop; P. Knowles, Marulan Maintenance; S. Murphy, Marulan Plant.

Relay race: W. Mays' team, Marulan; N. Lancaster's team, A.P.C.; J. Kopeck, team, Marulan Plant.

Tug-o-war: Marulan Plant (T. Bell, D. Bryant, R. Bryant, C. Shepherd); Berrima Machine Shop; Marulan Production.

440 yards open: Ian Gutzke, W. May.

Women's 50-yard open: Mrs. Natoli, Mrs. Hicks.

Golf: Nearest pin, Mrs. W. Hutchings, Mr. V. Avent.

General Manager's Trophy won by Marulan Maintenance, 10 points; Berrima Office, 8 points, 2; Marulan Plant, 7 points; Berrima Machine Shop, 6 points.

Raffle: Dressed pig, T. Mott, Moss Vale, 1; Christmas Cake: G. Souter, A.P.C., 2; One dozen refreshments, D. Staples, Berrima, 3.

Many thanks to Beverley Warner for her help in copying out the above results in very clear handwriting, ready for typing.









Miss Lorraine Lucas of Sydney Office, where she is a receptionist, is our latest "News" Representative.

investigate the mysteries of the Raw Mills. Left to right: Mrs. K. Frances, Mrs. L. Godfrey, Mrs. P. Lloyd, Miss M. Pedersen.



Mr. D. D. Berry Moves on

After fifteen-and-a-half years with S.P.C., and A.P.C.L., "Peter" Berry, as he is known to all friends, has decided to go into business in Queensland.

He left the company on November 12th. It was Friday at 5.00 p.m. when the General Office closed for the day, and members of the staff gathered to say goodbye. Mr. Berry was presented with a gold watch from the staff, Mr. L. Veal officiated.

A farewell party was later held at Moss Vale R.S.L. Club.

At this function, another presentation was made by Mr. B. Madden, a silver tray and crystal glasses, from employees and other friends.

Peter originally came from South Australia. Before the war, he worked as an accounts clerk in Sydney. He then joined the R.A.A.F. and served in the armed forces for three years, spending most of the time in the Philippines and New Guinea. After the war he became an Income Tax Assessor, commuting between Springwood in the Blue Mountains and Sydney.

Next came the move to Bundanoon, where Peter ran a riding school, with 22 horses.

In 1956, he started with S.P.C. in the General Office, working over a period of four years in almost every department, some of this experience coming mainly in relief work for Tom Bourne, the then Paymaster and Marc Jones, cement sales.

Mr. Berry then became Works Accountant, and served in this capacity until the merger with A.P.C.L., when he became Superintendent of the E.D.P. Department.

During the absence of Mr. J. C. Scott, Works Secretary, in Western Australian, Mr. Berry also filled this position for about one year.

In addition to his company work, Mr. Berry was greatly interested in the Credit Union from shortly after its inception, until about one year ago.

Peter will be greatly missed in and around the offices and plant.

We all wish him success and satisfaction in his new venture.

FISHY TALES

Well, the only comment I can make on this year's fishing is — poor! Both inside and outside.

Unfortunately our Annual fishing competition had to be cancelled due to most intending participants working. However, as I had procured some bait — about midday I decided to give it a go. However, the afternoon was spoiled by a very nasty wind and the ocean side of the island had no depth at all. So I don't think we missed much.

I landed two bream and two flathead, all under legal size. It may have been the luck of a few triers to land a few flathead in the canal. I tried at Narooma the previous weekend with no luck.

Graham Beveridge and party fished the Nowra area recently for two mackerel and three small flathead.

Alan Betts and party did a little better at Burrinjuck with some nice trout to 4½ lbs.

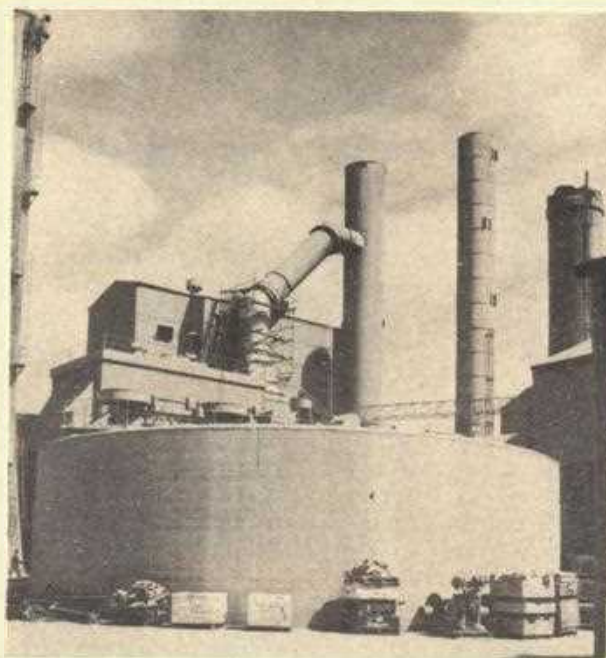
The easiest catch must go to one of our shunters who caught a ¾ lb. carp with his hands in one of the creeks near our railway line. It might be a good idea to visit the works office pond with a net.

NOTICE SAFETY BONUS ITEMS

As from Monday, 13th December, 1971, Safety Bonus items may be obtained from the store at the following times only:

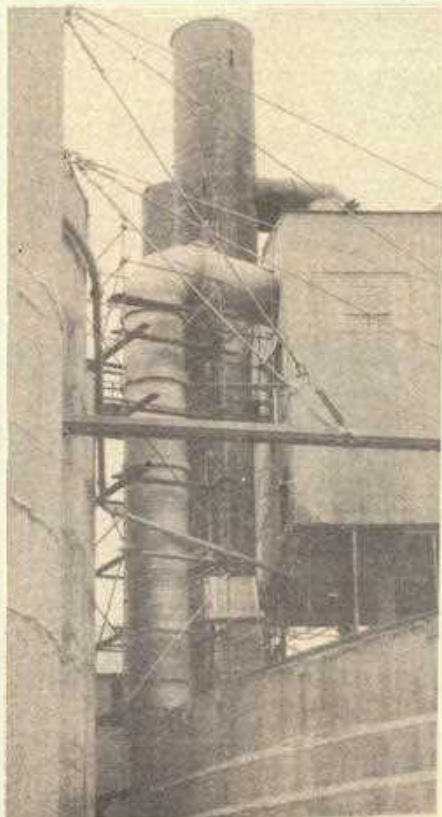
MONDAY TO FRIDAY—
8.00 a.m. to 9.00 a.m.
3.00 p.m. to 4.00 p.m.

L. LANSDOWN,
Work Secretary.



ABOVE AND BOTTOM LEFT: Duct Work from new No. 4 Kiln I.D. (induced draught) Fan going into old No. 3 Stack. Gases from No. 2 and No. 4 kilns will be mixed in the chamber inside this stack before going into the electrostatic precipitator, top left.

Ron McKeown and Bob Nolte inspecting the fuel oil heating and circulating system.



No.2 Kiln Recomissioned

(by Ian Mackey, Senior Design
draughtsman, APC Berrima)

No. 2 Cement Kiln, at A.P.C.L., Berrima, has been commissioned at an authorised expenditure of \$420,000.

A major overhaul and modernisation program has brought the Kiln up to acceptable modern standards of operation.

This has included anti-friction bearings, machined trunnion rollers and bearings and repairs to the Kiln and Cooler Shells.

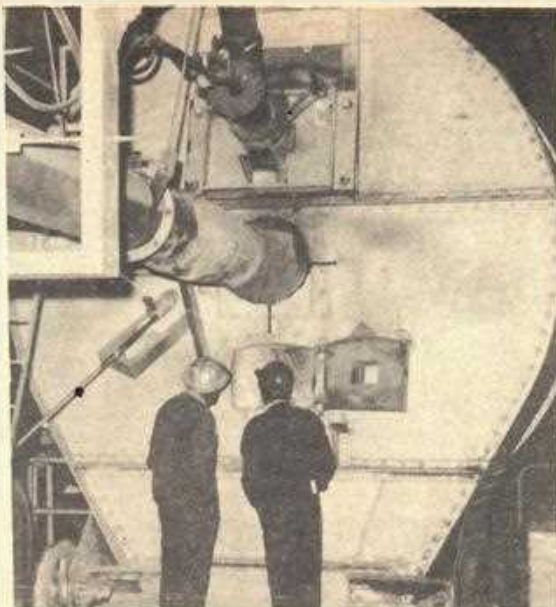
Some of the modernisation features are as follows:—

Cooler — A refractory lining which was placed in position by pneumatic gunning. Stainless steel lifter plates which are expected to give greatly increased life over previous types.

Oil Firing — A supplementary oil firing system has been incorporated to assist the existing coal firing. The burner is imported from the U.S.A. and has a heat output of 23,000,000 BTU's per hour. (This is equivalent to 460 domestic oil burners). The oil is pumped from the existing pozzolan dryer, and is stream traced, to maintain a suitable temperature for the oil to flow. The oil is also atomised by the steam.

Kiln — A lining of gunned refractory has been installed in the back end of the kiln, also a chain heat recuperation system, using 432 chains, each being 13'0" long.

Gas Handling System — Extensive modification has been incorporated into this system. Gases from No. 2 Kiln are mixed with gases from No. 4 Kiln they are then progressed to the existing Electrostatic Precipitator where the dust is extracted from them before exhausting to the atmosphere through No. 4 Stack.



Precipitator Modification — The existing Electrostatic Precipitator has undergone considerable modification with the removal of the existing rack scrapers and the substitution of twin 18" diameter ribbon flight screw conveyors. The existing concrete precipitator floor was removed and steel hoppers were installed.

Dust Return — The dust from the Precipitator is metered into a mixing chamber where a proportionate quantity of water is added to form a suitable slurry for pumping back into No. 2 Kiln.

Slurry Feed — The slurry feed system is handled by an F. L. Smith ferris wheel feeder. The feeder is remotely controlled from the Kiln floor.

Instruments — The Kiln is controlled by extensive use of instrumentation, including oxygen analysing equipment, automatic damper control, and automatic pressure control on Precipitator.

The Kiln is driven by an 85 hp ACEA DC motor, which can be varied from 0 to 100 per cent speed.

A multi-point recorder will record the following: Kiln speed, coal speed, slurry speed, drying zone temperature, back end temperature, Kiln gas flow and back end pressure.



Chris
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families having their "reveillon." Christmas day is spent quietly with the giving of presents by parents to their children.

MEXICO: Christmas Day itself is a quiet affair being a kind of rest day after all the festivities that had begun ten days earlier. Like all of us the Mexicans enjoy parties and the highlights of the Christmas period include fireworks displays and the breaking of the pinta. This is a gaily decorated jar that hangs from the ceiling. One of the children is given a stick with which to break the jar and thus release a shower of candy and presents.

However, no gifts are exchanged until the twelfth day after Christmas, recalling the arrival of the three kings bearing their presents for the Infant Jesus.

ITALY: On Christmas Eve, children recite poems in front of a manger scene and later the family gather round a large tub, or bowl, called the Urn of Fate. It is filled with packages and everyone present takes turn to dip into the urn. The fun of it is that not all the packages contain a gift, but eventually everybody gets one for those who draw an empty package await their turn for another "lucky dip" until successful.

David Perry, of the Drawing Office. Dot, his wife, formerly of the General Office, gave birth to a baby boy, Ronald David, in October. We extend our congratulations.

Decorations in the houses are usually flowers instead of the evergreens seen in many other European countries. Some of the families use an olive tree on which to hang oranges.

HOLLAND. Whilst children in other parts of the world celebrate Christmas Day on December 25th, those in Holland hold their festivities on the eve of St. Nicholas, the 5th of December. By tradition, St. Nicholas, has an assistant, Black Peter, and together they call on the families and talk to the children. Then Black Peter opens the sack he carries and hands out presents. Just as the children in Australia and elsewhere hang up their stockings before going to bed, Dutch children place their wooden shoes on the hearth. According to legend, during the night St. Nicholas rides through the air on a white horse and fills their shoes with gifts. This Dutch Santa Claus, or Sinterklaas — seems to have his origin in Nicholas, bishop of Myra in Asian Minor, in the fourth century. But how Black Peter comes into the picture, no one seems to know.

The Birth of the Credit Union

It seemed to me, that the story of the beginnings of the Credit Union movement, would fit very well into a Christmas edition of our works magazine.

Roy F. Gergengren, one of the founders of the modern-day credit union movement, wrote these words. "The real job of the credit union is to prove, in modest measure, the practicality of the brotherhood of man."

Around the middle of last century in Germany, many small farmers were facing ruin. Because of debt, unscrupulous money lenders were gradually taking all that farmers owned. Frederick William Raiffeisen, mayor of a small town during this time of famine, was concerned at the serious plight of the struggling farmers. His first thought was to appeal to the wealthier citizens, this he did, with some response, but the help he received was inadequate to cope with the desperate situation.

Then a new idea was born in the mind of Raiffeisen, perhaps this problem of poverty could be overcome by the pooling of resources, however small the savings might be, with many taking part it could amount to a substantial sum.

So the credit union idea was born, savings were pooled and loaned to each other at a low rate of interest.

From this time Raiffeisen dedicated his life to the establishment of credit societies in his native land. His humanitarian ideals and experiences have been, and still are, the guide posts for those who followed in credit union work.

In 1883, although he was gradually losing eyesight, Raiffeisen was still fighting to establish credit unions.

A letter written for him by his daughter and signed by the nearly blind mayor, illustrate his determination. The letter mentions how the still infant credit societies are being attacked, and urges his correspondent to give all the help he can in the forming of a new credit union.

From its beginning, the credit union movement has stressed service to humanity in the economic field. In 1953 when the Credit Union National Association met, in Atlantic City, New Jersey, U.S.A., The theme of the gathering was taken from the prayer of St. Francis.

The prayer was read at the meeting by Thomas W. Doig, the second managing director of Cuna, Cuna Mutual and Cuna supply Co-operative and has since become widely recognised as the official prayer of the Credit Union movement.

To quote again the words of Roy Bergengren, "The real job of the credit union is to prove in modest measure, the practicality of the brotherhood of man." And isn't that just what the Christmas season does too.

The same thoughts are expressed in the prayer of St. Francis, that has been adopted by the credit union movement.

The prayer is as follows:

Lord, make me an instrument of Thy peace,
Where there is hatred, let me sow love;
Where there is injury, pardon;
Where there is doubt, faith;
Where there is despair, hope;
Where there is darkness, light;
and where there is sadness, joy.
O Divine Master, grant that I may not
So much seek to be consoled, as to console
To be understood, as to understand;
To be loved, as to love;
For it is in giving that we receive,
It is in pardoning that we are pardoned;
And it is in dying that we are born to eternal life.

The best time for parents to put the children to bed, is while they still have the strength.

ooOoo

Women like quiet men because they erroneously believe that they are listening.

ooOoo

Be pleasant until ten o'clock in the morning, and the rest of the day will take care of itself.

An Unusual Quotation Concerning Christmas

"Whosoever shall be found observing any such day as Christmas or the like, either by forbearing labour, feasting, or any other way, as a festival, shall be fined five shillings."

—Massachusetts Bay Colony
General Court.

JUNIOR PAGE

THE CHRISTMAS STORY

"It's strange . . ." The other shepherds sitting near looked at the speaker, who was leaning on his crook and staring into the distance.

Barty, new to the job, looked in the same direction as Simon, a shepherd who was an old-timer. "What's strange?" "I can't see anything."

"It's just that I cannot help thinking about one of the prophecies in the sacred scrolls, you know how sometimes the same thing goes over and over in your mind." Simon replied.

"What prophecy is that?" spoke up Joshua, who was known to have a good knowledge of the prophetic writings.

"It comes in the inspired words of the prophet Micah," went on Simon, "About the Messiah coming from Bethlehem, and Bethlehem's just over there."

"My uncle lives there," spoke up Marty again, "But what do you mean exactly by a prophecy?"

"Prophecies are words that were given to the Prophets by God — and they were written down, you see God alone knows what is going to happen in the future, and he wanted to be sure that we would understand the things that came to pass," the speaker was Joshua again.

Elias who had been listening carefully, broke in.

"But the prophecy you speak of mentions a ruler, not the Messiah." "Yes, that is true," said Simon, "But it also says that this ruler has lived from the days of eternity, that means — just like God, it must mean the Messiah."

As the shepherds continued their conversation another drama was taking place a few miles away.

"I'm sorry, I have no room, when I have, nobody seems to want it."

The speaker was a little dark man, the innkeeper in Bethlehem. He stood in the doorway, lantern in hand. Before him stood a tall handsome man and standing patiently at his shoulder a donkey, on which sat a woman. She was finely featured, but pale, evidently in pain.

The tall man spoke.

"Please, cannot you find us some place to stay, we have travelled from Nazareth in Galilee, and my wife will soon give birth to a child, what about the outbuildings?"

The innkeeper thought for a moment, he knew that the town was full to overflowing because of the census. "There's part of one of the stables, we'll have it cleaned up a bit and put in some fresh straw, come on, I'll show you."

Joseph and Mary sighed with relief.

"I'm sure God will bless you for this," murmured Joseph.

Away out on the hills, it was a beautiful silent night, broken only by an occasional Baa-aa, and the low voices of the shepherds. They lapsed into silence.

"Look, a light, a light in the sky! What is it? There was fear in young Marty's voice.

They were all looking now, the light was growing brighter and brighter, they were awe-stricken. Then, in the brightness, they could make out a form, and they heard a voice, loud, clear, musical. "Fear not, for I bring you good tidings of great joy, which shall be to all people. For unto you, is born this day in the city of David, a Saviour, which is Christ the Lord, and you shall find the baby wrapped in swaddling clothes and lying in a manger.

Then a host of angels appeared, and a great swelling chorus sang "Glory to God in the highest, and on earth peace, good will toward men."

The great light began to fade, and soon the shepherds, and the sheep were enveloped in darkness.

There was no sound.

Simon whispered.

"An angel spoke to us, they must have been angels singing, how strange," his voice faded.

"It must be that prophecy fulfilled," Elias broke in.

"Come on let's go and see this for ourselves, remember, what the angel said? We will find him in a manger, in a stable."

Joshua jumped to his feet.

They were on their way, excitedly chattering now.

"How shall we find where he is?" Marty wondered.

"Let's ask at the inn," said Simon, somehow he felt sure they would find the new born baby there, and they did.

The History of Cement

(PART II)

In our first article, published last month, we covered a little of early building methods, and the first use of mortar in ancient Egypt.

Regarding the early practice of blocks of stone standing one upon another, since my last article, I was interested to read of excavations on the Temple of Herod in Jerusalem. Some of the original foundation blocks have been uncovered, and the weight estimated at about 100 tons each!

Some of the blocks measure 30' x 3' x 5'. Each stone is so precisely positioned that no mortar was used. The carving was so accurate that not even a thin knife blade could be wedged between adjacent stones.

Many of the joints remain in exactly the same position in which they were placed nearly 2000 years ago!

We mentioned how the first cementing material used by the early Egyptians on the Great Pyramid, and other structures, was obtained by burning gypsum and mixing the resultant material with sand.

Limestone was more abundant than gypsum, but it is thought that shortage of fuel could be the reason why it was not used.

Lime requiring a much higher temperature for its calcination.

Although the Egyptians did not at first use limestone. The Greeks evidently did, and it is thought that they, possibly got the idea from the Persians.

The Romans must have borrowed this use of limestone from the Greeks. Both the Greeks and Romans were aware that certain volcanic deposits, if finely ground and mixed with lime and sand produced a mortar of superior strength, which also resisted the action of fresh and salt water.

The Greeks employed for this purpose a volcanic tuff (volcanic fragmentary rock) from the island of Thera (now called Santorin)—"Santorin Earth" as it was called still enjoys a high reputation.

The Romans at first used a volcanic rock from Pozzuoli, a small town a few miles west of Naples, and near Mt. Vesuvius. This material was called Pozzolana, or pozzolan cement.

Cement was employed in some way in practically all of the famous Roman structures, although its use was to some extent limited at the time these were erected. This was the cause of the lack of knowledge as to how the concrete made from the cement, could be reinforced, to give it strength against pulls, or tension.

Like stone, concrete will resist strong pressure tending to crush, but it needs the help of steel reinforcing bars to make it strong in resisting efforts to pull it apart.

Nevertheless, this ancient concrete work, even after centuries of exposure to the ravages of weather and time, has remained practically undamaged.

The Romans made their concrete in very much the same way as we make ours today. The finely powdered lime and volcanic ash was mixed with water, sand and pieces of broken stone. The mixture was placed between wooden forms. We know this because imprints of these wooden forms, and in some cases, even the grain of the wood, is plainly visible.

In the Roman Forum group of structures, nearly all were placed on concrete foundations often they were twelve feet thick. The walls of the palace of Augustus, from which towering masonry projects rise to a height of 24 feet.

The Arch of Titus rests on a single concrete block 45 feet long, 20 feet wide and 12 feet deep.

The early Christian churches of Rome also have concrete walls.

The art of hydraulic cement making (cement that hardens under water) was lost during the dark ages.

Saxon and Norman buildings show evidence of badly mixed mortars, and imperfectly burnt lime. From the examination of French buildings of the ninth, tenth and eleventh centuries, it is very clear that the art of burning lime was almost lost. The lime being used in badly burned lumps.

From the 12th century the quality began to improve again.

In England Kendal Castle and Corfe Castle are examples of Castles with concrete walls. From the structure of the Saxon Corfe Castle Smeaton got the idea of using concrete in Engineering works.

(To be continued)

GARDENING

DECEMBER

FLOWERS: Sow — Amaranthus,, Aster, Balsam, Celosia, Cineraria, Coreopsis, Gomphrena, Hollyhock, Stock, Sweet Pea, Pansy, Portulaca, Primula, Verbena, Viola, Viscaria, Wallflower, Zinnia. Plant — Ageratum, Amaranthus, Anthirrhinum, Aster, Carnation, Dahlia (Bedding), Dianthus, Lobelia, Marigold, Petunia, Portulaca, Salvia, Verbena, Zinnia.

VEGETABLES: Sow — Beetroot, Beans, Silver Beet, Broccoli, Brussels Sprouts, Cabbage, Carrot, Cauliflower, Cress, Kohl Rabi, Lettuce, Mustard, Parsnip, Peas, Radish, Salsify, Sweet Corn, Swede Turnip, White Turnip. Plant — Silver Beet, Cabbage, Cauliflower, Eschalot, Lettuce, Tomato, Majoram, Sage and Thyme.

November has been a windy month with over three inches of rain, slightly wamer weather, cold nights and a few frosts. Growth has been good. If you haven't already done so, change to evening watering of the garden now, and with daylight saving, this should be easier to manage.

Make sure that all weeds are dug out and destroyed, so that they will not seed and regrow over the holiday period. Finish planting summer-flowering annuals this month, so that a colourful display is assured for the hotter months, carrying through to the Autumn, when Dahlias and Chrysanthemums are at their best.

Mulch garden beds well to conserve moisture and remember to water plants in pot and tubs regularly to keep the soil moist. Plant Gladiolus corms this month for Autumn flowers.

Bait for slugs and snails. These are very busy at present. Watch out for caterpillars on the Cypress hedge and spray with "Bug-Geta."

Earwigs are in plague proportions in many gardens now. These pests feed at night and will soon eat up any seedlings they fancy. Spray with "Bug-master 80" for control. This can also be used for spraying places where they shelter during the daytime.

HAPPY HOLIDAYS AND A VERY MERRY CHRISTMAS TO ALL!

Nature Notes

(By CHRIS SONTER)

A few weeks ago, my wife and I had the pleasure of accompanying some members of a Goulburn Field Naturalists Society on an excursion to Currarong on the South Coast.

What an enjoyable trip this proved to be, as many things of interest were revealed to us.

This is the advantage of joining in with a group of this nature as most of the members are fairly well informed on the subject which they have chosen.

The first stop was a couple of miles on the Nowra side of the township where we

were shown some excellent examples of fossilized plant life in the flat submerged rock on the edge of the surf.

A couple of hours were spent searching the rock pools for any aquatic life. I, for one, did not realise the tremendous amount of life that is contained in a tidal rock pool, for example 3ft. x 3ft.

There were various colour forms of the common star-fish and we identified a couple of aquatic animals as brittle-stars. Should a brittle-star be handled it will break, but do not worry as the broken off piece will send out or grow a set of legs and become yet another totally independent creature.

At least a half dozen of the sea-weeds, fungi and algae were seen, and a close

study of how a sea-urchin "walks" about was also pointed out.

Each pool contained a wide variety of molluscs or shellfish and one of the shells that was taken out of the water for closer examination contained a creature known as a hermit crab — a crab that has no protection of a hard skin on its hind quarters, thus it seeks out protection in an abandoned whelk or sand snail shell.

On the underside of a rock we could see a form of sponge, a couple of sea anemones, a small piece of cunjevoi and a patch of almost iridescent green algae. It also showed to us the necessity of re-placing rocks in their original position, otherwise the ecology of the rock pool may be permanently disrupted.

One of the best finds was that by a keen eyed young girl member when she found a beautiful specimen of a sea-slug.

These creatures are also known as sea-cows and sea-mares, because of their browsing habits. Only when you know what you are looking for will you find such a creature as they are remarkably well camouflaged to suit their environment.

Their movements are slow and typical of the common slug and they are generally secretive in their habits.

So you can see by this very brief example what a simple ordinary rock pool can contain, and yet I wonder just how many of us have really bothered to give a rock pool a thorough search.

It was just as well we spent a good portion of time at the water's edge because the remainder of our expedition ended in complete disaster.

The original plan was to walk around a certain beach flat, then up a rocky headland and back to the starting point via a large stretch of heathland, where an abundance of wildflowers was to be seen.

However, the whole region was completely destroyed by a bushfire about 10 days prior to our visit.

Nevertheless quite a pleasant time was spent wandering through some small pockets of bushland that contained a considerable number of flannel flowers and pink boronia. Some small patches of heath were also inspected.

The Goulburn members then returned via the Sassafras Mountain where they were intending to investigate a certain ridge where a regular growth of wild flowers can be found.

JUNIOR COMPETITIONS

Six prizes of 50c each

UNDER 9 YEARS: Write 50 or 60 words on "What I liked best at the Picnic."

OVER 9 YEARS: Write about the Picnic in about 200 words.

Write your name and age at the top of the paper. Send it to the Editor to arrive not later than 4th January.

SUGGESTIONS COMMITTEE

The Suggestions Committee met on 26th September, and reached the following decisions in relation to suggestions received.

MARULAN:

Suggestion No. 83A, C. J. Shepard, C.N. 285, accepted, award \$8.00; 119, R. Eirth, C.N. 342, rejected; 120, C. Glacken C.N. 301, accepted, award \$6.00; 121, S. Bell, C.N. 56, accepted, interim award, \$8.00; 122, G. Thompson, C.N. 22, rejected; 123, S. Bell, C.N. 56, rejected; 124, M. Watts, C.N. 58, rejected; 125, N. Lucre, C.N. 38, evaluation; 126, T. S. Bell, C.N. 50, accepted, award \$8.00; 127, M. Watts, C.N. 58, rejected; 128, W. McCallum, C.N. 284, rejected; 129, R. Bryant, C.N. 30, interim award, \$25.00; 130, A. Johnston, C.N. 124, rejected.

BERRIMA:

Suggestion No. 432, J. Pope C.N. 417, accepted, \$15.00; 449, E. Fraser, Staff, rejected; 441, A. Duckbury, C.N., 108, award, \$6.00; 443, A. Hare, C.N. 207, rejected; 442, K. Powers, C.N. 412, award, \$6.00; 444, C. Maule, C.N. 214, rejected; 445, G. Knapman, referred for further investigation; 446, W. South, C.N. 365, rejected; 447, R. Taylor, Staff, rejected; 448, A. Natoli, C.N. 288, rejected; 450, T. Wadi, C.N. 43, referred for further investigation.

G. ANDERSON, Secretary, Suggestions Committee.

Junior Crossword

The following competitors submitted correct entries and have been awarded prizes:—

GREG SHEPHERD, Marulan.

GRAHAME DICKSON, New Berrima.

DOUGLAS EIRTH, Marulan.

WENDY TICKNER, Moss Vale.

GRAHAM COSGROVE, Marulan.

SUSAN DUCKSBURY and GRAEME DUCKBURY, Bundanoon.

ooOoo

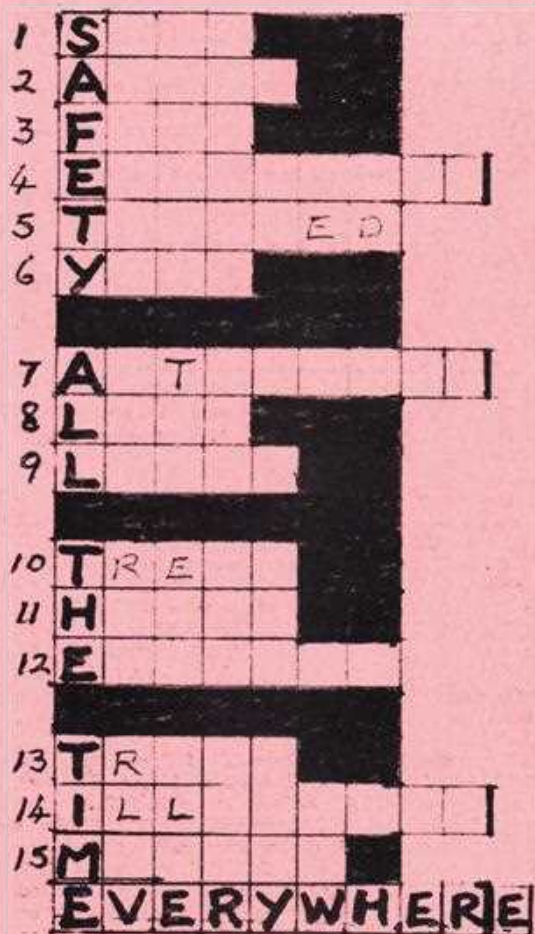
The speculator was brooding over his papers when his wife fell down the stairs outside.

Maid: "Please sir, your wife has fallen."

"Sell immediately," ordered the speculator.

ooOoo

Joe had heard what he thought was a goon conundrum. When he reached home, he tried it on his wife. "Do you know why I am like a mule?" he said. "No," said his wife, "but I was often going to ask you."



SAFETY RYTEWORDS No. 6

(Copyright J. Lewis)

NOTE: The number of blank spaces does not necessarily indicate the number of letters in the word.

Answers will be found in the following list

Sane, aware, master, illegal, sure, muller, treat, trend, sure, safe, illogical, holes, light, trained, lives, tread, lead, hands, trusted, fate, fare, face, awake, yard, year, earnest, aptitude, eager, attitude, trail, lean, earnings, Enjoyment, eating, alert, holds.

- 1 To be this at work brings benefits.
- 2 One needs to be — to danger
- 3 Unsafe working may well affect your —
- 4 — safeguarded by working safely.
- 5 An employee should be — to obey safety regulations.
- 6 A safe one boosts morale.
- 7 One's — regarding safe working on the job is important.
- 8 Employees should develop an — towards 100% safety.
- 9 A type of cage is often used to protect —.
- 10 A good — helps safe motoring.
- 11 Unprotected — invite injury.
- 12 One should always be — in observing safety rules.
- 13 The need for a — to be set towards achieving safe working should be emphasised.
- 14 Unsafe practices may be —
- 15 A good — will ensure the success of safety meetings.

Reasons for choice of answers for Safety Rytewords, No. 5:

- 1 **HEED** is the best answer. To only read or need safety regulations, without taking heed of them, is no good.
- 2 **FUN** can cause accidents — inside workers would not in any way be affected by the sun.
- 3 **POMMY** in Australia refers only to the English. Tommy refers only to the English soldier.
- 4 **HELMET** definitely. A helmet over a window would not prevent you seeing the stars if you wanted to. "Stars" having inverted commas indicates a double meaning. Owing to a misprint, helmet, pelmet or helmet will be accepted.
- 5 Play can be rough, but not necessarily rough. **ROUGH** play can cause accidents.
- 6 **CLUB**. In these days, a club can indeed be worth a lot of money. **CLAN** — not necessarily.
- 7 **LEAD** in preference to deed.
- 8 **TAG** — Danger is often best indicated by a tag. Tag and bag do not indicate danger.
- 9 **ASSURE** or **ENSURE** are of equal merit, insure refers to a payment in case of loss or damage, etc.
- 10 **TORN** clothing is dangerous when operating near machinery. Worn clothing need not be necessarily torn, and thus quite safe.
- 11 **WIRES** or **FIRES** would answer this.

- 12 **DAYS** — the best answer. As regards pays, a lot depends on the job.
- 13 **WORRY**. If work and conditions are safe — there are no worries. You would only be sorry after an accident had happened.
- 14 **HEALTH** — Definitely. In some cases it would affect your wealth. Depends on finances.
- 15 **SUN** definitely — no harm in good fun.

CORRECT ANSWERS TO SAFETY RYTEWORDS, No. 5.

1. Heed, 2. Fun, 3. Pommy, 4. Helmet or pelmet, 5. Rough, 6. Club, 7. Lead, 8. Tag, 9. Assure or ensure, 10. Torn, 11. Wires or fires, 12. Days, 13. Worry, 14. Health, 15. Sun.

RYTEWORDS No. 5 WINNERS No correct solution was received

The following, with one mistake, share the first prize and receive two dollars each: Mrs. L. Aitken, Berrima, Mr. Tom Sharkey, Marulan, Mrs. M. Koschenow, Marulan.

Three competitors had two mistakes, and will each receive one dollar. They are: Mrs. E. Cosgrove, Marulan, D. Millhouse, Sydney office, Mrs. B. Ducksbury, Bundanoon.

The third prize is divided amongst five competitors, who each had three mistakes: Mrs. Lamb, Moss Vale; Mrs. A. Goderie, Sydney office; Mrs. A. J. Shepherd, Marulan; Mrs. T. Pearson, Marulan; Mrs. P. J. Knowles, Marulan.