

# SPC

Vol. 3, No. 1

January, 1961

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**MONTHLY NEWSLETTER**

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SOUTHERN PORTLAND CEMENT LTD.

MARULAN — BERRIMA — MEDWAY — SYDNEY



# S.P.C. MONTHLY NEWSLETTER

*Distributed Monthly by:*

**SOUTHERN PORTLAND  
CEMENT LTD.  
BERRIMA, N.S.W.**

● **EDITOR**

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● **PRINTERS**

*Grant & Walker Pty. Ltd.  
7a Norton Street, Leichhardt*

● **ALL CORRESPONDENCE  
AND ENQUIRIES TO:-**

*The Editor  
● S.P.C. Monthly Newsletter,  
PBS 4, Moss Vale*

● **COPY DEADLINE**

*1st of the Month*

Vol. 3, No. 1

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GARDENING NOTES .....	Mr. C. CROWE Berrima
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# EDITORIAL —

Dear Readers,

As the various contributions to this magazine are being assembled for typing and forwarding to the printers, your regular Editor, Mark Hauber, will no doubt be putting into practice much of his Army training—spine bashing. Yes! Mark is on holidays and I'm sure you all join with me in hoping they will be happy ones.

Well! here we are in 1961, lots of us will have had holidays over Xmas and will be finding it hard to get back into harness again. But never mind, the way these years are spinning around we are almost due again—start saving!

I noticed in the editorial for the December issue, Mark referred to the fact that we eat a little more at Xmas time than at other times of the year—you must have appreciated the wet Xmas day to allow everyone to sleep off the effects of over-indulgence.

How often have you noticed a fellow worker and his family finding the going difficult because the worker is sick and there is nothing coming into the home in the way of wages? Well there is no need for any S.P.C. employee to find himself in this position. There is a welfare scheme at present under consideration—the only thing required at the moment is the co-operation of the S.P.C. employees.

I can recommend this scheme to you—Alf Knapman and Fred Bonnar have all the answers.

I'm only writing this editorial to assist Mark in his absence, but there is one thing I can't help noticing and that is the small number of employees who contribute to what could be the mouth-piece of all S.P.C. employees. About ten people in all contribute regularly. Why not hand in some material and help out?

In conclusion we the staff in the General Office, take this opportunity to extend to all other S.P.C. employees every good wish for 1961.

Yours,

THE EDITOR (Relieving)

## General Manager's Notes

It was extremely disappointing to see what promised to be a relatively good year safety-wise fall by the wayside due to six lost-time accidents in December.

Compared with 1959, there was a fall in the combined frequency/severity rate as used for the Cement and Concrete Association competition, from 48.1 to 27.6, largely because of the greater number of people employed during 1960 and the lower severity rate.

1961 will undoubtedly be our best production year, and we must also endeavour to make it our best ever in safety, which will require the utmost co-operation between management, supervision and employees.

## The New Sydney Office

Pictured on page 2, the tallest lift-slab structure in the world, the £3 million Royal Exchange Assurance building in Sydney, Kindersley House, was opened by the Governor-General, Lord Dunrossil, on 5th October.

The building, which has frontages to two streets—O'Connell and Bligh—is 205 feet high and has 21 floors.

It is five floors higher than any other lift-slab building in the world.

Kindersley House was erected in 108 weeks—five months ahead of schedule.

The floor and roof slabs lifted into position square feet of office space, is the headquarters weighed a total of 10,000 tons.

The building, which has about 170,000 of the Royal Exchange Assurance in Australia.

Kindersley House is named after the Governor of the Royal Exchange Assurance.

It is also the headquarters of Southern Portland Cement Limited in Sydney, and the old premises at Kembla Building, Margaret Street, were vacated over the last weekend in November.

The Company's office is located on the ninth level with a frontage to Bligh Street, and the modern interior is indeed a pleasing change for the twelve employees who staff this city centre.

Early next year we may be able to obtain some photos of the interior of this fine building, together with some of the personalities.





*The new Sydney Office, Kindersley House.*

## ***SAFETY***

During 1960 no less than 22 lost-time accidents were recorded at Berrima, while a number of "near-misses" were also reported in the Ambulance Room.

The year started with no lost-time injuries during January and February and as a result 100 days were attained, when the Green Safety flag was hoisted for the first time from the flag pole on top of the Cement Silos. It did not stay there for more than 27 days when a lost-time injury occurred. However the record of 127 days without a lost-time injury was attained through the concerted efforts of all employees and the 8 unit bonus coupon received by all at Berrima was well worth the effort, for it meant that all employees had received 20 units each in three months of safe working.

However, only one month since has been free of lost-time injuries, that was the month of May.

Since March, there has been recorded as stated above 22 lost-time injuries—with 6 of these in December! So that we have almost equalled last year's 1959 figure, when 23 lost-time injuries were recorded.

This year at least 675 days have been lost from work as a result of these injuries.

The frequency rate of the number of lost-time injuries occurring per million hours worked has risen from 17 at the beginning of 1960 to 30.6 at the end of the year.

It will be seen from the foregoing that 1960 got away to a good start and for the first half showed record breaking promise only to slip badly from June onwards. Now let us all make one New Year resolution—that being an accident-free 1961. It can be done and what's more it pays. Here's to it, eh!

*(See page 14 for Berrima graph.)*

## **PASSENGERS TO BERRIMA**

By LEON B. MANNY

An unprecedented event in the history of the S.P.C. transpired on Saturday, 10th December, 1960, when a passenger train ran a return trip over the Company's private line between Berrima Junction and Medway Colliery. The 70 persons that the train conveyed were members of the Steam Tram and Railway Preservation Society together with many interested friends.

The Society operates rail tours periodically ranging from half to three days' duration and as it is the policy of the Society to run trips that are only of unusual aspect or historical significance the scope for such trips is naturally limited.

The privately owned railway of the Southern Portland Cement Company provided material that satisfied both of these requirements inasmuch as it is laid almost entirely on the formation of the old line of the Berrima Coal Mining and Railway Company.

This railway was constructed about 1882 from Berrima Colliery in the gorge of the Wingecarribee River to connect with the main Southern railway at a point about 1½ miles on the Sydney side of Moss Vale railway station at a platform which at that time was called Austermere and later changed to Bong Bong.



This venture had only brief success and was in liquidation by 1889. The assets, including two small locomotives, which have escaped identification, were sold and the line lay derelict until some time after 1906 when the rails were removed.

About 1925 the Medway Colliery and Railway Company was formed, but before any construction was carried out the trackage rights were acquired by a new company formed by Hoskins Ironworks (later Australian Iron and Steel Ltd.) called the Southern Portland Cement Company. This company constructed a line from Medway Colliery, which was situated a little further north than the old Berrima mine, and met up with the abandoned line a few hundred yards from the terminus, which formation it then followed to the main line. Bong Bong platform was closed in 1913 and the new junction was known as Medway Junction. However, in 1927, both the colliery and the junction were renamed Berrima Colliery and Berrima Junction, which names still apply today, and the name Medway Junction was given to the Limestone Quarry junction near Marulan.

To work the line the Company purchased a saddle-tank locomotive (No. 2603) from the Government Railways and later a side-tank (No. 2018).

Some ten years ago 2603 was returned to the Government and 2018 was scrapped, since when the work has been done by locomotives hired from the Railways Department.

The Society had for some time been casting longing glances at the S.P.C.'s railway line and regarded it as a new avenue to explore for a future tour, so thus when Society member, Bruce MacDonald was travelling south recently, he visited The Ber-

rima Cement Works and paid his respects to Mr. McNicol, the General Manager, telling him of the Society's interest in the Company's line.

Mr. McNicol was sympathetic to the cause and, upon his granting permission for the desired trip to take place, the Society immediately commenced negotiations with the Railways Department to hire a train that would be considered appropriate for such an historical occasion.

Arrangements having been completed, the special train, consisting of engine and three cars, departed Sydney at 8.27 a.m.

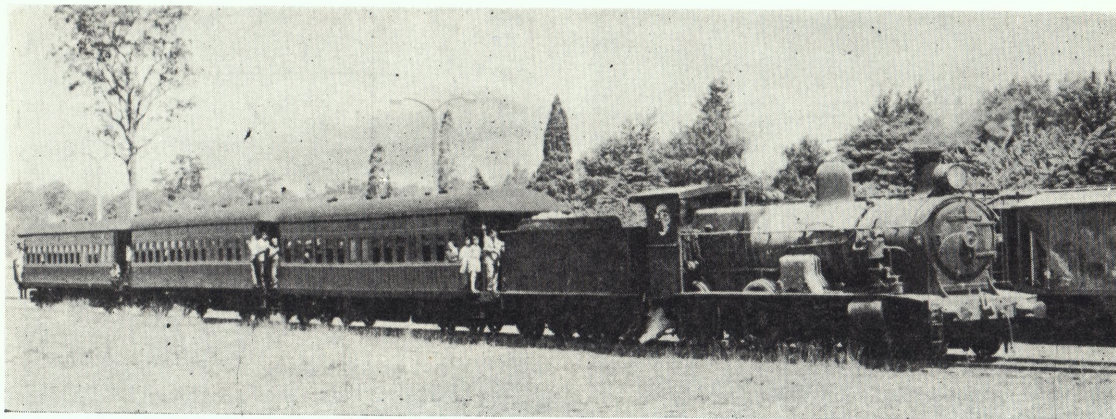
The engine No. 1709 is the only remaining locomotive of its type having been built by the Vulcan Foundry in August, 1887.

The three carriages were formerly used on the Sydney suburban services prior to the electrification in 1926-28. The leading carriage of the special train is now the oldest suburban car in use being built in 1881, the centre car, one of a type designed in the 1890's, claims fame for being converted for a short time in 1922 into a rail motor and now having since been reconverted to a carriage, is the only car still operating with cane seats.

The third car is also of a type built during the 1890's.

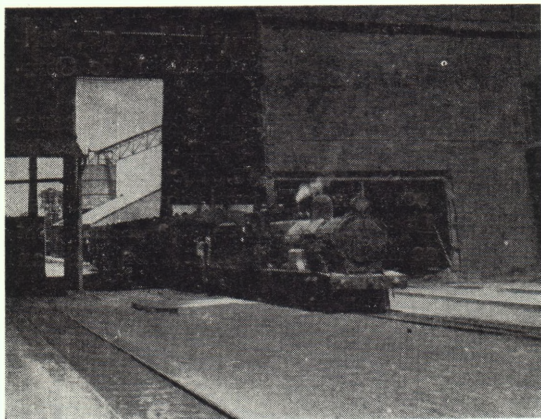
Delays were experienced on the run from Sydney, but as the train approached Berrima Junction en route to Moss Vale, excitement ran high amongst the passengers when they saw the Company's engine standing at the exchange siding to await the arrival of the special.

The train proceeded to Moss Vale, where it was met by Mr. L. C. Knight, Works Manager, who accompanied the visitors on their



*Railway and Tramway Historical Society train arriving at Southern Portland Cement Ltd.*





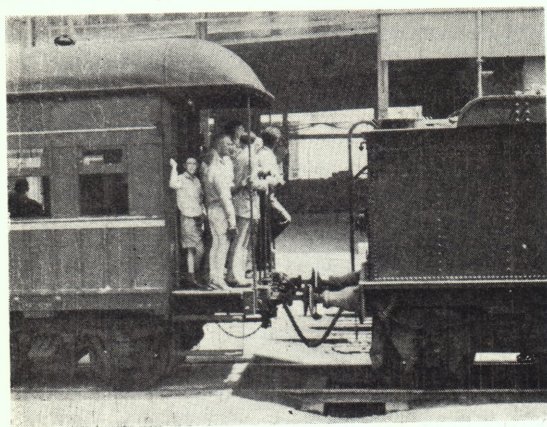
*Train passing through Clinker Gantry*

tour. The engine "ran-round" and hauled the special back to Berrima Junction where it arrived at 1.20 p.m., 1709 shunted clear and the Company's engine No. 3344, now in its 51st year was attached to the train.

It was 1.37 p.m. as the guard gave the right-away to the driver of a train that would roll forward into history for it was the first time that any Society had hired a special train to operate over a private non-passenger carrying line in N.S.W.

A sound which delighted the ears of all the railway enthusiasts was the clickety-clack of the wheels over the close rail joints as the train moved ahead at a sedate 10 m.p.h., a speed in keeping with the late Victorian era to which the train belonged.

A stop was made in the Cement Works yard so that the passengers could see something of the Works from the train while another stop was made at the Hume Highway to permit the passengers to photograph the train in its new surroundings.



*A group of interested Historical Society members viewing the works*

Proceeding across the highway, the writer could not help thinking of his boyhood days when he spent hours in the Cowley paddocks watching the coal train run to and fro and never thought at that time that 18 years later he could help organize the running of the first tourist train to Berrima Colliery.

Upon reaching Medway at 2.15 p.m. the party alighted and made an inspection of the plant, many of the passengers again taking photographs of the train.

The local residents were amazed by the presence of a passenger train in the district and even the younger generation was aware of this unusual aspect. This fact was emphasised by a small Medway lad who asked one of the party—"Are you all lost, Mister?"

"Why do you ask that?" quizzed our friend.

"Well, you must be, because we don't have carriages on our train," came the logical reply.

After a stay of approximately 20 minutes the return journey was commenced.

The approach of the Hume Highway was heralded by the engine's wildly shrieking whistle which attracted the attention of many surprised motorists who would not give the coal train a second glance.

A short stop was made at the Cement Works before the train moved on to reach the exchange siding at approximately 3.30 p.m. where 1709 awaited in readiness for the return of the special.

The party partook of a late lunch in the Moss Vale Railway Refreshment Rooms and commenced the home run to Sydney.

Everybody was contented at having had an enjoyable outing and all were grateful for having had the opportunity and the privilege to participate in this epic phase of the S.P.C.'s history.

Dad, mum and small girl came up to spend a day in town. In a crowded tube lift they found themselves close to a very timid-looking little man and an immense Amazonian female.

The lift doors had barely closed when the Amazon turned on the little man and gave him a tremendous sock under the jaw.

As the family was leaving the lift, father said, "What a charming lady!"

"Yes," chimed in the small girl. "What's more, she trod on my foot, so I pinched her b.t.m."



# TRAVELLING ABROAD

By J. G. SCHOTT—Part IV

New Orleans was reached on Friday, 17th June, and this city contains many charming and strange characteristics. It basks happily and securely in a mild semi-tropical sun behind the impenetrable levees of the mighty Mississippi River, 107 miles from the Gulf of Mexico.

In New Orleans you envision life as it was lived in the colourful days of two centuries ago, you are in the atmosphere of old France and old Spain. And yet you also find modern monuments to progress that win your admiration.

From a small struggling French settlement founded by Bienville in 1718, New Orleans has grown to be the metropolis of the South with half a million people. It is fourth in area seventh in age and sixteenth in population, but with the same reverence which prompts its people to continue to bury its dead in costly above ground tombs, New Orleans has kept alive its traditions, preserved its historic treasures and perpetuated the distinctive customs of its early life.

The heart of old New Orleans is the French Quarter known as Vieux Carre where are to be seen narrow streets and sidewalks running through dingy buildings with their many dif-

ferent shaped roofs and chimneys, the iron trellised balconies, the sweeping fan windows and the conglomerate Creole architecture with strong evidence of French and Spanish influence.

The Mississippi River at Canal Street is 2,200 feet wide and the depth in the New Orleans harbour ranges from 100 to 180 feet in midstream. The city is built on ground 8 to 16 feet below the level of the river and the water is held back by huge earthen levees. This is the reason for the burying of the dead above ground level.

Following a pleasant flight across the Gulf of Mexico, Tampa in Florida was reached on Sunday, 19th June, and a visit was made to the beautiful Cypress Gardens, known the world over as "America's Tropical Wonderland."

These gardens were laid out in 1929 and here are to be seen rare and exotic plants from all parts of the world. The Royal Poinciana or "Flame Trees" were in full bloom and these are conceded to be Florida's most popular flowering trees. They bloom during the early summer months, a mass of scarlet overtopping a broad crown of deep green foliage. Adjacent to these gardens are



MISSISSIPPI BRIDGE—NEW ORLEANS



35 square miles of orange and grape fruit groves, and the fruit of these were found to be delicious.

Moving to Miami on Tuesday 21st June, we were told the story of this peninsula of partly submerged mangrove swamps magically transformed and man made into "America's Year Round Playground."

Miami Beach today represents a miraculous picture of beauty difficult to describe by mere words, except to we Australians who were extremely disappointed at its poor surfing beach with no breakers. The island proper is one and half miles wide at its broadest point and seven miles long and has five miles of ocean front hotels with no counterpart or comparison in the world. There during



MIAMI BEACH AND ALGIERS HOTEL

the winter months is concentrated more wealth than in any place on the globe. The permanent population is 50,000 but the total population including visitors is 200,000 during the height of the winter season.

Adjacent to Miami are the swamps of the Everglades and in this area are two very modern cement plants and many alligators. These alligators range in length from a few inches to 12 feet weighing up to 400 pounds at an age of 225 years. They grow very slowly, about 2 inches per year, and to determine their age the Indians measure the distance between the eyes and the scientists measure the jaw bone. Laws have recently been enacted to protect them from becoming extinct and cannot be kept in captivity without a permit.

On Friday, 24th June, we departed from Miami for New York by DC8B Jet Airliner



ALGIERS POOL AND MIAMI BEACH

and covered the 1,192 miles in 2 hours 10 minutes, only to find that due to heavy fog it was necessary to fly around the Idlewild Airport for 50 minutes before making a perfect instrument landing with the fog right down to ground level.

Next month I will tell you a little about the city of New York.

## NORTH TO THE BARRIER REEF

By RUS GREAVES

Looking towards Cairns from Brisbane one feels that the 1250 miles is just too far!

However, the urge to explore that much publicised region finally spurs the traveller on.

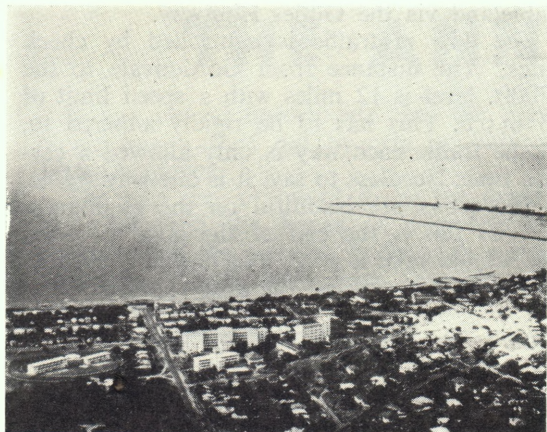
Now Brisbane has experienced trouble with shoppers parking in the city. Needless to say, parking is just as hard as in Sydney.

With great foresight, Allan and Starke Ltd. have erected, a few miles north of Brisbane, buildings suitable for housing branches of many of the large stores in Brisbane.

The car park is marked out into car lots and roads, and one can drive in here and shop in comfort.

Going north from Brisbane, and passing through Petrie, where Australian Paper Manufacturers have just erected a large paper mill, we noticed a very large caravan parked on the roadside. This turned out to be Arthur Beer's (ex S.P.C. machine shop) outfit. He has purchased a Golden Fleece petrol pump on the Bruce Highway, and is building up quite a good business. He took us on a sightseeing tour round Redcliffs, filled





*Townsville Harbour*

our thermos and reluctantly sent us on our way. He enquired about all his old work-mates at S.P.C. His wife was with him, having made a good recovery after her illness.

We were to have met Len Izzard (ex S.P.C. store) at Maryborough, but, after staying at that delightful seaside spot Pinalba, a short cut was taken north, so bypassing that town. Anyhow, Len had asked us to call and had promised to take us fishing. We were sorry to have missed him.

At Rockhampton, the bitumen road ends and one traverses that filthy 300 mile section to Townsville. After ploughing through dust a foot deep and following many bush deviations one is rewarded finally by reaching the really lush sugar cane country. Although sugar cane has been the main crop all the way from Brisbane, the countryside now has the appearance of Robertson soil with Cam-bewarra bush growth.



*View of cane fields near Cairns*

Townsville is a mighty city with a population of between 40 to 45,000. It is a fast growing place and handles the output of Mt. Isa Mines Ltd. some 500 miles inland.

A few miles off Townsville Harbour lies Magnetic Island which is popular with tourists. The island is actually a mountain peak, a subsidance having left it high and dry. Needless to say the geological formation and flora and fauna are similar to those of the mainland.

70 miles north of Townsville we were looking forward to seeing Tony Hayes (son of the late Harry Hayes of Moss Vale) but the sugar mill at Ingham together with all local industry had closed down for the annual show. They thought Tony had gone to Lucinda (on the coast) but anyhow we could not locate him.

A chap told me not to forget to fish at Cardwell, about 30 miles north of Ingham and north of the Hincenbrook passage. On arrival at Cardwell the water was too far out, and only large mud flats remained. This is typical of the conditions prevailing at most fishing areas along the Queensland coast. The fish mostly caught here is the "Grunter," a cross between our bream and perch.

At Tully we decided to head to Mission Beach for the night. This is a 16 mile trip and is a real Redex road. To add insult to injury, on arrival the mosquitoes nearly carried us away, so we wearily retraced our steps and camped inland.

Progressing further north and passing through Innisfail, Babinda and Gordonvale, we finally reached Cairns.

Cairns, with a population of 25,000 is situated on Trinity Bay and does quite a big sea export trade for the surrounding district and Atherton Tablelands. Due to mud, a passage 30ft. deep and a 100ft. wide is kept dredged for sea-going vessels. One has to be pretty careful to navigate the markers correctly for 6 miles otherwise the vessel would be aground.

Travelling up the Macalister Range, which incidentally is similar to travelling from Wollongong to Robertson, the railway leads to Kuranda. The railway station here is hung with fernbaskets, and natural ferns grow in profusion on the station. It has taken the prize for the best gardenised station for many years. Visits here include the Barron Falls together with the hydro electric scheme. This is not comparable with our Fitzroy Falls, for that matter, the whole of this northern area is overrated. Marreba (tobacco grow-





*Green Island*

ing) and Milanda (dairying) are similar to our Moss Vale-Robertson area.

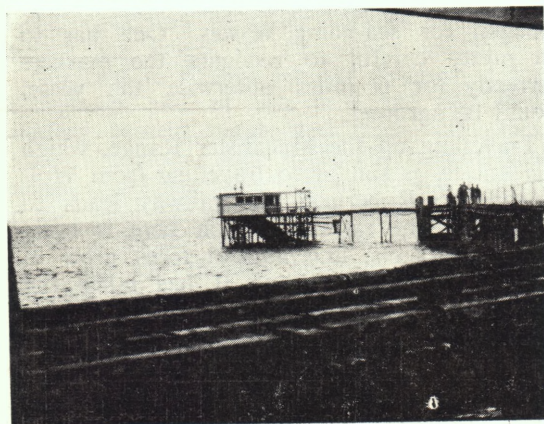
One also visits the crater lakes, Lake Eacham 2478ft. above sea level and 226ft. deep and Lake Barrine, 2400 ft. above sea level and 360ft. deep.

From Cairns, Green Island lies 14 miles out in the Great Barrier Reef. The island is a true coral atoll, and is well worth a visit. A good diesel launch makes the trip in about 2 hours. The atoll is 34 acres in extent and one can walk right around the beach, which is pure coral sand, in  $\frac{3}{4}$  hour.

The coral formation may be viewed through glass-bottomed boats.

The main attraction is a concrete underwater observatory about 20ft. square. This is entered through a closed concrete stairway from the end of the pier. Here one can view beautifully coloured tropical fish, together with various coral formations through 12in. diameter plate glass windows.

Leaving Cairns behind, we travelled south to Gordonvale and climbed to the Atherton



*Entrance to Green Island underwater observatory*

Tableland via the Gillies Highway.

The flow of traffic is controlled by check gates. The distance from Gordonvale to the 2700ft. level is 12 miles with a speed limit of 15 m.p.h. This has to be rigidly adhered to, as the traffic each way is only allowed a certain time. Needless to say, it is one-way traffic.

The views are beautiful on the Highlands, and, as this is the end of the good country, one should take a good look before travelling on to Mt. Garnet and the dusty interior.

## LET'S LAUGH

Girls should wear slacks only when the end justifies the jeans.

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 hell of a lot sooner.

She's called "The Short Skirt" in the office —on the grounds that nobody knows what she will be up to next.

### MIDDLE AGE—

When time's beginning  
To get the best of you,  
When the hair is thinning  
But not the rest of you.

A psychiatrist: "A man who goes to the Folies Bergeres and looks at the audience."

Reporter: "If you were shipwrecked on a desert island, what would you like to take along with you for reading matter?"

Chorus Girl: "A tattooed sailor."

Richard Levy, aged ten years when taken back to school, remarked with resignation while getting out of the car:

"Ah, well! Back to the old brain-washing. I suppose!"

Many a man doesn't know a woman is dynamite until he drops her.



# THE ANNUAL PICNIC

It was indeed unfortunate that the annual picnic was washed out by rain on Saturday, 17th December.

The gala day promised to be the event of the year, and the hopes of everyone were dashed when the morning broke with a steady downpour which didn't ease throughout the whole of the day.

The organisers were forced to carry on, as preparations were finalised prior to the weekend and a postponement could not be effected.

The picnic developed into an indoor affair, where the only function that could be conducted was the presentation of gifts by Santa and a very sumptuous afternoon tea.

This posed a rather grave problem for the organisers, as between 200 and 300 people had to be accommodated in a hall which was approximately 40ft. by 30ft.

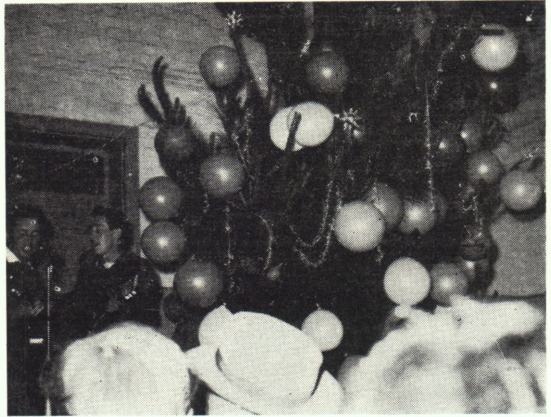
Considering the tight squeeze, the crowd was remarkably gay, especially the children, who awaited the arrival of Santa with great expectation.

A colourful Xmas tree decorated the stage, and with the arrival of Santa, after having bogged in the mud, the kids really whooped it up, the noise threatening to cave-in the roof. The presentations were effected and the children at least were happy.

Mr. L. C. Knight, the Works Manager, made a short speech and stated that the sports events would be postponed until early in the New Year, when the new works oval would be completed and these events would be conducted as an opening of the remodelled oval.



*A typical family group—awaiting Santa*



*The beautiful Christmas Tree*

To keep the visitors' spirits up, a musical group entertained the crowd with some fine music, and the teenagers especially were swamping the trio with requests. They played non-stop for quite a long spell to the delight of the youngsters.

I noticed a few "squares" also enjoying the performance.

The organising committee again deserves a vote of thanks for the efficient manner in which they conducted the proceedings. The stewards did a fine job under the circumstances, and I think I speak for everyone in saying "Thanks, fellows."

We look forward now to the sports events, which will be duly publicised when dates are known.

I make no excuses for the photos which appear, as at one stage I had two small



*It's Him at last!*



children wrapped around my legs, one trying to haul the camera out of my hands to see what made it tick, and a slippery sandwich under each foot.

A happy and prosperous New Year to you all!



*Section of the crowd enjoying the music*



*The popular entertainers*



*Standing room only!*



*"Santa" captures everybody's attention.*

## — SPORTING NEWS —

By JACK MOTT

### BOWLS

By far the most interesting article this month in the game of bowls is the selection of John Fuller in the N.S.W. side to play Victoria in the Southern State next month. The test series starts on January 17th and will continue for a week or ten days.

It is a great honour indeed to be chosen to represent your State and John can be justly proud of his recent form which enabled him to be selected from a very long string

of strong players. Good luck to you, John, and our best wishes for a successful and happy tour.

The S.P.C. "Four" comprising Fred Armstrong, Bill Rutter, Len Knight and John Fuller was to have played in the finals of the Southern Tablelands Division of the State Fours in December, but were disappointed when the matches could not take place on the scheduled time owing to inclement weather, thus robbing them of the



opportunity to send John away with a further notch in his belt. The games will not be played now until late January or early February.

Another S.P.C. bowler, Jim Dray, is also making a name for himself among the top notch players of this part of the State. Jim and his partner, Alan Fraser, easily won the Southern Tablelands pairs, the final of which was played at Ingleburn last month. Congratulations to you and your partner, Jim. Your performance was quite a good one and we look forward to you doing bigger and better things in this game and who knows you may catch the State selector's eye next year.

Alwyn Counsell another of our reputable bowlers will be playing in the semi-final of the Southern Tablelands Division of the State Singles on the 8th January, 1961. We wish him good luck.

### CRICKET

Nothing much has happened during the month of December in this sport, mainly due to having a succession of wet Saturdays and the last two Saturdays falling on Public Holidays. One item of interest, however, was the return of Jack Hayes to the 1st Grade team. Jack for many years had made his presence felt in the S.P.C. team and possibly would be the oldest active member of the club. The way he was noticed bowling them down to Mittagong players proved he was anything but a spent force. At times he showed glimpses of the form that enabled him to be selected in district teams some few years ago.

It is hoped that Jack will continue to be active with the club and, when he does finally hang up his cap, will take an interest in the younger players and convey to them some of the wealth of knowledge he possesses.

A social game of cricket among the S.P.C. workers is being organised and will take place as soon as possible after the opening of the S.P.C. oval. This game is to be played between cricketers who have passed the age of forty and those who have not as yet reached the age of wisdom.

For the over forties Tarn Wrightson hopes to be able to field a team from the following:—J. Dray, J. Hayes, S. Marshall, R. Larsen, G. Beattie, M. Brittle, T. Wrightson, T. Waide, F. Bell, F. Day, R. Longhurst, J. Mitchell, J. Schott, A. Bell, B. Rudge.

For the under forties Ken Mott's hopes lie with:—K. Larsen, J. Tickner, K. Mott, J. Townsend, G. Larsen, O. Fairbairn, W. Poland, J. Moore, C. Moore, K. Moore, D. Moore, N. Austin, H. McDonnell, J. Coupe,

J. Wrightson, R. Mordue.

This match is sure to be an interesting one and any player mentioned but unable to play should notify Tarn or Ken. Any player desirous of playing, but not mentioned above, please contact the organisers.

### TENNIS

This sport suffered the same fate as cricket this month and I haven't a record of any games being played in the competition. This will leave the finals to be played late in the season and one can only hope for an Indian summer during May and June.

However Table Tennis got away to a good start in the summer competition and a lot of interest is being shown in this sport. Ber-rima has entered 3 teams in the comp. and put up a creditable performance to have two of their teams win at their first outing.

## FISHING NOTES

For the past month estuary fishing has been very poor due to the rain. However, if the weather continues to improve, the New Year should be good.

Notwithstanding the dirty water, a few anglers tried their luck. A few flathead and bream have been caught at the canal and off the beach. Jack Brown bagged some nice tailor at Kiama by spinner. He thinks the spinner is quite good and wouldn't bother with bait now. January and February are very sharky periods and anglers should be very careful if they decide to take a dip. You know, that poor old cove the shark is always regarded as a dreadful monster! But, I can't help admiring his graceful swimming action, and I suppose he's only after his natural food!

The Daily Telegraph reports a spearfisherman who landed a 220lb. spotted black cod at South West Rocks. My word this is a mighty fish! Just reminds me, that locals oiled me up on my last trip to South West Rocks, "the jewies are on up the river!" We packed the car and hastened up the Macleay River about 6 miles. It was a job to get a place to sit. For miles the grassy green banks were lined by all kinds—children, women and men. Some had hand lines, some rods. I started catching the jewies. I had caught five and thrown them back, when I decided to take a walk along the bank. You wouldn't believe it! All had bags of jewies and I bet there wasn't a fish over 14" long! I give the net men a bashing sometimes, but this spectacle was incredible. Oh! yes, "the fishing is good up the river!"



## GARDENING NOTES

**FLOWERS.**—SOW: Antirrhinum, Astor, Carnation, Delphinium, Dianthus, Marigolds, Nasturtium, Iceland Poppy, Pansy, Polyanthus, Primula, Salpiglossis, Stocks, Wallflower, Early Flowering Sweet Peas, Verbena.

PLANT: Gladiolus for autumn flowering.

**VEGETABLES.**—SOW: Beet, Dwarf and Climbing Beans, Butter Beans, Carrot, Parsnip, Parsley, Spinach, Sweet Corn, Swede Turnip, Peas, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Celery, Kohlrabi, Leek, Cucumbers, Melons, Squashes, Vegetable Marrows and Pumpkins, Cress, Endive, Lettuce, Onion, Radish.

PLANT: Tomatoes for a late crop.

A New Year once again! Plan your garden activities now! Make up your mind to remember to plant all those "beauties" you forgot last year, and keep the garden "spic and span" and "wogs" and diseases under control!

We have had many heavy storms in this district recently and as a result the soil will need loosening up all around plants. Break up the top layer of the soil and replace any washed away by the rushing water.

Watch for the soil drying out during the next month or two and water thoroughly, not just a sprinkle when necessary.

Stake Dahlias, Chrysanthemums, Gladioli and all tall growing annuals.

Keep up the sowings of beans and peas, and deeply dig any empty beds in the vegetable garden ready for planting later in the year.

**KNOW YOUR PLANTS.**—**Hypericum patulum henryi:** Yellow flowering shrub, height 4ft., very showy. There are many varieties of Hypericum, all yellow-flowered, from very prostrate plants to varieties 5ft. high, some with variegated leaves.

**KNOW YOUR PESTS.**—**Thrips:** Small white to black insects found on the underside of leaves, particularly Viburnum, Rhododendron and Azalea. Sucking insects, so use a contact spray such as DDT. These pests discolour the leaves and make them look silvery.

A thought for the New Year—

"Nature casts her joys around,  
Bidding all things happy be,  
And in summer's gifts are found  
Tokens of Eternity."

—By T. G. Henslow.

## MORE LAUGHS

"Will you please eat your dinner," mother urged. "Motivate me," said the child.

★  
As the fly said as he sat on a mirror, "That's one way of looking at it."

★  
By the time a man can afford to lose a golf ball he can't hit that far.

★  
What a pity that future generations can't see the wonderful things we are doing with their money.

★  
The trouble about being a good sport is that you have to lose in order to prove it.

★  
A lady of our acquaintance, becoming alarmed at the increasing naughtiness of her little daughter, aged twelve, who seemed to prefer the company of boys and of her father to the company of other little girls, took her to a female psychoanalyst in Harley Street.

In the course of the examination, the child was asked: "Are you a girl or a boy?" She paused for some moments and then answered, "A boy!"

An expression of the utmost gravity clouded the female medico's countenance. Tenderly leading the mother aside, she spoke in hushed tones of the incredible disaster which threatened the child's future.

Stunned by incomprehensible references to the darker works of Freud and Kraft-Ebbing, harried by hints of ghastly complexes to come and terror-stricken by the cost of the year's treatment which she was told could alone eradicate the soul-destroying canker that had been laid bare, the mother hurried her little one home.

There, clasping the child to her breast, "Why? Oh, why," she sobbed, "did you tell the lady you were a boy?"

"Because," answered the little darling, "a damfool question deserves a damfool answer."

★  
A teenager of the home-loving type, and much addicted to serious diversions—classical music, woodwork, first-aid, gardening and so on—suddenly caused his father great anxiety by staying out till 3 a.m.

"Where on earth have you been and what have you been up to?" demanded his irate parent.

"I don't know what they call it, Dad," he answered, "but I can tell you one thing—I've found a new hobby."



Two magistrates were cycling home together at night without lights when they were stopped by a policeman. They were duly charged and, when their cases came up for hearing next day, they agreed that each should leave the bench in turn to have his case heard by the other. The first one went into the dock, pleaded guilty and was promptly fined ten shillings. When they had changed places the second magistrate, after pleading guilty, was rather shocked to receive a fifteen-shilling fine. "That's a bit unfair," he complained, "I only fined you ten shillings." "I know," was the reply, "but there is too much of this sort of thing going on—this is the second case we've had today."

★

Magistrate: "What made you think the prisoner was intoxicated?"

Constable: "Well, your Worship, he dropped a penny in a letterbox at the end of Westminster Bridge, looked up at Big Ben and said: 'Terrible! I've gone up two stone'."

## PERSONAL PARS

AS HEARD ON THE GRAPEVINE

The wedding of Brian Saker and Lindsay Rennie at Berrima on Boxing Day brought together one of the biggest crowds seen at such a function in Berrima for many years. Both of these young people were born and reared in Berrima, and have made countless friends, who gathered to wish them every happiness.

\* \* \*

The engagement is announced of Miss Alma Ray, niece of Mr. Les Humphries, to Mr. Percy Sewell of Mittagong. Miss Ray was bridesmaid at Mr. Humphries' wedding, and we all know Percy, who is a shift electrician. Congratulations, Alma and Percy!

\* \* \*

S.P.C. workers can again be complimented on their response when called upon to assist one of their workmates who was suddenly stricken with bad health. The unfortunate person on this occasion was Ted Bender, and we hope to see him back punching the bundy again soon.

\* \* \*

Norm Austin and Charlie Blackie, together with their wives and families, are spending their annual leave at Huskisson, where fishing and swimming will be their main pastimes.

## INDUCTIONS

Peter Bos	Yard
Robert Varty	Yard
John Gleeson	Machine shop
Charlie Wheeler	Stores Clerical
Peter Daley	Yard
Bernard Keily	Maintenance
Robert Middleton	Stockhouse
Frederick Hulbert	Maintenance
Lawrence Eather	Yard
Max Clarke	Maintenance
Robert Crockett	Maintenance
Reg Longhurst	Transferred from Colliery
Laurie Small	Yard
Nikitas Sais	Maintenance
Bert Robinson	Electrical

\* \* \*

**MARULAN.**—We regret that with so many employees on annual leave our correspondent has been a very busy boy—result, no news! But James will be back on the job in time for the next issue.

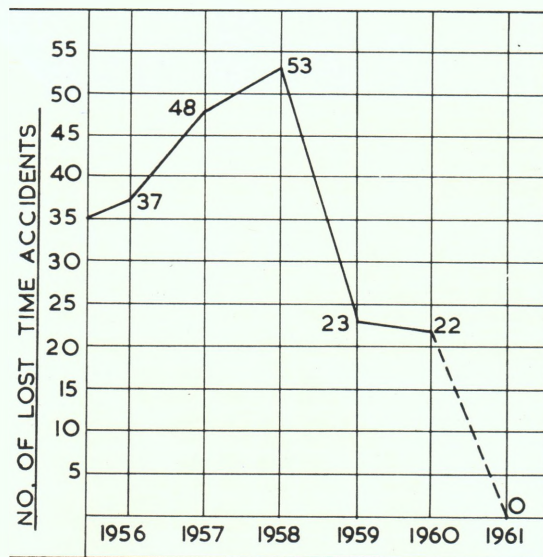
\* \* \*

**MEDWAY COLLIERY.**—All on annual leave. Nothing to report.

\* \* \*

**GENERAL OFFICE.**—You wouldn't know the place.

Mark Jones is on holidays. Mrs. Anne Murry, who terminated on Xmas Eve, was the recipient of several nice gifts from members of the staff. Anne was very popular, and will be missed by all.



BERRIMA ACCIDENT GRAPH



# — PUZZLE PAGE —

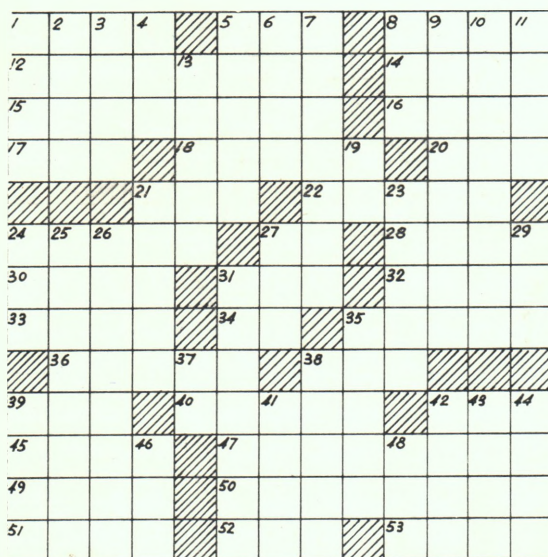
The result of Problem No. 22 is shown at right.

The lucky winner this month was Barbara McIntosh of Innes Road, Moss Vale. Congratulations, Barbara!

## Problem No. 23

### Across

- |                     |                             |
|---------------------|-----------------------------|
| 1. Gossip           | 32. Purple fruit            |
| 5. Place            | 33. Ladder part             |
| 8. Pedestal         | 34. Hypothetical force      |
| 12. Refresher       | 35. Sheriff's force         |
| 14. Affirm          | 36. Wary                    |
| 15. Fragrant        | 38. Hindu weight            |
| 16. Yield           | 39. Witch                   |
| 17. Gained          | 40. Watered spot            |
| 18. Fabulous tales  | 42. "The Queen....."        |
| 20. Regret          | 45. State                   |
| 21. Pronoun         | 47. Pertaining to the shore |
| 22. Ship operation  | 49. Mother of Zeus          |
| 24. French city     | 50. Intrude                 |
| 27. Greek letter    | 51. Fruit drinks            |
| 28. Century plant   | 52. Affirmative             |
| 30. British Anthony | 53. Large knife             |
| 31. Fabulous bird   |                             |



J	A	C	K		L	E	A	R		T	R	A
O	G	E	E		I	D	L	E		H	A	Y
B	E	E	T		B	E	E	P		I	C	E
				T	H	E		S	L	I	N	K
C	A	L	L	E	R	S		I	N			
A	G	E	E		A	M	M	E	T	E	R	S
S	A	N		S	T	A	I	D		R	O	E
T	R	A	I	L	E	R	S		A	G	U	E
				R	E		T	E	A	P	O	T
G	R	E	E	N	S		R	I	P			
R	I	D		D	E	M	I		L	O	P	E
A	P	E		E	R	I	E		E	V	E	S
Y	E	N		R	E	D	S		S	A	G	E



### Down

- |                       |                           |
|-----------------------|---------------------------|
| 1. Talon              | 25. Flattered             |
| 2. Valorous man       | 26. Deserter              |
| 3. Egyptian god       | 27. Seed vessel           |
| 4. Mr. Turkey         | 29. Uncle (Scot.)         |
| 5. Woodland deity     | 31. Queen Elizabeth, e.g. |
| 6. Publish            | 35. Parasites             |
| 7. Skill              | 37. Universal language    |
| 8. Moccasin           | 38. Plots                 |
| 9. Blue jeans         | 39. Dance                 |
| 10. Diligent          | 41. Progenitor            |
| 11. Sapling           | 42. Ground grain          |
| 13. Designates        | 43. Contentment           |
| 19. Continent (abbr.) | 44. Instead               |
| 21. Axis              | 46. Owns                  |
| 23. Mist              | 48. Mother of Ceres       |
| 24. By                |                           |





PSN

# SPC

Vol. 3, No. 2  
FEBRUARY, 1961

**MONTHLY NEWSLETTER**

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



# S.P.C. MONTHLY NEWSLETTER

*Distributed Monthly by:*

**SOUTHERN PORTLAND  
CEMENT LTD.  
BERRIMA, N.S.W.**

● **EDITOR**

*M. D. Hauber*

● **PRINTERS**

**Grant & Walker Pty. Ltd.**  
7a Norton Street, Leichhardt

● **ALL CORRESPONDENCE  
AND ENQUIRIES TO:-**

*The Editor  
S.P.C. Monthly Newsletter,  
PBS 4, Moss Vale*

● **COPY DEADLINE**

*1st of the Month*

Vol. 3, No. 2

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**- Departmental Representatives -**

S.P.C. BERRIMA .....	J. MC R. GREAVES L. HUMPHRIES
MARULAN QUARRY .....	J. FELTHAM A. GUTZKE
MEDWAY COLLIERY .....	R. JONES

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**- Contributions -**

GARDENING NOTES .....	Mr. C. CROWE Berrima
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# EDITORIAL —

## THINGS TO COME

### SOLAR POWER

Dear Readers,

Hello again from yours truly!

Firstly let me extend my thanks to Alwyn Counsell for filling in as editor during my holidays. It is not easy to hand over the production of a magazine on the spur of the moment to someone unfamiliar with the various contributors and the source of much of the material used in the magazine.

However, Alwyn was a willing colt and, as you could no doubt see by last issue, turned out an excellent edition on time.

Secondly, I must also thank my regular contributors for their swift co-operation during my absence. It would indeed be pleasing to have more contributors of their calibre to help make our magazine a readers' treat.

Don't forget to have a look at the Welfare Notes in this issue. The Big Day is on!!

I would like to take this opportunity of welcoming back to work all those people who have recently been on holidays. It is rather awkward to give readers details of individuals who have been away as by the time the magazine is issued these people are back at work. Nevertheless, we are interested in their various trips and if anyone would care to write an account of their holiday I would be only too pleased to publish their story. These holiday jaunts are often very helpful to others contemplating a trip and first hand information is indeed profitable.

Until next issue,

Yours,

THE EDITOR.

### *General Manager's Notes*

The financial restrictions imposed on the country by the Federal Government late last year are now having their effect and there has been a slowing down of the building industry, which had a record boom for most of 1960.

However, with our spread of sales over large government projects, the effect on Southern will not be as great as on other companies whose outputs are mainly consumed in building and allied industries.

It would appear, at this stage, that we will not have another big increase in sales as we did in 1960, but that during 1961 we will maintain about the same level as 1960.

The 1960-70 decade undoubtedly will see the emergence of solar power in new phases that may revolutionise heating, cooking and communications. In three U.S. satellites solar cells have been used and in one of the latest, Vanguard I, sunlight has been for the first time converted into electricity. It is reported that in the opinion of quite sane and practical experts space craft which could cruise interminably using sunlight as the material of power have come within the ambit of possibility. At Los Alamos, inexplicable as the principle may seem to the ignorant layman, the workers at the pioneer Los Alamos (New Mexico) Scientific Laboratory have designed what they call a "Solar Sail," which would use sunshine in the same way in which a sailing vessel uses wind. It consists of a thin plastic disk coated with evaporated aluminium which would be folded inside a satellite. When the satellite is placed in orbit the sail would unfold and gradually sail the satellite into an ever-wider orbit. The sail would be set from the earth through a gyroscope placed in the centre of the sheet. The inventors estimate that a sail weighing 1,000 lb., which would be a quarter of a mile wide, could carry a space vehicle to Mars and back in two and a half years. Its advantage is that it would be just as steerable as a sailing boat. In October a sun-powered car was driven in London. The cells used to charge the car batteries in the vehicle—a 1912 Baker electric—are similar in type to those which for years have been opening automatic doors, counting entrants to buildings and determining camera exposures.

### SAFETY FIRST

Two lost time injuries were recorded during the month:—

E. Daley, fitter, sustained an injury to his back whilst lifting sleepers. This injury resulted in 12 days' lost time.

H. Threlfall, stockhouse employee, received lacerations and abrasions when his motor bike got out of control and went from under him. The accident occurred at the turn into the Works entrance and resulted in 11 days' lost time.

Both employees have since resumed work.



# INDUCTIONS

## BERRIMA

Keith Sinfield .....	Production
Richard Ogilvie .....	Laboratory
Andrew Rennie .....	Store
John Bavas .....	Production
Enrico Reviglio .....	Production
Arthur Day .....	Electrical
Albert Peake .....	Maintenance
Terry Parmenter .....	"
Peter Osbourne .....	"
Laurence Purcell .....	"

## NEW APPRENTICES

Trevor Pratt .....	Fitting and Turning
Ian Gilby .....	" " "
Klaus Neumann .....	" " "
Chris Edmonds .....	" " "
Robert Strode .....	Electrical

## MARULAN

N. Steffensen .....	Electrical Apprentice
G. Newman .....	Fettler
C. Stouce .....	Labourer
J. Ezzy .....	"
N. Briggs .....	"
E. Leske .....	"
F. J. Parker .....	"
M. Creswick .....	Appr. Fitter & Turner
J. Mullane .....	Fettler
T. Wild .....	Popperman
C. Quigg .....	Lorry Driver
W. Osborn .....	Fettler
K. Rigg .....	Labourer
J. Churchill .....	Popperman
R. Woods .....	Fettler
W. Williams .....	"
K. Persson .....	"

## PROWLERS AT NEW BERRIMA

Two types of prowler have been operating around New Berrima during the month.

The first, a two-legged type, was noticed prowling about the home of John Coupe, who was away at the time.

A child noticed the man entering John's home but treated the incident with little importance and failed to notify his parents until the prowler had made his getaway. It was later found that a sum of money, which John could ill afford to lose, had been stolen,

and despite police action the money has not yet been recovered.

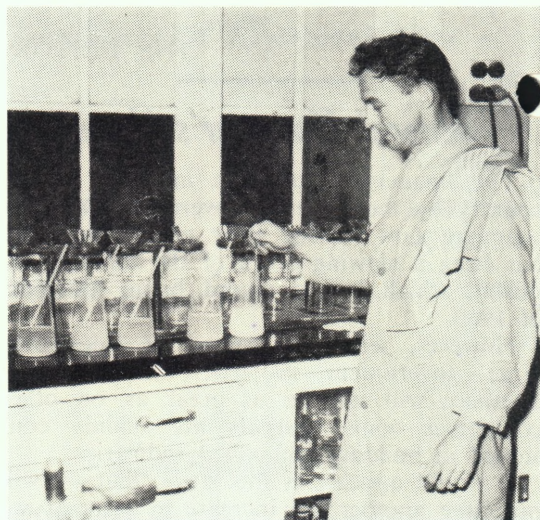
The second, four-legged varieties, in the form of dogs, have been annoying residents with their sorties into the hen-houses of numerous householders. These escapades came to a sudden halt when two of the offenders were caught red-handed (or I should say red-mouthed) in the act of disposing of several pullets.

Their untimely demise, although a saddening operation because most of us have an affectionate outlook on dogs generally, should prove to be a warning to dog owners throughout the township.

## LAB. ADDITIONS

For the purpose of control, in the blending of raw materials for cement manufacture, analytical figures are required as soon as possible. With this in view, cement chemists in the Plant Laboratory at Berrima, have gradually speeded the analysing time up, so that a full analysis is available in 6½ hours. Needless so say, with production at such a high level, the gravimetric methods still do not yield figures in time for materials to be re-adjusted in composition, before final processing.

With speed in mind, a Beckman DU Spectrophotometer was recently installed for



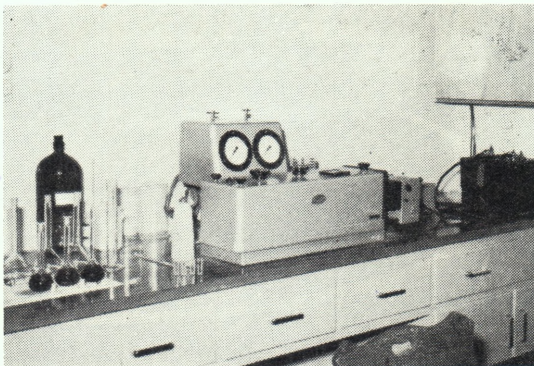
*Harry Etheridge conducting tests.*



carrying out routine analytical work.

After a short period of operation, it has been found that the spectrophotometer is capable of handling the same amount of work as was previously done on the bench in approximately half that time.

Calcium oxide, which is the most important oxide in the raw material, and therefore the most sought after by control chemists, is the last determination made in the system of gravimetric analysis; therefore, these figures would not be available until the end of the day. However, single determinations of calcium oxide together with other oxides can be available almost immediately.



*The new Spectrophotometer.*

## PLANT JOTTINGS

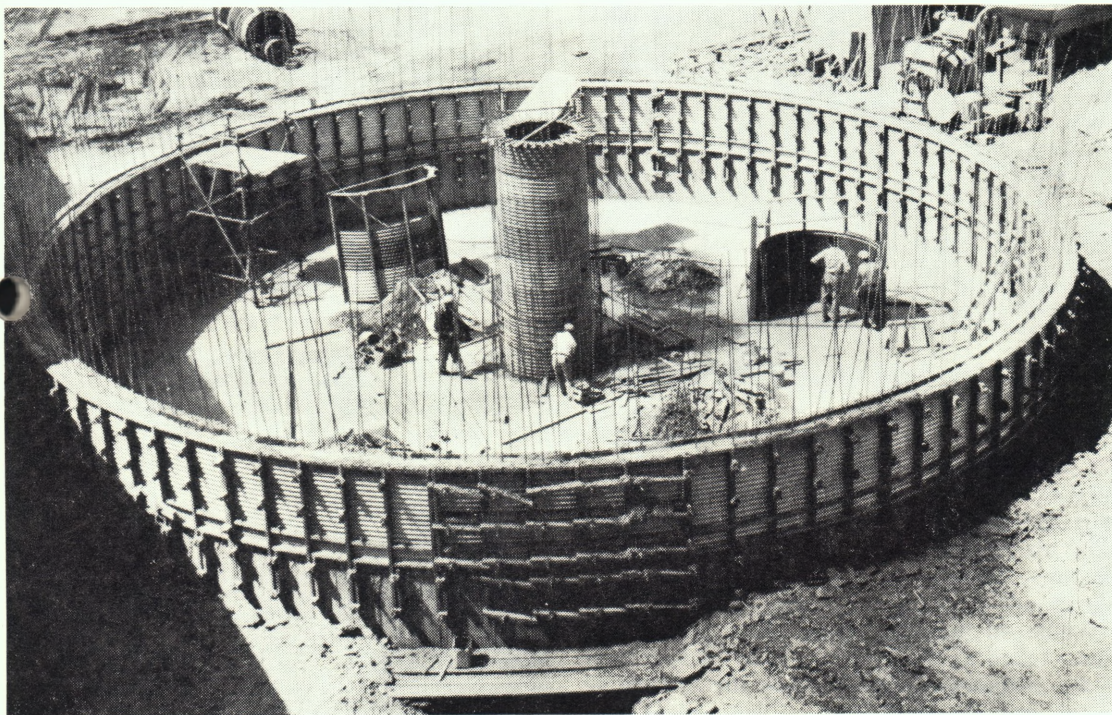
The new mixing basin is now nearing completion and it is anticipated that operation should commence at the end of the month.

The formwork necessary to construct this basin can be well appreciated by the picture below, which shows the early stages of construction.

In the October, 1960 edition of S.P.C. Newsletter we featured a photo of the new

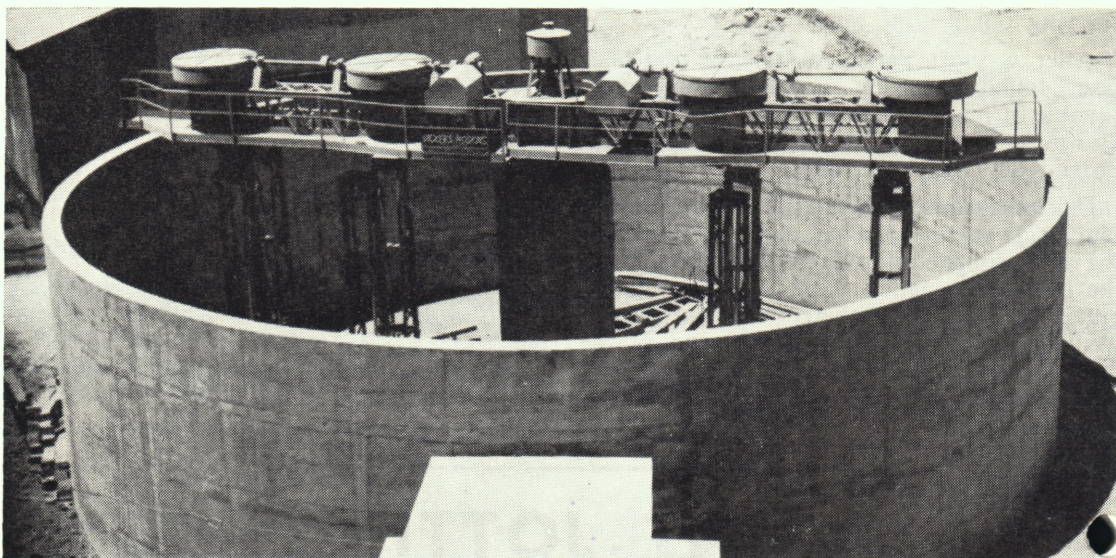
limestone bins under construction at Marulan. Readers will remember that at this stage only the concrete columns had been completed. The following picture shows the progress which has been made to date with the steel bins already completed and the overhead structure well on the way. Later on we will feature further photos of the completed bins.

The staff at Marulan have now moved into

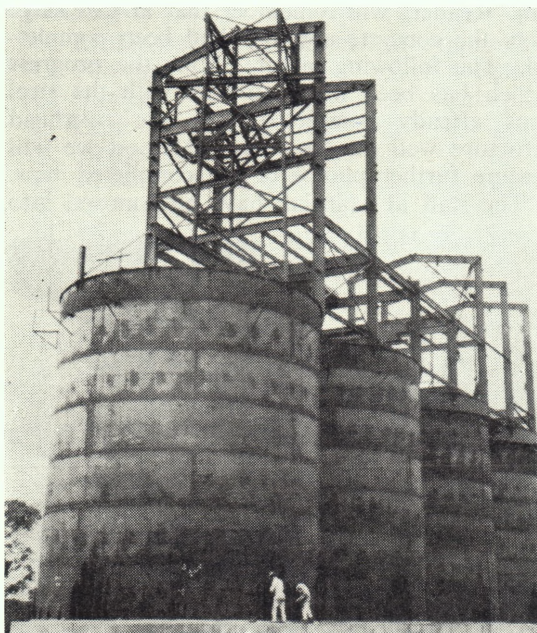


*Stage 1: Construction.*





*Completed Basin.*



*Limestone Storage Bins.*

the new office and conditions are more favourable, as previously they were making do in a temporary office and were somewhat split up. However, the new building is a pleasant change and is more central to the Works.

Whilst on the subject of offices we have a photo taken at the Sydney office. It is a view of the entrance hall and shows the interesting mural on the right wall. This mural was produced by a Sydney artist and is represen-

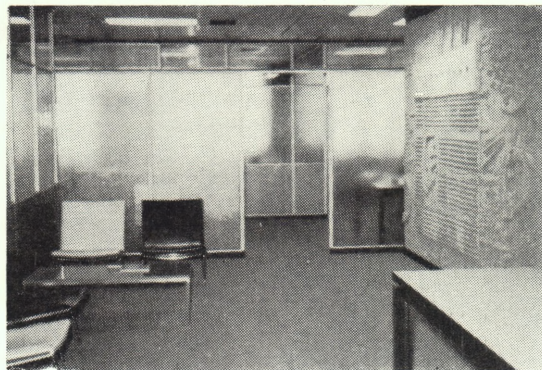
tative of the uses of cement.

Unfortunately the lighting effect has resulted in a rather poor representation. When viewed from directly in front, many interesting features can be observed.

We hope to get more photos of the Sydney office at a later date.



*Works Office, Marulan.*



*Sydney Office.*



# THE BAROSSA VALLEY OF SOUTH AUSTRALIA

By B. G. KING (Editor SAPCO News)

Many of the cement folk at S.P.C. have probably heard of this beauty spot while probably some of you may have tarried awhile in this green setting whilst on holidays.

Thousands of people visit the Valley yearly as it is a No. 1 popular Government tourist run.

One is practically in the entrance to the Valley on leaving the big town of Gawler, situated 25 miles north of Adelaide. You have the choice of two good roads or the railway. This track is supposed to be the best money-spinner of all rail tracks in the State. The line was completed to Angaston in September, 1911. Of the roads, the prettiest views are obtained on the winding road that goes through such pretty places as Rowland Flat, Lyndoch and Tanunda. For miles, and as far as the eye can see the soothing green vines run up hill and down dale. It is really a pleasant drive and a pleasant sight. Tanunda, the home of music, stages the annual Band Competitions and last year 19 bands from all over Australia took part in the street march and the many sections of the competitions. This is also the home of the well-known Chateau Tanunda brandy. As we leave this prosperous Barossa town we pass smaller distilleries each with its particular brands of wines and spirits. We are now on our way to Nuriootpa and pass the House of Seppelts, a big name in Australian spirits. Vineyards still sweep back to the foot of the Barossa Range. At Nuriootpa there is a cluster of distilleries and one can pick out famous names, Penfolds, Tolley, Stott and Tolley. We decide to go into the town and link up with those who took the other road. This road passes through the little towns of Sandy Creek and Greenock and ends up at Nuriootpa. This is a go-ahead town and could possibly become the metropolis of the Valley in the future.

The end of the long Valley is now in sight as we turn towards Angaston and its 5,000 people. Just as we enter Salter's Gully the tall stacks of the S.A.P.C. plant make very striking landmarks, and we see another busy industry among the vines. This Company is the oldest of its kind in the Southern Hemi-

sphere, cement of a kind having been manufactured way back in 1882 around the Brighton hills.

The S.A. Portland Cement Company Ltd. was formed in 1892 and it was the shortage of raw materials that caused the plant to be transferred to Angaston some 60 years later.

Although wines and spirits are a big industry in the Barossa Valley practically every industry is represented. Tons of dried fruits are sent away annually, mostly for export. The hundreds of orchards are a fine sight in blossom and bearing. Export of flour is another big industry, mostly all Valley towns having a flour mill each. Angaston marble is still in demand. The I.C.I. stone crushers and gantries are always busy, so that industry proceeds apace among the vines.

The colourful vintage festival is to be held this year and this picturesque carnival is outstanding. It used to be held annually but the march of time has curtailed it to every three years.

Angaston is a pretty town fairly high up in the range and approximately 900 ft. higher than Nuriootpa, only four miles away. The town is well spread out. The oval would be the best laid outside the metropolis and is well sheltered by tall trees. The Institute, now remodelled, is second to none.

Wonderful grazing country lies beyond the town and here we see the glories of virgin country as it spreads for miles on its way to the River Murray.

That well known Yalumba distillery is just around the corner from the town and the home of S. Smith & Sons is an imposing structure. Here we also see the famous Yalumba racing stables and its valuable thoroughbreds.

We leave you with the hope that if on a visit to South Australia at any time, call in and see us at Angaston, and you will agree with me that the Barossa Valley of South Australia was well worth the visit.

---

Temperamental — Easy glum, easy glow.



# TRAVELLING ABROAD

By J. G. SCHOTT — Part V

From Miami we travelled by D.C. 8 Jet aeroplane to New York, covering the 1192 miles in 2 hours 10 minutes to find the Idlewild Airport surrounded by dense fog down to ground level and an instrument landing had to be made which took the pilot another 50 minutes.

New York is a very large city and can lay claim to be a capital of the world. Since 1952 it has been the home of the United Nations, and the huge building which houses its Secretariat has been described as a cigar box set on end and has become as much a symbol of the city as the Statue of Liberty.

Its population is extremely cosmopolitan and only 87% of its 7.8 million inhabitants are white. The outline of the skyscraper buildings of picture postcard fame, the impressive cars and the hustle and bustle of a busy people were all part of the city we had long imagined. The noise and traffic were formidable and everything seemed stupendous

and colossal. The shops are very nice, particularly on Fifth Avenue, and we certainly enjoyed the sightseeing of the Empire State Building, Radio City and the boat trip around Manhattan Island.

The Empire State Building, of 102 stories and reaching 1,250 feet above the pavement, can claim to be the tallest building in the world and, whilst it dominates the skyline, there are plenty of other giants. The Chrysler Building is the only other to exceed 1,000 feet, but at least another 30 can claim more than 40 stories and 500 feet high. There are 16,000 persons working within the 102-store Empire State Building, and with visitors to offices and the Observatory, the number of people entering the building daily is 35,000.

Travelling around Manhattan Island by ferry, a good view of the city of New York is obtained, and one sees the Statue of Liberty, the many bridges over the Hudson



*The Statue of Liberty.*



River, the Yankee Stadium, the Polo Grounds and Harlem, the negro section of the city.

The glitter of New York's restaurants, theatres and music tends to blind the visitor to a more solid side of the city's life, its commerce, industry and finance, but each plays a substantial role in determining the mood and tempo of the place and its people.

Soon after Henry Hudson's discovery of Manhattan in 1609, a Dutch trading post was established on the island, and from that day trade has continued to be the life blood of the island. Although its political fortune and its name varied with its capture by the English in 1664, its recapture by the Dutch in 1673 and its restoration to the English in the following year, and its final capture in 1783 by the American Armies, in trade and commerce it rarely looked back. Today the port of New York is the world's busiest, and the exotic displays in the city's shops and fairs give ample evidence of the fact.

A visitor tends to forget the overcrowding of the city and the strongest memories remain of the splendours, such as the soaring elegance of the George Washington Bridge, the flags and flowers of the Rockefeller Centre, the massiveness of the city's mid-town architecture, the roar of business, the glitter of the

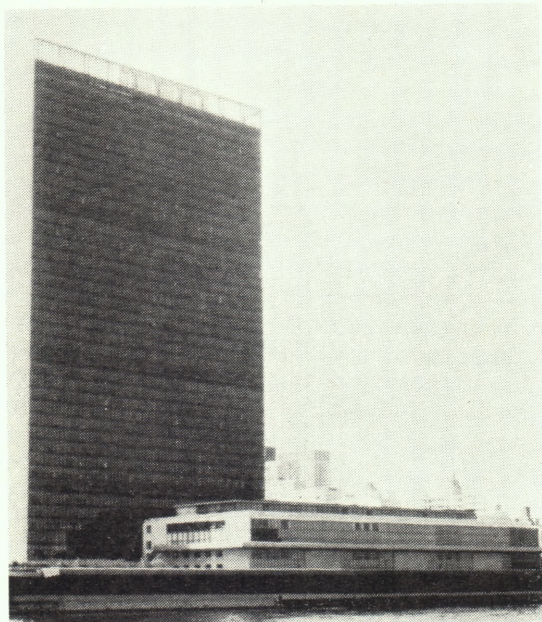


*The Empire State Building.*



*A typical wrecking yard, New York.*





*The United Nations Organisation Building.*

Broadway theatre lights, and the peace and wisdom of the libraries. The twenty-two square miles that is Manhattan Island is so tightly packed with magic, power and glory as to win the acclaim of all but the severest critics.

## PERSONAL PARS

### BERRIMA

John Wrightson — Stores clerical — has received notification of the award of a Commonwealth Scholarship. This will enable him to enter the Canberra University where he intends studying Economics. John expects to leave the company some time in February.

Friday, 13th, usually looked upon as an unlucky day, was indeed the opposite for Mr. and Mrs. John Coupe. Mrs. Coupe presented husband John with a bouncing baby daughter and both mother and daughter are doing well. Congratulations, both of you!!

Xmas Day, a day of festivity, had an extra touch in the home of Albert Dickson, when he became the proud father of a baby girl. Although the baby was not quite A1 for the first couple of weeks, everything is now O.K. and both mother and daughter are doing fine.

George Blackie, one of our oldest hands, has just completed 37 years' service with the company. All but a few years have been served at Berrima and George is confident he will do his second term of 20 years' long service and more. We all wish you well, George.

We would like to congratulate Gail Fitzgerald, a promising ballet student, on passing her Grade 4 exam. with Honours. Gail is the daughter of Reg Fitz. of the stockhouse. Good work, Gail, and the best of luck for the future!!

### MARULAN

Our cartoonist and reporter, Allan Gutzke, is at present holidaying in Queensland. He is visiting his parents whose home is at Toowoomba. All the best, Allan, for a pleasant stay in the Sunshine State.

Two Marulan families are holidaying at Lake Illawarra. Mr. Steffenson and family, together with Mr. Thompson and family, have rented a cottage between them, and we hope they enjoy their seaside holiday.

Max Koschenow and family are holidaying at various spots. A week at Burrinjuck Dam with fishing and the remainder in Sydney will be Max's break. Good fishing, Max!

Rex Izzard, a Surfers' Paradise fan, is again heading towards the Gold Coast for his annual leave. Happy holiday, Rex.

Wedding bells chimed for Bill Rowley and Miss Kay Murray on 11th January. Kay and Bill plan to make their home at Marulan. Congratulations and best wishes for the future, Kay and Bill!!

Our best wishes for a speedy recovery to Mrs. John Miller, who was hospitalised during the month.

### WELFARE NOTES

The Sports Day which was promised as an opening for the new oval has now been set down.

The events will take place on Saturday, 18th February, and the programme as printed for the Xmas picnic will apply.

Let's hope the weather will be kind to us this time and make for an enjoyable day.



## VOICES FROM THE PAST

The current boom in boating in Australia has produced, along with the greatly increased sales of mass produced craft, a do-it-yourself craze. The interest of the Australian public has been captured by this fascinating sport which is ideally suited to our waterways which abound throughout the country.

This current interest has prompted me to write an article on the history of boatbuilding.

In bygone centuries workmanship was of a very high standard indeed, considering that people of those days had no machines or modern implements to facilitate manufacture. Everything was hand-made and most of the articles were products of individual taste that must have required great patience on the part of the workman or artist. Obviously these craftsmen made up for lack of tools by making wonderful use of their well-trained brains. Even today there still exist many examples of the old craftsmanship.

You will find it surprising to know that three thousand years ago the Venetians had moulded plywood boats; fragments of these vessels have been found recently and show the excellent quality of their production. How did they make these craft? Perhaps in a more simple way than we are able to mould plywood boats at present. What kind of resin did they use? Perhaps of a very simple composition. Who shall ever know?

Chinese, Egyptian and Inka art are also specimens of extremely fine taste and workmanship.

Our object here is to discuss the shipbuilding side of the old ages.

Up till fifty years ago, very few echoes from those long departed days ever reached us; only a faint whisper by means of some scripture (Papyrus Rolls, Norwegian Sagas and Roman historians who described the invasion of the British Isles) and reproductions, mainly of decorations on dug-out objects, came to our knowledge. The whispering, however, became clearer with the advent of discoveries during the last century.

Objects dug up mostly were Nemi and Viking vessels; these are, comparatively speaking, not so old; they date back from the earliest periods of the Christian era.

The Nemiships, those called after the place of discovery (Lake Nemi in Italy), gave us more technical data. It might be mentioned that iron anchors, which are exact examples of the anchor patented in 1854 by the British Admiralty, were discovered; also wooden anchors, with lead inlaid to make them sink. The purpose of these anchors is so far unknown.

We find that these same vessels were sunk in the mud of Lake Nemi several centuries ago, and on several occasions vain attempts were made to lift the ships. Although some objects were recovered, the wrecks were badly damaged.

Italian Government put a drastic stop to all this waste of energy by simply draining the lake and digging out the ships.

As for the Norman (Viking) ships, one is at a loss to know which feature to admire most—the perfect lines, the special and excellent methods of construction, the artful decorations, not only of the ships, but also of the objects found in them. In fact, no real lover of ships could help but praise unreservedly these beautiful vessels.

All boats found to date are so-called deathships (i.e., vessels buried together with their owners).

Canotus told us about ships 300 feet in length, but these have never been found: they must have been troopers or cargo boats, have probably followed the path of most other wooden vessels and, when worn out, have been chopped to fire wood for cooking purposes.

All ships that have been discovered are about 70 feet long. From what we can gather, the owner usually lived aboard his ship and had full command. These boats have been found over a wide area and it is evident that the Normans roamed a great part of the world to carry out their raids.

There was a settlement on Greenland which in the 9th century was extended to a diocese. Afterwards the glaciation, the immense cold and inhospitable climate, caused the settlement to be relinquished.

Another story is of the Norman landings in North America, where New York stands today. They called this land "Winland", after the many vines that grew there.



In 1863 the so-called Nydamship was dug up at Nydam (Sleswick, Germany). This ship apparently dates from the 3rd century A.D.; this belief was more or less established by the fact that Roman coins, dating from the years 69 to 217 A.D., were found inside. The Kiel Museum, where this vessel has been exhibited, was bombed and destroyed during the War, but fortunately the Nydamship remained undamaged.

By order of the German Government, an exact duplicate of this ship was built in 1934 by Abeking and Rasmussen of Lemwerden, near Bremen. It was a rowboat with an overall length of about 70 feet, a beam of 10ft. 4in. and draft of 1ft. 8in. In 1880 a sailing vessel—the so-called Gokstadship—was found and is now on show in the Oslo Museum. A wooden crypt was found in the stern of this ship, behind the mast. Inside this was buried the remains of the owner whose age was estimated about fifty. Some of his personal belongings were found also—11 horses, six dogs and a peacock.

Dimensions of this vessel were somewhat larger than those of the Nydamship; it had a length of 78 ft. 4 in., beam of 16 ft. 9 in., a draft of 3 ft. 6 in. and a displacement (with cargo) of 28 tons. The mast was 39 ft. 9 in. long, the yard 35 ft. 2 in. One sail was also found; with an area of 753 sq. ft.; this consisted of eleven standing cloths, colored alternately red and yellow. All cloths were made of wool.

An exact copy of the ship (dating from about 900 A.D.) was built in 1893. This demonstrated the craft's sea-going capacities by making the voyage from Bergen (Norway) to the Chicago World Exhibition under her own sail.

Several other vessels have been found, including the Tuneship, Lebafelde, Ohra, Scheldt and the Oseberg and Suttonhoo.

The Osebergship dug out in 1904 near Oseberg in Norway was one of the finest discoveries, beautifully decorated with a dragon-head stem. This craft was the grave of a Queen—the mother of King Halodan Svarte. One of the last discoveries was the Suttonhoo in England in 1939; in this, many extraordinarily beautiful and richly-finished ornaments were found. These demonstrate once more the skill of the silversmiths and the exquisite taste of decoration possessed by the people of those days.

Nearly all these ships were constructed elastically, i.e., the planking was not directly fastened to the frames, the latter had no

solid connection with the keel, there being small cleats between the frames and the planking, which was clencher-built.

Planks were connected to the frames by means of strings, made either from willowtree bark, leather or eel's skin. Purpose of this elastic system of building was that the ship, when at sea, developed a more or less oblique shape. Construction was so perfect that the ship was flexible enough for this purpose but never too flexible.

The planking was fastened by iron or wooden nails. The latter were exactly round, made of very dry fir and their length was in accordance with the thickness of planking; both ends of each nail had a notch and, after it had been driven into the hole, an oak wedge was driven into it, one from either side. The notches were made across the planking (not in the direction of the wood nerve) so as to prevent the wood splitting. Iron nails were used only where wooden ones were of no use, such as in the stem rabbets. Some ships have been found where only iron nails were used throughout.

Most of the vessels were built of oak planking, each plank being of one length (imagine the dimensions of the trees from which this was cut, considering that some planks were 82 feet long by 2 feet wide). The wood was handled very skilfully, and the planks were rift-sawed or split in order to prevent warping of the material—it is hard to imagine how they accomplished this. Oars were made of fir or ash, length varying from 7 ft. 6 in. to 19 ft. 3 in. Shields, with a diameter of about 40 in. and painted in black or yellow, could be placed on the gunwale to increase freeboard. Models of various types of these vessels have been tank-tested and experts have asserted that they were built with the best possible technical qualities for their purposes—resistance, stability, seaworthiness, course-stability and weight.

There are remarkable differences between the rowing, sailing and cargo boats. For instance, the Gokstadship had a much deeper keel, and thus more lateral plane. The rowing ships had a wider deck in proportion to the water line, so that the oarsmen were placed as far away as possible from the ship's centre.

Australian readers will be interested to note that only in New Zealand and in New Ireland have ships been constructed in the same technical way as the old Vikings' ships. Even as late as in the 19th century, similar kinds of vessels were built in these parts.



These ships were more primitive and their rich decorations were not nearly of such high standard; however, this may be because the natives had only stone tools to work with. The hulls were carvel-built instead of clench; the planks were sewn together with bamboo-fibre instead of being nailed. Resin glue was used to close the seams and the connecting material was put over the frames instead of being driven through.

We wonder if there existed any relation between those far-apart areas; the unique

system of construction (which has never been found elsewhere) justifies this hypothesis; but on the other hand it does not seem likely because of the very great distance which separates them. Admittedly it is possible that some Norsemen were shipwrecked on one of their rapacious voyages and thus carried over the technique.

Up till now we have been unable to prove anything one way or the other. Perhaps some day in the future we may hear more echoes from the past.

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## — FISHING NOTES —

During the past month there has been a marked improvement on the angling front.

There have been good reports of sizeable bream and flathead up to 3 lbs. at the canal. Sam Marshall did all right at the beach. Speaking of flathead, one 3 ft. 6 in. long was landed at Minamurra recently. With this in mind I gave it a try opposite the golf links. It was very nice trying until the sand flies found out where I was!

Allan Parker and party fished in water up to the thighs at the canal for good bream and flathead. During the time, one of the party landed a 4ft. grey nurse shark. I understand there are still vacancies for tenors in the local choir!! Anyhow, Bert Garbutt and party landed some nice bream and oysters near the sunken wall! I have an idea that Bobby Friend fishes for oysters, too! But, of course, a patient man like him could hook an oyster! I've seen him walk up and down at the island point for nearly two hours, with something in the vicinity of 70 or 80 lbs. on light tackle, but finally lost it. He has a new sinker. I don't know the exact specifications, but it can be cast out from a reclining position!! His bag was bream, flathead and a nice whiting.

It would appear that the Ampol fishing contest at The Entrance did not yield too much gold for the contestants — all lead!

The worthy gentleman who tagged the fish passed away during the contest, this seemed particularly appropriate for a gentleman who had been an outstanding authority on the subject of fish and fishing for many years. All fishermen in particular, will regret the passing of MR. T. C. ROUGHLEY. His book "Fish and Fisheries of Australia" is a particularly fine volume for all interested in fishing.

The General Manager was kidded into taking his family fishing during a recent vacation

in Victoria, so proceeded to an old waterhole on the Avoca River, well-known for good English Perch (red fin) in his youth. The G.M. spent all his time putting worms on hooks for the youngsters who were losing their baits at a remarkable rate on snags, reeds and yabbies.

First catch went to four years old Niall, whose only reaction on withdrawing the fish from the water was to rub his large brow and stomach. As the red fin was only about six inches long it was returned to the water amidst flood of tears.

Several fish up to  $\frac{3}{4}$  lbs. were eventually caught and enjoyed the next morning at breakfast, that is by the children, the G.M. now having acquired a taste for the fine salt water fish from the N.S.W. coast rather than muddy fresh water fish.

A further experience in Port Phillip Bay was less fruitful.

---

The wife of an office worker, whose husband had worked for the same firm for twenty-one years, demanded that her husband ask for a raise which he had not been given for fifteen years.

"Tell your boss that you have eleven children to support, have to meet payments on the house and car, have to make contributions to your church and pay your own expenses when doing Community Chest work," the wife said.

"Did you get your raise?" the wife asked.

"No," the husband replied. "I was fired."

"Didn't you tell the boss what I told you to tell him?"

"Yes, but he fired me anyway."

"Why?"

"Too many outside activities."



# GARDENING NOTES

**FLOWERS.**—**SOW:** Antirrhinum, Aquilegia, Calendula, Carnation, Delphinium, Mignonette, Hollyhock, Larkspur, Pansy, Polyanthus, Primula malacoides, Scabious, Stock, Viola, Viscaria, and Wallflower, Iceland Poppies.  
**PLANT:** Spring-flowering bulbs, such as Daffodils, Hyacinths, Jonquils, etc. Stocks, Wallflowers, Pansies, Iceland Poppies.

**VEGETABLES.** — **SOW:** Beet, Broccoli, Brussels Sprouts, Broad Beans, Cabbage, Kohlrabi, Leek, Parsnip, Parsley, Radish, Spinach, Swede Turnip.  
**PLANT:** Beet, Cabbage, Cauliflower, Celery, Lettuce, Spinach, Garlic, Escalots.

In the flower garden, Summer pruning of roses may be carried out now. Cut off all old flower heads and shorten back any branches which have made too much growth in the centre of the bushes.

Disbud Dahlias now, if you want good flowers later in the year, and lightly prune hydrangeas.

Plan Autumn and Winter shrub and tree plantings now!

In the vegetable garden, light cultivation and watering are the main works for this month. Any exhausted crops should be taken out and the ground well dug and manured and left vacant for a few weeks. Watch for pests and diseases and deal with them immediately.

After the recent spell of hot weather, give the lawns a light dressing of Sulphate of Ammonia to bring them into growth again before the cooler weather sets in.

**VERONICA, also known as HEBES.** — Flowering Alpines and Shrubs, varying in height from a few inches to shrubs 8 ft. to 10 ft. tall. Many are natives of New Zealand. Flowers range in colour from white through various shades of pink and many shades of blue and mauve. Some varieties have variegated leaves.

**PERENNIAL ASTERS.**—All those daisies in the "Easter Daisy" group ranging in colour from white, pink, blue, through to almost red, and in height from a few inches to 4 ft.

**PESTS.**—White Butterfly: Large white butterfly, which lays eggs on the backs of the leaves of the cabbage, cauliflower, broccoli, swede and white turnips, Brussels sprouts

and many other vegetable plants, as well as stocks and nasturtiums. These hatch into light green coloured caterpillars which have very large appetites and grow rapidly.

Spray the plants with Arsenate of Lead when they are small or with Buggetta to control the caterpillars.

There is a small wasp which is a parasite to the caterpillars, so if you come across a bunch of tiny cocoons, yellowish-white in colour, not far from a very sick-looking caterpillar, do not destroy them.

---

## STAFF APPOINTMENTS

Mr. Eugene C. Liu has been appointed technical assistant to the chief engineer at the Berrima Works. Mr. Liu is a graduate B.E. (Mech.) of Sydney University and is at present studying Economics.

On 10th December last, Eugene was married at St. Patrick's Church, Church Hill.

The bride is the younger daughter of the first ambassador for China in Australia, the late Dr. N. K. Kan and of Mrs. Kan of Petersham.

To these newlyweds we extend a hearty welcome and may their stay in the district be a happy one.

Mr. and Mrs. Liu have taken up residence at Bowral.

\* \* \*

Mr. B. R. Peck has been appointed sales office manager at our Sydney office. Mr. Peck commenced duties during November last year and we hasten to apologise for not extending him a welcome in our last two issues.

\* \* \*

Mr. J. F. Angelini has been appointed distributing stores supervisor and his headquarters are also at the Sydney office. Mr. Angelini is a former member of the Australian Regular Army and resides at Kingsgrove.

\* \* \*

Mrs. Beverley Perry has been appointed typist at the Berrima office. Beverley came to this district from Cooma, headquarters of the Snowy Mountains Authority. Beverley and husband are living at Bowral.

\* \* \*

John Gottaas, office boy, joined the company during January direct from Chevalier College. John lives at Moss Vale.



# — SPORTING NEWS —

By JACK MOTT

## CRICKET

At last I am happy to report that the S.P.C. 1st Grade cricketers have got going with the bat. In many previous matches they have threatened to put on a score only to fail after one or two batsmen had given them a good kick off. In the match against Bowral, openers G. Beattie and H. Gilbert hit the ball with real skill and both finished with a creditable score of 27 and 31 respectively before being dismissed. Ken Mott went to the stumps after the Bowral boys captured Beattie's wicket and from the outset batted tradesmanlike fashion, easily the best performance he has put up this season and was still batting strongly when he pulled a ball onto his wicket and was out for 68. Others to make a bold attempt were J. Taylor 23, H. McDonnell 34, and at the end of the first day's play John Wrightson was still going strong with 20 runs up; the score at that stage was seven wickets for 287, a good effort against bowlers of the calibre of Peter Douglass, John Tully, Keith Larsen and Co. Let's hope you boys can keep the good work up for the remainder of the competition.

The S.P.C. second grade cricketers have been outclassed in all recent matches and a lot of credit must be given them for the manner in which they always turn up and a win for them would be richly deserved.

It will be on for young and old on February 19, as this is the date set for the under and over forty cricketers to have their day's match. Last issue, teams for both sides were mentioned, but as there is sure to be quite a few unable to get to the post, I feel sure any player who was not mentioned in the teams and is desirous of playing will be sure to get a game. The match will be played under social cricket rules which only allow each batsman to make 50 before he is asked to retire; each bowler has three overs and refreshments are taken each eight overs. It is hoped to commence the game at 11 a.m. and a really good day's outing should be had by all.

The performance of Keith Larsen in making 186 not out will be long remembered by our S.P.C. 1st graders, for it was he who dashed any hopes they may have had of defeating the Bowral team that Keith plays for. It was a faultless innings which included

nine "sixes". Congratulations, Keith, for a fine effort.

## BOWLS

Playing in the Southern Tablelands section of the State Singles Championship, Alwyn Counsell was really at his best and accounted for Ray Fuller in the semi-final at Ingleburn and Tony Vigar in the final, thus giving us another champion in our midst. Congratulations, Alwyn, for a meritorious effort.

Two other S.P.C. Bowlers to have some proud moments this month were Bill Rutter and Fred Armstrong, when they were presented with badges and certificates by Vice-President of the Royal N.S.W. Bowling Association, Ted Downie, for the part they played in winning the country "fours" championship at the last country week carnival. It took quite a while for the boys to receive these coveted certificates as country week is only a few weeks off again, but no doubt Bill and Fred will tell you they were worth waiting for. Congratulations to these two bowlers and their pals and good luck in this year's country week.

## TENNIS

Medway tennis players are performing well in the current competition. The "A" reserve team has been beaten only twice and is well up the ladder in the point score. The team looks a certainty to make the finals. The "B" grade team also is holding a good position, and if they can maintain their present form, will make a bold bid for victory in the finals.

Another Berrima tennis team, "Hillside," is giving Medway a battle in the "B" grade section and it could be possible that these two teams meet in the finals.

---

The gangly farm boy looked wistfully at the load of hay, upset in the middle of the road in a collision with a car.

"Hadn't you better go tell your father?" asked the motorist.

"He knows," replied the boy.

"Knows? How can he know?"

"He's under the hay."



# — PUZZLE PAGE —

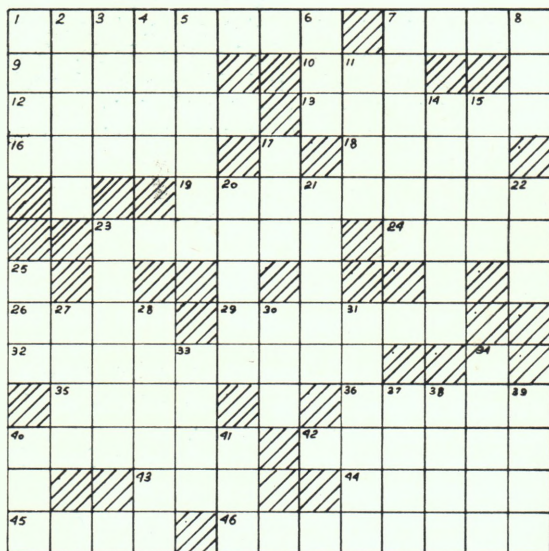
The result of Problem No. 23 is shown at right.

The lucky winner this month was Mr. K. C. Howard of Marulan. Congratulations, Kevin!!

## PROBLEM No. 24

### Across

1. Scrap
7. Box
9. Constituent of fatty oils
10. Division of a play
12. Begins
13. Plaid
16. Indian tent
18. Morning
19. Sign
23. One who offers a price
24. Catalogue
26. Crawling animal
29. Scrutinises
32. Fascinate
35. Grant
36. Consecrated table
40. Infrequent
42. Furrow
43. Compass point
44. Sidles
45. Equipment
46. False



C	H	A	T		S	E	T		P	O	S	T
L	E	M	O	N	A	D	E		A	V	E	R
A	R	O	M	A	T	I	C		C	E	D	E
W	O	N		M	Y	T	H	S		R	U	E
				H	E	R		N	A	V	A	L
P	A	R	I	S		P	I		A	L	O	E
E	D	E	N		R	O	C		P	L	U	M
R	U	N	G		O	D		P	O	S	S	E
	L	E	E	R	Y		S	E	R			
H	A	G		O	A	S	I	S		B	E	E
U	T	A	H		L	I	T	T	O	R	A	L
L	E	D	A		T	R	E	S	P	A	S	S
A	D	E	S		Y	E	S		S	N	E	E

### Down

1. Station
2. Change
3. Harvest
4. Weary
5. Mean
6. Swallow
7. Leisurely walk
8. Hurry
11. Lodge temporarily
14. Educates
15. Insects
17. Madame (Abbr.)
20. Adjust
22. Greek letter
23. Wooden vessel
24. Mistake
25. Reverential fear
27. A single time
28. Shrub
30. Graze
31. Carrier
33. Labourer
34. Bird
37. Metal bearing vein
38. Roman garment
39. Relax
40. Sink
41. Sea (Fr.)



PS

# SPC

Vol. 3, No. 3  
MARCH, 1961

**MONTHLY NEWSLETTER**

 SOUTHERN PORTLAND CEMENT LTD.

MARULAN — BERRIMA — MEDWAY — SYDNEY



# S.P.C. MONTHLY NEWSLETTER

*Distributed Monthly by:*

**SOUTHERN PORTLAND  
CEMENT LTD.  
BERRIMA, N.S.W.**

● **EDITOR**

*M. D. Hauber*

● **PRINTERS**

**Grant & Walker Pty. Ltd.**  
7a Norton Street, Leichhardt

● **ALL CORRESPONDENCE  
AND ENQUIRIES TO:-**

*The Editor  
S.P.C. Monthly Newsletter,  
PBS 4, Moss Vale*

● **COPY DEADLINE**

*1st of the Month*

Vol. 3, No. 3

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## *- Departmental Representatives -*

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MARULAN QUARRY .....	J. FELTHAM A. GUTZKE
MEDWAY COLLIERY .....	R. JONES

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## *- Contributions -*

GARDENING NOTES .....	Mr. C. CROWE Berrima
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# EDITORIAL

Dear Readers,

We almost had a month accident free, but on the last day the record was broken when a member of the machine shop crushed his finger whilst moving some oxygen bottles—bad luck for that person, too!!

This is a put up job—Mark Hauber is again on holidays. This time he is doing a course in mountaineering in the mountains north of Singleton. You would join the Army, Mark!

I might have known I would get the job of helping out when Mark thanked me in his last issue, but I'm going to pass the buck—without Pat Scott to do the typing and reminding, things would have been pretty grim, Mark! I think you owe that typiste some thanks! (Typiste comment: see what a growl can do!)

Social gatherings! From what I've heard on the grapevine, a few evenings together would be very welcome. What about it, you organisers??? Baby sitters are cheap and perhaps your wife would like to meet some of your fellow employees.

Yours, THE EDITOR (Relieving).

## General Manager's Notes

At the February meeting of our Board of Directors some minor capital expenditure was approved, the result of which will be to improve the efficiency in certain sections of the plant.

Over the next few years it is proposed to replace worn out and obsolete machine tools and also provide better equipment for the training of apprentices at the Berrima Machine Shop. A new power hacksaw, screwing machine and 6in. lathe are to be purchased immediately as the first stage of the programme.

The original apron feeders on Nos. 1 and 2 raw mills which, you will all agree, have seen better days, are to be replaced by pan type feeders which will allow the feed opening in the bottom of the limestone hoppers to be opened out to 3ft. x 8ft., which compares with 2ft. x 2ft. with the existing feeders. Those of you who have stood on top of the bins on wet days barring down sticky limestone will no doubt applaud this move. A unit compressor, rotary type, is to be in-

stalled on the Fuller Kinyon pump handling the cement from Nos. 3 and 4 cement mills. At the present time, with the Fuller Kinyon pump operating off works air, the position often arises when the pump is starved for air when an air valve in the slurry section is opened too wide.

Now that the south quarry at Marulan has been opened up, the large amount of overburden to be removed, plus the long haul to the primary crusher, has necessitated the purchase of an additional 20-ton capacity Euclid truck similar to the six already in operation, and it is due to arrive in June. As a point of interest, our Euclid trucks are operating at the lowest cost per ton of material handled of all the trucks in the B.H.P. quarries.

## SAFETY

### BERRIMA

Two lost time injuries were recorded during the month of February, bringing the total to five so far this year.

This is a contrast to the 1960 figures, when no accidents were reported during those months, and it was then that we reached an all time record of 127 days without a lost time accident. Let's all strive hard in 1961 to break that record. Remember, those Bonus Coupons of 6, 8 and 10 units—they're there to be won for working safely.

### NEW EMPLOYEES

The following new employees commenced work with the Company recently:

Austin Mooney .....	Weighbridge Att.
Kevin Pye .....	Laboratory
Noel Taylor .....	Production
Michael Sullivan .....	"
Gordon Heycott .....	"
Kevin Mumberson .....	"
Fred Matthews .....	"
John McGrath .....	Stockhouse
James Gleeson .....	Maintenance
Arthur Hill .....	Power House
George O'Neill .....	Stockhouse

### TERMINATION

Doug Crow terminated after 11 years' service in the Maintenance Section, and was presented with a wallet of notes by his work-mates.

### NOTICE

A number of cases of money being stolen from lockers in the bathrooms has been reported recently. **SOUND ADVICE:** Don't leave money or valuables in your lockers.



# 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 achievement 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 rights, industrial safety will have reached the millennium.

—Extract from "Industrial Safety."

## PLANT JOTTINGS



Pictured above is a foam generating fire fighting unit recently installed at the Works.

This machine is adapted for use on oil fires and is filled with a foam producing liquid which, when mixed with water and passed through a special foam nozzle mixing the liquid with air, produces a dense foam.

On the left can be seen the hose which is run out and connected to the water supply whilst on the right the operator is shown holding the nozzle in the correct position.

The application of foam to an oil fire has the effect of cutting off the air, reducing the heat and thus blanketing the blaze.

This equipment must NOT be used on electrical fires. Dry chemical or CO<sub>2</sub> types of extinguishers are provided for this type of fire.

### WORKS OFFICE

By the time this issue reaches our readers, the works office will be completed and an impressive building it is, too. Most of us by now have become used to the outside appearance of this new structure, but probably not many have seen the interior. Next month we will feature some photographs of the office and its staff.



## A NEW AUDIO FREQUENCY COMMUNICATION SYSTEM

The problem of providing a satisfactory two-way communication in industrial plants has occupied the attention of engineers for some years.

Due to our expansion, the present internal telephone system was found to be inadequate and enquiries were made to overcome this problem.

An internal communication system using amplified speech reproduction is to be installed within the works, and, with this system handling all internal traffic, the telephone switchboard will be freed to handle important incoming and outgoing calls.

Master stations will be installed at various points, and point to point communication will be possible through slave units installed in places like the raw mill, coal mill, atomisers, etc.

Voice reproduction will be clear and free of distortion, and will overcome the noise level in the more noisy locations.

Installation has already commenced and should be completed by May.

## COLLIERY NOTES

Miner K. Carey turned his car over (not seriously hurt) on the Oxley Hill Road. He is not back at work yet.

J. French turned his car over on the same road. Loose dressing at the side of this road blamed for both accidents.

A good time was had by all at the Miners' Annual Picnic (Medway Lodge), held at North Wollongong. V. Buckley won the Championship from favourite, K. Foodey.

Congratulations to Jim Murchie and Margaret Dempsey, who were married on Xmas Eve.

Congratulations also go to Mr. and Mrs. Max Thorpe on the birth of a baby daughter. Sister for Philip and Mark.

A new undermanager, Mr. A. J. Good, commenced work at the Colliery during February.

F. Armstrong is back at work after a week's Bowls in Sydney along with Bill Rutter, of S.P.C. Machine Shop.

Thanks go to Barney Ford, Colliery Gardener, who has the lawns looking a picture at the present time.

## MARULAN NOTES

To Mr. and Mrs. Geoff Cosgrove, a daughter, born on the 16th February. Names chosen are Margaret Anne. Congratulations to Geoff and his wife!

Karol Ohman has returned to work after a lengthy spell with a broken wrist. Best of luck, Karol!

An apology is to be made to Harry Hinton and Anne Hinton for not mentioning their wedding in the last edition.

The bride, formerly Miss Anne Nelson, eldest daughter of Roy Nelson, looked extremely attractive. The reception, held in the Marulan Memorial Hall was a credit to the bride's parents.

The new tennis courts at South are well on the way with Kevin Howard as supervisor. The courts have been top dressed and surrounding fences are under construction. Hear tell they are going to equip these courts with lights, which should help tennis in Marulan South.

Jack Feltham, wife and Jim (our Marulan Editor) are travelling to Coolangatta for their holidays. We hope to get a full report on the girl situation when Jim returns. Well, some of it, anyway!!

Max Johansen and mother are also travelling to Queensland for their holidays.

Eddie Read is going to Sydney for a few days and will spend the rest of his holiday touring the coast.

A shipwrecked sailor spent five years on a deserted island. One day he was overjoyed to see a ship drop anchor in the bay. A small boat came ashore and an officer handed the sailor a bunch of newspapers.

"The captain suggests," he told the sailor, "that you read what's going on in the world and let us know if you want to be rescued."



## STAFF CRICKET MATCH

Following are the results of a cricket match played between S.P.C. Marulan South Staff (plus the assistance of J. Mitchell and Mr. Hauber, of Berrima Staff) and a team of Quarry workers.

### Staff Innings

Tony Cosgrove .....	29
Lloyd Veal .....	24
Jim Mitchell .....	9
Mark Hauber .....	33
Kevin Howard .....	3
Cecil Cluney .....	8
Vince Cosgrove .....	0
James Feltham (not out) .....	27
Tom Sharkey .....	37
Ashley Cooper .....	0
Allen Chaplin .....	0
Alec McMurtrie .....	0
Sundries .....	17
<b>Total .....</b>	<b>187</b>

Bowling:—M. Cosgrove 3-48, W. May 3-14, K. Keegan 2-33, B. Bell 1-37, K. Bailey 1-1.

### Workers' Innings

Bert Barnfield .....	5
Brian Bell .....	12
John Penfold .....	27
Mick Cosgrove .....	0
Kevin Bailey .....	3
Ken Keegan .....	0
Keith Bell .....	9
David Owen .....	4
Frank Bell .....	5
Stan Murphy .....	5
Bill May .....	6
James Galloway (not out) .....	0
Sundries .....	6
<b>Total .....</b>	<b>82</b>

Bowling:—L. Veal 8-30, T. Cosgrove 3-16.

An oral examination was in progress. A professor picked on a dumb-looking character for his first question.

"Who signed the Magna Carta?"

No answer. "Who was Bonny Prince Charlie?" No answer. "Where were you on Monday?"

"Drinking beer with a friend of mine."

"How do you expect to pass this course if you drink beer when you should be in class?"

"I don't sir. I only came to fix the electric heater."

## Jap's Road Safety

Traffic police in Kobe, Japan, have distributed a translated version of the Japanese Highway Code for the benefit of tourists with cars.

Here are some extracts:

"On encountering pedestrians: When a passenger of the hoof hove in sight, tootle the horn trumpet to him, melodiously at first. If he still obstacle your passage, tootle him with vigour and express by word of mouth the warning: 'Hi! Hi!'"

"Animals on the road: Beware of the wandering horse that he shall not take fright as you pass him. Do not explode the exhaust box at him. Go soothingly by, or stop by the roadside until he pass by. Give big space to the festive dog that make sport on the highway. Avoid entanglement of dog with your spoke wheel.

"Slippery roads: Go soothingly in the grease mud, as there lurk the skid demon. Press the break of the foot as you roll around the corners to save the collapse and tie-up.

"On traffic police: At the rise of the hand of the policeman, stop rapidly. Do not pass him or otherwise disrespect him."

## It Puzzles Us Too!

The thing that puzzles all the men  
And gives the boss grey hairs,  
When the girls go to the powder room  
They always go in pairs.

Perhaps the trip is long and tough,  
The hall is long and lonely,  
But two by two they always go  
To the room marked "Ladies Only."

The poor boss stands and tears his hair,  
He's simply torn with grief,  
The day's production goes to hell  
While the girls go to their brief.

At two o'clock each afternoon,  
The march begins once more,  
What goes on in that room  
That cannot wait till four.

The only way that I can see  
To make production boom,  
Is to move the whole darned office  
Into the Ladies' Room.



# TRAVELLING ABROAD

By J. G. SCHOTT — Part VI

Leaving New York by train, a brief stay was made at Washington, D.C., the National Capital of the United States of America. We were indeed fortunate to be in this beautiful city with a population of 900,000 on July 4th, the celebrated public holiday of the year, known to all Americans as Independence Day.

The War of Independence ended at Yorktown in 1781, when George Washington's army merged with French troops under Lafayette, thus ending British dominance in America. Shortly after this the United States of America was formed and 13 States joined the Union and George Washington was elected the first President. The number of States in the Union has steadily grown until the number is now 50, the fiftieth State being Hawaii, and July 4th, 1960, the day of our visit, was the day that the new flag of the United States containing fifty stars was flown for the first time from the Capital Dome.

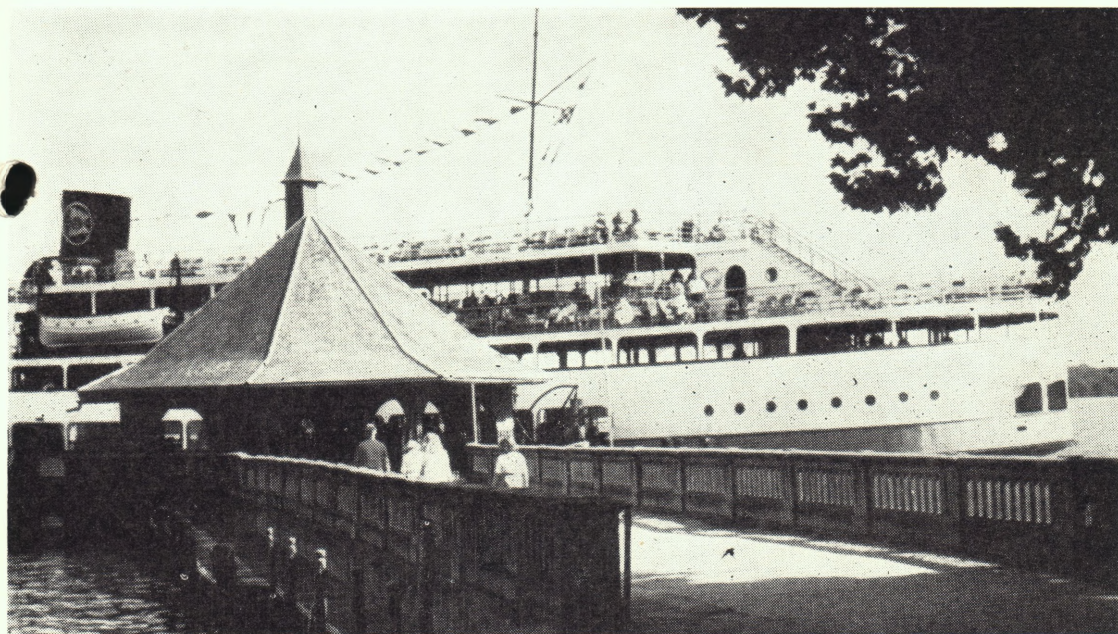
To see the capital in the short time available, we embarked on an all-day bus tour, returning to the city by ferry along the Potomac River. The Capitol Building, the home

of America's Parliament, was our first stop, and it is a fine building much like our Canberra Parliament House, only older and larger.

A short distance from here we came to the White House, the home of President Eisenhower (now President Kennedy's home), then across the Potomac River to the Marine Corps War Memorial. This huge work in bronze was dedicated on November 10th, 1954, "In honour and in memory of the men of the U.S. Marine Corps, who have given their lives to their country since November 10th, 1775." It depicts the raising of the Stars and Stripes on Mt. Suribachi, Iwo Jima, by five Marines and a sailor on February 23rd, 1945. Three of the six men were killed in the battle.

Further on we drove through Arbington Military Cemetery, in which is situated the tomb of the unknown soldier. Here we witnessed the changing of the guard.

After lunch at Hogate's Restaurant, which I am told is world famous for its fish dinners, we continued on to see the Washington Statue, the Jefferson Memorial and the Lincoln Monument.



*THE POTOMAC FERRY.*





*THE  
LINCOLN MEMORIAL.*



*THE CAPITOL BUILDING.*



*GEORGE  
WASHINGTON'S  
HOME.*



A stop was made at Alexandria, Virginia, to visit the beautiful old Christ Church where George Washington used to worship. The seat that he used is there to see with his name engraved upon it. Since his day many Presidents have worshipped there, including Truman and Eisenhower. Winston Churchill has also attended there when in U.S.A.

On a nearby hill is to be seen the George Washington National Memorial, modelled after the ancient lighthouse at Alexandria, Egypt. It was built by contributions from Masons throughout the country as a memorial to the first President. In one room is seen a collection of more relics belonging to George Washington, including his bedroom clock, which still points to the hour of his death.

One item that appeared to be missing from this collection was his little axe.

Journeying on, 15 miles south of Washington, we came to Mount Vernon, the old home of George Washington. This drive over the Mount Vernon Memorial Highway is an unforgettable experience. The old home is maintained in a fine state of preservation and the elegant furnishings of the house are indicative of its glorious past.

From this lovely home we joined a ferry which conveyed us back to the city of Washington along the Potomac River.

I left this city feeling that our tree-lined city of Canberra would look something like it in maybe fifty years' time.

### **CONVICT-BUILT COURT HOUSE . . .**

## **AUSTRALIA'S FIRST TRIAL BY JURY**

✓ 3 pages  
Not only is the old Berrima (N.S.W.) court house known as one of the finest examples of classic architecture in Australia, it is also regarded as the finest building in Australia entirely built by convicts.



*THE COURT HOUSE—COMMENCED 1839.*



This should be enough in itself to warrant the permanent preservation of the building, but it also has an additional claim to historic fame. It was in this court house that the first real trial by jury took place in Australia.

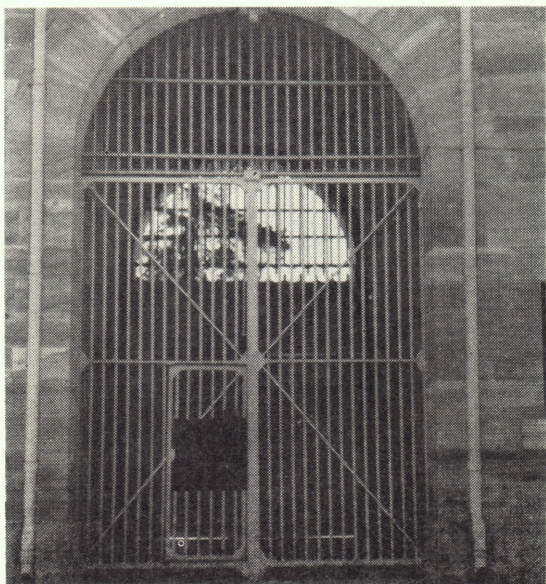
Up to 1839 there was practically a gubernatorial dictatorship in Australia, trials being conducted by military juries, the selection of which was largely in the hands of the Governor.

However, William Charles Wentworth took the matter up and it was due largely to his work, and that of his band of followers, that military juries were abolished and the system of trial by jury, as we know it today, was introduced.

### TRIAL BY JURY

One would expect to find that the first trial by jury would have taken place in a city court, but it took place in Berrima court house on April 14, 1841. The court on this historic occasion was presided over by Judge Therry.

Berrima court house is of Roman Doric design, with an entrance portico supported by four fluted columns. The main courtroom is 50 feet long and 30 feet wide and the whole building was entirely fitted out with solid cedar, such timber being plentiful and cheap in those early days. The building was commenced in 1834 and completed in 1838. The big gaol nearby was commenced at the same time as the court house, but was not completed until 1839.



*Inside looking out.*

Many notorious criminals were tried in this historic court, some of them to be taken a short distance across to the gaol to be hanged or else to spend years in what was considered the worst gaol in the country.

The first person to receive the death sentence in Berrima court house, and the first to be hanged in the nearby gaol, was the bush-ranger, Paddy Curran, who was hanged on October 21, 1841.

Only one woman was ever sentenced to death and hanged at Berrima. This was the notorious Lucretia Dunkley, who at one time had been the licensee of the Three Legs O'Man Hotel, a few miles along the road to Goulburn. The ruins of this old hotel can still be seen.

Other criminals who passed through both court house and gaol at Berrima were Thundebolt, Gilbert, Dunn and the Clarks, all bushrangers.

The construction of the railway which bypassed Berrima eventually made Goulburn the assize town and this led to the closing of the famous court house and eventually to the closing of the gaol in 1908. When war broke out in 1914, however, the old gaol was considered an ideal place to house the Germans who were interned.

When the war ended and the Germans were released, the old gaol was once again empty and became merely a place of interest to tourists, while the splendid court house served the little town as a School of Arts.

The old gaol was officially opened as a Training Centre by His Excellency The Governor of New South Wales, Lt.-Gen. Sir John Northcott, C.B., M.V.O., on 19th November, 1949.

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## PERSONAL PARS

Wedding bells chimed for young Brian Moore on Saturday, 25th February, when he married Beverley Perkins of Avoca. Congratulations, Brian, and best wishes.

Another to take the big plunge is John Long. He will marry Betty Jeffries on Easter Monday. Congratulations and best wishes to you, John! !

George Morrison, of the electrical department, is confined to Bowral Hospital after a sudden attack of ill health. All S.P.C. workers wish George a speedy recovery.





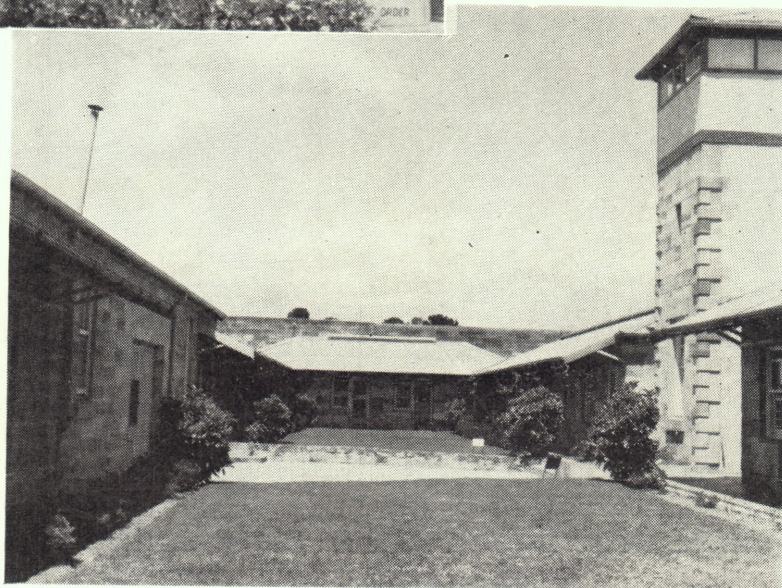
COURTYARD & BASKET-  
BALL COURT.



MAIN ENTRANCE,  
BERRIMA GAOL.



ONE OF THE COURT-  
YARDS WITH GUARD  
TOWER ON RIGHT.





# OUR TRIP TO ADELAIDE

By IAN MACKEY and G. CAREY

After covering 2,467 miles around the border of Victoria and into South Australia in two weeks, we can recommend a beautiful touring holiday for anyone wishing to see the southern portion of Australia.

Having mapped out a travelling schedule, we left Bowral on Saturday, 7th January, and spent the first night at Albury, which is situated on the N.S.W. bank of the Murray River, about 250 miles from Bowral.

Next day we undertook to travel the long distance of 393 miles to Mildura, following the Murray River over very flat, dry country, along a bitumen road like an expressway. Mildura is a very nice town with a very hot summer—over 100 degrees when we were there.

Renmark was our next port of call after crossing the Victoria-South Australia border. We then travelled into the real irrigation areas and through beautiful grape growing Barossa Valley, which, we agree with a recent article in the S.P.C. Newsletter, is really worth seeing.

Pushing on to Adelaide we travelled over flat grazing country, the next main town being Gawler.

Adelaide, called the "City of Churches," is by far the most beautiful city in Australia. Verdant parks and reserves are scattered in and around the city, and, with all the hot weather Adelaide receives, are very welcome places of retreat, but anyone wishing to go surfing has to travel about 5 miles.

If any time is spent in Adelaide, there are many day and half-day tours to mountain resorts and coastal towns around Adelaide.

We left Adelaide on Friday, 13th January, and headed for the well-known town of Mount Gambier. Mount Gambier is spectacular because it is at the base of two large volcanoes which have been extinct for 12,000 years. Situated in one of the craters is a lake known as the "Blue Lake." For several months of the year it is a very brilliant blue, hardly believable until seen with your own eyes.

The town's water supply and all irrigation is pumped from the lake all the year, and



THE BLUE LAKE AND LEG OF MUTTON LAKE.





*SANDSTONE FORMATIONS AROUND THE COAST.*

its most sensational aspect is that the level never drops an inch. It is filled by some unknown source, presumably an underground river. The deepest part of the lake is 672 feet, and it has an average depth of 267 feet. There are many limestone caves around Mount Gambier.

We continued our journey along the Great Ocean Road, following some of the most beautiful and rugged coastline in Australia. Along the coast are formations of sandstone, weathered during the years by heavy seas to create arches and small islands.

Geelong, our next stop, is a large city and one of its most notable sights is the large shark-proof swimming pool built out in the bay.

Whilst in Geelong we had the pleasure to be shown over the Geelong Cement Company by a friend who is on the staff. This plant is very similar to Berrima in size, although it has six kilns. It is situated only two miles from the city and therefore has to have some means of combating the dust which comes from the kilns. The largest kiln stack is approximately 350 feet high, and on some of the kilns they have installed electrostatic precipitators which reduce the dust to a

minimum. The 40 miles to Melbourne from Geelong is travelled very quickly over a four-lane highway.

Melbourne, situated on the Yarra River, has many scenic spots, including the Music Bowl, Remembrance Shrine, Government House, Albert Park Racing Circuit, and a new floating Heliport to receive passengers embarking from Boeing 707's, 7 minutes after leaving Avalon aerodrome, 12 miles away.

Leaving Melbourne for Orbost on Thursday, 19th January, we passed from undulating grazing country to thick timber growth. Travelling from Orbost to Eden on this stretch we encountered about 70 miles of gravel, but a good speed could be maintained as the road was quite sound.

After travelling for the fortnight in heat-wave conditions, we returned home to be greeted by a Robertson fog.

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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.



# — SPORTING NEWS —

By JACK MOTT

## CRICKET

Rain washed out the match that was to have taken place on Sunday, 19th February, between the Under 40 and the Over 40 cricketers. A lot of interest was shown by both teams and no doubt all are looking forward to fine weather for March 12th, the day set down for the postponed match.

Much more interest is shown in social cricket at the moment, and there is a game organised for each Sunday until the end of March. On the Sunday following the Under 40 and the Over 40 match, Marulan Quarry will visit the cement makers for a social game. In past years this game has always been a keen one, and this year should be no exception.

Alby Allport, after a month off with a leg injury, showed by his performance against the Moss Vale Colts team that he has regained his bowling form by finishing with 5 for 28. Good show, Alby!!

## BOWLS

Fred Armstrong and Bill Rutter again attended Country Week, but were not successful in bringing home the big prize as they did last year, nevertheless, both reported having a very good week of bowls and being treated in first class style.

John Fuller also took part in the Country Week pairs competition but, like Bill and Fred, did not bring home a prize.

Alwyn Counsell's team in the Moss Vale trophy final went very close to victory, but were just beaten by Ray Madden's team from Bowral by two shots. A good effort and well worth the trophy received as runner-up.

Harold Sheather played right up to standard when he came from behind to defeat Sam Fleeton in the quarter final of the Minor Singles Championship. This victory must put Harold well in the running and we wish him luck in his future matches.

## FOOTBALL

The annual meeting of the Berrima Football Club was held on 5th February, and most officials were re-elected for the coming season. President (A. Bender), Secretary (Barry Moore) and Treasurer (Ted Elton) form a trio of good workers and the club is

sure to function smoothly under their guidance.

The club will enter a reserve grade team in the Group 6 competition, and if they do as well as at the latter end of last season, their presence will be felt.

Ken Mott has been chosen as one of the young district players to attend a coaching school to be held in Moss Vale for one week of next month. Norm Provan, the coach, should bring out the best of some of the young players.

## BASKETBALL

The District Annual Meeting has been held and it would seem that this sport is to be even more popular than last year. S.P.C. is entering two teams in the district competition and several trial games have shown good form, so we look forward to the green and red singlets having a good season. Anyone who desires a game should contact Ken Mott so that the uniforms can be ordered.

## TABLE TENNIS

Berrima's three teams are having their share of wins and performing well. No. 2 team defeated Bowral 12 to 0. This sport seems certain to have a bright future in the district. One of its most attractive points is that it is inexpensive.

## TENNIS

Both Medway and Berrima's "Hillside" club are assured of a place in the first final in the current B grade competition. If they should meet in the final, which is quite on the cards, a keen match with plenty of local interest is assured.

Jim Middleton's A reserve team, "Argunyah," is running third in the competition, and looks like qualifying for the finals. Best of luck, Jim.

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Woman: "I'd like to get some cigars for my husband."

Clerk: "Do you want them fairly strong?"

Woman: "Yes, please, the stronger the better. The ashes kept breaking off the last ones he had."



# FISHING NOTES

## Shades of Kelly!

Speaking to a salt water angler recently, I got a good idea for trout fishing. Now, this story concerns an interstate episode, and does not refer to any of our local acquaintances!!

This certain gentleman was in the Army during the recent war, and stationed in Victoria. He was in the Hygiene Division (I think that's what he called it!), and included in his list of duties was the emptying of blow-fly traps from the Mess.

Being near a river, he had a brain-wave. Why not throw them in the river? Next opportunity, a trap was emptied in the river. Whoosh! What was that? A great swirl, and all the blowies had disappeared! Now that's funny, there must be FISH in there! More blowies, more action! Right, there ARE fish in there!

The next move, of course, was to assemble the necessary. No tackle being available, a Ned Kelly was constructed, consisting of a 10ft. bamboo chopped out in the scrub, and about 8ft. of cord with a small hook attached. The drill was as follows:—

Thread three blowflies on the hook, throw a handful of flies in for burley, then make a cast in the middle of the schmozzle!! Bang! Let him go to the end of the rod and cord, then up she comes, and a 9lb. trout is flapping on the bank. This is continued until the maximum bag is procured. The officers' mess, of course, benefits accordingly.

I would like to mention that he gave me his assurance that the daily bag was never exceeded!! Now you leave Mr. Kelly alone, he knows what he is doing!!

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# GARDENING NOTES

By C. C. Crowe

**FLOWERS.** — SOW: Antirrhinum, Aquilegia, Calendula, Canterbury Bells, Candytuft, Carnation, Delphinium, Eschscholtzia, Forget-Me-Not, Gaillardia, Gypsophila, Larkspur, Linaria, Lupin, Mignonette, Nigella, Stock, Sweet Pea, Wallflower.

**PLANT:** Bulbs, such as daffodils, Freesias, Hyacinths, Ixias, Jonquils, Nerines, Tritonias, Watsonias, Anemones, Ranunculus, Tulips, Sparaxis, etc.

**VEGETABLES.**—SOW: Broad Beans, Carrots, Parsnips, Peas, Silver Beet, White Turnip, Cabbage, Cauliflower, Leek, Lettuce, Onion.

**PLANT:** Eschalots, Garlic, Potato Onion.

March is the month when the greatest amount of preparation is made for the reception of spring-flowering annuals.

All summer-blooming annuals must be taken out towards the end of this month, and the ground dug and manured in readiness for the spring-flowering seedlings.

Remember that primula, lobelia, viola, pansy, forget-me-not, primrose, polyanthus, foxglove, English daisy and wallflowers do best in the sheltered spots in the garden, while stocks, linaria, antirrhinum, calendula and carnations do best in open, sunny positions.

**English grass lawns** should receive attention now. Dig over any weak areas and re-sow them. The seed should germinate quickly now.

Gladioli corms should be lifted six weeks after flowering, with all growths attached, to dry off slowly. When dry, clean off the dead outer skin, and store on a dry shelf or on trays.

Watch out for pests and diseases and use suitable control measures.

Remove all spent vegetable plants from the plots, and if they have suffered from disease, burn them, if not put them on the compost heap.

Any mildew present in either vegetable or flower garden, should be dealt with by either dusting or spraying with a fungicide.

Pick up and burn any fallen fruit, including ornamental peaches and crab apples. This will help to control Fruit Fly and Codlin Moth.

**COTONEASTERS** in variety: Evergreen Berry Shrubs without thorns, ranging in height from a few inches to 10 feet. Small pink or white flowers, followed by bunches of red or orange berries carried on long, arching branches. Berries are held right through the winter unless eaten by birds.

**CHERRY SLUG:** Small slug-like larvae of one of the saw-flies. Attacks cherry trees, pears, plums and hawthorn trees and shrubs. Eats the green or purple upper surface of the leaves, leaving skeleton leaves, so that the shrub or tree has a brown appearance. Spray with Arsenate of Lead, or "Bugetta," or any reliable caterpillar killer.



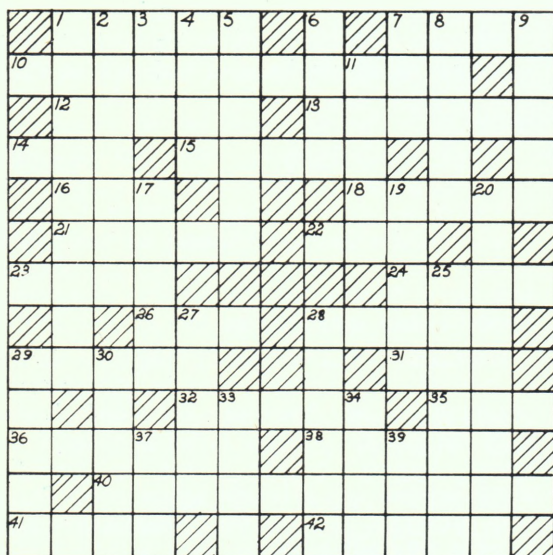
# — PUZZLE PAGE —

The result of Problem No. 24 is shown at right. Lucky winner this month was Bert McIntosh of the Drawing Office. Congratulations, Bert.

## PROBLEM No. 25

### Across:

1. Squad
7. Tool
10. Interchange
12. Play without expression
13. Multiply by three
14. Country
15. Wash
16. Climbing vine
18. Disagreeable
21. French river
22. Prohibit
23. Round flat plate
24. Port of Normandy
26. Head covering
28. Females
29. Rose extract
31. Grow old
32. One who wastes time
35. Returned Soldiers' Association (Abbr.)
36. Weapon
38. Rescues
40. Explains figuratively
41. Labour
42. Feel



P	A	R	T	I	C	L	E		S	P	A	R
O	L	E	I	N				A	C	T		U
S	T	A	R	T	S			T	A	R	T	A
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### Down:

1. Cynic
2. Music intervals
3. Title
4. Urge
5. Expensive fur
6. Performs
7. Devoured
8. Obligations
9. Foe
11. Sporting enclosure
17. Lily-like plant
19. Perfume
20. One of the United States
25. Laments
27. Character in "The Tempest"
28. Wrenches
29. Pointed shaft
30. Large mammal
33. Trash
34. Uncommon
37. Same (Scot.)
39. Vehicle



P8

# SPC

Vol. 3, No. 4  
APRIL, 1961

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**MONTHLY NEWSLETTER**

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SOUTHERN PORTLAND CEMENT LTD.

MARULAN — BERRIMA — MEDWAY — SYDNEY



# S.P.C. MONTHLY NEWSLETTER

*Distributed Monthly by:*

**SOUTHERN PORTLAND  
CEMENT LTD.  
BERRIMA, N.S.W.**

● **EDITOR**

*M. D. Hauber*

● **PRINTERS**

*Grant & Walker Pty. Ltd.  
7a Norton Street, Leichhardt*

● **ALL CORRESPONDENCE  
AND ENQUIRIES TO:-**

*The Editor  
S.P.C. Monthly Newsletter,  
PBS 4, Moss Vale*

● **COPY DEADLINE**

*1st of the Month*

Vol .3, No. 4

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MEDWAY COLLIERY .....	R. JONES

## - Contributions -

GARDENING NOTES .....	Mr. C. CROWE Berrima
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# EDITORIAL

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Dear Readers,

Hopes were running high during the month, when the "green" light shone for 30 days and things looked promising for a good run in the safety race.

However, the race came to a standstill at 35 days and the "red" light glowered at us from the safety board to herald yet another lost-time accident.

Most of us here in the office are looking forward to moving into the New Works Office, and by the time this issue reaches you we should be installed in our new surroundings.

Prominent on the list of requests for extra comforts in this building was a motorised swivel chair for the W.M. We doubt, however, his chances of getting a licence for it, as he would be bound to clobber Wally Parsons, whose sprint to the morning conference is a regular occurrence.

Some readers may have noticed in the Daily Telegraph of 29th March, a photo of the existing Berrima Bridge and a par below referring to two dates carved in the stone piers—1860 and 1898. These dates do, in fact, refer to the bridge's construction as stated.

However, we were able to get some first-hand information on the actual facts about these dates from Mr. Jack Schott, whose father worked on the construction of the second stage in 1898.

The first stage, commenced in 1860, was a low level single lane affair without the bracing structure which exists today. The bridge was found to be poorly placed, due to high flood levels in the river, and in 1898 work commenced to raise the level to the existing height by adding to the piers and renewing the top structure.

The new double lane bridge being built beside the old one is expected to be opened in a month.

Already we are seeing the nice warm days of summer fading away into autumn and no doubt the cold winter will be with us before very long and everyone will be looking for a job under the kilns.

Until next issue,

Yours,

THE EDITOR.

ALL FOR SAFETY  
SAFETY FOR ALL

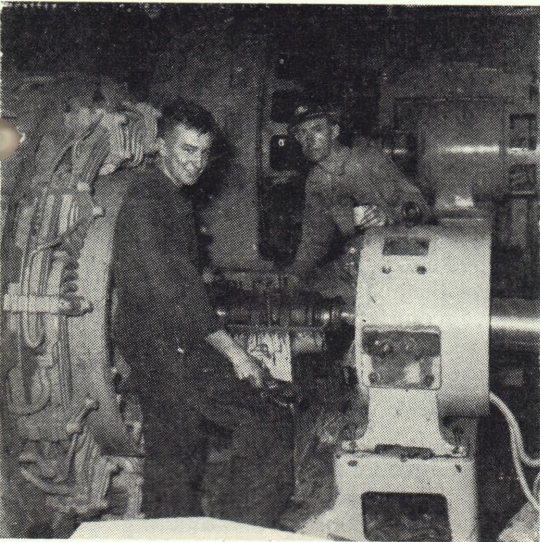
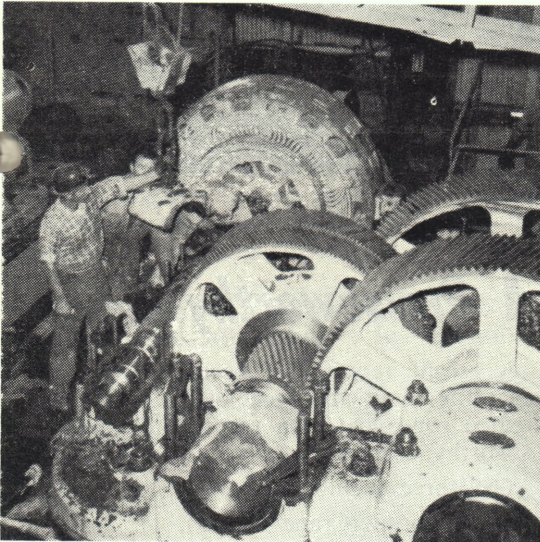


# PLANT JOTTINGS

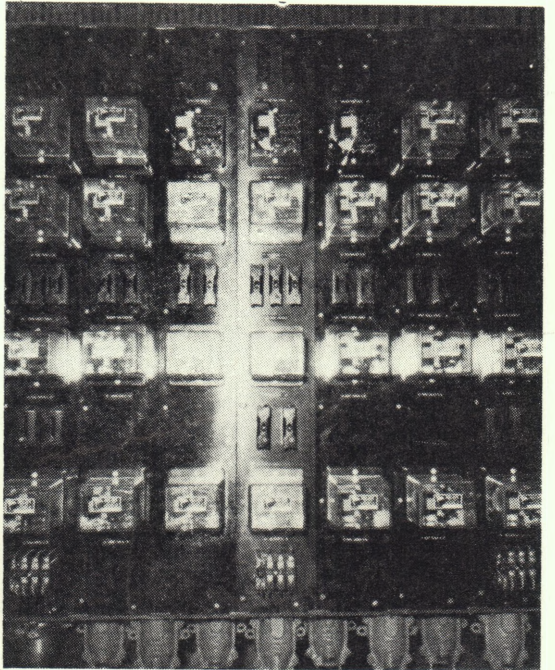
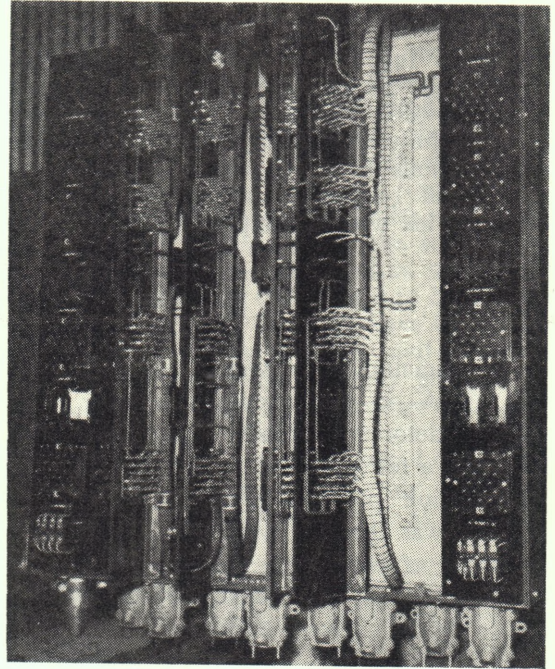
No. 2 Raw Mill has been undergoing a major overhaul during the month.

The internal components of the gearbox were replaced and the 750 H.P. motor received an "A" overhaul.

Pictured below we see two stages in the reassembly of the gearbox and motor.



Pictured below is a relay panel which was designed by David McLaren, of the Electrical Shop. The panel, which is 4ft. x 4ft., houses



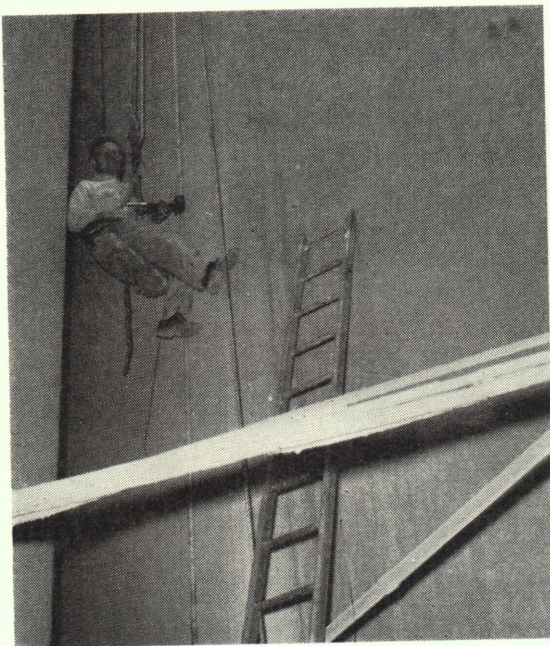


28 relays which operate different circuits on No. 4 kiln. Each relay performs a different function and in the event of failure of any one relay, replacement can be effected with only one unit, a feature which has not been possible in the past. The relays are the plug-in type and were developed by R.P.L. Relay Co. by request of A.I.S.

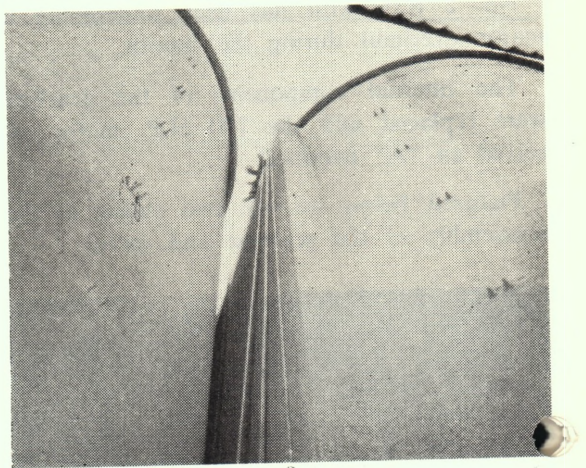
Herbert Ingolitch was responsible for the manufacture of the panel and a total of over  $\frac{1}{2}$  mile of cable was used. These cables have been carefully laced into groups and a colour code prevails in each group. Herbie spent only about 14 days on this job and it is a credit to his workmanship and the Electrical Shop.

\* \* \*

The communication system being installed by A.W.A. is progressing favourably. The sub-contractors responsible for the cabling have had a few problems to overcome regarding erection of their pipework. One such problem was speedily overcome with the able assistance of our riggers. A pipe had to be fixed to the side of one of the cement silos and a bosun's chair was brought into use slung from the top. The next two pictures show the set-up with Tom Aitken astride the



top of the silo and one of the contractors, John Wearne, in the chair.



## ***A Praiseworthy Record***

A recent report has been handed to me regarding three employees of S.P.C. who have created somewhat of a record and one which is worthy of praise.

The three members are:—

S. Thorpe (Crane Driver).

A. G. Fairbairn (Contract Bagger).

R. B. Tickner (Contract Bagger).

The report referred to concerns the number of days sick pay each man has had during his employment with the company.

Stan Thorpe has had NO sick pay in 12 years, George Fairbairn has had 112 hours in 13 years and Tim Tickner has had only 16 hours in 13 years.

We are not quoting these examples as a record as there may be others who can better this effort; if so, let's hear about it!!

Notwithstanding, Stan, George and Tim deserve congratulations for their fine attendance record.

A small boy visiting New York City for the first time, went in an elevator to the top of the Empire State Building. As he shot past the 62nd floor at breathtaking speed, he gulped, turned to his father and asked: "Daddy, does God know we're coming?"



# TRAVELLING ABROAD

By J. G. SCHOTT — Part VII

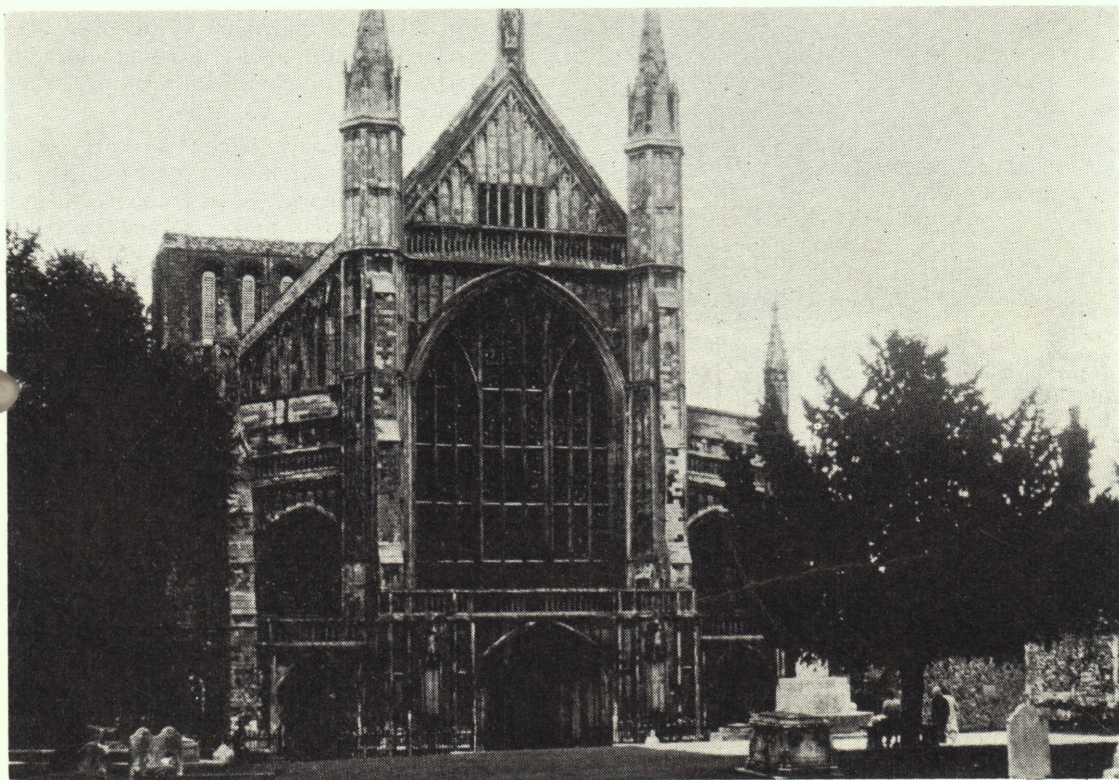
Leaving New York at 10.30 a.m. on 9th July, 1960, we moved our watches on five hours and landed in London at 10 p.m., the same day. We flew in a Boeing 707 fitted with 4 Rolls-Royce jet engines, which is the larger version of the Boeing passenger aircraft. The flight was a pleasant one, out across Nova Scotia and Newfoundland, after which we flew above the clouds until near London. It seemed strange to be flying over England in semi-daylight at 9.30 p.m.

The sky over London was grey and drizzling, but that was what we expected London weather to be like, and it didn't matter. Nor did it matter that from the plane, the vast sprawl of the city looked murky-grimy. What mattered was that London should be like the London we had looked forward to meeting and recognising.

After landing, the customs people did not open our bags, just asked a few questions,

looked at our British Passports and waved us into an airport bus.

The pleasures and recognitions began for us in the bus from the airport to our hotel in London. There they were, the pubs called the Horse and Coaches, the Royal Oak and the Hampshire Hog. There they were, the big, red double-decker buses with destination signs that said Tunbridge Wells and Twickenham and South Kensington. Also to be seen were the big, black London taxis, the stations of the Underground, the newsvendors selling the Evening Standard. It didn't have to be beautiful to be wonderful, it didn't have to be the London of Westminster Abbey and Berkeley Square—not yet. I felt absurdly gratified at just running through ugly Hammersmith and down Kensington High Street and greeting Guinness posters as I came into London on that drizzly late evening of July that was supposed to be summer. Just as the bus



WINCHESTER CATHEDRAL.



drew in to our destination I saw an advertisement for food with the wording "Australia sends her best to Britain." I found myself hoping the advertisement was true.

Next day we walked through Hyde Park and on to Buckingham Palace, here to discover that the Queen was away at Windsor Castle and the changing of the Guard was not witnessed by us. Later we were told that when the Queen is away, the changing of the Guard is performed at St. James Palace. We moved on to view the Houses of Parliament beside the Thames and Westminster Abbey. At the Abbey we came in by the West Door and walked right through, along the nave, which is the loftiest in England, looking up at the beautiful fan vaulting tracery, on past the altar and Edward the Confessor's Chapel, right through to what impressed me more than anything else, the Henry VII Chapel. This has been described as "the most beautiful chapel in all Christendom." It is a place of poetry in stone and bronze, with such

end, is the finest of all evocations of the spiritual Britain.

The Abbey is full of monuments, and in the Poet's corner, busts are to be seen of Macauley, Handel, Chaucer, Browning, Wordsworth and our own Australian poet, Adam Lindsay Gordon.

During the war, bombing flattened one-third of the city section, not that you would think so now. It destroyed twelve of Sir Christopher Wren's churches, but his great church, St. Paul's, still stands, and the huge dome that crowned Wren's design for the "new" St. Paul's, finished in 1710, is a London landmark, and the largest in the world after Michelangelo's dome on St. Peter's in Rome.

A car trip to Windsor Castle and on to Oxford was of great interest, as it gave us a clear view of the beautiful, green, rolling English countryside, and a short launch trip on the Thames at Henley gave us a glance at some beautiful English homes situated along the river.

Winchester and Salisbury Cathedrals were visited, and it is hard to realise that they are 700 years old, and yet today they are so beautiful. In the Salisbury Cathedral is a clock which is the oldest existing clock in England, and is in complete working order. It was made in the year 1786.

Salisbury Cathedral, which is down south in Wiltshire, is not just another cathedral, but a lovely landmark also. It is the cathedral that Constable loved to paint, and probably it is the most painted and photographed cathedral in England and has the tallest spire.

Ten miles out, on Salisbury Plain, we parked the car and walked across to where twenty-odd monolithic stones, still standing among some fallen ones, mark what could be regarded as the ruin of a Stone Age cathedral. This was Stonehenge, the most famous of Britain's ancient monuments.

Archaeologists now think that the setting up of Stonehenge dates back three thousand seven hundred years. A number of stones are thought to have come from two hundred miles away in Wales and stones up to 45 tons in weight are in the collection. It was assumedly a place of worship because certain stones were in line with the rising sun at the winter solstice.

During a trip to Barrow-in-Furness the new liner, "Oriana," was seen being fitted out for the Australian run, and a chance was



ST. PAUL'S CATHEDRAL.

heraldic colours in the banners of the Knights of the Bath with which the chapel is hung. This, with the chapel and stained glass window of the Battle of Britain airmen at its



given for us to see the Lakes District of England.

This district, which is 35 miles square, is one of the enchanting sights of England. There are to be seen the beautiful lakes of Windermere, Coniston and Bathmere. At the small village of Newlands we had a close look at some of the stonework that had been fascinating us during this tour of the lakes. It

is a granite-like stone of various greys, wonderfully put together without mortar in long, uneven slabs to form cottages and fences, and is attractive in character and extremely durable. At Grasmere, we paused to view Dove Cottage, the home of the poet Wordsworth, and today a Wordsworth Museum.

Next month I will move on and tell you a little of our tour of Denmark, Germany and France.



*"STONEHENGE," one of Britain's famous ancient monuments.*

## **TALES OF ADVENTURE**

# **A TRIP TO REMEMBER**

FROM HOBART TO BATHURST HARBOUR

For sheer splendour, the Apple Isle provides some of the most scenic wonderlands in the world.

Cruising around the stormy, rock-bound coast of south-west Tasmania is hazardous at any time. The whirling westerlies which rage almost ceaselessly in this area of the "roaring forties" can often make things more

than a little uncomfortable. But if one wishes for the comfort of home it is only momentarily, for the pleasant parts of these trips usually far outnumber the unpleasant ones.

Tasmanians are lucky in that the southern part of the island has been endowed with waterways and cruising areas second to none in the world. There is the mild climate of



the east coast with excellent harbours; to the south-east lies Port Arthur, and further on is Cape Pillar and Tasman Island, with Munro's Bight and other anchorages where fish are plentiful.

It is the western way, however, that holds most attractions for the true adventurer, although few craft venture into the fickle waters of the extreme south-west.

Along this western coast, harbours are few and storms sudden. On many occasions boats have been forced to lay up in Recherche Bay, the last safe anchorage before the run round the South-West Cape, vainly waiting for the weather gods to provide a favourable slant to Port Davey—mecca of most Tassie yachtsmen.

Port Davey itself abounds in safe and sheltered mooring grounds; Schooner or Bramble Cove, Kelly's Basin and Casilda

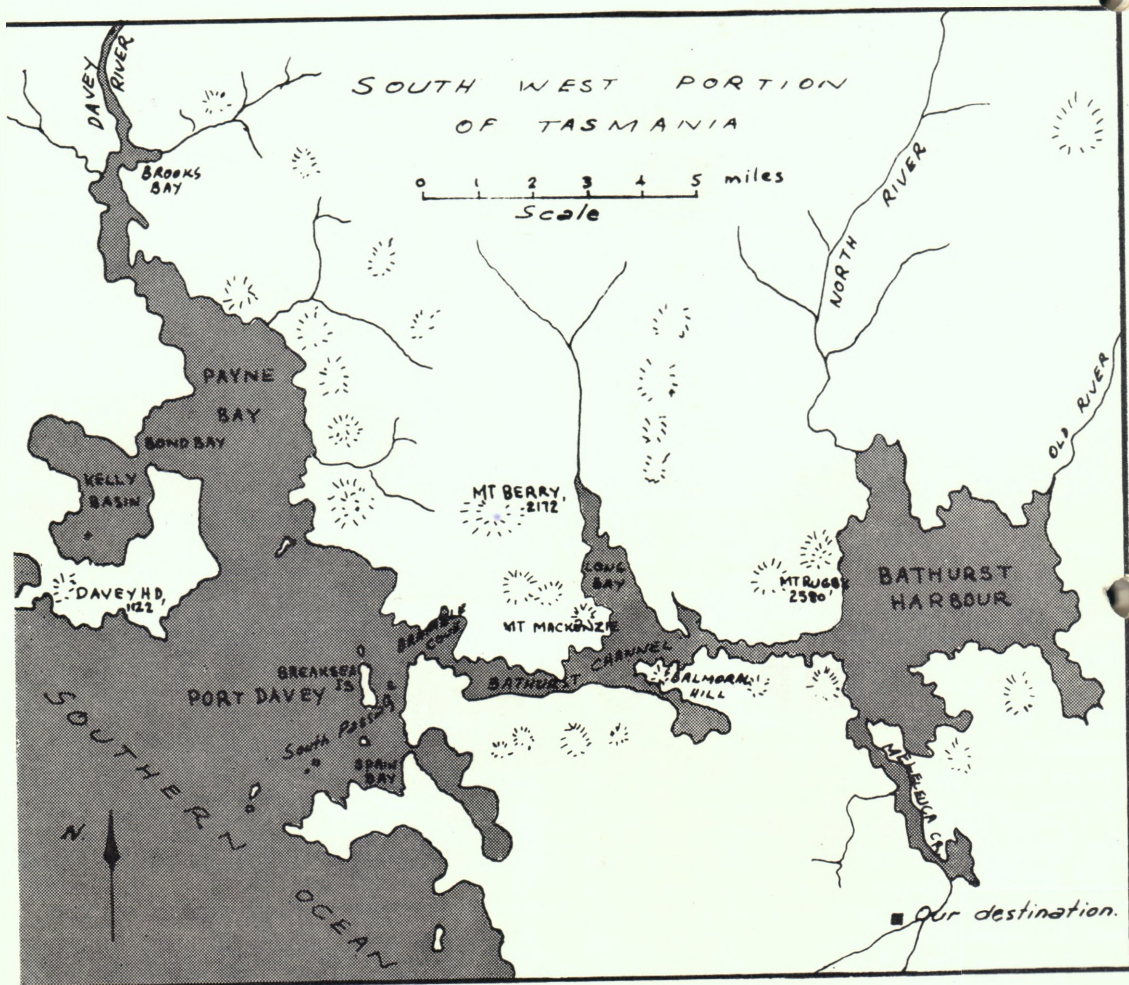
Cove; once in these, however, it is sometimes impossible to get out again because of bad weather.

Our trip was one of necessity, brought about by a set of circumstances which would be another story entirely. Suffice to say that we needed to charter a boat in a hurry and make the trip from Hobart to Melaleuca Inlet, which is situated on the southern shores of Bathurst Harbour.

We left our moorings at Bellerive at 1000 hours, on 2nd February, with the ultimate hope of reaching Port Davey late the following day. However, knowing the treacherous coast with its swift changes of weather, this hope lay in the lap of the gods.

Our craft was a 42-foot crayfish boat, powered by a 70 H.P. diesel, capable of pushing us along at a steady 9 knots.

Our first leg took us south along the beauti-



A SCALE MAP OF THE AREA.



ful Dentreasteaux Channel, passing Bruny Island and the entrance to the famous Huon River, which winds its way through the rich Huon Valley.

Passing Southport we sighted the break on the submerged rock upon which the ship George III was lost with 134 souls in April, 1935. The Actaeon Islands are situated to the south-east of this rock, and many ships have been wrecked on the reefs which lie between them and the western shore.

We tied up at the Timber Wharf in Recherche Bay, site of a once prosperous timber mill handling the huge logs from the forests in this area.

The glass had dropped a little and the big seas running outside gave small promise of making a departure the following day. We turned out early, and as the wind was still from the S.-W., decided to make a trip around the various inlets close to Recherche, returning late in the afternoon with a nice haul of barracuda which we had picked up on the way.

A quick trip across country the next day to South-East Cape revealed a heavy sea running and the glass showing no sign of changing.

A week of inactivity awaiting a favourable day soon put edge on the nerves of everyone aboard, and so it was with light hearts that we awoke at 0300 hours on the 9th February to the beat of the diesel taking us out of the

bay and into the teeth of the slightly abating sou'wester. By 0900 hours it was obvious we weren't going to make it. With full sail on a starboard tack and the help of the 70 H.P. diesel we were getting precisely nowhere —1100 hours saw us back at the Timber Wharf!!

Next morning, however, the glass was on the way up, and by daylight we were well on the way, sighting Pedra Blanca and Eddystone Rock, 17 miles out to the S.-S. east. These rock outposts are of interest, as Pedra Blanca was so named by Tasman in 1642, for its close resemblance to a rock on the China Coast; Eddystone was christened by Captain Cook in 1777.

The De Witt Island loomed ahead as we steadied across East Cape Bay, with Maatsuyker Island lighthouse still blinking its friendly warning.

The seas of Tasmania's S.-W. coast are rich in maritime history, and there are few parts of the coast where ships have not been wrecked at some time or other. Sailing craft landed up there in the early days of the century; several steamers also have met their end in later years.

At 0900 hours we were abreast of the dreaded S.-W. Cape, which is usually given a wide berth by fishermen. The sea was smooth, the wind still light, there was a fast tide which set us back a little, but even so



*COX'S BIGHT, S.-W. TASMANIA.*



we sighted the Big Caroline Rock abeam at 1100 hours.

At 1240, after an uneventful passage, we took the southern passage between Breaksea Island and the mainland and anchored in the lee of the island, where we transferred to the dinghy for a quick mutton bird expedition onto the island.

After making a good haul we commenced the passage through Bathurst Channel, fascinated by the rugged scenery and the uninhabited atmosphere of the area.

This country is of great interest to geologists, due to the formation of the rugged, white-topped quartz mountains. Stretching away in some places are endless button grass plains, amid which the main fiords provide a wonderful home for the numerous ducks and stately swans, rarely disturbed by man.

I am sure there is no waterway in Australia to compare with Port Davey for sheer grandeur. Except for one family and a few prospectors, this vast area of country with its great mineral wealth is as uninhabited and as inaccessible as when Captain Kelly explored it one hundred and fifty-four years ago. The only regular visitors to the shores of Port Davey are the crayfishermen who seek the protection afforded by the snug bays and inlets, from the wild seas which frequently rage outside.

Reaching Melaleuca Inlet we visited the King family, whose guests we were to be for some weeks whilst carrying out our duties there.

In Port Davey wrecks of many whaling ships and their small craft have been recovered; most vividly remembered are those of the Brier Holme, Acacia and Alpid. There was only one survivor from the Brier Holme disaster on 6th November, 1904, and he was not located for 3½ months. Suffering from scurvy, he had lived on tinned food obtained from the wrecked ship before she broke up.

Acacia was a wooden barque, of 233 tons, registered at Hobart with a local crew. Last reported by Maatsuyker Island on 21st June, 1904, as heading west in heavy weather in the direction of Adelaide, Acacia and her crew disappeared completely for seven months; grim discovery was several bodies on the beach, also a chest bearing the name of one of her crew.

There were six survivors from Alpid, wrecked on 10th October, 1907. These walked overland to Cox's Bight and rode 10 miles in rough, open sea in a leaky prospector's

punt to Maatsuyker lighthouse. A search for the other survivors revealed only the body of the captain at Bond Bay.

A delightful trip up Springy River revealed some magnificent scenery. Mooring the boat we went on to the head of the river in the power dinghy; the river (a little wider than the dinghy) wends its way through myrtle, celery top and isolated Huon pine forest.

Returning to the mother ship we moved across to Mt. Kenzie, where we went ashore and saw the grave of Critchley Parker, Jr. Parker died from starvation in 1942 on a trek to Fitzgerald, through a 50-mile barrier of almost impassable bush. Parker had kept a diary up to the day of his death and apparently had lived on Aspros for the last few days.

In the Davey River the old pine areas are still standing, where the logs were brought down at flood time and penned up till a ship was available.

Kangaroo, wallaby and badger abound around the shores of Bathurst Harbour and countless swan and wild duck are to be found on all the waterways. Trout are to be found in most of the small streams, although scale fish are rather scarce on the coast.

All in all this wonderland has to be seen to be appreciated, and the visitor who gets the opportunity to see it can count himself amongst the very few who have witnessed the beauty of this remote south-western corner of Tasmania.

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## PERSONAL PARS

### BERRIMA

Congratulations to Mr. and Mrs. Harold McDonnell on the birth of a son, Colin James, on Monday, 13th March. Both mother and son are now home and doing well.

Helen, daughter of Mr. and Mrs. Bill Remington, has announced her engagement to a Bombala lad, Barry Hines. Congratulations and best wishes for the future, Helen!

Lilly and David McLaren are the proud parents of a son, Bradley Kim, born on Thursday, 16th March. The expected day was back in February and David had done a certain amount of finger nail biting until the happy event took place. Congratulations, Lilly and David!!



We have noticed that S.P.C. is well represented on the Moss Vale Golf Club committee, with the election of Ernie Radnidge, Bert McIntosh and Liol Bush at the recent meeting. These three players have been very keen golfers over the last twelve months and all three have been striving to lower their handicaps with some good scores.

Our Works Manager departs on 2nd May for his annual holidays. Len has again selected Lord Howe Island for a restful three weeks. By all accounts this island paradise is an ideal spot at that time of year, with a mild summer temperature prevailing almost all the year.

Best wishes for a happy holiday, Len!!

Bob Magnus has been missed at the ridge table in the lunchroom. Bob has been holidaying in the north and his place at the table was filled by a stand-in who found the game a little tricky. Welcome back, Robert!

Workmates were inclined to doubt the word of Bobby D'Adam recently when he related an experience which took place in the Works. Whilst cutting the hedge adjacent to the machine shop, Bobby was amazed when a black duck took flight from out of the foliage. Numerous theories were expounded on the reason for this duck roosting in the hedge. Bobby, however, was not quick enough to get himself a duck dinner.

Most of you no doubt will remember Leon Izard, who was with the company for 20 years. A recent report from Queensland shows that Leon's daughter, Karen, is turning on some spectacular swimming up north. During February in the sub-junior division, Karen took all four titles in four amazing swims. She equalled the club record in the first swim and a few minutes later followed this by setting new figures for the backstroke event.

In March Karen repeated her fine performance to gain the honour of the best individual effort of the night. She contested all five of the sub-junior women's events for a remarkable four firsts and one third.

A fine performance by a young swimmer, congratulations, Karen!!

John Wrightson seems to be settling down in his new surroundings at the Australian National University. From a recent letter to

his family we have learned that John is having a wonderful time meeting students from all walks of life and different nationalities. Best of luck, John, for the future!!

Bill Brooks has recovered after being bitten by a funnel web spider. The bite gave Bill a rather torrid time, but quick medical treatment was the answer in this case. It is also recorded that the spider died a sudden death after Bill's treatment of it.

Fred and Mrs. Robjent are the proud parents of a son born in Sydney during the month. Both mother and son are doing well. Congratulations, Fred!!

## MARULAN

Mick Pidgeon has returned to work after a lengthy illness caused by an infection of the leg. Congratulations, Mick, on your recovery and good to see you back at work.

We should hear some good fish yarns when Ashley Cooper returns from annual leave. He is holidaying with his wife and family at Batehaven on the South Coast. Happy holiday, Ashley!!

The official opening of the Marulan South Community Hall has been set down for 21st April. The local folk are eagerly awaiting this event and no doubt the hall will be a regular meeting place for the various functions going on in the village.

Alan Gutzke is the proud owner of a new red and white Simca. Lots of fun in your new car, Alan!!

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## OBITUARY

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It is with regret that we report the passing of Mr. M. D. Hogan on the 23rd March. Mr. Hogan had been a resident of Marulan South for the past 15 years. During this time he has earned the respect and affection of all his workmates and will be sadly missed.

To his widow and family we extend our deepest sympathy and condolences.



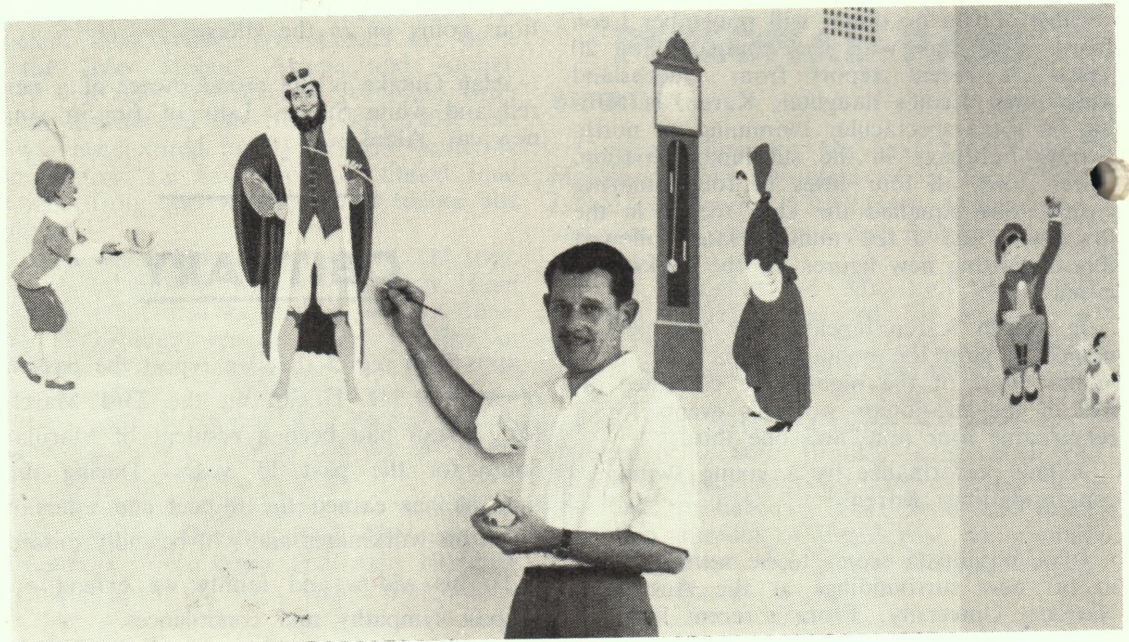
# LOCAL NEWS

During the month the Berrima District Hospital's new 58-bed Milton Park Wing was officially opened. The new hospital wing contains maternity, surgical and children's wards and all the most modern equipment associated with them.

A Bowral man, Mr. Nigel Rossborough, was commissioned to paint murals on the walls of the children's ward. The murals depict nursery rhymes and characters from "Alice in Wonderland," and are very clear and life-like impressions of the loved characters known by all children.



ABOVE: The new Milton Park Wing at B.D.H. BELOW: Murals by Mr. Nigel Rossborough.





# — SPORTING NEWS —

By JACK MOTT

## CRICKET—Unders and Overs

The match between S.P.C. cricketers over 40 years and those under 40 was played on Sunday, 12th March, and although the interest had waned a little due to an earlier postponement, both sides were keen to win. The old brigade batted first and all they could manage was a total of 66, top scorer being S. Talbot with 12. The old fellows just could not handle the googlies sent down by John Coupe, who finished with 4 wickets for 7 runs.

The under 40 "Boys" had quite a formidable battle side, with K. Mott, D. Moore, W. Poland and J. Tickner all getting into their 30's and the side finished with a total of 179. A good day's sport was had by all and everyone is of the opinion that there should be more matches of this type played.

**Marulan Quarry Visit**—The quarry cricketers paid their annual visit to the Works ground on 19th March and although weakened by the absence of a number of their star players, put up a great fight to go down by some 50 runs. The "Rock Hoppers" batted first and put together a nice score of 121, the Cosgrove boys excelling with the willow, making 75 runs between them and if they had had a little more support from their team mates the score from this side would have been somewhere near the 200. The Works boys now know what to expect when they play the return match at the quarry. The best bowler for the Works was Harold McDonnell, who took four wickets for seven runs.

The Works side finished their innings with a total of 174, D. Moore 40, N. Austin 45 and H. McDonnell 33 contributing the best scores.

**Competition**—First grade had their first victory for the season when they defeated Mittagong on the S.P.C. ground. There is little doubt that the bowling of Jack Hayes in this match paved the way for the victory and Jack can be described as an evergreen, as it is many years since he had his 21st birthday, but still seems to possess the necessary when it comes to sending down a few "wrong uns." In the match against Mittagong Jack dismissed 6 batsmen for 49 runs, a feat worthy of praise, especially when the

effort followed another similar performance when he captured 7 of Bowral's first grade wickets for 44 runs.

Presentation of trophies to outstanding players of last season was made by the General Manager, Mr. McNicol, during a break in the game on Sunday, March 12. The players to receive the trophies were:—

Best batting average: Jack Hebblewhite.

Best bowling average: Harold McDonnell.

Most catches and fielding points: Peter Mott and Kevin Moore were presented with a mounted ball for taking the "hat trick." The trophies were of a high standard for the size of the club and very much appreciated by those who received them.

## TENNIS

Three Berrima teams, Hillside, Argunyah and Medway qualified for the semi-finals in their respective grades in the district competition this season. Unfortunately, both Hillside, a team led by Barry Moore, and Argunyah, whose court is adjacent to Jim Middleton's home, were eliminated in the semi-finals.

This leaves the Medway team the only one of the Berrima teams to have a chance of winning the competition. Keep up the good work, Medway, we have our fingers crossed for you!!

The district under 17 years competition was conducted recently at Bowral on a championship basis and we are proud to report the performance of Marcee Middleton, who won the singles championship, and with her partner also won the pairs championship, a performance worthy of praise for one so young. Marcee has not yet turned 16.

## BASKETBALL

Two of our young basketball players last month were elated when told that the Moss Vale and District Association had sponsored them to take part in a weekend coaching school at the National Fitness Camp at Narabeen. The two young sportsmen, Bill Poland and Ken Mott, jumped at the opportunity and have since reported that a wealth of knowledge has been obtained by them to pass on to the various clubs in the district, thus giving every player in the district the



chance to benefit from their experiences.

S.P.C. has entered two teams in the coming district competition. One first grade and one second grade. To date they have had a couple of trial games and the form of the teams shows some potential. The new outfits of singlets and shorts are quite colourful and we are looking forward to the green and reds being somewhere near the top of the ladder this season.

## FOOTBALL

The Berrima club sponsored three of their young players to the coaching school recently conducted by Group 6 officials at Moss Vale. The school comprised about 30 young players between the ages of 18 and 21, and all gained a terrific amount of knowledge of the finer points of the game and finished the week-long school in much better condition than they have ever been before, due to the thoroughness of the coaches employed. The Berrima club players to take part in the school were the Mott brothers, Ken and Trevor, and young Terry Parmenter. The club can be commended on their action to take advantage of the opportunity offered to send their young players to the school and a beneficial effect must be derived from it later on in the season.

The Berrima team has been noticed training keenly each Tuesday and Thursday afternoon to fit themselves for the coming season's group competition in which they have entered a reserve grade team. We wish them good luck for the season.

## BOWLS

There were 24 very disappointed bowlers on the morning of 26th March, when they awoke to hear the rain pelting down and thus depriving them of the chance to play against the Moss Vale club for a chicken dinner. Each year, this match between S.P.C. bowlers and Moss Vale has become a very popular fixture, and no doubt the match will take place as soon as a suitable date can be arranged.

Norm Sullivan, Harold Sheather and Bill McDonnell are among the four finalists to fight out this year's Minor Singles Championship, and it will be tough luck if one of them does not carry off the laurels. All are in good form and it would not surprise us to see two of the three bowlers mentioned play off the final.

## SWIMMING

Eleven years old Elizabeth Lewis, daughter of J. Lewis (Loco. crew) set a new record for 1st Year girls 50 metres free style event during the Bowral High School swimming carnival held recently. Her time of 45.2 seconds lowered the existing 1957 record by 2 seconds.

Elizabeth has only recently learned to swim under the Department of Education scheme and her record is indeed a fine performance.

Congratulations, Elizabeth, and may you have further success!!

---

## Whyalla Steel Plant

Actual construction of the first unit of the long-projected Whyalla steelworks started during February; the drilling of the first holes on the steelworks site and the driving of the piles for the direct metal foundry has set in motion the B.H.P. Company's £40 million project. Work on the structural mill is scheduled to commence as soon as the earthworks are completed. The housing for the structural and bloom mills—housing four rolling mills, will be 1,600 feet long. Coincident with construction will be the alteration of the Whyalla blast furnace to provide the hot metal "feed" for the two oxygen furnaces. The steel made in the oxygen furnaces, which reduce production time over the conventional process, will be rolled in bloom, structural and merchant mills. The bloom mill will be installed at the same time as the steel-making furnaces and will be followed by the installation of a merchant bar mill. Existing service shops at the B.H.P. works are being enlarged during the building of the steelworks to provide the necessary engineering services and to ensure maintenance services. Other buildings on the site will include an oxygen plant, precipitators and a basic oxygen steel-making plant, which will be in operation by 1964. The steel-making plant will be capable of producing 475,000 tons of ingots a year by the oxygen process, which will also be introduced for the first time in Australia at Newcastle.



## FISHING NOTES

Before the recent fresh some good catches were made in the canal area. A recent visit to Nowra showed a very muddy river, so it should be at least a week before canal fishing is O.K. again.

The recent floods must have been very large. I noticed large timber over the road at Broughton Creek, and in amongst the jet-sam at Jerry Bailey there was a full-sized electric light pole, complete with cross arm. A few good bags have been taken at Jerry Bailey. Whilst there recently a chap told me most of the camped anglers were getting 15 to 17 fish per person per day!

Fishing at Dalmeney recently, the best I could do were a few small bream—right on the limit—and a silver eye mullet.

Fishing on the north beach at Dalmeney necessitates crossing the inlet from Brow Lake, generally at low tide. The bottom is mainly sand, but there are a few slippery rocks on the south bank. It was here, one day, that, returning from fishing the north beach with a friend who, incidentally, weighs about 18 stone and is about 6ft. 6in. tall, a ludicrous situation was created. Just stepping on to the rocky part, my friend trod on a sharp spike of rock. Needless to say, he lifted his foot and lost his balance. We were both loaded with rods and bags, and I tried to break his fall. However, next moment he was on his back in the water and laughing his head off! All I got was a cut toe!

An item from the strange happenings department!!

Fishing one night in the same small stream of our recent unfortunate episode, I caught a small bream. Much heartened, I had another cast and hooked another fish. However, he was one of the cunning variety and wound my line round a spike of rock! Needless to say, I had to break a length of line off.

Swimming in the same region next day, I noticed a bream feeding in amongst the rocks so, procuring a rod, I proceeded to make a few casts at the fish—still there! After two or three casts, on reeling in, I noticed the fish moved towards me. I finally found that I had hooked the piece of line broken off the previous night, and the fish was still on!

My enormous friend tells me he lost his hook on the north beach, and, on mounting

## GARDENING NOTES

By C. C. Crowe

**FLOWERS.** — SOW: Antirrhinum, Aquilegia, Candytuft, Eschscholtzia, Godetia, Larkspur, Linaria, Lupin, Mignonne, Nemophila, Pansy, Sweet Pea, Stock (Ten Weeks).

**PLANT:** Lilliums, Spring flowering bulbs, Carnations, Iceland Poppies, Pansies, Bellis Perennis.

**VEGETABLES.** — SOW: Broad Beans, Carrots, Cabbage, Lettuce, White Turnip, Onion.

**PLANT:** Celery in trenches, Culinary Herbs, Garlic, Rhubarb.

Plant English Lawn Grass Seed now.

Plant evergreen shrubs and trees this month. Plan the planting of these to give a variation in the colour of blooms, height of plants and foliage. There are many dwarf flowering shrubs which are useful for planting in places where tall shrubs are not required.

Some useful evergreen shrubs are: Coton-easters (in variety), Pyracanthas (in variety), Ceanothus, Cytisus, Euonymus, Escallonia, Grevilleas, Leptospermum, Diosma, Veronicas and Viburnums. There are many others.

Some evergreen trees are: Cypressess (in variety), Retinosporas, Junipers, Pines, Canadian Redwoods, Eucalypts, Hollies.

Prepare thoroughly, the ground in which you propose the planting next month, of Deciduous Fruit trees, Currant bushes, Gooseberry bushes, etc.

Keep a "Weather Eye" out for caterpillars and other "wogs" this Autumn and Winter, as we have been promised a mild winter, and that usually means that many varieties of pests will keep going right through to the Spring. Particularly watch for and bait the snails, which are hatching now in countless numbers.

Choose the varieties of Roses you wish to plant this Winter, now, and order them from a good Rose Grower, to avoid disappointment.

---

another hook and casting out, landed a large chunk of seaweed, no—not a mermaid—there was his old hook broken off in it.

Think I'll take to using that elastic ruler. Hope Alf Knapman had better luck!



# — PUZZLE PAGE —

The result of Problem No. 25 is shown at right. Lucky winner this month was Bert Mulready (Power House). Congratulations, Bert!!

## PROBLEM No. 26

### Across:

1. Intolerable
9. Party
10. Poem
11. Outfit
13. One (Fr.)
14. Suffix
16. Fish
19. Sticks
21. Encounters
22. I believe (Lat.)
25. Subject
26. Handle
29. Large bird
33. Skeleton
35. Residue
36. Dexterity
38. Knit
40. Speechlessness
43. Tar
44. To coat electrically with a protective covering

### Down:

1. Circulate
2. Middy
3. Muscle
4. Vase
5. Charge
6. Odorous
7. Friend (Fr.)
8. Wicked
11. Joint
12. Molars
15. Electrical unit

17. In existence
18. Certain
19. Concerning
20. Strain
22. Crest
23. Famous college
24. Portions
27. Throat
28. Possessive pronoun
30. Gorge
31. Type of lily
32. Gaze
34. Pertaining to the ear
37. Tumult
39. Tree
41. Overspread
42. Sicken

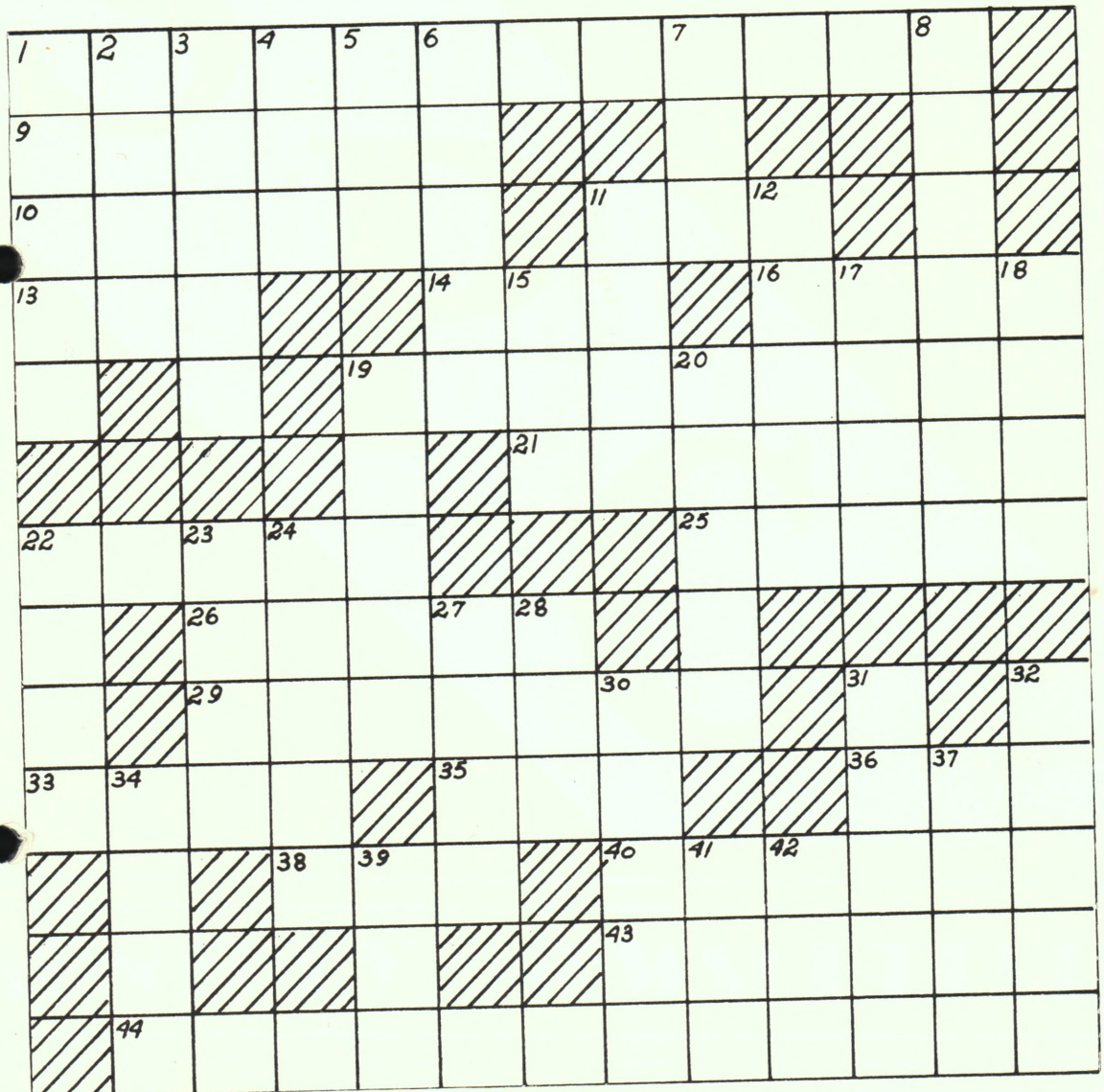


### Solution to Problem No. 25:

P	O	S	S	E	A	A	D	Z	E
R	E	C	I	P	R	O	C	A	T
S	T	R	U	M	T	R	E	B	L
U	S	A	R	I	N	S	E	T	M
I	V	Y	N	N	A	S	T	Y	
M	E	U	S	E	B	A	R	E	
D	I	S	C				O	R	N
S	C	A	P	W	O	M	E	N	
A	T	T	A	R	R	A	G	E	
R	A	I	D	L	E	R	R	S	A
R	A	P	I	E	R	S	A	V	E
O	I	L	L	U	S	T	R	A	T
W	O	R	K	B	S	E	N	S	E



# PROBLEM No. 26





PS

# SPC

Vol. 3, No. 5  
MAY, 1961

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**MONTHLY NEWSLETTER**

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SOUTHERN PORTLAND CEMENT LTD.

MARULAN — BERRIMA — MEDWAY — SYDNEY



# S.P.C. MONTHLY NEWSLETTER

*Distributed Monthly by:*

**SOUTHERN PORTLAND  
CEMENT LTD.  
BERRIMA, N.S.W.**

● **EDITOR**

*M. D. Hauber*

● **PRINTERS**

**Grant & Walker Pty. Ltd.**  
7a Norton Street, Leichhardt

● **ALL CORRESPONDENCE  
AND ENQUIRIES TO:-**

*The Editor  
S.P.C. Monthly Newsletter,  
PBS 4, Moss Vale*

● **COPY DEADLINE**

*1st of the Month*

Vol. 3, No. 5

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Puzzle Page .....	Back Cover

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MEDWAY COLLIERY .....	R. JONES

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### - Contributions -

GARDENING NOTES .....	Mr. C. CROWE Berrima
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# EDITORIAL ✓

Dear Readers,

Here we are with the first newsletter produced in the new Works Office. It is yet to be seen whether or not the new surroundings do anything to improve the magazine. However, the atmosphere in this modern office certainly leaves little to be desired, and I feel sure that I speak for everyone in saying what a wonderful change it is and one which is warmly appreciated by those lucky enough to occupy an office in the building.

The move-in took place on Friday, 21st April, much to my relief, as I had been forecasting the move in previous issues and in every case I made a "boo-boo."

Despite the usual confusion which is inevitable during a removal, the changeover was accomplished with speed, and the various offices echoed the arrival of their new inhabitants. It will, however, take some time to establish the various systems within the new offices, but in a few weeks we should be nicely settled in.

No doubt you have all observed the progress being made with the gardens surrounding the office block, and Mr. Crowe of the Berrima Bridge Nurseries is carefully planning the programme with a view to beautification of the whole area. In twelve months or so it should be the show place of the works.

What's happened to Kanga News and Tarakohe News? Might be that the last issue was so good it wasn't passed on. In any case I didn't get my copy and I miss the gossip. Also I have less material from which to filch ideas! How about it, Editors?

To the Editor, Q.C. & L. Coy. Bulletin. What about a rifle shoot between your club and S.P.C.? We could field a team of six against six of your members, the losers to present a spoon. Over to you, Mr. Fox!

And so from Berrima we send best wishes to all our readers.

Until next issue,

Yours,  
THE EDITOR.

## General Manager's Notes ✓

Congratulations to Berrima for winning the Works Section of the 1960 Safety First Competition conducted amongst the Cement Companies of Australia, which is a fitting tribute to the efforts that have been made over the past few years to improve the safety record at Berrima.

We have a long way to go to be considered a safety conscious plant, however I hope the achievement of winning the competition will be a stimulant to safer working throughout the whole company.

Either Mr. Parish or myself will be presented with the shield at the Half-Yearly Meeting of the Cement and Concrete Association on 15th May, and it will be our pleasure to hand it to Berrima for safe keeping during the next 12 months. A miniature of the shield is retained.

At the April meeting of our Board of Directors the first stage of an intensive dust collecting programme was initiated with the authorising of wet dust collectors on the coal dryer stacks, which we expect will help clean up the plant surrounding this area.

Two additional sidings at Berrima Junction were also authorised to provide additional facilities for handling limestone and cement traffic.

---

## SYDNEY OFFICE

Newcomers in Sydney Sales Office are:—

Mr. Eric Truran, started 5th November, is no new hand to the cement business. He transferred to S.P.C. from Dickson Primer after 10 years' service.

Mr. Les Edwards, started 17th February, 1961, is a keen young sportsman. He plays cricket and soccer and is keenly interested in Church Youth work. He is having a hard task bringing Sydney Office young people up to scratch.

Mr. Allan Bailey, started 2nd May, 1961, is now settling down to the new existence of office routine after four months abroad. Allan likes Australia, but Oh! those Continental girls!

—oOo—

All who knew her will be sorry to hear that Miss Sheila Carrol, for many years Sydney Office telephoniste, has left the company. We all join in expressing our condolences to her on the death of her father.



# PLANT JOTTINGS

An eagerly awaited event took place at Marulan on Friday, 21st April, when the new Marulan South Community Hall was officially opened amid the gaiety of an invitation Ball.

Official guests at the gala occasion were:— Mr. J. McNicol, General Manager, S.P.C.; Alderman McDermott, Mayor of Goulburn; Councillor Peden, Mulwaree Shire President; Mr. Loseby, Mulwaree Shire Clerk; Alderman Gerathy, Chairman Southern Tablelands County Council.

The official ceremony was conducted by the President of the Hall Management Committee, Mr. Lloyd Veal, and the Secretary, Les Cooper, welcomed the visitors and

gave a short dissertation on the future of the Hall as a cultural centre for the township.

Mr. McNicol then declared the hall open and handed it over to the President who, on behalf of the residents, conveyed the thanks of everyone to the Directors and Management of the Company for providing such a magnificent hall, which would be put to good use to foster the community spirit and welfare of the townsfolk.

Between 250 and 300 people attended the function and the interior of the hall looked really beautiful with its gay decorations and floral displays.

An excellent buffet supper climaxed activi-



*The New Marulan South Hall.*



*Portion of the crowd at the opening of Marulan South Hall.*



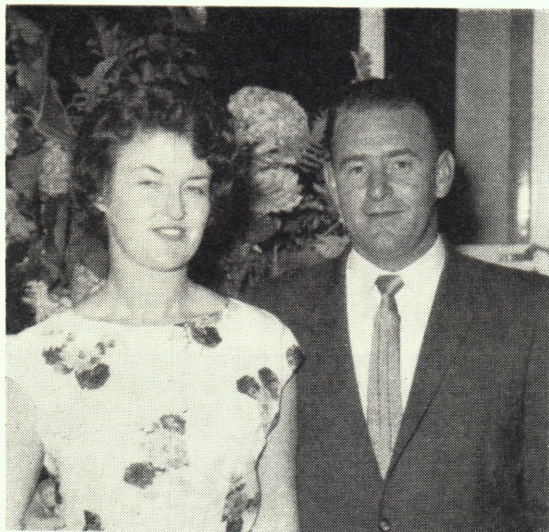
ties and it was indeed a tribute to the ladies of Marulan South, who contributed to this feast.

Some notable events took place during the course of the evening.

First to upset the programme was Mrs. K. C. Howard, who apparently got overexcited and couldn't contain herself any longer. Kevin had to rush her off to Goulburn about 7 o'clock to await the arrival of their second infant! However, Irene and her new son didn't get back in time for the dance!

The gay festivities were apparently too much for Rex Izzard also. During the evening he announced his engagement to Miss Marjorie Shepherd.

It seems like a good idea of Rex's to announce it publicly when all the gay dogs are collected together. Take a look at the picture below and weep, you unattached males!!



*Marjorie Shepherd and Rex Izzard.*

If I have missed any other notable events it is only that I was too busy trying to stay in an upright position on that fast floor.

\* \* \*

The new limestone bins at Marulan rumbled the arrival of the first limestone over the conveyor on Sunday, 30th April.

Most traces of the construction gangs had been cleared away by Friday, 28th, enabling me to get some fine shots which we have produced for you, our readers. A full technical description of the bins will follow at a later date. See photographs on pages 8 and 9.

## **Safety First!**

Best news during April was the notification by the Concrete Association of Australia that S.P.C. had won the Works Section of the 1960 Safety First Competition conducted amongst the Cement Companies of Australia.

It is quite a feat to win the coveted shield, which the Company will retain for 12 months. However, we must all do our share in helping to prevent accidents, so that we shall be able to keep the shield more than 12 months.

Unfortunately, the number of lost time accidents so far this year has already exceeded the number for the same period in 1960.

With 23 lost time accidents recorded last year, we have already recorded 10 up till the end of April this year.

The Quarry Section of the Competition was won jointly by Standard and Cockburn, both quarries operating for the 12 months without a lost time accident. Marulan was second last, in keeping with past inglorious efforts. There is considerable room for improvement at Marulan.

***Let's Pull Up Our Socks and Get  
SAFETY WISE!!***

---

## **HAVE A LAUGH**

A busy executive asked his secretary where his pencil was. "It's behind your ear," she replied.

"Come, come!" snapped the big-shot. "I'm a busy man. Which ear?"

\* \* \*

A high school boy was earnestly filling out an application for employment. Several questions seemed to puzzle him. The personnel director went over to help.

The first thing that caught his eye was the question, "Salary Desired." Next to it was written, "Yes."



# TRAVELLING ABROAD

By J. G. SCHOTT — Part VIII

From London we journeyed to Copenhagen in Denmark by Comet IV jet aircraft, arriving on Saturday, 23rd July. Denmark occupies a small place on the map and it is easy to understand why, internationally, comparatively little is known about her. Many people consume Danish butter, Danish bacon and Danish eggs. Many others brighten up their homes with Danish porcelain or silver. But Denmark's place in the world, the high educational standards of her people, the achievements of her engineers in every Continent, and the general features of her life and culture are far less widely known.

Denmark is a low-lying country with its highest point about 570 feet above sea level. It has a population of 2,000,000 inhabitants, that is 268 per square mile, the capital, Copenhagen, containing 1,200,000 people.

Seventy-four per cent. of the country is used for agriculture, and a medium-sized farm for one family contains only 74 acres. A farm of this size would grow 12½ acres of potatoes, 27 acres of grass and green fodder, 32 acres of cereals, and maintain 15 cows, 17 head of young cattle, 40 pigs and 100 fowls. The profit from a farm of this size would be £650 in Australian money equivalent.

Besides being the oldest kingdom in Europe, Denmark has the oldest flag, a blood red flag with a white cross. This flag has been the flag of Denmark for over 700 years.

A tour of the city on foot on our first day gave us an opportunity to see many of the principal points of interest, the first being the Raadhuspladsen or town hall. This building, adjacent to the city square, is ornamented by a high spire faced with copper, which has weathered to a colourful greenish hue.

Moving on beside one of the many canals which divide the city into sections, we viewed the Christiansborg Castle, where not only the Danish parliament is housed, but also the

King has a number of reception rooms reserved for official duties. Here all State dinners and luncheons are given and occasionally his Majesty and the Queen lead off the New Year Ball.

The Tivoli Gardens were a mass of colourful flowers and contained a concert hall which is world famous. During the summer season world famous musicians and singers entertain international audiences here. The gardens are famous for their cosy and festive scenes of outdoor life, and are open from early morning until midnight.

By car we travelled up the coast as far as Elsinore, a distance of 50 miles, and from this point the country of Sweden may be clearly viewed across the straits. On the way we visited Frederiksborg Castle, probably the jewel among Danish castles. It is now a museum containing the country's historical treasures of paintings, furniture, etc. Its last inhabitant was King Frederick VII, who signed the Danish constitution in 1849.

Many people, old and young use bicycles as a means of transportation, and in Copenhagen special cycle ways are provided on a section of the footpaths to take care of the numerous cyclists travelling to and fro to work.

Education has been compulsory since 1814. It extends from the age of seven to fourteen, and the public schools, besides providing a high standard of education, also pay great attention to health. Large schools have regular medical inspection, including tuberculosis tests, immunization against diphtheria, anti-tetanus and polio inoculations. In Copenhagen and many other districts a free meal is provided daily during most of the year.

Denmark gives one the impression of being a country "where few have too much and fewer too little," and the people are extremely democratic and appear very happy and content.

(See next page for photographs.)

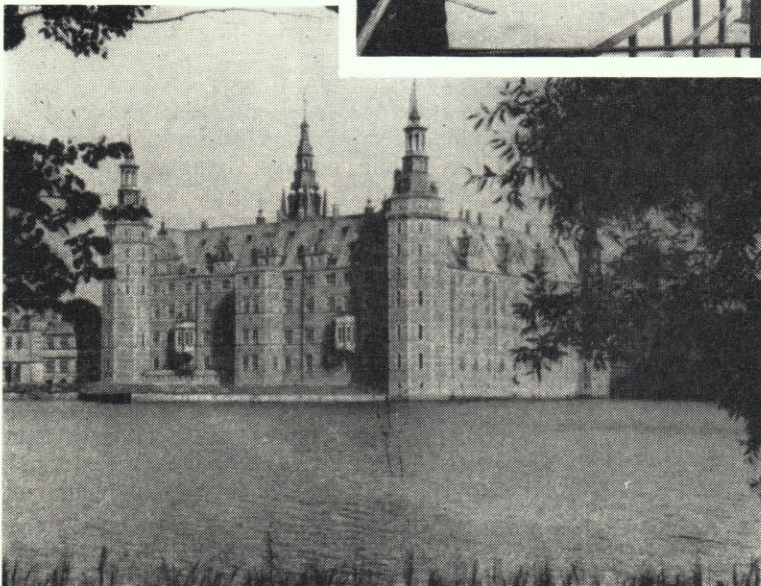




*One of the many Bedrooms.*



*One of the many Canals.*



*FREDERIKSBORD CASTLE.*



# THE HISTORY OF JOADJA

Of the many ghost towns which are still in evidence in various parts of Australia, one, Joadja, is located in our district and forms part of our early history.

Situated some 13 miles in a westerly direction from Mittagong and nestling in a valley along the Joadja Creek, lie the relics of a once prosperous shale mine.

Most of the information concerning the workings at Joadja Creek was given to Mr. Carne, author of "Kerosene Shale Deposits" (1908), by Mr. Edward Carter and Mr. R. Paddington, both early pioneers of the industry.

## **Discovery of the Shale**

The exact date is not known, but may be fixed approximately about 1850. Since then, although the outcrop was known to Mr. Edward Carter, he was unaware of its true value until 1869, when, at the first Metropolitan Agricultural Show in Prince Alfred Park, Sydney, his attention was drawn to an exhibit of Kerosene Shale by the newly opened Hartley Vale mine. This exhibit convinced him of its exact identity with the mineral outcrop at Joadja.

Land in Joadja Valley and adjoining country was secured by Mr. B. Carter as a cattle station in 1840. Some years later, Edward Carter (there is some doubt as to whether Edward was the son of B. Carter, who was thought to be a bachelor), in following cattle along the pad from the head of the north-western gully (in which the retorts were later erected), over the range and into "Stockyard" or "Carter's Farm" flat, noticed a black outcrop forming a ledge about 18 inches high, which had been exposed by the hooves of the cattle.

During or about 1873, a stockman in Carter's company noticed a loose piece of shale in the valley below the outcrop, and was informed of its nature. Fearing the discovery might become known on account of the wide search stimulated by developments at Hartley Vale, Carter visited Berrima and applied for 60 acres as a Conditional Purchase on 9th October, 1873, later measured as portion 65, Parish of Joadja, and later still converted to a Mineral C.P.

Work began under the management of Mr.

Robert Longmure. A level cut along the face of the outcrop and a zig zag into the valley. To get the mineral to market, a road was cut up the opposite side of the valley, afterwards known as "Carter's Road." Up this track three teams of 14 bullocks each hauled one ton at a time to the tableland above. Thence it was conveyed, in waggons containing five to six tons, 16 miles to the railhead at Mittagong! (The Wombeyan Caves road was not then in existence.)

After a time, two-wire cable inclines were constructed for delivery of shale into the valley from the outcrop and also to the tableland above. Teams still formed the connecting link between railhead and valley.

The deposits were worked in this way for about three years, about 30 men being employed, and the output reached about 4,000 tons per year.

The first small consignment was sent to U.S.A., second to U.K., and the third, of 400 tons, to Melbourne. Subsequently, a contract was secured with the Australian Gas Light Co., which absorbed the output during Carter's operations; 30 to 50 tons per week at £3 per ton.

On October 1st, 1874, George Larkin took up portion 76, cutting out the approach and outcrop of Carter's operations. The former's interests were subsequently purchased.

In June, 1876, P. Larkins and W. McCourt took up portion 84 as a M.C.P., embracing Carter's Road up to the spur to the tableland.

Messrs. Lamb, Brown, Paddington and others, having previously taken up adjacent lands, eventually purchased Carter's interests and formed the Australian Kerosene Oil and Mineral Co., 1877. By this date Parbury Lamb and Co. had carried out improvements at the workings, and by 1879 the Mines Report showed that the Joadja Mine covered an area of 1800 acres, employed about 50 men, and mined 350 tons of shale weekly. It is interesting to note that every 100 tons of shale produced the following:—

- (a) 10,000 gals. crude oil or 5,000 gals. good burning oil.
- (b) 3% to 5% gasoline at 670°.
- (c) 6% tar.
- (e) 10% to 15% lubricating oil.



The retorting works and tramway to connect with Mittagong were commenced in 1878, an Act empowering construction of the line assented to 1880.

1881: Shale miners were imported from Scotland and a coal-cutting machine was introduced for undercutting the shale. 1888: A pamphlet, by A.K.O. & M. Co., prepared for the Melbourne Centennial Exhibition, showed a view of the refinery. The workings by this time were quite impressive, and together with the cottages and school, presented quite a picture.

Some of the workings still stand today with parts of the cottages and school still in evidence.

The Berrima District Historical Society has recently delved into the history of Joadja,

and our thanks to them for most of our information.

Mr. Tom Malcolm, of Berrima and Wollondilly, has also contributed. He and his father were two of the last employees at Joadja.

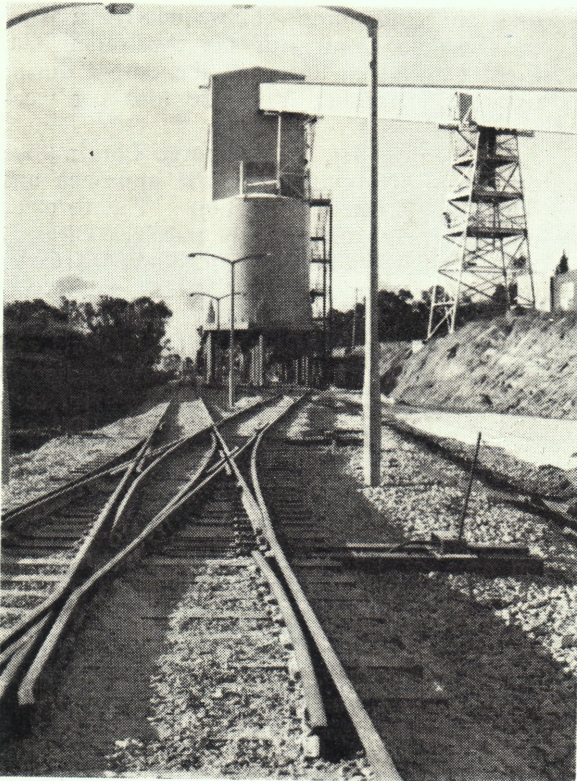
Mr. Malcolm added that in 1895 A.K.O. & M. closed the oil works, the mine continuing on a three-day week basis, later reverting to full time for about three years when operations ceased all together.

Mr. Malcolm and his father continued prospecting in the area and found a good shale seam in the old Chinamen's tunnel which they worked for some time with about 20 men.

In 1905 the area was abandoned and nature once again took over.

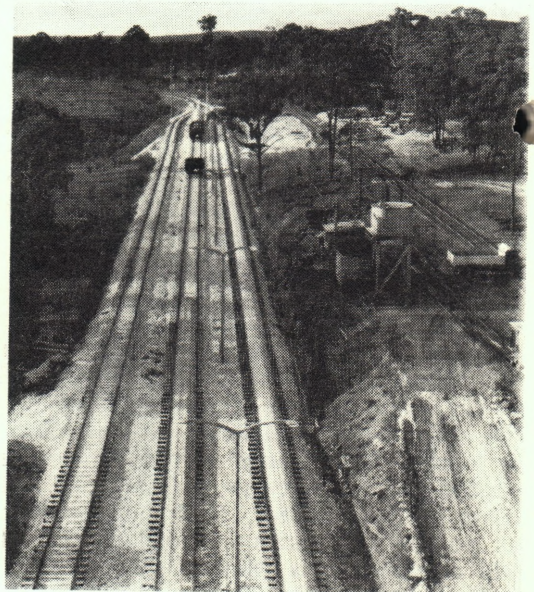
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## THE FOLLOWING SHOTS SHOW SECTIONS OF THE NEW LIMESTONE BINS AT MARULAN



LEFT:  
*Conveyor Belt Housing and Bins.*

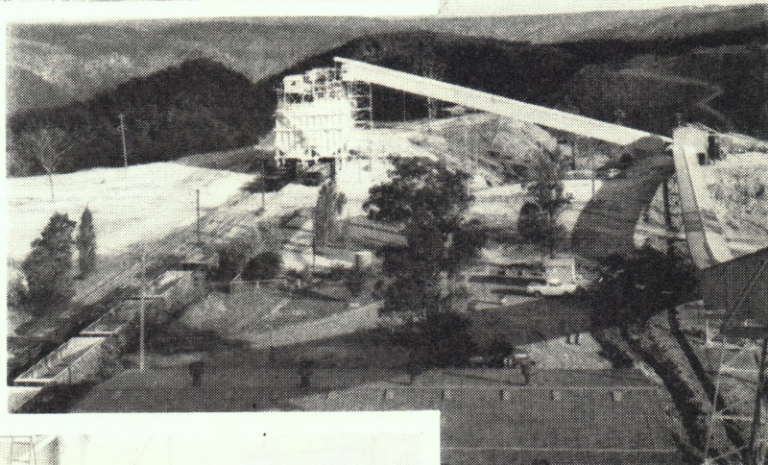
BELOW:  
*Portion of newly constructed railway line.*



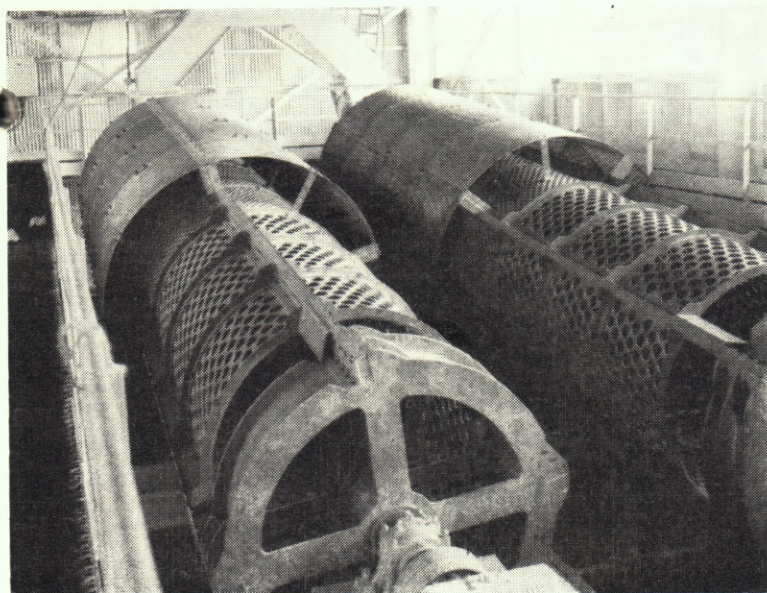




*Concrete Supporting Pillars.*



*The old Bins, taken from the top of the new.*



*The Screens.*



# — SPORTING NEWS —

The month of April saw the playing of the finals in all summer sports and the commencement of the winter sports. The cricket finished on a very exciting note when Mit-tagong defeated Moss Vale on the last day by 18 runs. All S.P.C. can say about their cricket season is that they defeated the ultimate winners during the season, and they will have to be considerably strengthened next year to take any part in the finals.

## BASKETBALL

Basketball has lost none of its popularity as a winter sport, in fact, it seems certain to be bigger and brighter this season than past seasons. S.P.C. has entered two teams—one first, one second grade—and their showing at this early juncture leaves very little to be desired, and followers of the green and reds are setting themselves for a most exciting season. Sixteen players have already registered with the club; so there will be no shortage of personnel, which is a big factor.

## BOWLS

One of the most popular events held on the Moss Vale greens, S.P.C. against Moss Vale, was decided on April 16, and the S.P.C. bowlers, led by Works Manager, Len Knight, were victorious by 127 shots to 94. This effort earned them a chicken dinner after the game at the expense of the Moss Vale players. All S.P.C. bowlers were keen, from the outset and half way through the game it was apparent that they only had to stick to their guns to come out winners. The team skipped by Len Knight tried its hardest, but found the opposition too strong, and were the only S.P.C. rink to go down.

Apart from winning a chicken dinner, the team skipped by John Fuller won themselves a nice trophy for being the team to win by the highest margin. Both Len Knight and

## FOOTBALL

Something seems to have happened to this sport in Group 6, as there does not seem to be the same interest taken in the game both by players and organising executives. During the trials a number of clubs had difficulty in fielding the required number of teams and other clubs turned up with only half enough players. However, these factors do not exist at the Berrima club, which has had no trouble meeting its obligations and in one instant took the place of the Moss Vale reserve grade which was to play Bowral. In this game the team played well to hold Bowral to a 10-all draw. It was during this game that two of its players were selected to represent Group 6 against Group 7, these being Trevor Mott in the under 18 years team and Ken Mott in the number 2 Group team. Berrima could develop into a really good team, and we wish them every success in the coming district competition.

the president of the Moss Vale club agreed that the day was a great one and all bowlers are looking forward to next year's encounter to decide the rubber. At the moment the score is one win each.

## MINOR CHAMP

Harold Sheather and Norm Sullivan played off in the final of the Moss Vale club minor singles championship and Harold came out an easy winner. Harold has always showed promise in his short career in this sport, and a good future is tipped for him. Congratulations on your achievement this year, Harold, and, who knows, maybe you might make Club Champion next year.

DETAILS—N. Sullivan )  
C. Wheeler ) 9 Up  
S. Fleeton )  
W. Rutter )  
F. Bonnar )  
H. McDonnell ) 8 Up  
F. Armstrong )  
J. Goode )

J. D'Adam )  
G. Hollis ) 12 Up  
R. Jenkins )  
J. Fuller )  
W. McDonnell )  
S. Hurst ) 6 Up  
E. Johnson )  
J. Dray )

G. Preston )  
N. Austin ) 9 Down  
J. Mott )  
L. Knight )  
E. Carey )  
J. Douglass ) 7 Up  
A. Ling )  
J. Bell )



# PERSONAL PARS — Heard on the Grapevine

## BERRIMA

John Long and his bride have returned from their honeymoon. The wedding took place at Bowral on Easter Monday, the bride was formerly Miss Betty Jeffries. We managed to track down a photo of the happy couple at the church.

John was the recipient of a beautiful coffee set and nest of coffee tables presented to him by his workmates. Congratulations, Betty and John!



*Mr. and Mrs. John Long.  
—by Courtesy of Charm Studios, Bowral.*

\* \* \*

Mr. and Mrs. Joe Bizjak are the proud parents of a baby daughter born on Good Friday. Joanne is the name chosen for the new arrival. Congratulations, Joe!!

\* \* \*

Mr. and Mrs. Eugene Liu visited Marulan for the Hall opening. Mrs. Liu looked really beautiful in her national dress. I noticed many eyes turning her way as she danced around the hall.

The couple had an unfortunate sequel to their bright evening. Leaving early to return to Sydney for the weekend, they struck bad fog on the highway and were forced to bunk down in the car for quite a few hours before they could venture on with safety. They finally reached their destination at 4 a.m.



*Mr. and Mrs. Geoff. Larsen.*

Moss Vale visitors to the opening of the Marulan Hall, Margaret and Geoff. Larsen, snapped at the height of the festivities.

\* \* \*

Miss Alma Ray, niece of Les Humphries, and Percy Sewell were married on Saturday, 29th April, at St. Michael's, Mittagong. Percy and his bride are honeymooning in Tasmania and Percy has promised an article for the magazine covering his tour of Tassy. Best wishes, Alma and Percy, for your future happiness!!

## MARULAN

To Mr. and Mrs. Kevin Howard a son, David John, born 23rd April. Congratulations, Irene and Kevin!!

\* \* \*

To Mr. and Mrs. Stan Murphy a daughter, Sharyn Lesley, born on 12th April. Congratulations, Stan and Mrs. Murphy.

\* \* \*

A 21st Birthday party was celebrated on 29th April by Bill Rawley. Bill was host to a number of guests who enjoyed an evening of dancing and games. Congratulations, Bill, on reaching your majority!!



The "Rockhoppers" have not entered a team in the District basketball comp. this year. "What's up, fellows?" Lost your captain, eh! \*

Another gay dog snapped at the ball, Tom Sharkey and partner, Mrs. Hoole, from Goulburn. If my memory serves me right, I believe Tom was on the floor for every dance. Can't accuse him of being a "square," eh! \*



*Mrs. Hoole and Tom Sharkey.*

## NEW APPOINTMENTS

The following new appointments were announced during the month:—

Mr. J. G. Schott was appointed Technical Superintendent at Berrima Works. Mr. Schott was formerly Chief Chemist.

Mr. F. L. Veal was appointed Production Assistant at Berrima Works. Mr. Veal was formerly Officer-in-Charge at Marulan Quarry and he will take up residence at Moss Vale in the house vacated recently by Mr. D. W. McLaren, who has moved to our Sydney Office.

Mr. S. M. Marshall was appointed Plant Chemist and Mr. Rus Greaves moves up to Assistant Plant Chemist.

Ernie Radnidge was appointed Machine Shop Foreman whilst Bill Saker's appointment has been changed to Apprentice Training Foreman.

Alf Knapman has been appointed Acting Power House Foreman.

Mr. K. C. Howard was appointed Quarry

## FISHING NOTES

Fishing has been reasonably good in the areas near Moss Vale. Good catches of flat-head and bream have been made in the Canal area, and on the point at the Island.

One of these days I'll visit the Gulf of Carpentaria, where I believe the fishing is colossal.

The estuaries and inshore areas of the Gulf Country abound with groper, deep sea mullet, diamond scale mullet, spotted cod, trevally, mackerel; and grey nurse, bronze whaler and hammerhead sharks are plentiful.

The wet season begins in November and usually lasts until March. When the swollen rivers rush down to the sea, they are met by the high tides which force them to flood across the Gulf Country, forming countless numbers of lagoons. Although it is impossible to fish many of these lagoons during the "Wet," they produce excellent barramundi fishing when the dry season starts.

The barramundi caught in the inside and outside waters of the Gulf Country is not the true barramundi, but the giant perch.

In salt waters, a small mullet or large prawn is an excellent bait for the giant perch. In the fresh water, most fresh water baits will tempt both the barramundi and the giant perch, but good sport is to be had with spinners and wobblers.

Occasionally giant perch can be seen swimming round in schools, feeding on the smaller fish. The largest specimens, however, are more often found beneath undercut banks, logs or rock ledges.

The method adopted for catching the big groper which come into the rivers is to use a shark hook baited with a whole catfish!

The inshore waters of the Gulf are shallow, the bottom being of thick mud which makes wading impossible.

Crabs and prawns are plentiful, and the latter can be netted in most of the rivers. Catfish can be caught on spinners as well as baits. Most of the best estuary, river and lagoon fishing is to be found after the wet season.

---

Superintendent at Marulan South and moves into the house vacated by Mr. Veal.

Our best wishes to these people in their new jobs.



## GARDENING NOTES

By C. C. Crowe

**FLOWERS.** — SOW: Antirrhinum, Candytuft, English Marigolds (Calendula), Linaria, Lupin, Nemophila, Sweet Pea. PLANT: Carnations, Stocks, Calendula, Anemones, Ranunculus, Dianthus, Evergreen Shrubs, Trees.

**VEGETABLES.**—SOW: Broad Beans, Peas, Parsley. PLANT: Asparagus, Rhubarb, Onions, Bush Fruits such as Currants, Strawberry Plants.

Dahlias will be cut by frosts this month and these should be lifted when the leaves and stems are yellow; the stems should be cut to within 12 inches of the tubers, and a label attached to each plant before storing. Store in boxes of dry sand, and watch that no insect pests attack them during the winter months. Most perennials have finished flowering, so cut off any old flowers and seed-heads. The plants may be cut back to the ground later in the winter.

Lightly cultivate between rows of seedlings to eliminate weeds. Few vegetable crops can be sown now, except peas and broad beans. Thin out growing crops of root vegetables to allow for good development.

Dig out and burn any diseased vegetable plants and place any clean ones on the compost heap.

Any garden beds not in use should be dug over and left in a rough condition until it is time to get them ready for planting again.

Practise rotation of crops with your vegetable garden. Don't plant the same crops in the same place year after year!!

Spray Fruit Trees with Bordeaux Mixture of Lime Sulphur at winter strength to help control mildews, which have been very prevalent during the summer months.

Autumn is with us again and many of the trees are bright with Red and Gold. Watch for the best of these and don't forget to leave a space to plant them during the winter months.

The Robins are with us again, too, both the Yellow Robin (*Eopsaltria australis*) and the Scarlet Robin. The Yellow Robin may be heard singing first thing in the morning and last thing in the dusk, and the Scarlet fellow becomes very tame during the winter months and will even perch on the spade if new ground is being turned over. Watch for these cheeky little birds and give them a welcome. They are great insect-eaters.

## LET'S LAUGH

Sign posted on a Scottish golf course: "Members will kindly refrain from picking up lost balls until they have stopped rolling!"

\* \* \*

After several minutes of futile stabbing at the keyhole, the drunk found the door opened for him by his glaring wife.

"Aw, honey, don't be mad," he mumbled. "Some of the boys at the office decided to have a contest to see who could drink the most beer."

"Very interesting," said the wife acidly. "Who won second prize?"

\* \* \*

He: "Why does the average girl prefer beauty to brains?"

She: "Because the men that can see outnumber those who can think."

\* \* \*

"You'll drive me out of my mind," said the golfer.

"That would be a putt, dear, hardly a drive," replied his wife.

\* \* \*

"Where'd you get the black eye?"

"I was out with Bill's old girl."

"Yeah, but how come the black eye?"

"Bill was a liar!"

\* \* \*

"I'm thirsty."

"I'll get you some water."

"I said thirsty, not dirty."

\* \* \*

The maid was ill so her mistress sent for the doctor, who upon arriving asked the mistress to leave the room so he could make his examination.

When the maid was alone with the physician she confessed: "Doctor, I'm not really ill. She owes me for six weeks' salary and I'm not getting out of bed until she pays me."

"She owes me for the last ten visits I made here," the doctor said. "Move over."

\* \* \*

"Just think of it!" exclaimed the romantic young newlywed, "a few words mumbled over your head and you're married."

"Yes," agreed the old cynic, "and a few words mumbled in your sleep and you're divorced."

\* \* \*

The fellows finally figure why the farmer looked for a needle in the haystack. Said his daughter did her fancy work there.



# — PUZZLE PAGE —

Due to an error in the construction of last month's crossword, no result was obtained, and the prize money will jackpot to £2 for Problem No. 27.

## PROBLEM No. 27

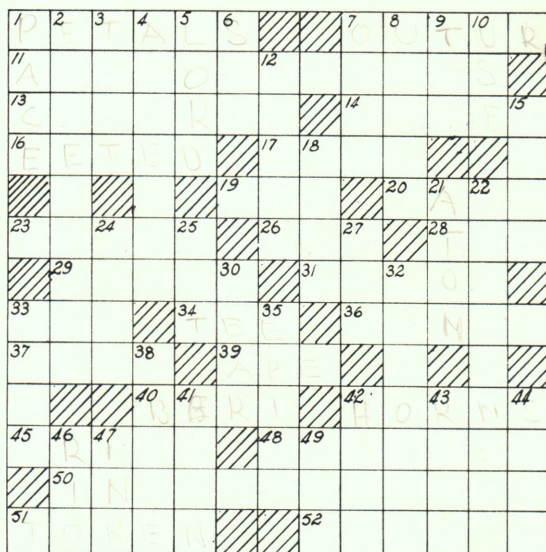
### Across:

1. Part of a flower (pl.)
7. Fringe
11. Absurd
13. Where the Grand National is run
14. Place in a mass of matter
16. Celebrated
17. On the sheltered side
19. Backward
20. Contest
23. Noted for his diary
26. Spring
28. Type of root
29. Poison
31. Blunder
33. Personal pronoun
34. Golf mound
36. Searches thoroughly
37. District
39. Gorilla
40. Say it twice for a disease
42. Gores
45. Before
48. Feminine name
50. Inseparable
51. Memento
52. Tormented

### Down:

1. Width
2. Optical instrument used for measuring fibres
3. Confined
4. Wingless and tailless N.Z. bird
5. Title
6. Direction

7. Plant
8. Author of the "Odyssey"
9. Cause friction
10. Employ
12. Lachrymal drops
15. Profound
18. Gait
21. It can now be split
22. Precious stone
24. Study closely
25. Perch
27. Curve
30. At hand
32. Famous for its hot springs
33. Musical instrument
35. Heroic poems
38. Dwelling
41. Ireland
42. Robust
43. Bones
44. Origin
46. ....Grande
47. Writing fluid
49. Block of land





PS

# SPC

Vol. 3, No. 7  
JULY, 1961

**MONTHLY NEWSLETTER**

SOUTHERN PORTLAND CEMENT LTD.

MARULAN — BERRIMA — MEDWAY — SYDNEY



# S.P.C. MONTHLY NEWSLETTER

*Distributed Monthly by:*

**SOUTHERN PORTLAND  
CEMENT LTD.  
BERRIMA, N.S.W.**

**EDITOR**

*M. D. Hauber*

**PRINTERS**

*Grant & Walker Pty. Ltd.  
7a Norton Street, Leichhardt*

**ALL CORRESPONDENCE  
AND ENQUIRIES TO:-**

*The Editor  
S.P.C. Monthly Newsletter,  
PBS 4, Moss Vale*

**COPY DEADLINE**

*1st of the Month*

Vol. 3, No. 7

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GARDENING NOTES .....	Mr. C. CROWE Berrima
WARRAGAMBA DAM by permission of M. W. S. & D. Board	



# ✓ — EDITORIAL —

Dear Readers,

In the August, 1959 edition of S.P.C. News, we featured an article on dams, the last paragraphs of which dealt with Warragamba Dam in particular. Earlier, in June, 1959, we featured a photograph taken during the early stages of construction of this vast scheme.

This month, with the help of the Metropolitan Water Sewerage & Drainage Board, who made available the photographs used, we bring you a full pictorial coverage of the now completed dam.

Without doubt, it is a mighty big engineering feat, and a tribute to the men who built it.

When you look at the cost of Warragamba Dam, estimated at £35½ million, it is rather staggering, but balance this against the time taken — initial development commenced in 1937 — then the figure loses some significance.

We of S.P.C. have a very special interest in this dam, as the cement used was produced

by us, and it is with pride that we look upon this giant, and feel that we had a hand in its construction.

Australians, generally, must feel that Warragamba is something to be seen, as I have been told that the average number of cars visiting the site on Sundays is in the vicinity of 2,000.

Next month we will publish a small map of the area for the benefit of anyone who may want to take a trip for a Sunday afternoon's outing.

Our fishing correspondent, Rus Greaves, has been convalescing following an operation, and hence we are shy of fishing notes. Hurry up, Rus, and get well, so that we can get the latest info. on where they are biting!

Better hold on to your safety hats, readers! Next month I have a surprise in store for you. That's all I'm saying for now.

Until next issue,

Yours,

THE EDITOR.

## ✓ GENERAL MANAGER'S NOTES

At the June meeting of our Board of Directors, the expenditure of £90,000 for electrostatic dust collection on Nos. 4 and 5 boilers was approved. This is the first stage of a comprehensive dust collection scheme to eliminate dust emission from the Berrima Works, and our engineers are now working on a similar scheme for dust collection on the kilns.

The contract for the electrostatic precipitator has been let to the Sturtevant Engineering Company (Australasia) Limited, of Villawood, and they expect to have the unit installed and operating within seven months.

The Sturtevant Company has guaranteed that at least 99 per cent. of the dust now going up to the air will be collected.

Another item of capital expenditure approved was the erection of a new general store and post office alongside, and of similar construction to, the new Marulan South Community Hall. The present store serving our quarry township is a galvanised iron shack which has outlived its usefulness, whilst the new store will be in keeping with the high standards of construction and operation to which we are aspiring at the Quarry.

## SAFETY FIRST

Although we managed to get through the month of June without a Lost Time Injury, there were several "close shaves," when the 30 days target looked like falling. It is gratifying, however, to see that the majority of employees are doing something towards

working safely, or helping their mates by doing so.

The number of hard hats being worn on the Plant indicates that everyone realises their importance.

But, are your feet equally as well protected?



If you have not already a pair of safety boots or shoes, remember you can buy them at the Store at a reasonable price, and this money can be deducted over a couple of pay periods from your wages.

Once again, we would like to stress on all employees the importance of reporting any injury—no matter how slight—to the Ambulance Attendant or Foreman. If you suspect you have strained a muscle in the course of your duties, be sure and let the Ambulance Attendant know about it. He will be able to advise you, and also the fact that you report it will facilitate any claim for compensation that may arise, should the injury become worse.

## **MARULAN** **Safety Conscious**

Considerable interest is being shown at the Marulan South fortnightly Safety First meetings, at which important decisions affecting the safety of more than 170 men are made.

It is planned in the near future to screen a variety of films dealing with safety in Marulan South Hall.

Those who attend the fortnightly meetings are Superintendent, Kevin Howard (President), Tony Cosgrove (Group I), Alex McMurtre (Group II), Cec Cluney (Group III), Allan Chaplin (Group IV), and Vince Cosgrove (Group V), Jim Galloway (Ambulance Officer), and Barney Creswick (Safety Officer).

## **OBITUARY**

### **(MR. JOE BELL PASSES)**

The S.P.C. News regrets to record the death of Mr. Joseph Francis Bell, of Goulburn, on June 8th. Mr. Bell was employed at S.P.C. for 12 years, before his retirement some years ago.

Mr. Bell was 77, and had been an active member of of Marulan Rifle Club for many years, until advancing years forced him to give it up. During his association with the club, he took part in many memorable shoots, and gave the club active support in other ways.

Several of his sons and grandsons are employed at South Marulan. He is survived by 45 grandchildren and 24 great grandchildren. Many of his old workmates and townspeople attended the funeral.

## **PLANT JOTTINGS**

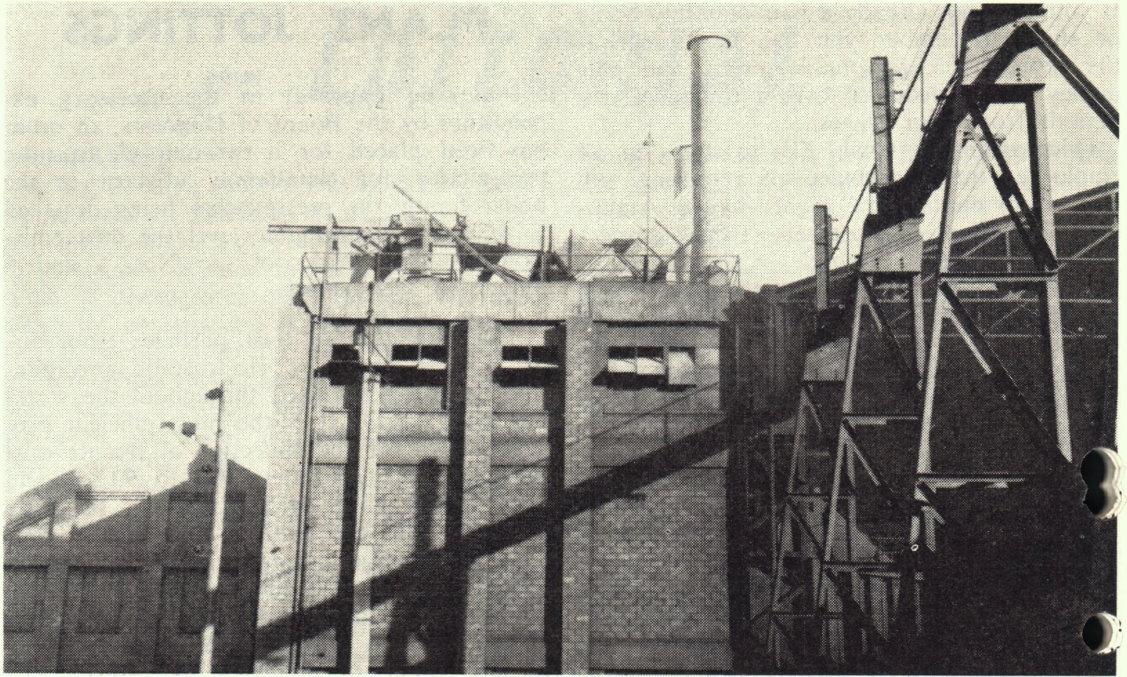
Following approval to the necessary expenditure by the Board of Directors, an order has been placed for a two-unit electrostatic precipitator, for installation adjacent to the boiler house, the precipitators being designed to reduce to a negligible level the dust emission from the stacks of our Nos. 4 and 5 pulverised fuel boilers.

The extraction of dust particles from flue or exhaust gases by electrostatic precipitation has been practised throughout the world for many years. It is the most efficient process known for the collection of minute dust particles, and efficiencies up to 99.8% and even higher have been obtained. In basic principle, an electrostatic precipitator consists of a large casing through which the dust-laden flue gases are passed. Within the casing are discharge and collecting electrodes, across which is applied a very high voltage, of the order of 40,000-50,000 volts. The suspended dust particles are charged, or ionised, by corona discharge, and owing to the presence of the electric field, are attracted and migrate to earthed collecting electrodes. Periodically, they are dislodged from these electrodes by mechanical or other hammers, known as rapping gear, and fall to hoppers located at the bottom of the casing.

The overall dimensions of the precipitator installation for our Nos. 4 and 5 boilers will be approximately 93ft. long by 28ft. wide, and 50ft. high. These dimensions allow for duct work, new induced draft fans, and a new, 90ft.-high stack, common to both boilers.

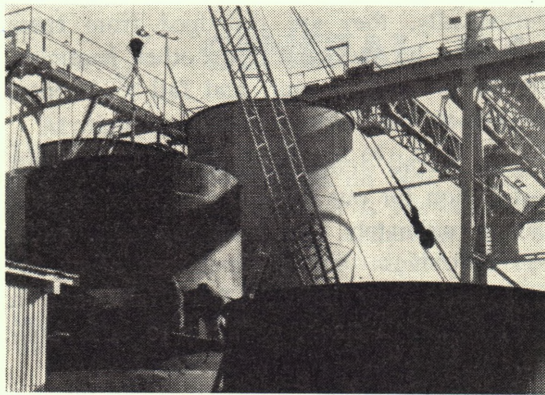
The electrical characteristics of the ash contained in N.S.W. coals have, in the past presented some problems to precipitator manufacturers, and very high efficiencies have been difficult to attain. However, a great deal of attention has been paid to this problem, many pilot plants, some quite large, have been installed in an attempt to find the ash. The suppliers of our plant are confident that the solution has been found, and solution to the precipitation of our particular we look forward to really clean boiler stacks.





*The Boiler House as it appears today.*

## SHALE SILO



Pictured above is the new steel section shale silo being erected by Wollongong Engineering. The silo replaces one which was dismantled, because of deterioration of the steel.

The new silo created somewhat of a delivery problem for the manufacturers, because of the large diameter, and the fact that it could not be fabricated in one piece.

Each section was over 18ft. diameter, and one section, the cone-shaped section, had to have 18in. removed to allow clearance under the railway bridge at Moss Vale. It was

later found that Macquarie Pass was an unsuitable route for the vehicles (two were required), and it was therefore necessary to route the semi trailers through Campbelltown and thence via the Hume Highway.

The duration of the journey was two days, and a police motor cycle escort was required throughout the whole trip.

## PERSONAL PARS

### SYDNEY

Miss Judy Lillyman, our Sydney Office representative, was on leave at the time this issue went to press, and her expected contributions were unavailable. Judy went to Craigieburn, Bowral, in search of local colour and golf, but met with a very chilly reception. (Climatically, of course.)

\* \* \*

The B.H.P. Social Club organised a theatrical party for the "Student Prince," and this show was enjoyed by a number of Sydney Office staff.



# TRAVELLING ABROAD

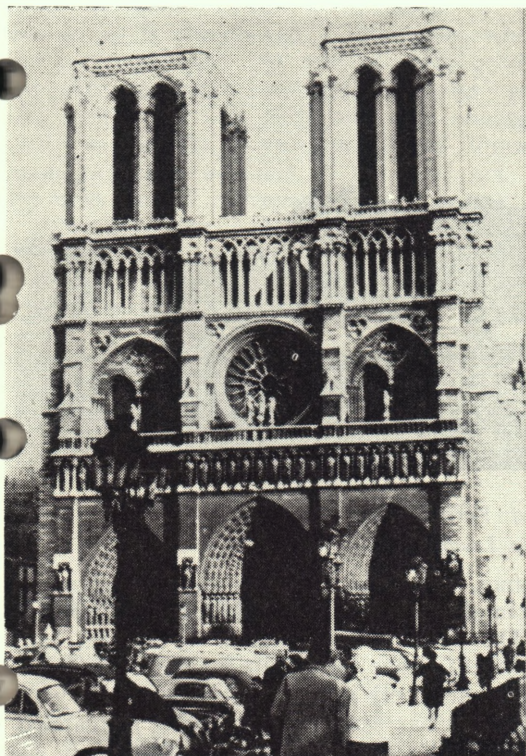
By J. G. SCHOTT — Part X

The Hotel George V, where we stayed in Paris, is situated only 100 yards from the Avenue Champs-Elysees, in the heart of the city, and being a weekend, we were able to see some of the sights of this great city.

We were told that there are three main vantage points from which to view the city, these being the Eiffel Tower, the Arc de Triomphe, and the Church of Sacre Coeur at the top of Montmartre. We chose the last, and were very impressed by the harmony of this city. Its buildings are of a regular height, grey in colour and, when compared to New York viewed from the Empire State Building, London from the air, this city appears more beautiful. It's broad boulevards, its spacious, green parks, the Bois de Boulogne on the left of the city, and the Bois de Vincennes on the right, its formal bands of green

trees and lawns, such as the Tuileries and the one that leads to the Ecole Militaire, the Military College, together with the huge squares, the Place de la Concorde, and the wide Champs Elysees and its wider Avenue Foch, all these and its nobbly placed monuments and palaces, make Paris the most beautiful city I have seen.

There are two Arches of Triumph. The small one near the Louvre, called the Carrousel, has columns of pink marble, sculptured panels, and a charioteer with prancing horses on top. At the other end of the mile-long Champs Elysees is the great one, the



*Notre Dame Cathedral.*



*The Eiffel Tower.*





*Top:—The Palace of Versailles.*

*Bottom:—The Arc de Triomphe.*

Arc de Triomphe. It stands at the centre of the star (L'Etoile), where twelve boulevards meet. We looked along one of these to the Eiffel Tower. The Carrousel arch was raised to commemorate Napoleon's victories, and the big one to honour the armies of France. When you take a night tour and drive under the arch itself, you see the Flame of Remem-

brance, which is lit every evening. Beneath a simple slab lies the Unknown Soldier.

The Eiffel Tower, which we viewed only from a distance, was built for the 1890 Exposition, and only its later usefulness as a wireless mast has saved it from being dismantled. When built, it was the tallest structure in the world, being 984 feet high. Today, New



York's Empire State and Chrysler Buildings, and a television tower in Tokyo, are slightly taller.

Fascinating is the cathedral of Notre Dame, with medieval stone carvings on its facade, and towers that our guide informed us were not quite twins. The sides of the Gothic-style building and its parapets are ornamented not only with gargoyles set up there to ward off demons, but also with angels and saints. The glass windows of this cathedral are stated to be the finest in the world.

Few people come to Paris to see its churches, but the church of Sacre Coeur, with its beautiful, white Oriental domes, floating over the hill of Montmartre, is one which is seen by most tourists. It looks down the hill on the Place Pigalle, where at night are to be seen thousands of neon lights illuminating the night clubs of "Gay Paree."

After dinner at an open-air cafe, we set out on a Cook's Night Tour of four of the Paris night clubs, in company with a fellow Australian, Bill Cottrell, who agreed to act as chaperone. This tour started at 9 p.m., and included three small night clubs which are perhaps not excellent, but are the kind of thing that many people like to see. A drink at these places is included in the charge, as is champagne at the Lido, where the tour concludes. At one of these cellars, the Apache dance was demonstrated, and one member of our party who had courageously sat in the front row, found himself acting as chief assistant in the final act, to the envy of his colleagues.

After this, the Lido made up for everything, the revue presentation being a credit to its producers, and to the memory of the late Florenz Ziegfeld. Here were to be seen a bevy of beautiful showgirls, none shorter than five feet nine, without a brassiere between them, or in need of one. Top international acts are featured; there is spectacular ice skating and stunning water effects, including not only ingeniously-lit cascades, but in the show I saw, girls swimming in a

stage-sized goldfish bowl. I have yet to hear one non-enthusiastic comment from tourists who have been to the Lido.

A trip was made to the Palace of Versailles, which lies twelve miles out of Paris, and where the fourteenth Louis established his court in 1682. We entered the grounds through a wide drive that used to be flanked with the stables of several thousand horses and several hundred coaches, and the buildings on each side housed the many servants and employees of the Palace.

The main palace stretches out into two great four-storeyed wings, and in these a thousand lords had their apartments, with four thousand servants to attend them. It is said that the buildings contain 148 kinds of marble.

Most famous portion of the building is the Hall of Mirrors, which time did not permit us to inspect. It was in this hall after World War I that the Treaty of Versailles was signed.

The out-of-doors area is like an immense park, and from the terrace in front of the palace, you can look for two miles, across flower beds and fountains, and right down the Grand Canal, where Louis XIV floated his barges and gondolas. There are four hundred fountains within the grounds, and two of these were playing during our visit.

The restoration of this beautiful palace and grounds was completed after World War I, mainly by a grant of money made available by John D. Rockefeller.

Leaving Paris, we travelled by train to Lille, and thence by car some fifty miles through Belgium, to visit the Onberg cement plant, which is one of the largest in the world, producing 5,000 tons per day. When we drove up to the plant, we were surprised to see the Australian Flag flying in front of the office to welcome us, and we were made to feel that Australians are very welcome in Belgium.

From here, we made our way back to London, and prepared to leave for Canada.

## PERSONAL PARS — Colliery

Wedding bells sounded for Barry Duncan and Colleen Clout on the 3rd June. The couple were married at Picton, and following a caravan honeymoon, have taken up residence at Welby. Best wishes, Colleen and Barry, for your future happiness.

Spotted Billy Verhaeghe on the Loco while I was in the mine, but he wouldn't stop to talk to me for very long. I've been trying for some time to coach Billy into re-enlistment in the C.M.F., and he probably guessed my intentions. Still, I'm not giving up, Bill!





*Bridge over the Wollondilly River, now submerged by rising waters.*

# THE STORY OF WARRAGAMBA DAM

## The Valley

About one million years ago, eastern Australia lifted and tilted to the east so that the ancestors of the Cox's and Wollondilly Rivers began to flow faster, deepening and widening their courses to form the beautiful Burrarorang Valley. Today, these rivers, with the Nattai, Kowmung, and other tributaries, gather the rainfall from an area of 3,383 square miles, and pour their combined flow into the narrow Warragamba River at an average rate of 624 million gallons a day.

As the only outlet for this vast catchment area, the Warragamba Gorge was recognised as an ideal site for a dam as early as 1845, but it was to be more than a century before the development of engineering techniques, and the pressing need for increased water storage, led to the construction of one of the largest metropolitan water supply dams in the world.

The building of Warragamba Dam resulted in the flooding of Burrarorang Valley, drowning what was once the secluded haunt of aborigines and, later, a fertile farming district and popular holiday resort. The settlers have gone; the farms, guest houses, and

the little schools and churches have been demolished; and water many feet deep covers the ground where they once stood.

These things were inevitable in the course of progress. The 29-square-mile lake that covers the valley is essential to the future of Sydney—to its industrial and residential development, and to the health and livelihood of its people.

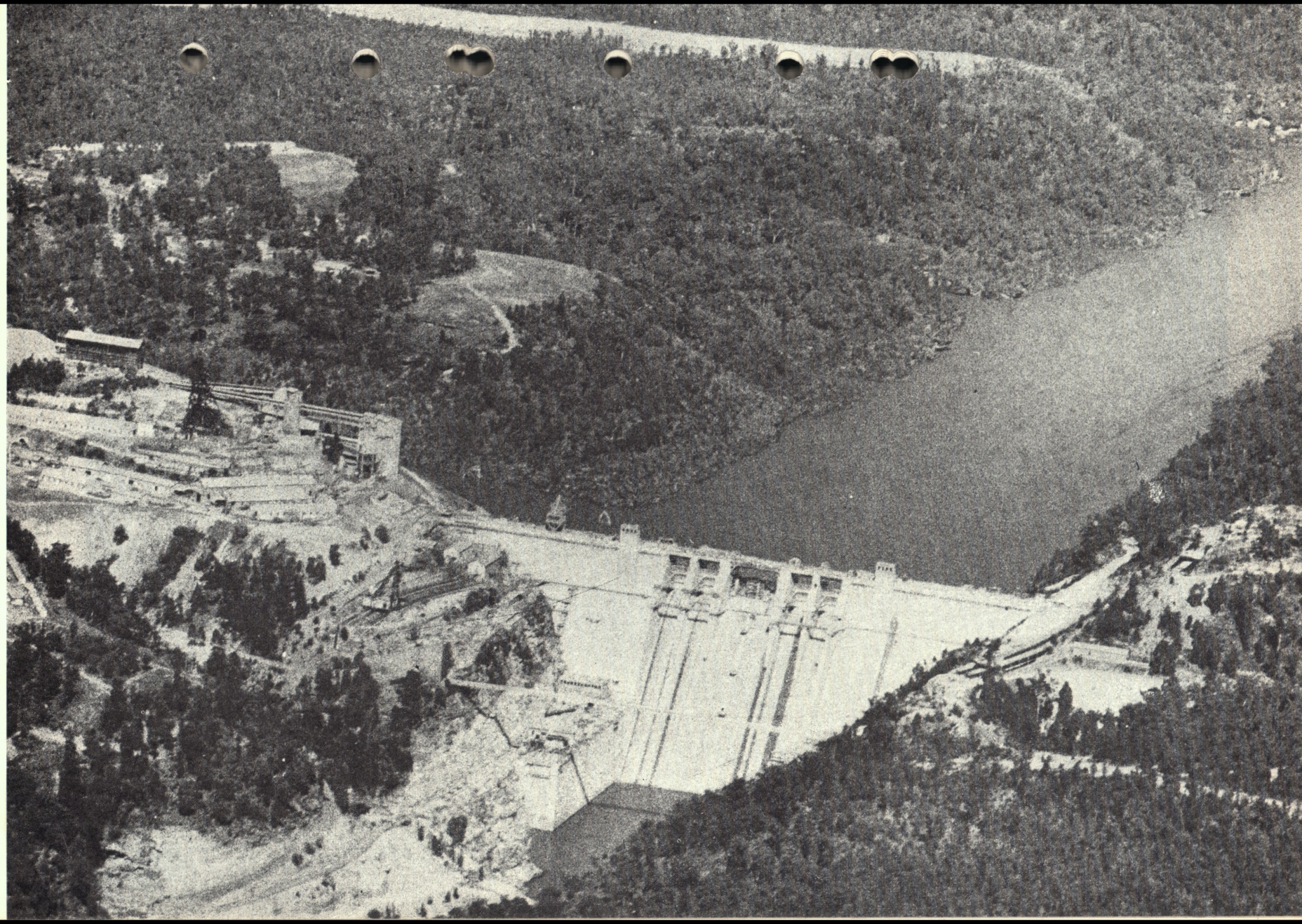
## Turning the Stream

The general configuration of the Warragamba storage basin makes it possible for a short and high dam to impound a vast quantity of water.

Before the final site for the dam was selected, a most comprehensive geological examination was made of the area. At 50ft. intervals, holes were drilled deep into the underlying sandstone, and 3in. diameter cores extracted; much larger cores were also obtained from 4ft. diameter "calyx" holes.

*Aerial view of the dam →*













*Rising waters in Burragorang Valley at the Junction of the Nattai and Wollondilly Rivers.*

These were kept and charted, and gave a very accurate picture of the whole site.

When the exact site was chosen, it was necessary to turn the river from its bed before work could begin. Two coffer dams were built; one upstream—with the assistance of divers often working at depths of 50ft.—and one downstream of the site. At the same time, a tunnel was driven 1,800ft. along the east bank and the river turned into it, leaving the area between the two coffer dams dry.

The size of the diversion tunnel was 14ft. high and 18ft. wide—large enough to take a flood of 1,350,000 gallons a minute. Past records indicated that larger floods than this could be expected about three times a year, but it was estimated that it would be cheaper to cease work on the dam during these floods than to build a larger tunnel.

#### **The Stretching Stone**

When the dam site had been dewatered, more than 2,300,000 tons of sandstone were excavated by drilling and blasting, to prepare a firm foundation for the dam. The excavated material was removed by 10-cubic-yard capacity rock buggies, and the rate of

excavation reached 4,000 cubic yards a day.

The occasional floods which poured down the gorge and over the workings left tremendous quantities of silt and debris in their wake, and up to 120,000 cubic yards of these deposits had to be excavated from the site after the floods had passed.

As the river cut through the rock to form the gorge, vertical joints and horizontal seams were opened in the sandstone beds that form the sides of the valley. These natural defects were remedied by "grouting"—drilling down into the river bed and pumping a fine mixture of cement and water into the seams and joints. The grouting programme involved over 1,000,000ft. of diamond drilling, some of it penetrating more than 200ft. below the foundation site.

As the 2,300,000 tons of sandstone were removed from the dam site, the underlying rock expanded elastically upwards. While this phenomenon of "elastic rebound" is common to all dam sites, its magnitude at Warragamba was such that it could easily be seen.

The large quantity of the rock removed, the nature of the sandstone bedding planes and the unusually large elasticity of the rock combined to make these movements a "text book" illustration for physicists and engineers.

← Site of the dam in Warragamba Gorge before the work began.



### ... With Ice

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 from the required output, so the materials were 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 cool-

ing 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.

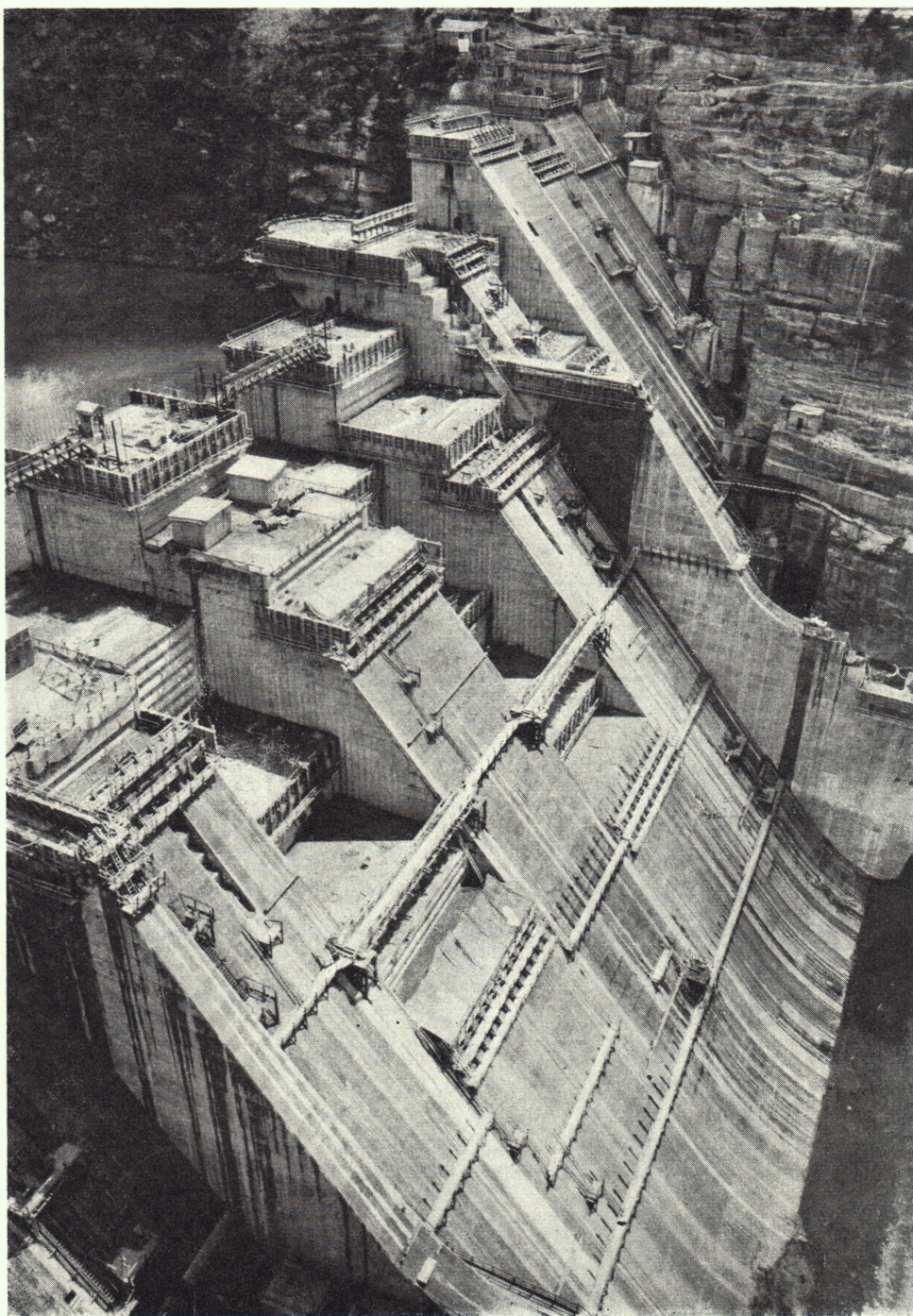
The huge pressure of the impounded water on the valley walls and floor also contributes to the deflection of the dam. These pressures elastically compress and bend the rock strata causing a slight tilting movement along the base of the dam.

The various movements of the dam have been regularly recorded by the engineers, to ensure that they are everywhere within safe, expected limits. As deflections are naturally minute, their measurement called for a high degree of surveying precision, requiring the services of the National Standards Laboratory to calibrate tapes to an order of accuracy of one in half a million.

The whole 3,383 square miles of catchment area and, indeed, beyond it, is constantly monitored by four seismological stations located in specially constructed vaults. Their purpose is to detect any movements in the earth's surface.

The seismographs installed are so sensitive that they can detect vibrations in the earth





*View of the dam showing block by block construction.*



of less than one millionth of an inch. Day and night, they automatically record movements over a vast area on and below the earth's surface. So far, no movements which could affect the dam have been recorded.

### **The Tree Fellers**

The area to be submerged by the rising water behind Warragamba Dam had to be cleared of timber and vegetation, so that the drowning trees would not rot and affect the quality of the water, or drift downstream to obstruct the outlets from the dam.

Up to 500 men were employed in this work, felling, stacking, and burning the timber. They lived in tents, often in remote places; they cooked for themselves, and supplies were brought in four times a week, by truck.

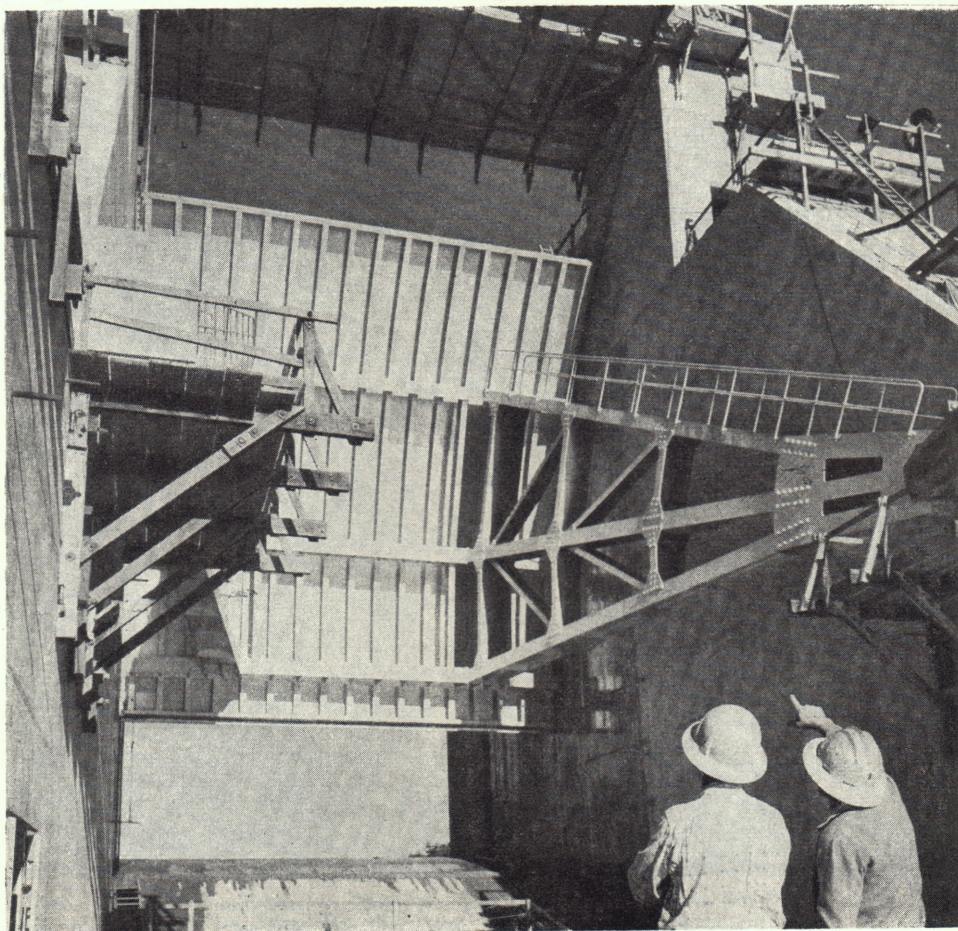
More than 100 miles of road were made to provide access to the areas to be cleared. Some of the more remote areas were reached

by boat. During floods, flying foxes were rigged across the rivers to carry food, stretchers, and medical supplies.

A total of 17,000 acres was cleared to the eventual topwater level, and when it was done, the 220 miles of foreshores looked as though they had been cleanly shorn by giant shears.

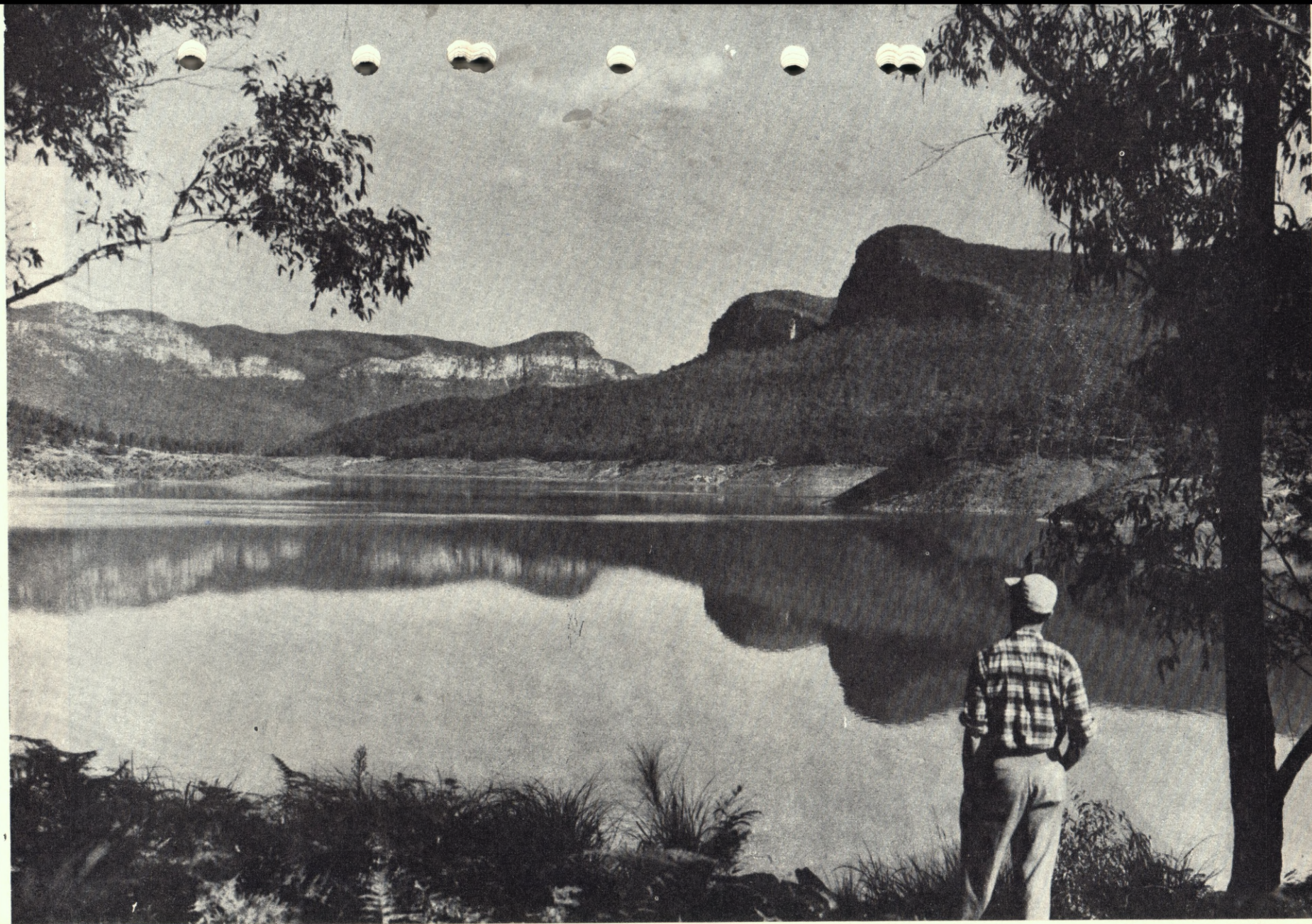
Homes and other buildings were also demolished before the rising water reached them, and from the little churchyard cemeteries at Lagoon Flats, Cox's River, and Upper Burragorang, the remains of earlier inhabitants were transferred to cemeteries at the Oaks, Old Hermitage, and Camden, according to the wishes of surviving relations.

*Burragorang Valley, showing clearing line above rising waters →*

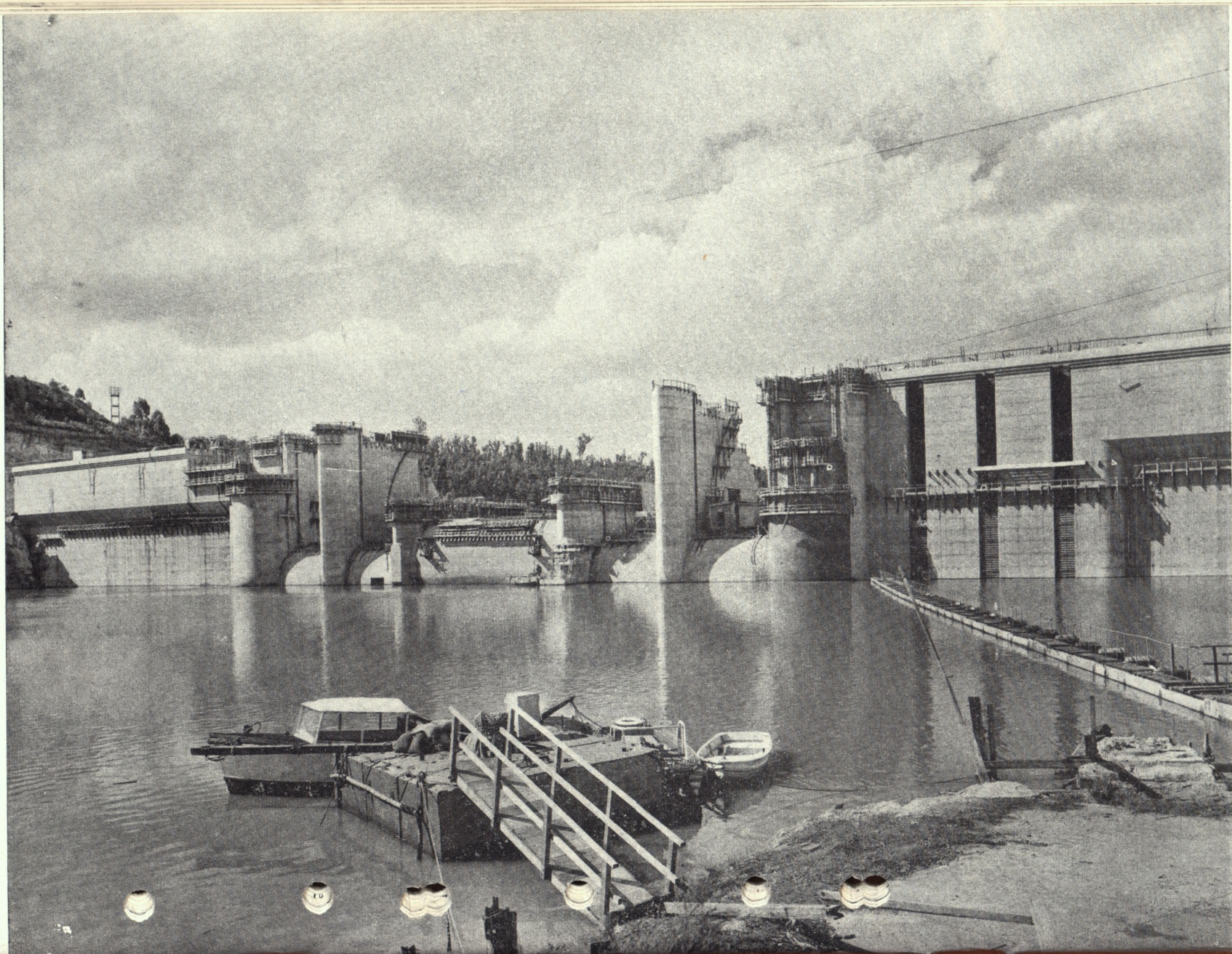


*One of the 40ft.-high radial gates on the crest of the drum partly opened. There are two radial gates on each side of the central drum gate.*











## The Turn of a Switch

From deep in the east bank training wall in front of Warragamba Dam, a hydro-electric station supplies sufficient electricity into the State grid system to meet the needs of 50,000 homes.

The station, built in conjunction with the Electricity Commission of New South Wales, was designed to make the best use of any surplus water from the dam. It was built at the downstream end of the training wall, to provide the greatest possible water pressure for the turbine, and to ensure that it did not interfere with work on the dam itself.

To protect the station against possible record floods, the walls rise 140ft. above river level, and are 10ft. thick, and water-proofed. Water from the dam flows through a 14ft.-diameter steel penstock embedded in the concrete of the dam. The penstock is 600ft. long. Water flows through it at the rate of 850,000 gallons a minute, and turns the 165-in rotor at 214 revolutions a minute, developing 69,000 horsepower.

The hydro-electric station is controlled by an operator in Sydney, 50 miles away. At the turn of a switch on the remote control panel, a signal flashes by landline from Sydney to Homebush, by micro-wave to Penrith, and then along the power lines to Warragamba.

Within three minutes, the station is in full operation, and its performance recorded by lights and meters in the remote control room in Sydney.

## The Flood Gates

The four radial gates and the central drum gate on the crest of the dam were installed for reasons of economy, and to provide some control of upstream flooding.

A dam must be built high enough and thick enough to withstand the rise of water above normal full supply level in time of flood. The opening of the gates on the spillway crest enables the flood to get away quickly, and so reduces the height to which the water level will rise. It is thus unnecessary to build the dam as high or as thick as would have been the case had gates not been installed.

The amount of flooding can be reduced to

some extent by opening the gates and quickly discharging the rising water.

The gates on Warragamba Dam were designed, and some parts made, in Scotland, the balance being manufactured in Australia after extensive tests both in Scotland, and at the Water Board's hydraulic testing station at Manly.

In normal conditions, the gates are set to operate automatically, controlled by the water level in the dam. They can also be operated by push-button from a control desk in one of the piers near the drum gate. Should the electricity supply fail in an emergency, they can be operated by hand.

By regulating the flow of the river to some extent, it is expected that the large storage capacity of the dam will help considerably to mitigate the effects of floods, which have hitherto caused so much devastation in low-lying areas beside the Nepean River.

## 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 Foreshores .....	220 miles
Hydro-electric Station .....	50,000 Kilowatts
Estimated Cost .....	£35½ million

—oOo—

Acknowledgements to Metropolitan Water Sewerage & Drainage Board for making available photographs and material used in this article.



← Upstream face of the dam.





*M.V. Princess of Tasmania.*

## TOURING TASMANIA

by PERCY SEWELL

### Part I — North-West Corner

The north-west corner of the Apple Isle was our first area to be taken in. The area is rich with a diversity of scenery, with beautiful farmlands, historical villages mellowed with age, thriving towns, and deep harbours and bays along the coast.

We left Melbourne aboard the recently-commissioned "M.V. Princess of Tasmania." The Princess has a capacity for 334 passengers, over 100 cars, caravans, and commercial vehicles, and also carries the Royal Mail. There are four decks for vehicles; two decks above water level, and two below water level. She makes the 217 nautical miles crossing of Bass Strait in 14 hours; eleven hours of which are during the night.

Landfall was made about two hours before berthing at Devonport, which lies at the mouth of the Mersey River, and it was at this point that we disembarked to commence our tour by road.

Devonport is the fourth largest town in Tasmania, and is the point from which numerous scenic attractions may be visited.

Our first leg took us along the coast to the town of Ulverstone, twelve miles from Devonport.

This town is known as the tourist capital of the holiday coast, and on most of the tourist folders is the slogan, "U for Ulverstone, Ulverstone for U." Like most Tasmanian seaside resorts, Ulverstone offers good sport for fishermen, and lies on the banks of the Leven River. It is the centre of a large agricultural district, having a population of 10,000. The town is backed by coastal hills, and within short walking distance are quiet glades with some of Tasmania's spectacular fern gullies.

Burnie was our next stop (population: 15,000). It is mainly a seaport industrial town, and less than thirteen years ago had a population below 4,000. The Associated Pulp and Paper Mills then commenced operations, and today produce most of Australia's fine printing and writing paper, and employ about 3,000 people. Their output is in the vicinity of £10 million per year.



Continuing on, we arrived at Wynyard, a prosperous and attractive farming district at the mouth of the Inglis River. Wynyard is shadowed by an arresting formation called Table Cape, which dominates the coast for some miles. From the vantage of Table Cape, glorious panoramas of the picturesque coast are to be had.

Turning inland, we drove south along the Waratah Highway, and from Wynyard to Waratah, a distance of 49 miles, the dirt road twists and turns through the beautifully-timbered Hellyer Gorge. Throughout the nine miles of this Gorge, road workers have taken time to trim the small bushes on either side of the road to form an attractive 3ft.-high hedge.

Waratah, nestling at the foot of Mount Bischoff, was once the site of what was considered the richest tin mining area in the Southern Hemisphere. All that remains today are the decaying remains of houses and structures amongst which a few people still live in the hope that Waratah will boom again.

— Next month: "The Rugged West." —

## PERSONAL PARS

AS HEARD ON THE GRAPEVINE

### BERRIMA

To Mr. and Mrs. Bill Brooks, a daughter, on the 30th April. Katherine Anne were the names chosen for the new arrival, and our apologies, Bill, for missing this happy event in our last issue. However, our congratulations are still in order!

\* \* \*

An ex-apprentice of S.P.C. will figure in an unusual ceremony on the 17th July.

Cornelius Joseph Croese, better known to us as Con, will be Ordained to the Priesthood in the Dominican Convent Chapel, Moss Vale. Later on the same day, a reception will be accorded him in the Convent.

Con is a brother of Bob, who is a Shift Foreman, and a son of Bill, who retired recently from the Company.

Two of Con's sisters, Shirley and Claire, also worked in our General Office some years ago.

### MARULAN

Roy (Barney) Creswick has been appointed Engineers' Clerk and Safety Officer. After leaving the Army, Barney worked for some years with a Melbourne newspaper, and in 1947, the Company sent him to their London Office for further experience. Later, when this newspaper was sold, he worked in Queensland and New South Wales.

Barney's parents have been residents of the Marulan district for more than 40 years, and his son is an apprentice Fitter and Turner with the Company.

We have also added Barney's name to the list of S.P.C. Newsletter representatives, in view of his past experience. Welcome aboard, Barney!!

\* \* \*

Electrical Apprentice, John Jervis' eyes were kept wide open during a recent 3 a.m. visit to a King's Cross all-nighter. Incidentally, his recently-acquired Renault will prove an ideal buy for visiting his girl friend in Goulburn when he returns to Berrima Headquarters.

\* \* \*

Kevin Bailey, for 13 years a familiar driver and figure on the bulldozer, has left to go into business in Marulan. His friends wish him everything he aims for in his new venture.

### ODE ON CEMENT SALES

(In Honour of our Recent Record)

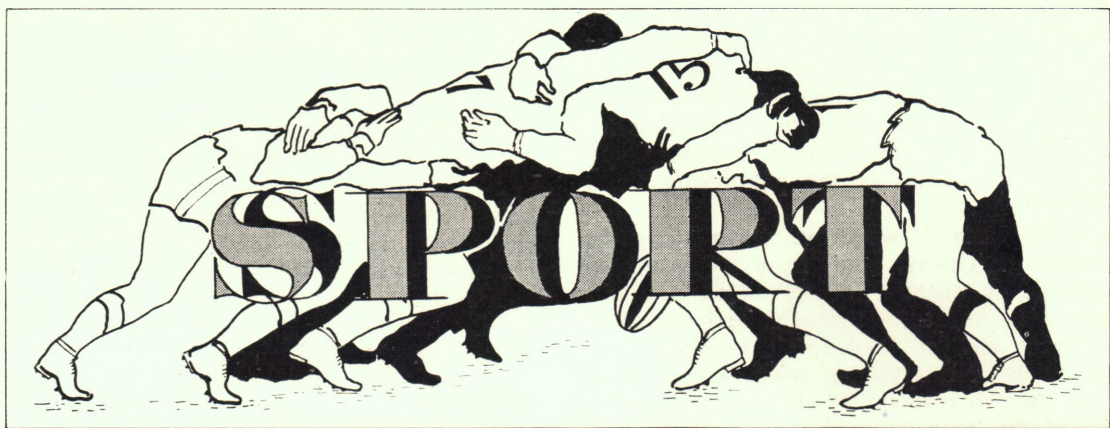
This Journal's policy precludes Advertising and display of nudes. Instead we'll use impressive figures Compiled with statisticians' sniggers To keep your thoughts at higher level.

It seems our salesmen—record bent—  
Have struggled, prospered, made a dent  
In sales of other rival Co.s.  
And yet they didn't step on toes,  
At least not too hard, for abuse  
Has not been threatened, nor the noose.  
Indeed, there have been no sequenda  
For sending in the lowest tender.

Raymond, Perini, Morrison, and Kaiser  
Have found, no matter what the size o'  
Jobs that they're required to fix,  
We'll be with them through thin and thick.  
So here's to us and to the fellers  
Who made a hit as record sellers.  
But let's not take success too meekly,  
We'll up the target by next weekly!

—Anon., Sydney Office.





## A ROUNDUP OF THE MONTH'S ACTIVITIES

### BOWLS

Since the last issue of our magazine, the weather has been most unkind to our bowlers. Two wet weekends and one very boisterous. However, in between showers and gusts of wind, some games were played.

Norm Sullivan was amongst the trophy winners at Moss Vale's mixed day. Norm, by the way, is also turning in some good performances in his club's carpet bowls singles.

We have quite a stack of carpet bowls enthusiasts, but probably none so keen as the honourable(?) Marcus Jones—he's got it down to a fine art. I believe he relies on this game for his weekend poultry—giblets and all! Was the chook still O.K., Mark?

At Bowral club during the month, a send-off was tendered to the ex-manager of our neighbouring coal mine, Bob Miller, and his wife. Some of our Colliery boys were there, Sid Hurst, Sandy Gallaway, Jim Bell, and Curly Ling.

Sandy Gallaway and his wife really take advantage of the mixed days, put on by the various clubs—I notice them quite often at Bunanoon.

John Fuller is still maintaining his good form, and was one of two skippers chosen to represent the Southern Tablelands Bowling Association in the zone trials, on Sunday, 25th June. His four had the best winning margin—12 shots. Nice work!

Point of interest—the form bowler of this district — singles champion of Moss Vale Club, Alf Tomlinson, was an employee of this Company for quite a number of years.

Len Knight, back from his holiday on Lord Howe Island, is full of praise for the

quality of the bowling green, and the good fellowship that exists on this island paradise. He didn't display any trophies won but, judging by the movies he has taken, it's easy to understand just why he'll be going back again next year.

One player in our midst who didn't mind the very wet holiday weekend, was Charlie Wheeler. The greens being too wet, Charlie concentrated on the machines and, whereas I'm not saying just how much he won, it's safe to say he's got his annual fees for several years. Who would play bowls!

\* \* \*

### FOOTBALL

Berrima is now in fourth position in the competition, having recently registered two successive wins.

The victories were over Picton, 9-8, and Robertson, 42-3. In the match against Picton, Berrima players were way off form, and played very indifferent football until the last few minutes, when they snatched a dramatic victory.

With Berrima down 8-4, Trevor Moore crashed over to score as the full-time bell rang. This left Pat Taylor the job of converting the try to win the match, which he did with an excellent kick.

The recent match against Robertson found the Berrima backline really on form, and with plenty of support from the forwards, Berrima was able to run up a "cricket score," to win 42-3.

Of the 12 tries scored, 10 were scored by the Berrima backs, who played fast, intelligent football, passing the ball around very well.



The best try of the match, scored by right winger, Don Garbutt, resulted from a back-line movement in which every back handled the ball, in a run that covered more than half the field.

Other tries were scored by: Ken Mott 6, Len Adams 2, Col Moore, T. Mott, and D. Maxted 1 each.

Goals were kicked by: Pat Taylor 2, and Norm Austin 1.

Harry Stevens made his return to the side, and turned in a solid display at outside centre.

Berrima was without the services of its halves, Terry Parmenter and Rod Taylor, but these two should be fit for the next match, against Bowral.

After the game on Sunday, 25th June, members of the football and cricket clubs farewelled the club coach, Herb Gilbert, at a small function at the hostel. Herb was presented with a striking wall clock in appreciation of the support he gave to our local sport in his stay at Berrima.

\* \* \*

## GOLF

S.P.C. employees have featured in recent matches at the Moss Vale Golf Club.

In the Club Medal event on the 3rd June, John Tickner came in with a nett 63 to beat Ernie Radnidge (nett 64). Both players shot a fine round and, of course, lost strokes off their respective handicaps as a result.

Ernie was lamenting the loss of two strokes, and went to the first round of the Jordan Cup with John Tickner, and again they performed well, winning their round. Liol Bush and brother Clive won their round also, and in the second round Claude Curran and Tim Tickner defeated Bert McIntosh and Kevin Howard 3 and 2.

At Bowral Country Club, there is rumour of an impending fire. Object of the conflagration is to burn a certain set of clubs belonging to our Sam Marshall.

Sam's game lately has been beset by mis-haps, and as Emerson once said, "A man should study ever to keep cool. He makes his inferiors his superiors by heat."

"If you burn 'em Sam, they'll beat you!"

\* \* \*

## MARULAN TENNIS

The cold, chilly days have not deterred tennis enthusiasts. The new courts were officially opened on June 11th, and most afternoons (except when it is too windy or sleety),

members find time for a practice game. Competitive tennis planned for the near future.

\* \* \*

## CARPET BOWLS

Equipment has been received for the newly-formed Carpet Bowls Club. Considerable interest is being shown by South Marulan residents and their friends, and it is expected that many interesting and friendly(?) ends will be played in the coming months. The inaugural meeting elected Stan Murphy president, Max Johansen secretary, and Mick Cosgrove treasurer.

\* \* \*

## SOCCER

The South Marulan Soccer Team — the Magpies — are offering keen competition in the local games. In the first match against Marulan 1, Maggies were downed 1-0, but the fight back was worth watching. But in the second they won 3-2, and in the third, forced United to a 2-2 draw.

\* \* \*

Marulan No. 1 Team — which includes S.P.C.'s Tony Cosgrove, Mick Cosgrove, Stan Murphy, Stan Kopec, Lionel Clack (Captain) — last year's premiers, are offering tough opposition. This was shown by their 7-0 defeat of Workers (Goulburn), on June 24th.

\* \* \*

## RIFLE SHOOTING

Rifle shooting in the Marulan District over the past 30 years has become more than a sport—it is an institution or a way of life. S.P.C. employees during that time have more than matched their sights against their club mates and opposing teams. S.P.C.'s Tom Shepherd and Trevor Pearson are among many who have had a long association with the club. The annual meeting on June 25th, elected the following office-bearers for the next year:—

Mr. J. A. Hogg, President; Mr. Trevor Pearson, Captain; Mr. Doug Taylor, Deputy Captain; Mr. A. J. Shepherd, Secretary; Mr. Reg. Baldock, Treasurer.

Reg., who is a Marulan storekeeper, enters his 28th year as Treasurer, and Mr. Hogg his 14th year as President.

Some cars have fluid drive — others have a drip at the wheel.

\* \* \*

No matter how poor a man is at mathematics, he knows that 36, 25 and 36 add up to a nice figure! !



# FISHING NOTES

Our regular correspondent has been hospitalised during the month, hence the rather sketchy coverage of the fishing spots usually visited by our local fishermen.

The canal has yielded poor catches during the past few weeks, due to the fresh coming down. Discoloration of the water has been excessive, and the addition of biting southerly winds has made conditions extremely poor.

Those who were keen enough to brave the elements and fish outside have had mild success, and a report from Sid Hurst (Colliery), supports this statement.

On the 24th June, in company with Stan Payne and Albert Manly, Sid embarked on a trip outside to see what could be caught. Leaving their moorings at Huskisson at 5.30 a.m., they fished wide of Stony Creek for a mixed bag of Morwong, Nannagai, and Schnapper, some of the fish up to 6 lbs.

Most of our fishermen, however, have taken the opportunity of indulging in other pastimes for the few cold months of winter, and those owning boats are carrying out the usual minor repairs in preparation for the spring.

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## Gardening Notes

By Mrs. C. Crowe



### JULY

**FLOWERS.** — SOW: Antirrhinum, Candytuft, Centaurea, Forget-Me-Not, English Marigold, Godetia, Linaria, Linum, Lupin, Mignonette, Nemophila, Sweet Pea.

PLANT: Roses, Evergreen and Deciduous Shrubs, Ornamental and Shade Trees, also Gladiolus, Tuberose, Japanese Iris, Flag Iris.

**VEGETABLES.**—SOW: Broad Beans, Carrot, Onion, Peas, Parsnip, Spinach, White Turnip, Cabbage, Kohlrabi, Cress, Lettuce, Radish.

PLANT: Asparagus, Rhubarb, Deciduous fruit trees, bush fruits such as Currants and Gooseberries, Strawberries.

Early flowering fruits such as Flowering Apricots, are coming into bloom now, jonquils and snowflakes are out and "Spring is just around the corner."

Attention should be given to the perennial border now. To keep perennials in good condition, the soil in which they are planted wants a thorough digging and manuring each year, and a complete overhaul of all the plants is necessary every two or three years. To do this, first of all dig out all the perennials and leave in a shady place while the soil is thoroughly trenched and manured. Now, divide and replant one portion of each clump of perennials in the border. Some of the plants left over can be placed in other parts of the garden.

All perennial plants which make spreading, clumpy growths, such as Perennial Asters, Shasta Daisies, Rudbeckias, Campanulas, Monardas, can be treated in this way.

In the vegetable garden, Winter digging and cleaning up should be finished this month. Finish pruning Fruit Trees and give them Winter strength sprays, after pruning. Spraying in the flower garden can be done at the same time. Give Flowering Fruit Trees a good spraying with Bordeaux Mixture as a preventive against Leaf Curl, too, now.

If you would like to raise some early vegetables such as lettuce under glass, now is the time to try. Tomato plants for later outside planting can also be raised in this way.

We have had lots of noise lately, as the Black Cockatoos have paid us a lengthy visit. At one time I counted twenty-six on one pine-tree, and there were a great many stripped pine-cones and twigs on the ground when they had finished their meal. These are called "Funereal Cockatoos," and are valuable, as they destroy the wood-boring larva in the trunks and branches of gum-trees. They are, of course, "**Protected Birds.**"

---

The young man from the country was taking his first bus ride. He lit up a cigarette and studied the advertisements overhead.

The conductor came to him and snapped, "What's the matter — can't you read that sign up there that says NO SMOKING?"

"Yeah," drawled the country boy, "but the one next to it says 'wear a Bestform Bra,' and I ain't paying no attention to either of 'em."

\* \* \*

Then there were the two guys who were stranded on a desert island when a bottle washed ashore. In it was a note that almost drove them nuts. It was a message from two gals stranded on a desert island.



## LET'S LAUGH

A puzzled little girl watched a party of fishermen putting off in their boat. "But, Mummy," she asked, "do the fish LIKE all that beer?"

\* \* \*

An old hillbilly woman came upon Number 13 of her 14 offspring playing in a hog wallow — up to his chin. "Son," she drawled, as she put her foot on his head and shoved him under, "I know I hadn't ought to do this, but it'll be easier havin' another one than cleaning you up."

\* \* \*

A middle-aged woman who obviously took great pains to hide her age, came up to the witness stand. The sympathetic judge looked at her and said, "The witness will please state her age. Then she can be sworn in."

\* \* \*

A woman went to the doctor to complain about her husband's obsession. "It's terrible, doctor," she wailed. "All the time he thinks he's a refrigerator."

"Well," consoled the medical man, "that's not too bad. Quite a harmless delusion, I would say."

"The delusion I don't mind, doctor," said the woman, "but when he sleeps with his mouth open, the little light keeps me awake."

\* \* \*

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'."

\* \* \*

Sweeney was a "sick-bay sailor" 1st Class; hardly a day went by that he didn't show up with a sore throat, a cut, fever, or an aching back. He naturally developed quite a reputation with the medics and corpsmen. Sweeney was good-hearted, nevertheless, and when I had to go to sick bay recently with an infected foot, he carried my gear for me. It was raining, so he stuffed my bag of laundry under his raincoat. We no sooner got in sight of the sick bay, than I heard a corpsman roar out to the doctor on duty: "Here comes Sweeney again. Now he's pregnant!"

## Letter to the Editor

In reply to A. J. Ware, Berrima, who, in the June issue of "Newsletter," urged people to look forward to the fun of retirement.

"I can't altogether agree with Mr. Ware that retirement is something to look forward to. It means the end of an era with which one has so long been familiar; and it starts a new one which often means bewilderment, uncertainty, financial limitations, and worst of all, loneliness.

Perhaps it could better be described as venturing into a dark night from a brightly-lit room after being dazzled by the brightness. One's eyes have to become used to it before the change can be understood.

Personally, I miss my old mates, their jokes, sharing their joys and sorrows, the hardships of the climate at South Marulan and, best of all, perhaps, the glass of ale at the end of the day.

I see them now only for a few minutes, and altogether feel out of it all. I wish Mr. Ware much contentment in his retirement, but, frankly, I am finding mine a little difficult at the moment."

Yours, etc.,  
"Tige."

Ed. Note:—Received from Mr. Tom Bailey, who retired from the Company during June.

## A FILM NIGHT

A film night on Wednesday, June 21st, was regarded as one of the best held for some time, with an attendance of more than 70.

Films screened included a colour on "Across the Antarctic," the Victorian Grand Prix, and numerous others dealing with motor car racing. "Stars" were well-known racing drivers, and some in the audience, since the screenings, have shown their prowess in their various makes of vehicles around the Marulan district.

After the films, supper was served by members of South Marulan Hall Ladies' Committee. Operators, Alf Diemar (the local schoolteacher), and Jim Galloway (electrician), were thanked for their good work. The films for the evening were generously loaned by B.P., whose district rep., Geoff Williams, was also present.



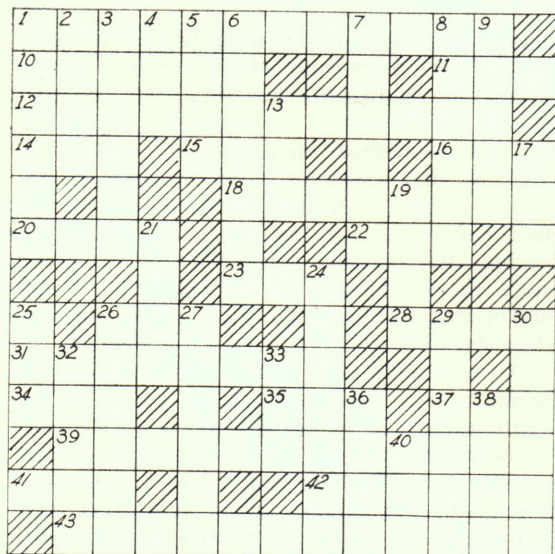
# — PUZZLE PAGE —

The result of Problem No. 28 is shown at right. Winner of this competition was R. F. Dray (Crane Driver). Congratulations!

## PROBLEM No. 29

### Across:

1. Capital of Brazil
10. Decorative
11. Organ
12. Deprives of possession
14. Direction
15. Fruit
16. Recline
18. Awaken concern in
20. Fling
22. Performed
23. Mode of address
26. Possesses
28. Augments
31. Excessive fullness
34. Salt
35. Ancient
37. Backward
39. Falling of value
41. Marsh
42. Part of a garment
43. Bigoted



M	E	L	A	N	C	H	O	L	Y	C
M	I	R	A	G	E	W	O	W	L	
E	R	R	O	R	S	N	O	D	O	
N	K	N	O	C	K	P	E	A	T	
C	I	U	N	R	O	L	L	S		
F	U	L	S	O	M	E	R	I		
C	A	R	E	E	R	E	S	T	E	E
C	G	B	A	L	L	O	O	N		
S	E	M	A	T	I	C	E	N		
O	T	I	C	T	I	R	E	S	F	
B	A	Y	E	D	E	P	O	S	E	
E	L	M	L	S	E	D	A	T	E	
R	I	N	F	I	L	T	R	A	T	E

### Down:

1. Gnawing
2. Flower
3. Sudden attacks
4. Drop the bait gently
5. School of note
6. Members of a religious group
7. Followed
8. Staggered
9. Fertile spot
13. Station (Abbr.)
17. Greek letter
19. Capital of Latvia
21. Thin piece of wood
24. Movement in art
25. Additional postscript (Init.)
26. This Saint is an island
27. Distributor
29. Challenged
30. How St. Stephen was killed
32. Loaded
33. Bird featured in Sinbad's adventures
36. Surrealist painter
38. Ramble
40. Number



PS

# SPC

Vol. 3, No. 8  
AUGUST, 1961

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**MONTHLY NEWSLETTER**

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SOUTHERN PORTLAND CEMENT LTD.

MARULAN — BERRIMA — MEDWAY — SYDNEY



# S.P.C. MONTHLY NEWSLETTER

*Distributed Monthly by:*

**SOUTHERN PORTLAND  
CEMENT LTD.  
BERRIMA, N.S.W.**

● **EDITOR**

*M. D. Hauber*

● **PRINTERS**

**Grant & Walker Pty. Ltd.**  
7a Norton Street, Leichhardt

● **ALL CORRESPONDENCE  
AND ENQUIRIES TO:-**

*The Editor  
S.P.C. Monthly Newsletter,  
PBS 4, Moss Vale*

● **COPY DEADLINE**

*1st of the Month*

Vol. 3, No. 8

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### - Departmental Representatives -

S.P.C. BERRIMA .....	R. GREAVES L. HUMPHRIES
MARULAN QUARRY .....	J. FELTHAM A. GUTZKE R. CRESWICK
MEDWAY COLLIERY .....	R. JONES
SYDNEY OFFICE .....	MISS J. LILLYMAN

### - Contributions -

GARDENING NOTES .....	Mrs. C. CROWE Berrima
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# EDITORIAL

Dear Readers,

The cement industry, like many others, is usually too concerned with the day-to-day activities of business to have time to assess the part it plays in the overall picture of Australia's development.

It is for this reason that we have been devoting articles typifying the development work going on and the part this company's product is playing in the growth of the country.

Last issue it was Warragamba Dam and for next month what better project than the Snowy Mountains Scheme. Here on the roof-top of Australia is a development as immense and imaginative as any in the world. The skills and efforts of this country's top engineers are making reality of what was only a farfetched dream a few short decades ago.

The Snowy Mountains Scheme has been a proving ground for both men and materials. It would be hard to imagine a project carried out in more arduous conditions, demanding more of workmanship and ingenuity.

Cement has played a major part in this vast scheme and next month we will show you where and how our industry is contributing to Australia's development.

True, we have had articles before on the Snowy but that was before we were able to give you pictures and you will all agree that one picture is worth a thousand words.

It was hoped to have the Snowy article ready for this issue, however, time and space precluded its inclusion.

On the credit side this month is a very accident-free record with 67 days showing on the board as this issue goes to press. Let's keep up the good work and see if we can get that green flag flying again.

Next month will see the completion of Mr. Schott's very interesting Travelling Abroad series which has covered in detail his trip with our General Manager last year. Our thanks indeed, Jack, for a fascinating travelogue and may we have some more articles from your pen? Our thanks also to Mrs. Schott who I believe has assisted you with the writing.

The surprise article I promised you has had to be postponed but may still come in the near future.

Until next issue,

Yours,

The Editor.

## General Manager's Notes

During the month of July our Quarry friends excelled their previous best with some meritorious performances.

On consecutive weeks they broke the tons per day record, the tonnages being 5,366 and 5,450 tons per day, the previous record being 5,230 tons per day.

The month ended with a record tons per day for the month of 5,176 tons, the previous record being 5,017 tons per day. On the final day of the month the daily tonnage record was broken, being 6,498 tons. The previous best day was 6,408 tons.

This fine effort was only made possible by the co-operation of all employees at the Quarry who battled on in spite of inclement weather at frequent intervals and shortage of power from Berrima.

Another meritorious achievement was the Cement Works achieving its second successive month accident-free, which reflects great credit on Management and employees alike for their endeavour to work as safely as possible. If this effort can be sustained, and I have no reason to believe that it cannot, we should again win the Works Section of the Cement and Concrete Association Safety First Competition.

# SAFETY

## FOR ALL



## ALL FOR

# SAFETY



# — PLANT JOTTINGS —

## **New Store at Marulan South**

Plans for the new modern £10,000 community store and post office at Marulan South were completed early this month.

The store will be located next to the newly-completed Community Hall and will be a milestone in the life of the village after proprietor, Mr. Les Cooper, moves into it from his present humble galvanised premises near the company office.

The old store, which has served so many hundreds of customers, was moved from an old site near the present tennis courts in 1929, soon after Australian Iron and Steel was formed and assets and leases of Hoskins Iron and Steel Limited taken over.

At that time about 300 men were employed and two boarding houses were operating about where the new hall now stands.

Mr. Cooper took over the store on 1st June, 1931, and during the last 30 years has seen

tremendous development in the Company with its huge expansion programmes, amenities and general growth of the surrounding districts.

It could be said that he has been an integral part of this development for nearly a third of a century. He has been a Mulwaree Shire Councillor for 28 years and served five terms as president.

The new store, of cement bricks, will have a post office with latest equipment, a manager's office, laminex tables for serving light refreshments and meals, a deep freeze, refrigerator, kitchen, ladies' retiring room, other toilets, an order room, wheat and grain section and, of course, all the modern trimmings of an up-to-date grocer's store. The overall size will be about 34ft. by 60ft.

### **New Record**

A five-day production record was created at Marulan South last month. The old record of 26,151 tons was registered in November, 1960, and the new record is 27,251.

## **TRAVELLING ABROAD**

By J. G. Schott — Part XI

Leaving London on 16th August, 1960 we flew by Comet IV Jet aircraft to Montreal in Canada in 9 hours 15 minutes. A short stop of 35 minutes was made at Gander, Newfoundland to refuel. The Comet is a beautifully designed aircraft to look at but is not as comfortable as the Boeing 707 for long distance flying.

From Montreal we travelled by train to Toronto which is on the edge of Lake Ontario. The train travels along the edge of the lake for many miles in the six hour journey and the countryside is clean and beautiful. Canada has a good summer climate but is extremely cold in winter with plenty of snow. During this summer journey, snow ploughs were to be seen everywhere ready for use when the winter closes in.

The Niagara Falls were reached by Grey-line Bus from Toronto and a few hours were spent here viewing the falls which are regarded as one of the wonders of the world. "Niagara" means "Great Thunderer of Waters" in the Indian language and its mighty roar fills the beholder with awe and admiration

as the rushing, swirling waters plunge ever onwards and over the great abyss.

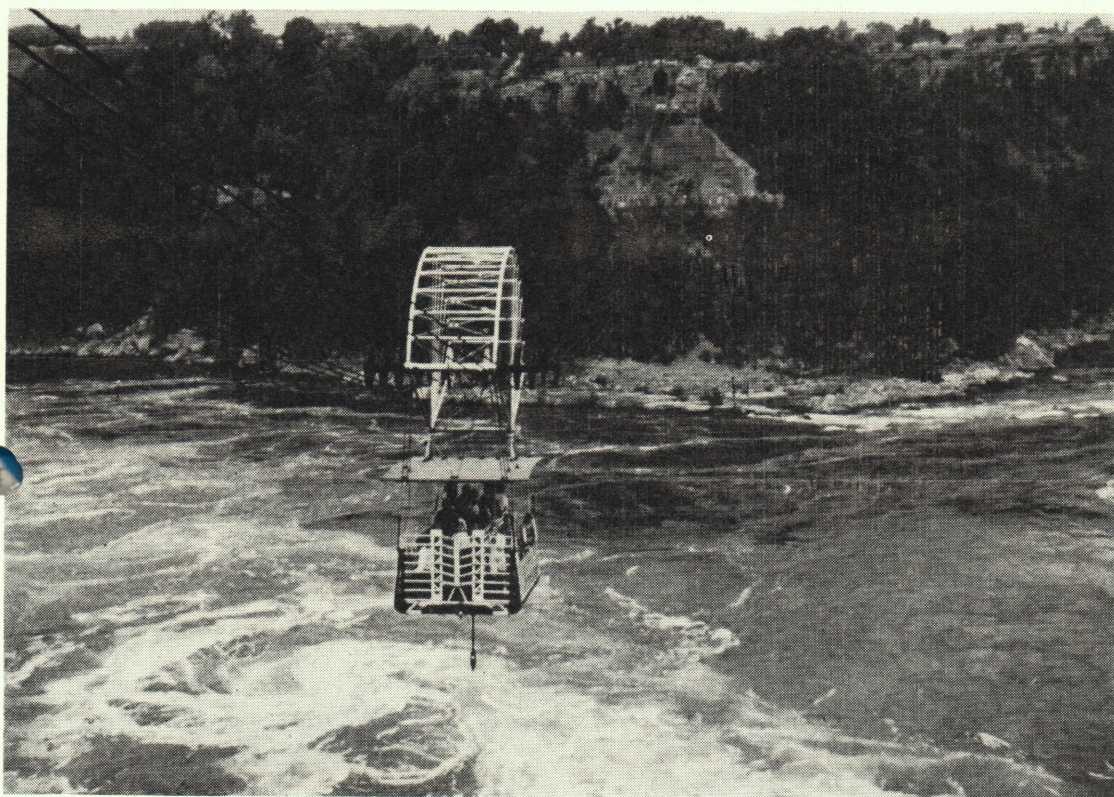
The Niagara River flows from Lake Erie to Lake Ontario forming a national boundary line between Canada and the United States, and at the brink of the falls is divided by Goat Island forming the American Falls, 100 feet high and the Horseshoe or Canadian Falls, which, while not as high, are some 2,500 feet wide.

The swirling waters again join and rush down the narrow gorge and create great rapids. About a mile down, the river turns sharply to the right and this has caused a wearing away of the bank to form a bay and here are the Great Whirlpool Rapids. We made a trip across these rapids in the cable car known as the Spanish Aero Car.

Water is going over the falls at the rate of 120,000,000 gallons per minute with means that in three minutes, more water goes over than the city of Sydney uses in 24 hours.

A few days before our visit a seven-year-old boy jumped from a disabled fishing launch above the falls with two life jackets strapped





*Top: The Spanish Aero Car  
Bottom: Niagara Falls in Winter.*





*Top: "Say, Bud, got a smoke?"*

*Bottom: Typical of the country and wildlife.*



to his body. He was swept over the falls and was rescued at the bottom unscathed. The makers of the life jackets purchased them from the lad for 7,000 dollars and took the boy on a tour of the States for advertising purposes.

No one is officially permitted to go over the falls in barrels any more but from time to time it still occurs as the law does not want to stamp it out. One place we visited had pictures of Blondin the famous tight rope walker, walking a rope across the falls and he did this on the occasion of the visit of Queen Victoria many years ago.

Around the falls area are the world-famous Oakes Gardens, laid out mainly by money provided by Sir Harry Oakes who made this area his home for many years before moving to reside in the Bahamas. At night the falls and gardens are illuminated by lights of 55,000,000 candle power in various changing colours.

Electric power is cheap and plentiful in this area, being produced by hydro-electric power stations which obtain their water from the falls. One power station, which was being built at the time of our visit, will produce more power than the whole of our Snowy Mountains Scheme.

From the falls we moved on to Buffalo, Cleveland and thence to Detroit, where we travelled in the famous Wabash Cannonball train to see the Dundee Cement Plant where the largest cement kilns in U.S.A. are installed.

Our next point of scenic interest was Banff, in the Canadian Rockies, and we motored up from Calgary, driving through the foothills among which are many acres of Indian Reserves (mainly Black Feet) and over the lower ranges of the mountains. Banff is situated 4,538 feet above sea level in the centre of the Banff National Park and is the oldest of Canada's national playgrounds. It contains regions of majestic alpine grandeur and embraces a veritable "sea of mountains;" the ranges rise one behind the other in parallel

lines to a height of 12,000 feet. The town is nestled in a small valley with the Bow River racing through the middle and the area is heavily timbered with many varieties of trees, mainly spruce, aspen, firs and birch. The aspen tree attains a height of 90 feet and glitters like gold in the autumn among the more stately evergreen trees.

One of the greatest attractions of Banff is its wildlife. In the area are to be seen nearly all big game animals native to the Rocky Mountains and many of these were seen from the park trails and the highway. During a half day tour, Rocky Mountain sheep, the picturesque "big horn" goats and black bears were sighted and the black bears stroll over and look into cars when stopped beside the road. These bears are noted for begging for sandwiches and candy bars from motorists and frequently disrupt a foursome on the golf course by lumbering into the woods with the ball. Fortunately for the villagers' peace of mind these black bears are not particularly interested on dining on humans nor are they particularly hot tempered. However, motorists are warned to keep the window of their cars closed when parked beside the roadside.

The Canadian Mounted Police use Banff as their headquarters and a story is told that during the last war when the plains of Alberta were dotted with military airfields, Banff was a favourite weekend resort for trainees from England, Australia and New Zealand. On one such weekend the Mounted Police were summoned to the home of an old settler because neighbours were complaining about the noise.

"I finally forced myself into the living room," said the Mountie. "I should say it was quite crowded. There were about a dozen Aussies and their girl friends. What really made it crowded, though, was a horse standing in the middle of the room with an aviation cadet on its back whooping, 'Hi-Ho Silver!' I had some difficulty extracting the horse, because somebody had put an Indian bonnet on its head, which caused it to buck."

## OBITUARY

It is regret that the Newsletter reports the passing of Norman Reid, who who was associated with the Company over a long period. For some time he was a fireman on the steam shovels, and when he returned after an absence in 1952, he spent most of the next eight years as a greaser on the conveyor belts. He retired in December, 1960, because of ill health. To his family we offer our sincere condolences and sympathy.



## **RULES OF EMPLOYEES' WELFARE SICK & ACCIDENT FUND**

1. This is not a registered Friendly Society and is not bound by any act applying to Friendly Societies, and is to be governed by the Committee duly elected by the financial members of the fund, from time to time as contained in these rules.
2. (a) The Committee of five (5) members shall be elected at every Annual General Meeting and shall act in an honorary capacity and shall be allowed full discretionary powers, and whose decisions will be final, on any matters relating to payments from the funds.  
(b) The Committee shall, on the requisition of not less than one-fifth of the total number of members forthwith proceed to convene a special general meeting of the fund and any resolution at such meeting must be carried by a two-thirds majority of those present.
3. The funds shall remain at all times the sole property of the financial members, and shall be used only for the alleviation of distress caused through sickness or accident or death.
4. (a) Funds shall be raised by a subscription of 3/- per week per member, deductible from each pay by Southern Portland Cement Limited, and paid by them to the fund account at the Commonwealth Savings Bank, Moss Vale.  
(b) **NO CASH PAYMENTS WILL BE RECEIVED FROM MEMBERS BY COMMITTEE OR MEMBERS AS PAYMENT OF SUBSCRIPTIONS.**  
(c) No refund of any subscriptions will be made by fund on termination of employment or retirement from S.P.C. Ltd.
5. (a) No member shall have this 3/- per week deducted whilst receiving sick benefit from this fund, or whilst in receipt of Compensation, in other words, whilst not receiving pay from the Company.  
(b) **MEMBERS WILL NOT BE EXEMPT AS ABOVE WHILST ON ANNUAL LEAVE OR LONG SERVICE LEAVE OR SICK PAY FROM S.P.C. LTD.**
6. The Fund will commence being as such from 27th July, 1961, when the first subscription shall be deducted from members' pay, and shall be the date on which the existing Sick and Accident Fund shall cease to exist, and their funds taken over by the above S.P.C. Employees' Welfare Sick and Accident Fund, and administered for the first twelve months by the Committee, i.e. F. S. Bonnar (Chairman), A. Knapman and H. Garbutt (retiring members of the old fund), L. Humphries (Employment Officer) and L. Bush, all duly elected by the accredited Union Shop Stewards at a meeting held 19th June, 1961.
7. The financial year shall be from 1st July to 30th June, and an Annual General Meeting, presentation of Balance Sheet and Election of Officers shall be called within two months after 30th June of each year. The elected Committee will then elect their own Chairman and Secretary.
8. (a) All members or intending members, by the signing of the Authority to deduct subscriptions from their pay, will by so doing, automatically accept all the rules as set out herein, and accept the discretionary decisions of their committee.  
(b) Provided, however, that the benefit shall not be payable if, in the opinion of the Committee, the member has concealed any disease or bodily infirmity with which he was afflicted at the time of his admission, registration or re-admission, or whose declaration then made shall have been wilfully false in any respect.
9. (a) Any new member accepted to the Fund is subject to one month qualifying period from the receipt of his first pay deduction. This clause does not apply to financial members of the old Fund who receive benefits immediately but will be subject to following Clause 10.  
(b) **MEMBERS MAY BE EXPELLED FROM THE FUND BY THE GOVERNING COMMITTEE BUT MAY**



## APPEAL AGAINST SUCH DECISION.

10. Seven days must elapse from "signing on" period accompanied by Doctor's Certificate or documentary evidence before a member becomes eligible for Benefit from the Fund, any waiting period preceding any further periods of sickness in any 12 months, will be considered on its merits by the Governing Committee at their discretion.

## 11. BENEFITS

- (a) To pay each member not more than £10 per week or portion thereof, being pro rata on a five day working week, subject to foregoing clauses, for a period of not more than 25 weeks in every 12 months, or longer at the discretion of Committee.
- (b) To assist in the alleviation of any distress caused by sickness, accident or death.
- (c) ALL PAYMENTS SHALL BE MADE BY COMMITTEE, BY BANK CHEQUE ONLY, SIGNED BY ANY

## TWO MEMBERS OF GOVERNING COMMITTEE.

## 12. EXCEPTIONS TO CLAUSE 11.

No benefits will be payable to members being a recipient of Workers' Compensation from S.P.C. Ltd.

13. If and when the accumulated funds reach a figure of £3,000 revealed in any Annual Balance Sheet, that Annual General Meeting shall consider and decide future Policy and direct the Governing Committee accordingly.

## 14. THE GOVERNING COMMITTEE MAY DRAW CHEQUES TO COVER EXPENSES ONLY FOR ADMINISTRATION OF THIS FUND.

## APPENDIX

Any reference used in these rules such as:—

"Committee" shall mean the elected governing committee.

"Fund" shall mean S.P.C. Ltd. Employees' Welfare, Sick & Accident Fund.

S.P.C. or S.P.C. Ltd. shall mean Southern Portland Cement Limited.

# TOURING TASMANIA

By Percy Sewell

## Part II — The Rugged West

Leaving Waratah early the next morning we drove along the remaining 11 miles of road in the north-west corner to a small town called Guilford Junction, where it was necessary to have our car loaded onto a train.

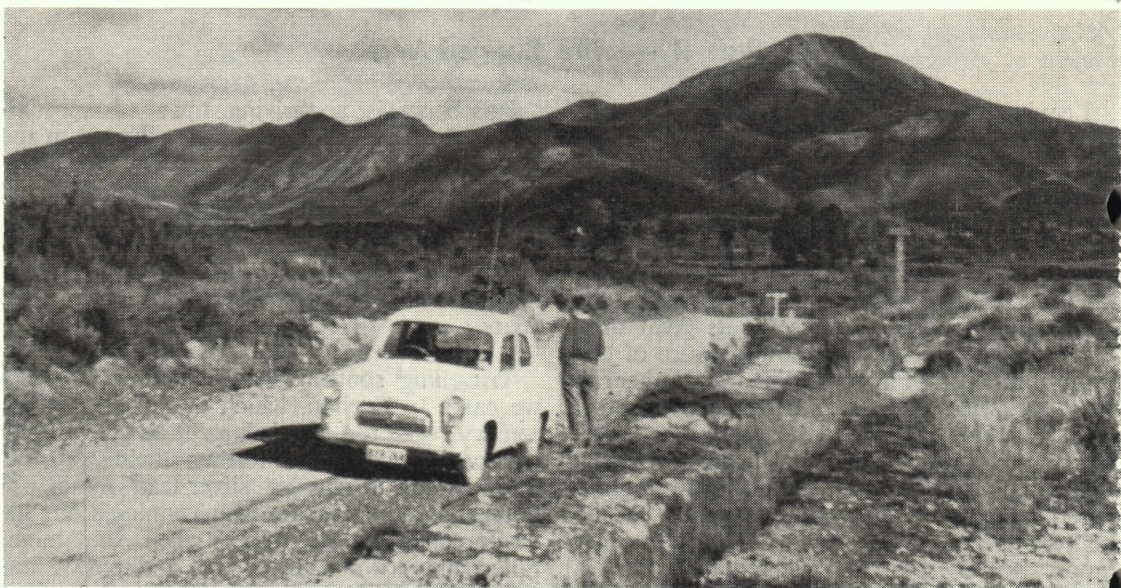
For the next 33 miles we sat back and travelled through dense rain-forests and rugged hills and crossed the tremendous gorge of the Pieman River, once famous for its great mineral wealth. Another interesting feature of this train journey is Farrell Siding. It is the rail head of the Tullah Train ("Wee Georgie Wood") which carried pyrites between Farrell Siding and the mining township of Tullah, 9 miles into the towering Murchison Mountains. Another spot on this train trip which would be very pretty in the spring time, is a section (approximately 8 miles) where both sides of the line are dotted with waratah bushes.

Just over two hours after leaving Guilford Junction we arrived at Roseberry, where we had our car unloaded, and continued our trip by road.

Roseberry is a thriving town of approximately 3,000 and is attractively situated in the Pieman River Valley at the base of Mt. Murchison, 4,400 feet high. This town would not exist today if it was not for the Electrolytic Zinc Company, which, in 1936 perfected a satisfactory extraction process and re-opened the mine which had been closed for over 25 years.

Travelling south-west for another 20 miles we came to Zeehan, which at the turn of the century was the third largest town in Tasmania, the population then being 10,000. There were dozens of silver-lead mines, 23 hotels and even a steam train running along the main street. After 1908, when the mines failed, the town almost died and today, less than 1,000 residents remain. Zeehan has many traces of its former boisterous existence as a booming mining centre. Among them are the numerous hotels, the decaying public buildings and theatres, and one hotel still bears





*Top: A Tasmanian Steam Engine.  
Bottom: Typical Tasmanian Countryside.*



the name "The Gaiety," so you can imagine what a wild west town Zeehan was. There is still an anticipation of a revival from new discoveries and a number of companies are intensifying the search for mineral deposits.

Turning south and leaving the "ghost town" of Zeehan behind us we drove for another 25 miles to the chief town on Tasmania's west coast, Queenstown. The headquarters of the Mount Lyell copper mines is at Queenstown, and these mines are some of the largest in the world. Queenstown is a strange place. It huddles among a hundred or more hills, all of them multi-coloured and bare, just as if mother nature had forgotten to dress them. This spectacular view extends for several miles, taking in nearby Gormaston and another "ghost town," Linda. Our impression of this spectacular view before us was that we had arrived on the moon. Gold was first discovered at Mount Lyell back in 1885 and a few years later (1891) the immense copper deposits were recognised. The town then grew overnight (today's population, 6,000 approximately). All the hills were cloaked with magnificent forests during the early mining days. The townsfolk say that the timber cutters started the decimation when they cut down trees to feed the smelting furnaces. Then the sulphur fumes killed off everything above ground level and once the ground was bare the rain completed the damage. It washed away the topsoil, then the subsoil. Today, midst warm browns, greys, blues, pinks, greens and whites of the surrounding hills it would be possible to collect all the remaining firewood in a wheelbarrow. The rainfall of between 100" to 200" per year fails to quench the brilliance of the colouring. For the garden lovers it is necessary to travel several miles beyond this desolation to obtain soils for the stony back yards.

A small amount of gold, still mined here, is sent by rail and sea for final processing at Port Kembla, New South Wales.

In the 1890's there were 20 hotels. Today, there are only 9 left. However, Queenstown is typically Tasmanian, still retaining the atmosphere of the old mining days when the town was queen of the rugged West Coast.

**Next month:** From Water to Power.

Two goats were sorting through the rubbish in the rubbish tip, eating bits and pieces. One came across a roll of film and began to eat it. "What's that like?" said the other goat. "Not bad," was the reply, "but nowhere as good as the book."

## PERSONAL PARS

### MARULAN:

#### The Oldest Home?

Marulan South Storeman, Bill McCallum, is proud of the fact that he is living in one of the two oldest standing homes in Marulan. Deeds in his possession indicate that the house was first occupied in 1836. The other home, opposite, near the railway bridge, is owned by Mr. Alf Jennings. This was an early way-side house and changing-place for the mail coaches, travelling between Sydney, Goulburn and points inland.

When the railway went through in the 1860's, the yard at the rear of Bill's house was divided in half and when renovating his house after moving into it in the mid 1930's, he found several old coins.

One was dated 1746 and others were of Spanish origin. This is feasible, since some of the currency of the young Australian colony was Spanish.

Bill says the house was built of red turpentine wood and the ants and march of time have not caused any damage.

\* \* \*

Master of Apprentices, Mr. Bill Saker, from Berrima, visited the plant on 5th July. He interviewed the six apprentices at Marulan South and explained many points about the Company's training scheme.

\* \* \*

Congratulations are being received by Mr. and Mrs. John Blunt, on the arrival of a daughter, their fourth child.

\* \* \*

Marulan South apprentices, E. Read, E. Cooper, M. Creswick, N. Steffensen and J. Hardgrave, visited the Berrima plant on 12th July. They were shown around by their Master, Mr. Saker. Eddie Read has now taken up duty at Berrima for the last six months of his cadetship. He will be replaced at South Marulan by Graham Carey, 5th year apprentice, from Berrima.

\* \* \*

Peter Cooper has returned from his holidays, but his intention of visiting the Gold Coast fizzled out. Instead, he saw what he could of his dreams on his TV screen.

\* \* \*

We are pleased to record that Mick Cosgrove, Jack Archer and Merv. Haskell, are progressing after hospital treatment.



Wedding bells for Howard Rowley and Alice Bulger, on 26th August. They will be married in Goulburn and the reception will be held in the Marulan South Community Hall. After their honeymoon, they will take up residence at Marulan South.

Their many friends gave them a kitchen tea at which good wishes were expressed and useful gifts presented.

\* \* \*

Another popular workmate to go off the deep end was Geoff Bell, late last month. Geoff was married to Carmen Carnock at a quiet ceremony in Goulburn. Their honeymoon was spent caravanning along the coast. Congratulations, Carmen and Geoff.

\* \* \*

### Help for the Girls!

Quarry Superintendent, Kevin Howard, has sent a series of coloured and black and white photographs with captions, samples of limestone and an outline of operations at Marulan South to two Queanbeyan girls.

They are Misses A. Morrison and J. Goldwater, of Casa Maria, via Queanbeyan. Both girls attend a Canberra High School and are working on a project for a school competition that will entail the making of a model of the quarries.

Information sent to them included a brief history of the quarries—from the time of their discovery in 1826, by Captain Charles Sturt, to the huge expansion that has taken place since the S.P.C. took over, more than 30 years ago.

The girls say they are confident of winning a prize, but, unfortunately, were unable to make the trip for a personally conducted tour of the area. The model they will make will be on display in Queanbeyan and Canberra and will be a valuable medium for publicising the S.P.C. as well as assisting the two young damsels with their studies.

\* \* \*

### Mr. Chaplin Retires:

After working for 18 years at S.P.C., Marulan South, Mr. A. D. Chaplin, known as "Charlie" to his mates, decided to call it a day on 3rd July.

He had suffered indifferent health for some time and he felt the time had arrived for retirement. He was a shovel driver when he retired. Before joining the Company, he worked for some years with another company,

at Charbon. His only son, Allan, is a shift foreman at Marulan South.

Best of luck in retirement, Charlie!

### COLLIERY:

A run of births highlighted the news at the Colliery, last month, with the following people becoming proud parents:—

To Mr. and Mrs. A. Allport, a daughter.

To Mr. and Mrs. G. Whitby, a son.

To Mr. and Mrs. N. Brittle, a daughter.

Congratulations to you all! We hope that mothers and babies are doing well.

### BERRIMA:

To Mr. and Mrs. Col. Murray, a daughter, born on 13th July. Jennifer Anne are the names chosen for the new arrival.

Mrs. Murray was formerly of the General Office and no doubt all of her many friends will be interested in the picture below.



*Anne and baby Jennifer.*

\* \* \*

Miss Rosemary Layton, of the General Office, announced her engagement to David Chesterfield, of Penrose, during the month.

Congratulations, Rosemary, and don't forget to let us know the date of the wedding.



You may remember that during the month a story appeared in the local and Sydney Press regarding the results of Jim Middleton's gardening efforts in producing a cauliflower-cabbage, complete with Brussels sprouts.

A remarkable vegetable, no doubt, and pictured below is the offender, slightly droopy at the time of photographing, but none the less authentic. Jim's daughter, Daphne, displayed the "thing" in the back yard.



## LET'S LAUGH

A Martian dismounted from a flying saucer in Sydney, went up to a parking meter and said, "What's a beautiful girl like you doing hanging about the streets?"

A missionary travelling through the jungle met a lion. Flight was hopeless; he fell to his knees in anxious prayer. A few moments later he was greatly comforted to see the lion on his knees beside him.

"Dear brother," said the relieved missionary, "how delightful it is to see you join me in prayer when a moment ago I feared for my life."

"Don't interrupt," said the lion, "I'm saying grace!"

George: "Say, Sam, what time in your life do you think you was scared de most?"

Sam: "Once when ah was callin' on a married girl an' her husband came and caught me in-de cot. Boy, was I scared."

George: "How sure ah you dat dis wuz de worse scare you had?"

Sam: "I'ze sure, cause her husband said to her, 'Sally, what are you an' dis white fellah doing?'"

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!"

"I have never had the pleasure of meeting your husband," said the caller. "What's he like?"

"A very ordinary type," answered the wife. "About fifty around the middle, forty around the chest, one hundred and thirty round the golf course and a blasted nuisance round the house."

Sentry: "Halt! Who goes there?"

Returning A.W.O.L.: "Friend, with bottle."

Sentry: "Pass friend; halt bottle!"

## A ONE DAY TRIP

As promised in last issue, I have produced, this month, a map of the Warragamba Dam area together with a short article.

Motorists prepared to brave the weather for a family outing to this area will find the trip from this district to Burratorang and back most refreshing.

Burratorang Lookout has fireplaces, kiosk, picnic tables and benches—many of them in secluded bush settings, overlooking Warragamba Lake.

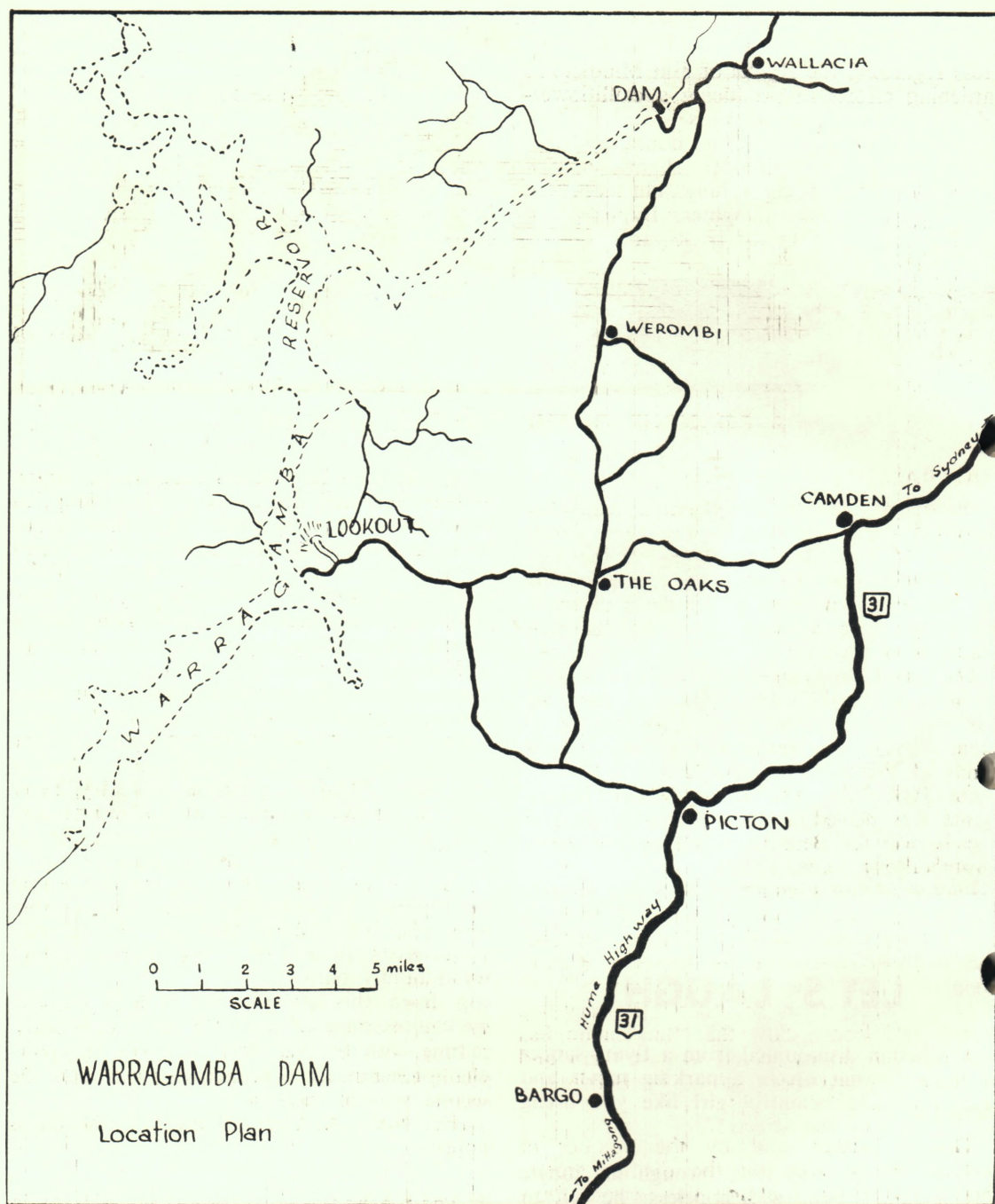
The road from Picton to The Oaks, although bitumen for only part of the way, is in good condition and offers no trouble in any weather.

For the amateur photographer, this area opens up a vast new field with plenty of bush and rural scenery, together with many fine views of the Warragamba Lake, from the Burratorang Lookout.

All in all, a trip worth making.

(See next page for map)





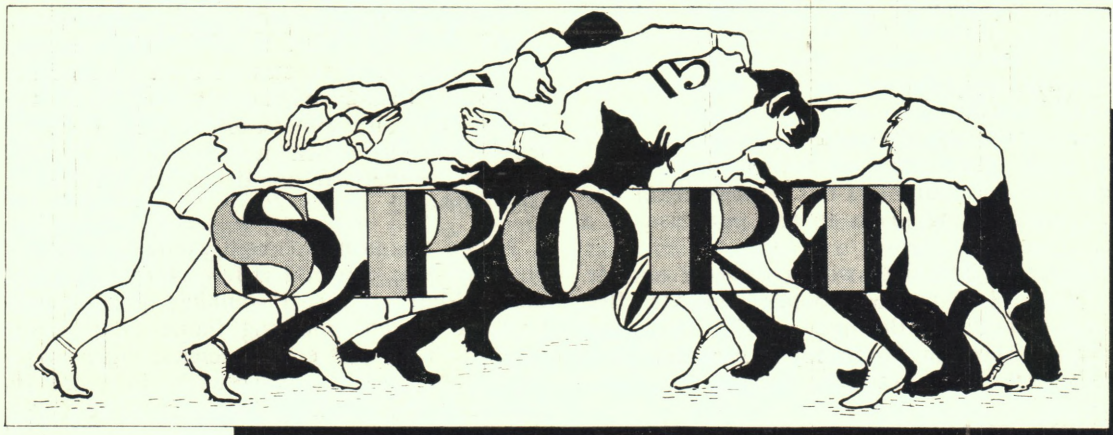
A tough Army sergeant entered the barracks, where a group of recruits had spent their first night, switched on the lights, and bellowed: "All right, you guys! It's 4 o'clock."

"Four o'clock," gasped one recruit. "Sarge, you'd better go to bed. We've got a big day tomorrow!"

"I wouldn't be too worried about your boy making mud pies," said the psychiatrist to the worried mother. "And the fact that he sometimes tries to eat them is also quite 'normal.'"

"Well, I'm still not convinced, Doctor," replied the woman, "and as a matter of fact, neither is his wife."





## A ROUNDUP OF THE MONTH'S ACTIVITIES

### FOOTBALL:

During the month the Berrima team has acquitted itself well and is now in a strong position to enter the semi-finals of the District Competition. However, to come out on top the team will have to maintain its training programme as laid down by the new coach, Ron Stafford.

The match on Sunday, 23rd July, was played in poor weather conditions, and the team was weakened by the absence of four of its usual players. The result was a defeat at the hands of Picton, who won easily, 10-2.

On 16th July, The Kevin Moore Benefit Game was played at Bowral and resulted in a close win for Berrima, defeating the strong Campbelltown team, 12-11.

Playing at full strength, on its home ground, the Berrima team defeated Bowral 17-7, in a fast open game. On the following weekend, a defeat was suffered at the hands of Bundanoon, who ran away to end the match 23-9. It is interesting to record that, following this match, the scores show that Bundanoon has had only 26 points scored against them and of these, 19 have been scored by Berrima.

### BOWLS:

This is winter, and by the number of bowlers to be seen on the district greens, there can be no doubting the season! Only the very keen are braving the elements.

Jack Douglas is one bowler who forgets about the weather when there is a chance of winning something to eat. Chickens are on his list! Playing at Bowral during the month, in a pairs game, Jack made sure of his Sunday dinner, by pairing with the Southern Tablelands President, to take out the first prize—chooks!

Our Marulan boys haven't a green on which to play, but they are really pushing things in their Carpet Bowling Club. They have about 20 male and 10 female members. All as keen as mustard. They play as much as three nights each week. At the present time they have only one mat, but are striving for a second one — then it will be look out to all and sundry!

Just a thought! This could lead to an inter-works competition. Marulan are all for it.

Our bowlers are keen workers for the various clubs in the district—Jack Mott is once again Moss Vale Bowls' secretary, Peter Berry is on the Committee at Bundanoon and Alwyn Counsell has been elected as a District Selector for the next twelve months.

There is no doubt about it, the things that can happen to a bowler when the weather turns sour. Our Works Manager—he's usually keen—has been seen on at least two occasions, watching football!

I shouldn't write this, but to help counteract the shortage of news I'll tell. Yours truly, pairing with brother Wilf, has won the pairs championship at Bundanoon Club, for the second year in succession.

(Ed. Note: Al Counsell prepares the bowls notes!)

### MARULAN

#### Cricket Averages

South Marulan showed up well to the top of the cricket season first grade averages last season, and hopes are held that even better figures will be made during the coming season. Len Pole, topped the batting with 45, 25; Tony Cosgrove was third with 22, 25 and Lloyd Veal (now at Berrima) 16.1. In the



bowling Lloyd Veal was second 21.7 and Len Pole 26.5.

## **CARPET BOWLS**

Carpet Bowls has proved so popular, since the club was formed less than two months ago, that the equipment has been paid for and thought is being given to the purchase of a second carpet.

Generous donations were received from Mr. J. McNicol, Mr. Les Cooper and Mr. Bob Rees (Marulan). Bowling is now a regular part of Marulan South night life and some creditable ends have been played.

## **WITHOUT BIAS**

A player with an unbiased football mind is Mick Cosgrove. On Saturdays he plays with Marulan Soccer Firsts and on Sundays plays in a Rugby League competition. Other S.P.C. men in the League team are Geoff Cosgrove, Bluey Rees, Kelvan Cosgrove, K. Collier and Vic. White.

## **MARULAN:**

### **Star Cyclist**

Ray McCallum, 13-year-old son of S.P.C. Storeman. Bill McCallum, has qualified for the N.S.W. Schoolboys' Cycling Championship, at Bondi, on August 29.

He won the Southern Division final over five miles at Goulburn, on 2nd July, and during the race, never looked like being defeated. He was first at the turn and finished strongly, to win by 30 yards.

Ray, who is in his second year at Goulburn High School, is one of the outstanding young riders of the district and is in his second year of road racing. In his first year, he qualified for the finals of the track championship at Goulburn, and was narrowly defeated into second place. On the road, he won the championship, as well as the times trial championship. He has also won many events at Moss Vale and the Bargo Wattle Fair.

Another local junior, Tony Shepherd, son of fettler, Joe Shepherd, is also showing promise, having won several trophies.

## **SYDNEY:**

It was a weekend of thrills and spills for all those who attended the National Open Meeting at the Warwick Farm Motor Racing Circuit on Sunday, 30th July, 1961.

Motor racing, particularly in New South Wales, is fast developing into the most exciting and popular of the spectator sports.

Thrills galore studded the day's entertainment! After all, what could be more exhilarating than seeing a custom built Lotus Elite coupe (worth approximately £5,000) jump ten feet in the air, somersault and land on its legs—especially when it's not your £5,000? Luckily, neither car nor driver, in that order, was damaged.

And if this is not enough excitement in any one day, you can add a few other trivialities like a Maserati 300 S spinning on a hairpin bend, a Porsche shooting flames and smoke from the rear, and even a female driver striking terror into those staunch male hearts following, by braking 100 yards before a turn.

Without a doubt the hero of the day was a tiny Austin Healy Sprite, which ran third in the Grand Touring Car Championship. Who, of us, could help a sneaking feeling of delight that this "baby"—a car not beyond sight of the average man—could beat the big boys so soundly? No wonder the spectators cheered with such gusto.

While this sport is not one for the timid of heart, anyone who enjoys a bit of spice with their living will find it the greatest.

No hints, but if you have the time and the inclination they're racing again on 27th August. Place—Catalina Park, Katoomba.

## **SOCCER:**

On Sunday, 30th July, a soccer team, composed of Berrima S.P.C. employees, played a Marulan S.P.C. team at Marulan. The game resulted in a 12-1 victory for Marulan.

It is hoped, however, that with serious training and coaching, the outcome will be somewhat different, when a return match is played in the near future.

This game was organised with the idea of encouraging anyone interested in soccer to form a team or teams from the plant which, together with two or more teams from Marulan S.P.C., could initiate an inter-works competition.

Any employee wishing to participate in the sport is requested to contact Bob Magnus, of the Machine Shop.

In conclusion, all members of the Berrima team would like to congratulate Marulan players on their high standard of sportsmanship and look forward to the return match. Thank you, Marulan, for a most enjoyable game!



# FISHING NOTES

The fresh in the river still makes fishing there a "blue duck." However, given a good tide, I should say that beach fishing at Comerong should yield some results. Fishing an outgoing tide there, at the weekend, gave no results, although the water looked good.

"That man, Smith," from Nowra, seems to have plenty of know how, having landed over 100 whiting in one catch on the ocean beach at Sussex Inlet, recently. It seems that one should go for the trout! If you do, remember, that in N.S.W. it is illegal for any person to fish for trout unless he is the holder of a licence authorising him to do so.

The licence to fish for trout in N.S.W. costs 10/- per year for an adult and 5/- for a person under 18 years of age. The only lawful method of fishing is by means of a rod held in the hand, with either a gaff or a landing net to supplement this equipment.

No bait other than natural flies or insects, or the larvae thereof, or worms, or artificial flies, minnows or insects or spoons or flashes, may be used. In some streams there is a further restriction on the use of bait. These streams being limited to the use of artificial flies only.

The daily bag limit per fisherman is ten fish. In the whole of the waters of that part of the Murray or Hume River and Hume Reservoir, extending approximately one mile downstream, and one mile and 30 chains upstream from the face of Hume Dam the bag limit is five trout per day. It is an offence for a person to continue to fish on a day, on which, he has already taken the bag limit. It is an offence for a person to retain either brown or rainbow trout less than 12" in length.

The closed season on trout in N.S.W. extends from 1st May until 31st August.

The closed season for bass is from the first Monday in May to the Friday preceding the first Monday in October. This law applies to the whole of the rivers, creeks, lagoons and their tributaries, east of the Great Dividing Range. The capture of bass is restricted to the use of hand line or rod and line. Maximum legal length is 11 inches. West of the Great Dividing Range, the capture of all fish is totally prohibited during September, October and November, except that trout may be taken by fishermen possessing a licence. The bagging and selling of trout is prohibited. Inland fishing in N.S.W. is prohibited unless a licence is held.

The Victorian inland fishing fee is 10/- per annum, whilst in W. Australia and Tasmania it is £2. New Zealand seems to have the most complicated list of fees. They are: North Island, 30/- per year; South Island, 25/-; women for both islands, 7/6; persons under 16 years of age, 5/-. Daily rates are 10/- and 3/6!

For Taupo, extraordinarily rich in good fish, the charges are higher. For men and women, £6 per year, weekly £1 and daily 7/6. For persons under 16 years of age £3, 10/- and 7/6!

The State of Queensland does not make a charge or impose a bag limit!

## Gardening Notes

By Mrs. C. Crowe



### AUGUST

**FLOWERS.** — SOW: Alyssum, Antirrhinum, Candytuft, Carnation, Cornflower, Dianthus, Hollyhock, Larkspur, Mignonette, Nemophila, Phlox, Verbena.

PLANT: Antirrhinum; Dianthus, Cornflower, Lupin, Carnation, Sweet William, Clarkia, Godetia. Also Roses, Shrubs, Ornamental Trees, Hedges, Herbaceous Plants, Gladioli, Iris, Fruit Trees.

**VEGETABLES.** — SOW: Broad Beans, Carrots, Onions, Peas, Parsnips, Parsley, Spinach, White Turnip, Cabbages, Leek, Lettuce, Radish.

PLANT: Asparagus, Eschalots, Garlic, Herbs, Onions, Rhubarb.

If you have not already carried out garden-planning and planting for the year, do so this month, before the first flush of growth commences.

Prune roses and finish off any fruit tree pruning which may have been left because of unsuitable weather. Be sure to spray roses and fruit trees, after pruning, with Bordeaux or Lime Sulphur, to control fungus diseases.

Set baits in both flower and vegetable gardens to catch the "early" slugs and snails. Keep a particularly wary eye on hyacinth buds, as slugs love these!

Keep weeds down and never let earth paths become overgrown! If moss has spread on the lawn during winter, take off as much as possible and water the patches with Sulphate of Iron, **not stronger than 1oz. to 1 gallon of water.**



Look around this month and remember the evergreen plants which have given colour during the winter period. In this section are many of the Cypress, Retinosporas, Junipers, Thuyas and Cryptomerias. Many of them are available as dwarf varieties, others grow into tall trees.

There are also numerous deciduous shrubs which flower during winter. Some of these are Chimonanthus (Winter Sweet or Japanese All-Spice), Hamamelis (Witch Hazel), Cornus mas (Cornelian Cherry), Cydonias (Flowering Quinces).

Remember to plant at least one of our native flowering shrubs or trees in your garden, as an attraction for the birds.

In the words of Hugh McCrae—

"And jolly Spring, with love and laughter gay  
Full fountaining, lets loose her tide of bees  
Upon the waking ember-flame of bloom,  
New kindled in the honey-scented trees."

—From "Australian Spring."

## SAFETY DURING JULY

### BERRIMA

After an accident-free month in June, it was also good to come through July without any lost time injuries. This shows that when a man is alert, and takes the necessary safety precautions, lost time injuries can be minimised, and working safely like this does pay, as everyone must have realised when they received their 4 unit coupon for 60 days without a lost time injury.

The following groups also reached 1,095 days — 3 years — without a lost time injury, during July:

Production A—R. J. Groese, group leader.

Production D—N. Gilby, group leader.

Production E—P. Moran, group leader.

Maintenance C—W. K. Graham, group leader.

We certainly hope that these groups will go on to reach their 4 years.

Safety meetings, with representatives from all groups attending, are now being held every Thursday morning, in the Conference Room, at the Works Office.

Shortly, with the recently purchased 16mm. projector, it is intended to show a safety film at the weekly meetings.

Remember our Slogan—

Safety Pays Dividends!

### MARULAN

The first screenings of Safety First films took place on 24th July. The theatre was the Community Hall which recently was blacked out by curtains for day screenings. The films have been introduced as part of the Safety First programme. Arrangements have been made for fortnightly screenings with a variety at each show. Visual education in matters of Safety First is playing an important part in the programme.

## SOME MORE LAUGHS

It happened at a very sedate golf club where protocol on the course is observed with the utmost strictness; top priority to singles matches, second and third priorities to four-ball and three-ball games respectively, and no status at all to that lowest of social outcasts, the lone player.

Imagine the consternation, therefore, when—during the course of their weekly foursome—the Club Captain, Vice-Captain, Secretary and Chairman of the Greens Committee found their illustrious progress impeded on the third fairway, by a harassed and solitary little man fumbling around with his trolley. A caddy was sent ahead to speak to him.

"The Captain sends his compliments, sir, and draws your attention to the fact that you, a lone player, are holding up a four-ball."

The little man looked up petulantly. "Lone player be damned," he said. "Tell the Captain he must wait; I'm playing a single with my wife."

Obediently, the caddy trotted back to the foursome, and, after a brief conversation, returned.

"Captain's compliments, sir, but he and the other gentlemen say they can't see your wife."

"That's hardly surprising," snapped the little man. "She's a much better player than I am, and is at the moment four holes ahead."

\* \* \*

Old age isn't so bad when you consider the alternative.—Maurice Chevalier.

\* \* \*

"How old did you say you were?" asked the doctor of his female patient.

"I never mention my age," replied the patient, "but, as a matter of fact, I've just reached 21."

"Indeed," said the doctor, "What detained you?"



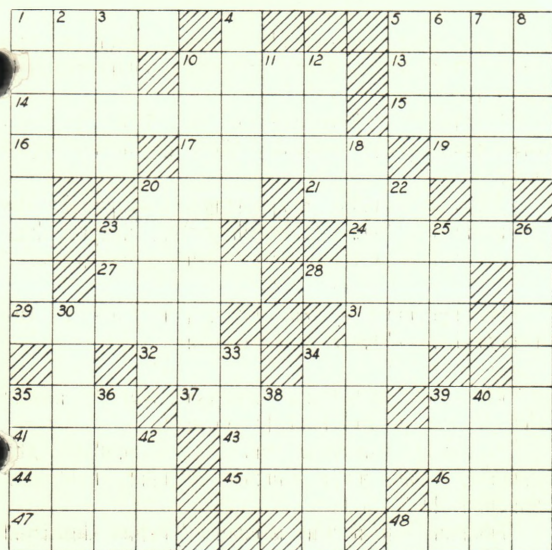
# — PUZZLE PAGE —

The result of Problem No. 29 is shown at right. Miss Joan Dray, of Moss Vale, took out the prize this month. Congratulations, Joan!

## PROBLEM No. 30

### Across:

1. Moist
5. Covers
9. Bfore
10. Spill
13. Plant
14. Magnificent
15. Bird of peace
16. Money signs
17. Allude
19. Bite
20. Beings
21. Diving bird
23. Vegetable
24. Distances
27. Relief for the poor
28. Small quantity
29. Drunken bout
31. Trap
32. Unit of work
34. Owns
35. Spring
37. Warning bell
39. Biblical priest
41. Grand
43. Exempt from rental
44. First name of singer



R	I	O	D	E	J	A	N	E	I	R	O	
O	R	N	A	T	E			N		E	A	R
D	I	S	P	O	S	S	E	S	S	E	S	
E	S	E		N	U	T		U		L	I	E
N		T			I	N	T	E	R	E	S	T
T	O	S	S		T			D	I	D		A
			L		S	I	R		G			
P		H	A	S			E		A	D	D	S
P	L	E	T	H	O	R	A			E		T
S	A	L		A		O	L	D		F	R	O
	D	E	P	R	E	C	I	A	T	I	O	N
F	E	N		E			S	L	E	E	V	E
	N	A	R	R	O	W	M	I	N	D	E	D

45. Goes brown
46. Japanese coin
47. Victim
48. Saucy

### Down:

1. Reduces
2. Historical periods
3. Unite
4. Foreign
5. Company term
6. Fe, is its symbol
7. Evolve
8. Ooze slowly
10. Decorations
11. Simple fellow
12. Excuse
18. Class of animals
20. Confused conflict
22. Toys
23. Standard
25. Hire out
26. Discerning by the senses
30. Right
33. Surrounded
34. Dye
35. Assistance
36. Grieve for
38. English river
39. Gaelic language
40. Sly look
42. Low islet



PS

# SPC

Vol. 3, No. 9

SEPTEMBER, 1961

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**MONTHLY NEWSLETTER**

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SOUTHERN PORTLAND CEMENT LTD.

MARULAN — BERRIMA — MEDWAY — SYDNEY



## **GENERAL MANAGER'S NOTES**

Last month, together with representatives from other N.S.W. cement companies, I had the pleasure of attending the opening of the new Lepol kiln and ancillaries which has recently been installed by the South Australian Cement Co. Limited at their Angaston Works.

As most of you know the Lepol process operates with semi-dry raw feed which gives the kiln better fuel efficiency compared with a wet process kiln as we know at Berrima. The higher fuel efficiency is of considerable economic importance when the cost of fuel is high.

The raw materials, i.e., limestone, shale, sand, etc., are ground dry as in a cement mill and then conveyed pneumatically to storage silos where blending to give an accurate and uniform chemical composition is achieved by violent agitation with compressed air.

To clinker the blended dry raw meal it is firstly nodulised with 12 to 14% water in a pan type noduliser, more commonly known as a flying saucer. The nodules, about half an inch in diameter, fall onto a moving grate through which the hot gases from the kiln pass, the nodules being dried and partially calcined before dropping into a rotary kiln. From then on the clinkering continues in the same manner as with a normal rotary kiln.

This is the first Lepol kiln installed in Australia and congratulations are in order to our South Australian friends for their initiative in introducing this process to Australia.

The installation is of a high standard mechanically and though they were having the usual starting up difficulties it will not be long before the unit is operating beyond the guaranteed performance.



# S.P.C. MONTHLY NEWSLETTER

*Distributed Monthly by:*

**SOUTHERN PORTLAND  
CEMENT LTD.  
BERRIMA, N.S.W.**

● **EDITOR**

*M. D. Hauber*

● **PRINTERS**

*Grant & Walker Pty. Ltd.  
7a Norton Street, Leichhardt*

**ALL CORRESPONDENCE  
AND ENQUIRIES TO:-**

*The Editor  
S.P.C. Monthly Newsletter,  
PBS 4, Moss Vale*

● **COPY DEADLINE**

*1st of the Month*

Vol. 3 No. 9

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## *- Departmental Representatives -*

S.P.C. BERRIMA .....	R. GREAVES L. HUMPHRIES
MARULAN QUARRY .....	J. FELTHAM A. GUTZKE R. CRESWICK
MEDWAY COLLIERY .....	R. JONES
SYDNEY OFFICE .....	MISS J. LILLYMAN

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## *- Contributions -*

GARDENING NOTES .....	Mrs. C. CROWE Berrima
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# EDITORIAL

Dear Readers,

Spring is with us at last and already the prospect of brighter weather is evident. Some idea of the recent heavy rain will be seen in the picture below which shows the flood waters covering the roadway at Bong Bong Bridge. It is some years since the road at this point was covered.



*Flood waters at Bong Bong Creek.*

No doubt a lot of readers will be turning to the gardening page for this month in preparation for the inevitable request by wives to "do something with the garden."

Safety-wise we suffered a set-back when the 76 days accident-free period was sent crashing with a lost-time injury. A further lost-time accident has been recorded for September. However, we can still get cracking to reclaim the safety record so let's make a concerted effort.

Also on the subject of Safety First, some of you have already attended plant meetings at which safety films have been shown. The value of these films as a training aid has been readily appreciated and with this factor in mind we are attempting to make a film of our own using our own men in scenes around the plant and so get greater emphasis on the lessons we are attempting to put over. Already, the introductory scenes have been shot with some success and it was indeed pleasing to note the co-operation afforded the cameraman during these performances.

As a matter of fact the participants in one scene found the shooting extremely entertaining, especially when the cameraman, while

trying to shoot a delicate scene, slipped into a slurry race up to the knees. One particular character was beside himself with mirth and was most eager, I might say delighted, to clean the offending slurry off, which he did with a 2" hose. Probably if he had had a 3" hose he would have been in Heaven.

Nevertheless, the scene was a success and the participants had a preview of the film after it was processed. When all aspects of safety within our plant have been dealt with, the film will be shown to all safety groups during the monthly meetings.

Apprentice week is coming up shortly and numerous activities will be taking place at the plant including a visit by parents after which films will be shown.

And so from Berrima we send Spring greetings to all our readers at home and interstate. Until next issue,

Yours,  
The Editor

## PLANT JOTTINGS

### APPRENTICESHIP WEEK

Apprenticeship Week will be observed at Marulan South with a visit by apprentices John Jervis, Eddie Cooper, Myles Creswick, Noel Steffensen and Graham Carey to a grand exhibition at Wollongong Town Hall on September 26.

On Friday, September 29, Quarry Superintendent, Mr. Kevin Howard, will welcome parents and friends to Marulan South where they will be shown the film "Cement in Australia," entertained at afternoon tea and shown the quarry, plant and what is involved in its operation.

### A WINNING IDEA

The Company has made an award to Shift Foreman, Alex McMurtrie, for a suggestion which resulted in an increase of production by 5,000 tons a month.

His suggestion, inter-alia, dealt with the work carried out by Shovel Crews.

Mac. has been a familiar figure around the Marulan South Quarry for more than 30 years and has worked in every outside department.

He has seen outdated methods superseded by electricity and output increased many times with less effort and more congenial working conditions.

In fact, Mac. recalls that the legendary "good old times" were really the hard old days for the men who worked in the quarry in the early days. Congratulations, Mac.!!



# WHAT MIGHT OUR QUARRY HIDE?

During a recent trip to the Quarry at Marulan I was shown a spot in the old Winga Quarry (now part of S.P.C. leases) where the ground had subsided over an area about as large as a house and a crack had opened up exposing a "cave" which could have accommodated a small car. Closer investigation revealed that in fact the hole was not a cave but simply a rock fall due possibly to the effects of erosion by surface water.

However, the mere mention of the word "cave" was intriguing enough to promote further investigation into the possibility of discovery of cave systems at our quarry in the future.

By far the most extensive and beautiful caves are those formed in beds of limestone. They are generally initiated during the descent of surface-waters along joint cracks and other directions of weakness to the level of the local ground water, usually that of a neighbouring river. Since limestone is soluble in water containing carbon dioxide, the channels become enlarged by solution and may grow into regular subterranean watercourses. As the main river cuts down to lower and lower levels these channels deepen and new channels form, so that it is possible to find, in a belt of limestone, a number of cave systems at different levels.

By far the most spectacular of the cave deposits are those formed by percolating water—the dripstones. When the caves are followed out by erosion and solution and are high above the watertable, surface water seeps down along joint cracks, dissolving the limestone on the way, till it reaches the roof of the cave, and there carbon dioxide is given off in contact with the air and a thin film of lime carbonate is deposited on the drop. The continued passage of water gives rise to pendent stalactites—which are either tapering or slender tube-like structures ("straw stalactites") according to the available supply of water—to "shawls" and to helictes or "mysterics," which grow out horizontally or upward in defiance of gravity.

Where the water drips on the floor or onto ledges, simple or terraced stalagmites are built up which may unite with stalactites to form columns, and there may be "canopies," "cascades," snow-like terraces of glittering calcite crystals, and the so-called "fortifications"

around ponds of drip-water. Grotesque and fanciful shapes are often assumed by the dripstones. Substances other than lime carbonate, chiefly ferric hydroxides, deposited from the water add an element of colour.

Limestone caves are very numerous in Australia; many are in steeply folded marine limestones of Ordovician to Devonian age, others are in level-bedded Cambrian or Cainozoic marine limestones and others again are in Pleistocene dune-limestones. For the most part they have been formed since the uplift of the land surface, perhaps a million years ago, to form plateaux, which have since been trenched by river-valleys and gorges.

A typical instance of this is our own limestone belt which is trenched by the deep gorge only a mile from the jaw crusher and on the southern side of which are situated the Bungonia Caves.

The caves are therefore young, geologically speaking, even though the limestones containing them are very old.

In most of the States the more accessible and spectacular caves have been electrically lighted and made available for inspection by tourists.

In New South Wales, caves are exceedingly numerous, chiefly in the Silurian — which is mainly what ours is — and Devonian limestone of the highlands and western slopes. Foremost in beauty and popularity are the world-famous caves of Jenolan, situated 70 miles west of Sydney, where the Jenolan Gorge is crossed by a wall of limestone about 700 feet thick and 500 feet high, traversed by the river and some of its tributaries. Eleven caves are available for inspection and others are as yet unopened.

Next in beauty and interest are the Yarrangobilly Caves, along the deep valley of the Yarrangobilly River in the Southern Highlands, 45 miles west-south-west of Canberra. Here nine caves are known, with ramifications, which in some respects rival those of Jenolan. Less spectacular are the Wombeyan Caves, 30 miles west of Mittagong. Nine caves have been opened here.

Other caves not so well known are those of Abercrombie, south of Bathurst; Coolong, near Yerranderie, Bungonia, near Goulburn; Borenore, near Orange; and Cliffden, near Carcoar.



# TRAVELLING ABROAD

By J. G. Schott — Part XII

Our journey from Banff to Vancouver was made in one of the great transcontinental trains of Canada, operated by the Canadian Pacific Company and known as the "Dominion." This train is a modern stainless steel streamliner with scenic domes for viewing the scenery en route and is hauled by four diesel engines.

Leaving Banff the train winds its way slowly through the Rocky Mountains at a height of 5,000 feet above sea level, the highest point the train reaches on the journey is at Stephen where the track is one mile and 52 feet above sea level. This point is known as the Great Divide and marks the boundary between Alberta and British Columbia and is the peak of the watershed. At this point a small brook becomes two smaller streams, one finding its way westward to the Kicking Horse River, the Columbia and the Pacific, and the other eastward to the Bow River and eventually Hudson Bay and the Atlantic.

Six miles from this point as the crow flies, but  $11\frac{1}{2}$  miles by train and 1,265 feet downhill lies Field Station. In this  $11\frac{1}{2}$  miles is centred some of the finest scenery and the most interesting engineering feat of the Canadian Pacific Transcontinental Line, the world famous spiral tunnels. The difference between crow flight and railway mileage becomes apparent as the track twice reversing by two spiral tunnels descends 106 feet in less than one mile.

While it lasts, this 588 mile journey is as exciting and as varied as it was when the rails were first pushed through to the Pacific almost 80 years ago. The scenery on the way is spectacular with the 10,000 to 12,000 foot mountains glistening in the sun due to the snow capping.

Rushing streams run beside the track all the way and the country is covered with virgin forest of pine, fir and aspen to about the six thousand foot level, the mountains projecting above this height being only base rock with snow covered peaks.

One tunnel on the journey was five miles long and took ten minutes to pass through.

Frequently the train runs between huge timber slide sheds designed to deflect the avalanching snow over the right of way. During the winter months the train proceeds with

great caution and the whistle is not blown for fear of starting an avalanche.

Arriving at Vancouver an overnight stay was made and we then boarded a plane for San Francisco via Seattle, and after a seven hours rest in San Francisco we flew on to Honolulu where we stayed some three days in Waikiki.

Waikiki is a popular American tourist resort and claims to have a very even temperature of 70-75°F winter and summer. Surfing and boating are very popular here, however the surf is different to what we are used to in Australia, as one has to swim or ride a malibu board out some 200 yards to the breakers. These malibu boards are in use by almost all surfers and are well-suited to the low and long running surf which occurs here. It is common to see small boys of six or seven years old standing up on these surf boards and riding them in on the waves as gracefully as the adult folk.

Outrigger canoes and catamarans are proving popular here for riding around the beach area, and the catamarans are a beautiful sight in full sail on the water.

The regular attire for all ladies on the islands is the much talked of mu-mu dress, like a long chemise, in all colours and floral designs and is quite attractive. Another feature of the islands is the leis, the fragrant flower garlands which are seen everywhere and we, ourselves, sported one of these at one celebrated native evening.

Of course, at Honolulu one immediately thinks of the Hula girls and we saw them dancing with sinuous grace in one of the many gardens there. However, Hawaii should not be regarded as a grass skirted, ukelele strumming poverty stricken country because the average resident gets an income quite comparable with the residents of the United States at home.

Sydney was reached on 10th September, and we stepped from the Boeing 707 into warm sunshine, happy to be home again after seeing so many interesting things, and in conclusion I just wish to say, "It was, indeed, a lovely trip, sir."

Ed. note: This instalment concludes Mr. Schott's series, "Travelling Abroad."





Top: *Hawaiian Dancers.*  
Bottom: *Waikiki Beach.*



# FROM MALAYA TO MARULAN

An idea of conditions at a mining company in Malaya have been given by Trevor Bolch, a mechanic at Marulan South.

Before he left to accept the position at Dungun, a town on the north-east peninsula of Malaya, Trevor worked at Marulan South and recently, after 20 months in the tropics, returned to the company as a mechanic.

He said the town of Dungun is tucked away in the green jungle and is the outlet for the Iron Ore Mining Company.

There, thousands of tons of the red ore are stock piled, blended, dried and loaded into steamers for the world markets.

After the surrender of Japan in 1945, an Australian secured the mining rights in the district and formed "Eastern Mining and Metals Company."

Most of the work was then done by about 4,000 natives using baskets and hoes. The ore was hand washed and loaded into skip trucks and railed 18 miles to the coast. A quarter of a million tons was shipped in the first year—1945.

The average wage paid to natives was the equivalent of 6/- per day. At this stage, the price of ore rose sharply because of the demand for such material.

In 1953 Eastern Mining and Metals changed to mechanisation and people working there and living in the district saw bulldozers and other such equipment for the first time while local workmen were selected for training at trade schools.

Production rose each year and in 1954 one million tons was shipped to Japan and other countries, and now the yearly target has been increased to four million tons. During the existence of the mine, only the best and easiest

ore was taken, but now washing plants have been installed and tons of contaminated ore is being reclaimed and blended with high grade ore.

Drilling and testing operations are carried out during three 8-hour shifts daily, seven days a week. One of the most interesting features of the mine is the railway system which consists of a single line, 2ft. gauge and, until recently, operated with 26-ton steam locos built in 1926.

The little engines handle everything that goes to and from the mine because the railway is the only means of travel, there being no road to the mine.

Shovels and other heavy equipment are broken down at the factory from which they are ordered and shipped to Dungun. They are off-loaded onto lighters and towed by motor launch up the river and again off-loaded onto railway trucks on which they are then freighted 18 miles through the jungle and reassembled, tested and put to work.

There are about 50 European families living at the mine in comfortable living quarters with modern conveniences, including free electricity. Heavy furniture is also provided by the company.

Residents have their own social club run by a committee elected by the people. There are picture shows twice a week, dances twice a month, a swimming club, golf, billiards and an aero club.

Schooling is available for children up to 12 and the standard is equal to that of N.S.W.

Trevor said he enjoyed his 20 months stay there and apart from the experience, he and his wife were able to save a lot of money.

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## CIVIL DEFENCE

Chief electrician, Jim Galloway, during the weekend August 19-20, took a course of instruction in Civil Defence at Goulburn.

The course was arranged by Brigadier George Hurst, under the auspices of Mulwaree Shire Council. Included were plans in the syllabus for evacuation of people from the thickly populated areas of Sydney and Wollongong in case of an emergency, transport requirements and provision of rations.

Chief of the Civil Defence organisation in Australia, Major General Ivan Dougherty was unable to attend because of other commitments.

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This year's college graduates deserve sympathy. Almost anywhere they may look for work, they run a terrible risk of finding it.

\* \* \*

It is when a man marries money that he discovers money really talks.



## 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).**

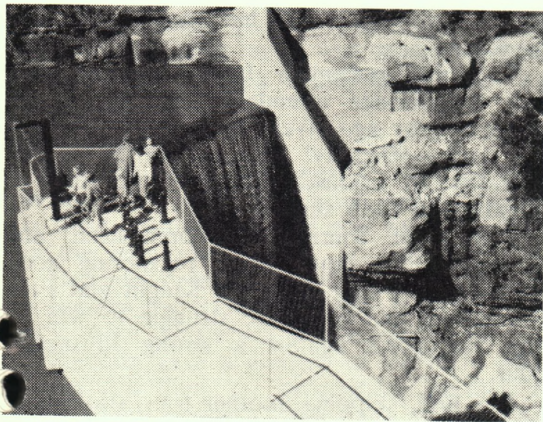
**Tons of concrete used—5,000.**

**Capacity of dam—450,000,000 gallons.**

**Total cost—£516,000.**

The picture below was taken a few weeks ago and as you can see the dam is full, with about 6" of water flowing over the spillway.

For those interested in a visit to the dam, the road at the moment is in fair condition and you can drive right down to the wall.



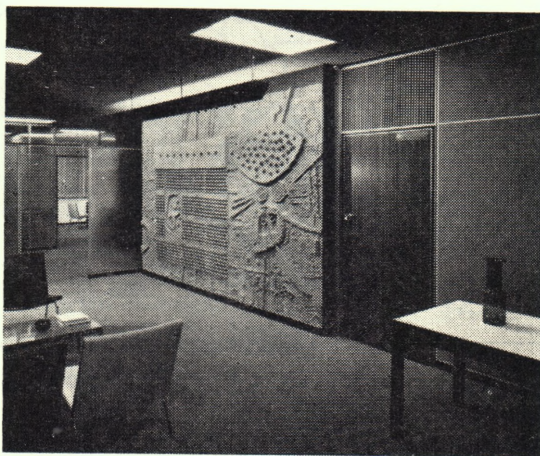
*Bundanoon Creek Dam.*

At one of our branches a junior office girl recently startled the manager of the structural engineering department with a message that somebody had rung up about a "sexual building."

Having recovered from his momentary astonishment, the manager deduced that what was needed was "a Sectional Building."

That, however, did not prevent him from muttering: "I wonder if he wants the whole thing erected with Strip-Tees!"

## SYDNEY OFFICE

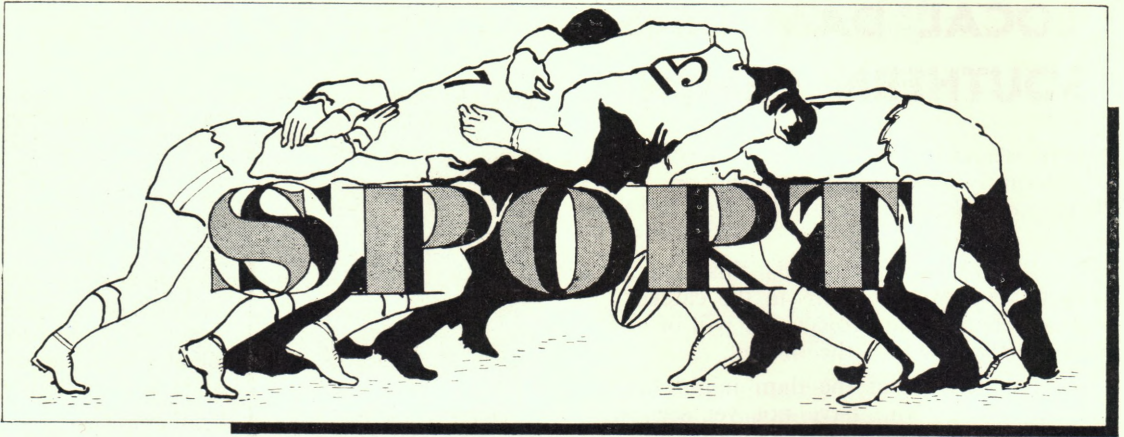


Sydney's commercial centre is being transformed and demolitions and rebuilding change its character from week to week. The new buildings are usually more austere in design than those they replace and there is little exterior embellishment. Superficially there may seem to be a certain monotony of design, 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, and 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. A verbal description is almost impossible but below is a photograph showing the detail of this interesting mural.

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.





## A ROUNDUP OF THE MONTH'S ACTIVITIES

### BOWLS

Well! We've **had** the last month of winter and it was a better month for bowls than the two preceding ones—just!

Those earlier months were so cold, that one of our players took to the bush. Bill Rutter and wife, in company with two Moss Vale friends, wintered it out by travelling to Darwin. Haven't heard any talk of bowls, but we should get plenty of travel gossip when Bill settles back into the old routine.

With spring in sight all the district clubs are beginning their club competitions—Moss Vale have their well-known Moss Vale trophy under way and as most of our bowlers are members of Moss Vale, they are participating in most of the games.

Jim Goode, our railway ganger, actually had the hide to skip a rink against Johnny Fuller and Len Knight and put them out of the competition. What's more, Jimmy still works here!

Norm. Sullivan, from our yard section, playing third, and Johnny D'Adam, lead in another rink in this competition chalked up one fine win before being eliminated.

Bowral Club attracted a host of S.P.C. players in their recent open pairs tournament. Our boys didn't win, but had very good practice for the forthcoming State Championships.

Last year we were very pleased to have the District Singles and Pairs winners from our works—and our four went very close. We hope this year our players will be again to the fore.

The workmates of Kevin Moore have been right behind the effort to assist him financially and so, too, have all the bowlers and other sports folk in this district.

On Friday night, August 11, over 80 Carpet Bowlers and friends attended Bundanoon Bowling Club's effort for the above appeal. At least 30 of them were S.P.C. bowlers and footballers. As a result at least £50 will go into the fund.

I might mention that Jack Mott—one of our good bowlers on the green was in rare form on the 30' x 6' mat and was the main reason why his team had poultry for the weekend.

You will remember Lew Terry—he was our weighbridge attendant until he retired about a year ago. Well, he might be too old for work—officially! But not for bowls. He defeated Al Counsell 32-30 in the final of Bundanoon Club singles.

The State fours have commenced and already S.P.C. bowlers are registering good wins—John Fuller with Len Knight and Fred Armstrong had a terrific struggle to win by the odd point against a strong Mittagong four.

Jim Bell, skipping another four also chalked up a good win in this event.

Have you noticed Mark Jones' name in the carpet bowls news lately? Well, it's there, all right—and in the winning column, too.

We have a bowler in our midst who would be winning trophies right and left if it wasn't for shift work—just when the big events are on Tom Penfold is on weekend day shift. By the way, Tom has been working shift work at S.P.C. for 21 years. Is that a record?

Finally, a mention for those carpet bowl enthusiasts at Marulan.

Jimmy Galloway and wife Jean were seen recently at a Bowral Bowling Club carpet bowls night. Both had good wins in the 1st



round, but would you believe it—Jean's side had the hide to defeat Jim's side 9-0 in the 2nd round. You women!!

The experience gained should help the new members at Marulan.

## **BASKETBALL**

The S.P.C. 1st grade team is playing much improved basketball as the season nears its close, but it appears they have left their run too late to qualify for the semi-finals.

However, the No. 2 team is playing well and has every chance of making the first four.

Two Marulan players are now members of the No. 1 team, Jim Feltham and Gordon Macallum. These two have considerably strengthened the side and as a result, S.P.C. has recorded four wins from the last six matches.

Bill Poland is still consistently top scorer, averaging around 20 points a game, while the defence is ably handled by Jim Feltham and Keith Larsen.

In the No. 2 team, Bruce Fraser has emerged as a high scorer, and has been scoring some 12 to 14 points a match. Peter Mott is still top scorer and David King does most of the defensive work.

Captain-coach Trevor Mott seems to have moulded the boys into a very handy team and it would not surprise if they fought their way to the final.

## **FOOTBALL**

Berrima footballers, with a concerted effort in their last two competition games, finished in third position and will now meet Thirlmere in the semi-final.

Berrima defeated Thirlmere in their last encounter by 11-2, and this victory should give them confidence in the semi-final.

Berrima gave a glimpse of the form which could win them the premiership in their recent match against Camden at Camden. Camden played with nine 1st grade players in their side, but Berrima's inspired display carried them to a 16-13 win.

Camden scored an early try and went to a 5-0 lead, and looked as if they would go on to an easy victory. However, Berrima fought back strongly and after several hard runs by the backline, Noel Taylor finally gathered a loose ball and dived over to score.

Then in quick succession tries came from Pat Taylor and Ken Mott and at half-time Berrima had a handy lead of 11-5.

Berrima's defence relaxed slightly after the break and Camden were quick to capitalise and soon shot to the lead again, 13-11.

Berrima again came back strongly and with time running out, Arthur Day snapped up a dropped ball and went over to score the winning try for Berrima, who regained the lead 16-13 and doggedly retained it over the final few minutes.

## **MARULAN SOUTH**

### **SOCCER**

With the end of the soccer season a few weeks off, Marulan 1 is leading the competition. The next matches will be interesting before the semi-finals as Marulan 1, Magpies, Athletes (Goulburn), Marulan 2 and United Goulburn vie for honors.

### **CARPET BOWLS**

A number of players of the Carpet Bowls Club have reached a reasonably high standard and plans are being made to entertain another club. It is planned to buy a second carpet before this can be done. However, with a few competitions currently running and other functions planned it is hoped that the carpet will be bought before the end of September.

### **TENNIS**

Marulan South Tennis Club, late last month (August), played an all day open tournament. The visitors showed their superiority by taking all the trophies. The lady's prize was won by Mrs. J. Ryan and the gent's by K. Walcott. The local club was praised for their hospitality and the wide variety of refreshments.

### **CRICKET**

Plans are well in hand for the coming cricket season. Many players from S.P.C. will be in the Marulan teams and it is hoped to field a Marulan South 2nd grade team for the Goulburn and District competition.

### **SCHOOL SPORTS**

The annual school sports with pupils from Marulan South, Marulan, Bungonia and Windellama will be held at Marulan South, on October 28.

There will be more than 200 competitors, with close to 50 from Marulan South.

The Committee has arranged a programme to suit all ages and a catering committee will provide a variety of refreshments.

The local delegate, Jim Galloway said suitable prizes will be awarded for the events and a dance will be held in the Community Hall as a finale to the day's sports.



# PERSONAL PARS — Heard on the Grapevine

## BERRIMA

To Mr. and Mrs. Dick Martyn, a son, Greg. Alexander, born on Saturday, August 12. Congratulations Dick and Mrs. Martyn!

\* \* \*

To Mr. and Mrs. Les Humphreys, a son, born on Monday, August 28. Congratulations Les and Mrs. Humphreys!

\* \* \*

Doug Watson (crane driver) is back at work again after a spell on the sick list. Best wishes Doug, for a speedy recovery and may you soon be able to shed that plaster overcoat.

\* \* \*

Robert Medland has left the company to take up a position with the Snowy Mountains Authority. Robert is now based at Cabramurra, high on the Snowy Mountains, and is attached to the Special Signals section.

\* \* \*

Liol Bush, was married on Saturday, September 9. The bride was formerly Miss Joyce Allen, of Burradoo. A party was accorded Liol at the Moss Vale Golf Club on August 31, and by all accounts, Liol was still going strong at the conclusion of the evening.

Best of luck, Liol, for your future happiness!

\* \* \*

Reg Larsen (elect. shop) is at present on annual leave. Best wishes for a happy holiday, Reg!

\* \* \*

Bob Stone (carpenter) retired on Friday, September 1, after a long association with the company.

Bob was presented with a small gift by Wally South on behalf of his workmates. Best of luck, Bob!

\* \* \*

Tarn Wrightson has been on annual leave. Hear tell he has a new Falcon, and he took the opportunity of running it in during his holidays.

\* \* \*

Bert McIntosh is at present holidaying in the north. I have been informed that Bert was going to leave his golf sticks at home but am wondering whether he managed to sneak them in the boot of his car before pushing off!

## MARULAN

Congratulations to Ashley and Mrs. Cooper, on the birth of a daughter, their third child. Both Aileen and the babe are well. Ashley is recovering, slowly!

\* \* \*

Taffy and Noeline Owen have now settled into their new home at Bungonia. For some years they lived on the Brayton Road, about two miles from Marulan.

\* \* \*

Apprentice electrical fitter, John Jervis, at a ceremony at Goulburn Technical College last month, received a £2/2/- award for gaining second place in Stage III Electrical Fitting in 1960. His target this year is to top the class.

Incidentally, John recently acquired a Singer Gazelle car. He is loud in his praise for its prowess in the chase for another species of gazelle in the Goulburn district.

\* \* \*

Cec. Friend is back at work after ten months' absence on compensation. In November, last year, he broke his left leg while assisting to unload coal. Welcome back Cec.!

\* \* \*

Jack Keogh, who worked at the quarry for some years, has left the district with his family to live in Sydney. He will work for ex-Marulan mine host, Bob Rees, who has taken the lease of a hotel at Paddington.

\* \* \*

Crane Driver, Cliff Shepherd, was elected District Deputy Grand Master of the Oddfellows Lodge at the annual conference at Picton last month. The district extends from Picton to Crookwell.

\* \* \*

Brian Bell, former machineman, and working at present as a waiter in Sydney, was given a 21st birthday party by his parents on September 9. Many of his old Marulan South workmates attended.

\* \* \*

Electrical linesman, Max Koschenow radiated his excitement when recently told that he had won a turkey dinner. In his native Russia, turkeys are an unfamiliar titbit for the table and his friends had some difficulty in convincing him (a) what a turkey really looked like and (b) that it was really for eating.



Jack Feltham, who has been with the company for more than 28 years, will be in Goulburn Base Hospital for another couple of months. His many friends wish him a speedy recovery.

\* \* \*

We all wish Mrs. Alex McMurtrie a speedy recovery after her operation in Marrickville Hospital. Some of her old friends, now living in Sydney, have visited her in hospital.

\* \* \*

Another holiday-maker was mechanic Ron Smith. He went to the Murrumbidgee Irrigation Area and made his headquarters at Griffith for his trips through the district.

### SYDNEY OFFICE

Congratulations are due to Ron Phillips on two accounts. In July Ron was married to Gloria Murray, and on August 10, he was promoted to storeman at Bankstown. It goes to show what married life can do for you, Ron.

\* \* \*

Promotions seem to be in vogue in Sydney at the moment. Geoff Woodburgess was promoted on August 14 to storeman at Merrylands. Congratulations, Geoff.

A new employee, Kevin Murray, commenced as a loader at Liverpool on August 21. Welcome to the company, Kevin.

\* \* \*

The highlight of the B.H.P. Social Club for the year was the ball, held at Windsor Gardens, Chatswood, on August 18. Although S.P.C. was represented by only one party it made its presence felt by organising vigorous, if not melodic, community singing during the evening. Congratulations are due to the organisers who made the evening such a social success.

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## FISHING NOTES

I was pretty confident, after writing last month's notes, that fishing generally would improve! It was Jack Simpson who told me that no fish were ever caught in August! How right he was! However, a few of the more experienced anglers had a try and were successful.

Bob Hartley did all right with flathead up to 2lb. in the canal, and that barnacled old pair, Zen Beer and Keith Stubbings also had some luck with flathead and a few bream in the canal. It would appear that except for a

few patches, fishing generally is still poor, especially beach fishing.

Now the deluge is with us, we have little hope of improvement for at least a month. Jim Simpson recently landed two 4½lb. bream in "the gutter" at South West Rocks. And, incidentally, the caravan park at "The Rocks" is now equipped with a 240 volt supply, instead of 32. Camping there about three years ago, I remember a caravan pulling out with the roof hatch open! The first thing he did was to hook one of the power lines and break it! Everyone stood aghast as Eric Whitmore nonchalantly picked the two ends up and proceeded to join same! That's when I knew it was 32 volts! If you want a good fishing place during the winter holidays, this it it. It goes off in the summer months though.

Brunswick Heads is in the news for fishing at the moment. It's a good place all right—if you don't mind travelling 650 miles from Moss Vale.

The fish are becoming more elusive each year. Which reminds me, "slippery things, them eels!" It always intrigues me to dwell on the doings of that badly thought of "fish," that tangles our lines into knots and makes us utilise strange phraseology.

Do you know his strange breeding habits? No doubt you have heard of that enormous mass of floating seaweed in the Atlantic Ocean, called the Saragossa Sea? After about seven years of fresh water swimming the European eels head for the Saragossa Sea, about 3,000 miles distant! Here they spawn and die. The American eels travel about 1,000 miles east to the same place. The elvers (young eels) then proceed homeward, the American young, and the European young, going in the right direction! How they know which way to go still puzzles piscatologists.

It is thought the Australian eel breeds in North Australian waters. The young eels come down the coast by the ton, gradually peeling off as they pass the various rivers travelling south. By the time the mouth of the Murray is reached, all have found a home. The young proceed up the rivers and live in the fresh waters until about seven years old, when the cycle is repeated. They consume large quantities of trout and are looked down on as an edible fish. However, when boiled before frying, it is quite edible.

Did you ever try taking one off your hook by hand?

Slippery things, them eels!





**SEPTEMBER**

**FLOWERS.** — SOW: Alyssum, Antirrhinum, Candytuft, Carnation, Cornflower, Dianthus, Godetia, Hollyhock, Larkspur, Mignonette, Nemophila, Phlox Drummondii, Petunia, Salpiglossis.

PLANT: Antirrhinum, Dianthus, Cornflower, Lupin, Petunia, Clarkia, Godetia, Carnation.

**VEGETABLES.** — SOW: Cabbage, Broccoli, Lettuce, Beetroot, Spinach, Peas, Leek, Onion, Endive, White Turnip, Carrot, Parsley, Parsnip, Herbs.

PLANT: Cabbage, Beetroot, Silver Beet, Rhubarb, Artichoke, Potato, Onion, Lettuce.

The willows are now filmy curtains of palest green, so we can look forward to a gradual improvement in the weather, and a bountiful Spring after the recent soaking rains.

September is a busy month in the flower garden, as this is the time to make the main sowings of summer blooming annuals! All seedlings should be thinned as soon as they are well above the ground.

Flowering Apricots, Peaches and Almonds should be pruned as soon as most of the flowering is finished. Flowering Plums need very little pruning unless they are becoming too large for the space in which they are planted.

Flowering Apples (Crab Apples) are only just beginning to flower and these also need very little pruning.

Towards the end of this month, a top-dressing can be given to lawns.

Weed lawns carefully! If clovers are present, mow the lawn and apply sulphate of ammonia, dry, at the rate of 4ozs. to the square yard. See it is free from lumps and rub in with the back of the rake. Leave for two days and then water thoroughly. The clover should by this time be killed and the burnt patches of lawn will soon recover.

Gladioli should be planted now.

Keep weeds down in the vegetable garden by constant cultivation. Towards the end of this month, small sowings of beans can be made, but remember that the risk of frost damage is still with us.

## LET'S LAUGH

The most serious impediment to marriage these days is the difficulty of supporting both a wife and the Government on the same income.

\* \* \*

In the Garden of Eden, was it perhaps the pair on the ground that caused all the trouble, rather than the apple on the tree?

\* \* \*

Said the envelope to the stamp, "You're a 'square' but you send me."

\* \* \*

Note on small boy's school report: "Could work harder. It has been a disappointing term—for both of us."

\* \* \*

A golden rule when reading the menu in a restaurant: "If you cannot pronounce it—you cannot afford it."

\* \* \*

From an essay by a boy of 12. "Adults don't do anything exciting. They just sit and talk and talk and don't join in a game or do a thing. There is nothing duller in the world than adultery."

\* \* \*

"Caution—Be sure your brain is engaged before putting your mouth in gear."

\* \* \*

He had just completed a long prison sentence and on that great day when those big gates opened and the whole world lay before him, his joy knew no bounds. "I'm free," he shouted, "I'm free!"

A little girl who was playing nearby gazed at him for a few moments and then came over. "That's nothing to shout about," she said, "I'm four."

\* \* \*

A young medic took a glamorous girl out on a date. They were driving down a country lane when the engine suddenly coughed and the car came to a halt. "That's funny," said the student. "I wonder what that knocking was?"

"Well, I can tell you one thing for certain," said the girl, icily, "It wasn't opportunity."

\* \* \*

"They tell me," said the new acquaintance, "that your wife is outspoken."

"Very seldom," said the husband, "and by very few people."



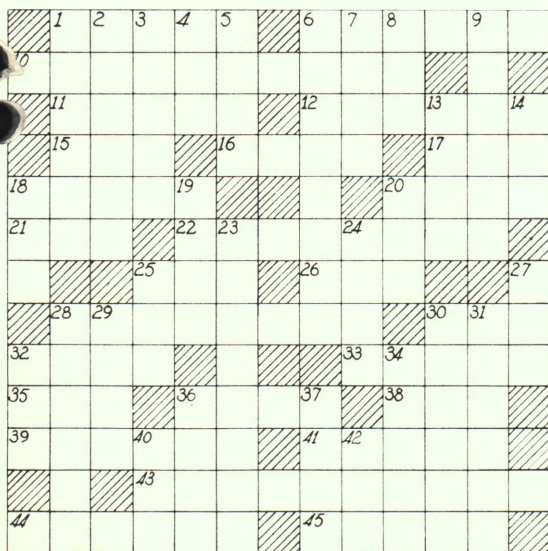
# - PUZZLE PAGE -

The result of Problem No. 30 is shown at right. Winner for this month was Jack Kirk (elect. shop). Congratulations, Jack!

## PROBLEM No. 31

### Across

1. Defame
6. Overflow
10. One who suits his opinions to the times
11. Merry frolic
12. Strength
15. Pull
16. Kind
17. Grow old
18. Abrupt
20. Falsehoods
21. Anger
22. Mishap
25. In favour of
26. Gone forth
28. Place of industry
30. Health spring
32. Teem
33. Cold dish
35. Type measurements
36. Courageous deed
38. Decompose
39. Behind
41. Run away
43. Payment
44. Quenches
45. Smallest



D	E	W	Y		A				L	I	D	S
E	R	E		S	L	O	P		T	R	E	E
P	A	L	A	T	I	A	L		D	O	V	E
L	S	D		R	E	F	E	R		N	I	P
E				M	E	N		A	U	K		S
T		P	E	A					M	I	L	E
E		A	L	M	S				M	I	T	E
S	P	R	E	E					N	E	T	
	R		E	R	G			H	A	S		T
H	O	P		S	I	R	E	N		E	L	I
E	P	I	C		R	E	N	T	F	R	E	E
L	E	N	A		T	A	N	S		S	E	N
P	R	E	Y					A		P	E	R

### Down

1. Father of antiseptic surgery
2. Unclean
3. Masses of ice
4. Compass point
5. Wine dregs
6. Dislike
7. Crooked
8. Metal
9. Lump of gold
13. Shower
14. Word of assent
18. Touch
19. English noble
20. Permit
23. Remarks
24. Debts
25. Equal
27. Passing fancy
28. Foreign representative
29. Eject
30. Slants
31. Copyright
32. Vegetable
34. Fragrance
36. Open
37. Relate
40. River in Scotland
42. Sheltered



PS

# SPC

Vol. 3, No. 10

OCTOBER, 1961

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**MONTHLY NEWSLETTER**

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SOUTHERN PORTLAND CEMENT LTD.

MARULAN - BERRIMA - MEDWAY - SYDNEY



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## ***GENERAL MANAGER'S NOTES***

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We have recently been advised that Marulan will be supplying the special grade of limestone required for the Basic Oxygen Steelmaking process to commence operating at the B.H.P. Newcastle Steelworks towards the end of 1962.

The limestone for this process must produce a strong calcine as it will be calcined in a shaft before being used in the steelmaking process. When calcining tests were done on the normal Marulan limestone now being sent to Newcastle for Open Hearth Steelmaking, it was found that the limestone produced a very weak calcine quite unsuitable for the B.O.S. process, so an extensive diamond drilling programme was undertaken to determine if the special type of stone required occurred in worth-while quantities.

The Geologists, as a result of the diamond drilling, found sufficient reserves at the southern end of the Marulan leases, so far undeveloped, so over the next twelve months we will see a great deal of activity putting a haul road into the area and establishing a quarry face.

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# S.P.C. MONTHLY NEWSLETTER

*Distributed Monthly by:*

**SOUTHERN PORTLAND  
CEMENT LTD.  
BERRIMA, N.S.W.**

● **EDITOR**

*M. D. Hauber*

● **PRINTERS**

*Grant & Walker Pty. Ltd.  
7a Norton Street, Leichhardt*

**ALL CORRESPONDENCE  
AND ENQUIRIES TO:-**

*The Editor  
S.P.C. Monthly Newsletter,  
PBS 4, Moss Vale*

● **COPY DEADLINE**

*1st of the Month*

Vol. 3 No.10

OCTOBER, 1961

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MARULAN QUARRY .....	J. FELTHAM A. GUTZKE R. CRESWICK
MEDWAY COLLIERY .....	R. JONES
SYDNEY OFFICE .....	MISS J. LILLYMAN

## - Contributions -

GARDENING NOTES .....	Mrs. C. CROWE Berrima
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# EDITORIAL

Dear Readers,

Following recent discussions with the local controller of Civil Defence, Mr. L. Lambert, the Company has decided to create an organisation covering the works area and New Berrima.

## What is Civil Defence?

Civil Defence is the protection of life and property from attack and major disaster, by preparing for and carrying out emergency functions to prevent, minimise and repair injury and damage.

Remember your own survival as well as that of your family may well depend on your knowledge of Civil Defence precautions.

Don't ignore the possibility of nuclear weapon attack, and don't ignore simple measures of protection which you can take. Support the S.P.C. organisation and learn the facts—they may save YOUR life—and the lives of those dear to you.

## Aim of the S.P.C. C.D.O.

To educate all employees and their families in simple measures of protection and at the same time train a group of volunteers in the more detailed aspects of rescue and first aid as applied to our plant and the town site.

An organisation chart will be found on later pages of this issue together with an introductory article on the hydrogen bomb, the bomb which would undoubtedly be used for the neutralisation of large industrial areas such as Wollongong, Sydney, Newcastle, etc. in the event of a nuclear war. Such a bomb would cause light damage in the Berrima District so wherever you live there is a need for you to know how to protect yourself and your family against the effects of this weapon.

Already we have received enquiries from persons wishing to volunteer for training and to quote just one of our employees—Bob Magnus—who said "Civil Defence? A great idea, the more I know about it the more I can help by family and mates—count me in."

Mr. Alan Strode of Agricultural Lime Spreaders has weighed-in in great style with his two-way radio set-up, a vital necessity in

the maintenance of communications. He then went a step further and offered his equipment resources for rescue operations. Many thanks Alan, and you have assured our organisation of success.

On this note I will leave you, my readers, to ponder the proposition and hope you will not take the apathetic outlook which has been common in the Australian public since the inception of Civil Defence some three years ago.

Until next issue,

Yours,  
The Editor.

## PLANT JOTTINGS

Apprenticeship Week was observed at Berrima and Marulan on Friday, 29th September (Marulan) and Saturday, 30th September (Berrima) with a visit by parents to the works where they were conducted on a tour of inspection following light refreshments and a forty minute film entitled "The Story of Cement."

Parents were given some idea of the many varied jobs their sons are engaged on during a demonstration in the various maintenance shops where jobs were being processed in the machines and apprentices were given the chance of explaining the operation and sequence of machining of numerous components.

This is the first occasion on which parents of the apprentices have been invited to witness the production proceedings. It was very interesting to hear their comments when leaving. It would appear likely from these comments that next year the lunch room will need to be enlarged to fit them in.

All told, it was quite an encouraging effort by all concerned.

Top: A group of parents watching a Menck Shovel at work on a quarry face.

Centre: Another interested group of parents at Berrima.

Bottom: Inspecting the Jaw Crusher (Marulan).









*A group of  
parents on tour.*

*Apprentice Ian  
Mackey showing  
his parents vari-  
ous aspects of the  
works at Berrima.*



A crowd rushed over to a man who had just been knocked down by a St. Bernard dog and then almost immediately was run over by a Volkswagen.

"I didn't mind being knocked down by that animal," the man said, "but that tin can tied to his tail nearly killed me."

Doctor: "Well, young man, your cough is a little better today."

Patient: "It oughta be. I've been practising all night."

\* \* \*

Two kittens were watching a tennis match. One turned proudly to the other and said: "My pop's in that racquet."

**Remember! Safety for all —  
— all for SAFETY**



# THE HYDROGEN BOMB

Hydrogen bombs. Hydrogen is one of the plentiful elements on earth, but ordinary hydrogen is not a suitable material and cannot be made to react and explode in a thermo-nuclear weapon. But hydrogen is found in nature in two forms, natural hydrogen and the heavy isotope, deuterium, discovered many years ago. This is present to the extent of two parts in ten thousand of ordinary hydrogen, and in recent years has been separated from it in relatively large quantities.

There is a third isotope of hydrogen, tritium, a man-made form which does not occur naturally on earth. It is radio-active and changes slowly into a form of helium with a half-life of 12 years. Nevertheless, its nuclear properties have been studied extensively and it is a commonly used material in nuclear physics laboratories.

In addition to deuterium and tritium there are other possible bomb materials—for example, the light metal lithium. But the published work in the post-war years and statements of the American Atomic Energy Commission strongly suggest that it is the two hydrogen isotopes which play a fundamental part in the release of nuclear energy by fusion, or at least did so in the first experiments. Just what relative role they play and how they play it has not been revealed.

Deuterium can be manufactured on a large scale relatively easily by decomposing water with an electric current. Tritium, on the other hand, cannot be produced so easily. It is absorbed by the element lithium. However, it was not until the big nuclear reactors, such as those in operation in England, Canada and the United States were built that neutrons could be produced in sufficiently large quantities for tritium to be made by this process. In a reactor the neutrons are normally absorbed in uranium to produce the metal plutonium—the material of which the atomic bomb is built—but they could just as well be used to manufacture quantities of tritium. If tritium is used in the hydrogen weapon in any quantity it must be produced at the expense of the production of normal atomic bombs.

The real problem of developing and constructing a hydrogen bomb is to get the reaction started. It has been compared to trying to make a fire at 20 degrees below zero with

green wood, covered with a coat of ice and without much firewood. Once the fire has been started more wood can be piled on to make it as big as desired. In the same way, with a hydrogen bomb more material can be added to make an explosion as big as desired.

To initiate the explosion it is necessary to create an assembly of the appropriate material and heat it to a temperature sufficiently high for a fusion to occur. The temperature required is comparable with that reached in the interior of the sun—about 10 million degrees centigrade. The only known way of attaining such a temperature is to use a conventional atomic bomb as the fuse for the hydrogen weapon. The sudden release of energy from the explosion of the atomic bomb produces the extremely high temperature required to initiate the nuclear reaction in the materials which are to be fused.

To build a hydrogen bomb, therefore, a considerable quantity of special material, possibly deuterium or tritium (or perhaps both) as well as a normal A-bomb, are required. After the problem of initiation, the remaining design problem is to ensure that a sizeable fraction of the energy of the reacting materials is released before the reaction is stopped by the mass cooling down due to the emission of radiation, or by its dispersal due to the explosion itself.

In the stars the radiation is retained because the stellar atmosphere is relatively opaque, thus making an enormous difference in temperature between the centre and outside of the star. In a hydrogen bomb, however, there is no such protective layer, and the problem of obtaining a large fraction of the energy while the temperature is still high enough for the reaction to proceed is a difficult one. It is known to have been solved, however, since both the Russian and American governments have announced that successful tests of hydrogen weapons have been held.

Effects of Hydrogen Weapons. As with an atomic bomb, the three agencies by which damage is inflicted are the blast wave, the heat flash and the radio-activity resulting from the explosion. If we assume that a hydrogen bomb can be made one thousand times as powerful as an atomic bomb of 20,000-ton TNT equivalent power, then, because of the cube-root law, the figures for damage radius given earlier for the A-bomb have to be



multiplied by a factor of 10. Such a hydrogen bomb would devastate an area of about 300 square miles by its blast wave. This, in itself, makes it clear that such a weapon could cause almost complete destruction of any metropolitan area.

The heat output from the H-bomb would be exceedingly intense, and, because flash burn effects increase as the square root of the power of the bomb, such effects would extend roughly 30 times as far as in the case of a Hiroshima-type bomb; that is, serious burns would be expected out to 20 miles from the centre of the explosion. However, unless the weapon were exploded at very great altitude, such a damage radius would not be achieved. The shadows of buildings, trees, bushes and other objects would cut down the direct effects, and people in the shade would be immune from injury from this cause.

The nuclear products of the hydrogen reactions are not radio-active as are the fission products from an atomic bomb. However, since an atomic bomb is necessary to trigger the explosion, the radio-active hazard associated with it would be present. The fusion reactions release large quantities of neutrons and penetrating gamma-radiation, but these are fairly easily absorbed in air and would not have an appreciably greater radius of action for a hydrogen bomb than for an atomic bomb. People sufficiently close to be killed by the penetrating radiation would almost certainly be killed in any event by the blast effects, whether direct or indirect.

There is, however, the possibility of incorporating material in the weapon which would be rendered intensely radio-active by the absorption of the neutrons released in the nuclear conflagration, with the express intent of manufacturing radio-active poisons. If this were done there is no doubt that a very large quantity of contaminant could be made and a hazard of great magnitude produced.

There is also the possibility of exploding a bomb under water where very few neutrons would escape, most of them being absorbed to produce radio-active sodium or activate other elements in the sea water.

Australian Defence. Because her population is concentrated in the State capitals which are mainly on the coast, Australia would be particularly vulnerable to atomic attack. This fact must enter into all future planning. However, atomic weapons also could be a very great aid to defence. The great length of the Australian coastline makes it difficult to man in sufficient strength, with

such a small population, to prevent invasion by a determined enemy.

On the other hand, if the forces had a dozen or so atomic bombs at their disposal it would be unnecessary to do more than keep a vigilant lookout. Attempts at landings, necessitating concentration of ships, men and material, could be dealt with promptly, so enabling time to be gained for mobile defence forces to be moved to appropriate positions. There is little doubt that the defence of the northern coastline could be greatly simplified in such a way.

### PARADE GROUND

Some three weeks ago, members of the local C.M.F. took part in a weekend exercise in the Meryla Valley. The weather was most unkind and rain fell for the greater part of the two days. It did little, however, towards dampening the spirits of the jovial team which took part. The only thing it dampened was their clothing and equipment. The cartoon below speaks for itself and is indicative of the conditions which prevailed.



It is interesting to record that, of the total number of the local platoon, over 65% are employees of S.P.C.

This fact indicates only too well, the feelings of the management of S.P.C. towards National awareness and the need for a Citizen Military Force in times of international tension.

It is a fact that does not go unnoticed by the Army authorities who feel that local employers could well afford the same attitude as S.P.C.





# CAMERA HOLIDAY



By John Maitland (Charm Studios)

Now that Spring has finally sprung and the warmer weather is with us again the ever growing band of Shutterbugs are bringing forth their cameras from winter storage and planning Summer holiday shooting.

The marks of Winter damp and humidity are being removed from lenses, shutters are being clicked freely to loosen them up after the cold weather inactivity and plans are being made to bring home better than ever colour slides from this year's holiday.

As I write I am reminded of one, I. M. Aginery, who brought home a really stunning collection of slides from his last holiday on the coast and it might be interesting to relate here just how these were made.

The original idea was to get away from the usual series of unconnected pictures which require a lot of commentary and explanation each time they are shown and instead, to make up an interesting picture story which could be entertaining with a minimum of explanation.

Accordingly the first stop on the trip was made at the signpost denoting the approach to the selected town and a shot was taken of the holiday party, in the car and looking toward the sign. This shot was taken from a point just far enough away to show the car and the post and at an angle which showed the name of the town quite clearly. This shot established the location.

The second shot was taken on arrival at the motel and showed the party entering the unit which was to be home for the next two weeks. This established commencement.

A short walk in the afternoon revealed the existence of a small and picturesque boat harbour of the type that provides endless possibilities for good photography.

The shooting sequence here commenced with a long shot from the top of a nearby hill showing a view of the complete harbour. For this shot a medium slow shutter speed was used, in conjunction with an aperture stop of f11 to ensure maximum sharpness over the whole area.

Moving down to the quayside it was found that the fishermen in the boats were busy baiting their hooks and preparing the boats for the evening trip to sea. This provided material

for a sequence of several shots, commencing with a shot at about 15 feet featuring some members of the party and other odd spectators who were lined along the dock watching operations on the boats. This was taken on the same speed and stop setting as before so as to bring into sharp focus the interesting variety of expressions on the faces of the spectators.

The camera was then moved into a position directly above one of the boats. The focus was set at 8 feet, the shutter speed was moved up to the fastest available and the aperture was opened up accordingly. Several shots were then taken of the action on the boat. The fast speed stopping any movement of the busy hands and the wider stop softening out the background and so drawing attention to the point of interest in the pictures. Two or three pictures were taken of the fishermen and one of a gull which swooped down suddenly and all were very successful on this setting.

To complete this sequence it was desirable to have a shot of the boats in motion. As they do not go out till after dark a compromise was made here and this shot was deferred till morning when the light would be sufficiently good to get them coming into port at about 7 o'clock.

On the way down to the harbour the following morning the sun was just rising above the horizon. The colouring was really magnificent and a long shot of this resulted in one of the finest slides of the whole trip.

On arrival at the harbour the sun had risen sufficiently to provide light for general shooting and shots were made, on medium stops and shutter speeds, of the boats arriving at the moorings and making fast. Moving up to a higher shutter speed and a wider stop, some shots were made of the catch being landed, with extra close up shots of some of the larger fish, and one final, and very attractive picture, of the boats riding idly at anchor in the still water.

General "atmospheric" shots were made of a couple of old "salts" who were sitting yarning by the harbour. These old chaps were garbed in traditional cap and sweater of the old shellbacks and, as they were not at all averse to being photographed, they provided



*"Atmosphere"*



*The landmark.*

*Still waters.*





interesting portrait shots. These were made on a focus of three feet and a fast speed and wide stop were used to soften down the hard lines in the faces.

This completed this sequence story. There were, of course, further series made, at the surf beach, on a sea cruise, etc., but the detail above will serve to set the pattern for these.

I hope this will be of some help to readers in planning their own holiday shooting this year and would like to wish you one and all a fine holiday and good shooting.

# **N.R.M.A. MOTORING HINTS**

## **Broken Windscreens**

Much concern is expressed by motorists at the high incidence of broken windscreens caused by flying stones being thrown up by passing vehicles.

A survey was made recently by the Federal Chamber of Automotive Industries, which invited comments from manufacturers and assemblers of motor vehicles in the Commonwealth. These are summarised:—

(1) There are no practical means of modifying vehicle design to obviate the projection of stones from under the tyres of a fast-moving vehicle, nor do there exist any practical devices (i.e., that would not obscure forward vision) that could be fitted to protect windscreens from flying stones.

(2) The specially toughened glass fitted in windscreens is capable of warding off, without breakage, stones striking them with considerable force. It is only in cases where a passing vehicle is travelling at more than a safe speed that breakage may occur.

(3) Incidence can be reduced by drivers slowing up when approaching an oncoming vehicle and pulling over, as far as practicable, to the left verge of the road.

(4) The practice of a driver placing one hand on the windscreen at the time of passing another vehicle is dangerous. Both hands should be on the wheel.

The Chamber adds that it is logical, where roads are unsealed or loose metal lies about

which could be thrown up by passing vehicles, that this the main cause of windscreen breakages. Until the hazards of loose metal or stones can be eliminated, the incidence of breakage can be greatly reduced by intelligent driving habits.

## **Technical Hint**

When adding water to the radiator of a hot engine, start the engine, allow it to "idle," and then add water slowly. N.R.M.A. engineers say that this precaution will minimise the possibility of cracking the head or water jacket.

## **Licence for Inland Fishing**

Inland fishing licences are obtainable at the N.R.M.A. Touring Department, 3 Spring Street, Sydney, or the Association's Newcastle branch, Hunter Street, Newcastle.

Cost of the licence is £1. It entitles the holder to fish in inland waters for trout from 1st September to 30th April, for bass from 1st November to 30th April, for freshwater crayfish from 1st May to 31st January, and all other freshwater species from 1st December to 31st August.

## **Care of Leather Upholstery**

Leather upholstery is best cleaned by washing with lukewarm water and a very small quantity of pure soap.

The N.R.M.A. Technical Department says that the leather should be thoroughly sponged down afterwards with clean water and dried with a chamois. Use of soap containing soda or chemicals, or special cleaning compounds will damage the enamel surface of the leather. Petrol should never be used for cleaning leather upholstery.

After thorough washing, the leather may be preserved by applying a very small quantity of raw linseed oil, which should be thoroughly polished off with a soft, dry cloth.

## **Seat Belts in Sweden**

Swedish motorists are sold on safety belts. In September, 1959, 27 per cent. of Swedish cars were equipped with belts. In 1960 the figure rose to 40 per cent.

Volvo, the biggest motor car manufacturer in the country, is going to provide safety belts in all its cars, and Saab, the second largest, will provide seats to which belts can be easily attached. Most importers of foreign cars are considering providing belts free of charge.



# Australia's contribution to the English Language

The English language has undergone many important changes in Australia; so many, indeed, that some observers believe the Australian's flair for linguistic invention to be even more marked than that of the American. Since the United States has been inhabited by white people for twice as long a period as Australia, and today has a population about sixteen times as great, the fact that Australia has already contributed more than 10,000 new terms or adaptations of old terms to the language of the English-speaking world suggests that dialectal developments in Australasia are of major importance.

The reasons for this linguistic revolution are complex, but all are related to environmental and social factors. Two points of special significance are to be noted: (1) the vast difference between the circumstances of life in Australia and in Britain, and (2) the type of people who colonised Australia.

The physical characteristics of Australia, with its vast spaces, its bushlands and deserts, its unique flora and fauna, its isolation from the rest of the world, forced upon white pioneers the necessity for finding new words to describe their way of life. Thus it was that old English words such as **copse, rill, dingle, dell, meadow** and **woods** were discarded, to be replaced by new expressions—**bush, scrub, gully, creek, outback, backblocks, paddock, gibber plain, never-never**, and scores more.

The sheer weight of examples available makes it difficult to present any comprehensive picture of Australian English, but the following are representative of many hundreds of words of proletarian origin that have now now achieved the status of what might be called orthodox Australian usage:

**ALSO RAN:** A person who is a failure; one who has accomplished little or nothing in any competitive field.

**BARNEY:** A dispute, argument.

**BLUDGE:** To impose on, to loaf; as a noun, an imposition.

**BUCKLEY'S CHANCE:** A slim chance, or no chance at all.

**DRONGO:** A simpleton or fool.

**FURPHY:** A rumour, a false report.

**OFFSIDER:** A partner or companion.

**PLONK:** Cheap wine.

**RATBAG:** An eccentric person.

**RAZOO:** A small sum of money; a small amount of anything.

**SHEILA:** A girl or young woman.

**STONE THE CROWS:** An exclamatory expression.

**STOUSH:** A fight or brawl; as verb, to attack or fight someone.

**URGER:** A racecourse tout.

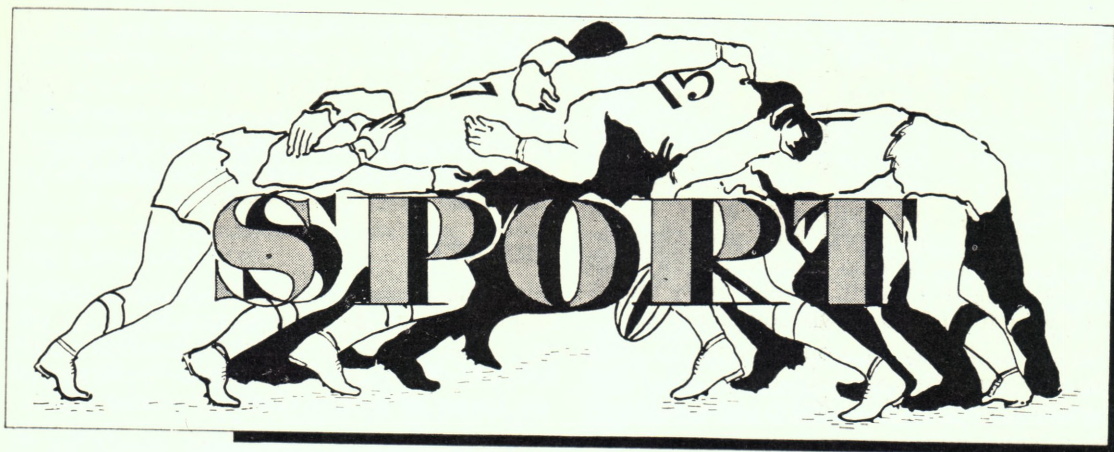
**WHINGE:** To whine or complain; to lament one's lot in life.

**ZACK:** Sixpence.

To the foregoing could be added scores of idiomatic phrases. Among them are: To put the hard word (or acid) on, to poke borak, send her down, Hughie!, game as Ned Kelly, to crack hardy, happy as Larry, no good to Gundy, rough as bags, drunk as Chloe, to pick the eyes out of, over the fence, to white ant, to run rings around, and to drop one's bundle.

Beneath the level of this (approximate) linguistic orthodoxy, there is a solid stratum of colloquialisms and slang, touching almost every aspect of Australian life. Due to strong sociological factors, typified by the Australian's intense egalitarianism, many of these terms are tending to become regarded as orthodox. Many more, however, are likely to remain fairly localised among such groups as outback inhabitants, craft workers, sporting enthusiasts, and members of the underworld, and in isolated sections of the Australian community.





## A ROUNDUP OF THE MONTH'S ACTIVITIES

### FOOTBALL

In its best season ever, Berrima managed to make the final in the reserve grade competition. However, they were defeated at the hands of Picton, and thus deprived of a grand final match against the undefeated Bundanoon side.

Berrima moved into the final, following its win over Thirlmere in a scrappy semi-final tussle. The Thirlmere boys were way out of condition and finished the match with only ten men. Despite this, Berrima could only score 8 points to Thirlmere's 5. Perry Parmenter showed out well with some long weaving runs from the scrum base, and Pat Taylor and Col Moore both scored tries from determined individual efforts.

The Berrima selectors dropped a bombshell on the Thursday prior to the final, when they dropped three regular players, and ruffled the whole team. However, the final team was one of full strength and had every chance of winning the match. The final score was Picton 17, Berrima 9, and so the scores indicate it was a fast open game.

Berrima was prepared for Picton's notorious "flying start," and in the opening stages, matched speed with speed and went to a 4-0 lead. Failure to finish off promising moves robbed the Berrima boys of further valuable points during the first half, and when Picton crossed the line, just before the half-time bell, Berrima was down 5-4.

A disappointing lapse in the early part of the second half caused Berrima to fall further behind at 12-4. With time running out Berrima unleashed a strong finishing burst

and drew up to 12-9, with a great try by hooker, Trevor Mott, who was playing the game of his life. The "green and reds" were now right on top and looked like going on to victory when an unlucky break saw a Berrima player lose the ball and a Picton player dived on it to score near the posts.

Time ran out shortly after and Picton took the final by 17 points to 9.

### BOWLS

September, the first month of spring, was very disappointing from a bowling point of view. Two fine weekends and two very wet ones.

However, S.P.C. bowlers were to be seen on all the district greens, participating in both social and district games.

Our "All S.P.C." four, Fuller, Knight, Rutter and Armstrong chalked up their second win in the district fours. Alwyn Counsell with his Bundanoon four also won and now plays Fuller's four in the quarter final. Sam Fleeton, playing lead for Erle Byrne's Moss Vale four had a good tussle with Petty Berry—and finally lost a close game to Peter's Bundanoon four.

Jim Bell, from the Colliery, lost a close game to Tom Beattie's four.

In the District Pairs our players had mixed fortunes in the first round. Harold Sheather and his partner had a nice 27-17 but Curly Ling and partner lost 19-21.

Our singles representatives had a very good first round. Results:— Bill Rutter won on a forfeit. John Fuller won 31-17. Fred Armstrong won 31-16. Curly Ling won 31-4. Cut it out, Curly! Alwyn Counsell won 31-23.



So much for the district games—now for the good side of bowls—social.

Most of the mixed days were washed out, but Bundanoon were lucky and had quite a good roll up. One player everybody was pleased to see in action was Jack Brown—our shift foreman. Jack only gets every fourth Sunday free from work but, according to Jack, he and his wife so enjoyed the day that he'll be using that fourth Sunday every month to play in the mixed bowls competitions.

Sandy Galloway is complaining his wife wants a trophy cabinet to house all her mixed day winnings. Mrs. Galloway was again in the winning four.

It was almost a double event, because Sandy just missed out.

Now, just a word about our No. 1 Cement Despatcher—Marcus William Jones. He can't play bowls, the poker machines have got him

tricked—but not this carpet bowls. I told you in last issue to watch him. Well he's done it again! This time at the Moss Vale Golf Club's charity day. I know now why Kevin Howard and his bowls boys at Marulan are thinking twice about challenging this end to carpet bowls—they've heard about Mark!

## CRICKET

Cricket is away again, with the competition beginning on the 30th September, and this year the entries in First Grade have been doubled to make eight teams in First and six teams in Second Grade.

S.P.C. this year is fielding a First and Second Grade team and both teams could be early favourites to win the competition. The First Grade team has been strengthened the addition of four prominent 1st Grade cricketers in Lloyd Veal, Keith and Geoff



*The Berrima Football Team.*

*Mel Toomey (wicket-keeper 2nd Grade team) waiting expectantly for a catch.*





Larsen and Billy Poland. With these four plus the nucleus of last year's team, S.P.C.'s bowling line-up will be by far the strongest in the district.

With the new players coming in there will be a residue of First Grade players which will strengthen the Second Grade team. This team will also be instrumental in fostering promising junior cricketers.

Unfortunately with the competition starting on the holiday weekend, several players were unavailable for the first match and both teams were weakened. The draw for the first match was:—

1st Grade: Bundanoon v. S.P.C.

2nd Grade: S.P.C. v. Central Juniors.

At the annual meeting of the S.P.C. Cricket Club a new secretary was elected in Alan Evans. Mr. McNicol was re-elected President, and Tarn Wrightson, Treasurer. Tarn, incidentally, is an honorary life member of the S.P.C. Cricket Club.

## **MARULAN**

### **Rifle Shooting**

Barry Barnfield, Rex Izzard and Doug Taylor from Marulan Rifle Club were competitors in the annual Queen's Shoot in Sydney this month.

When the "Newsletter" went to press, the results were not available.

### **Night Tennis**

Work is proceeding well on installing lights for night tennis at Marulan South.

With the cold wintry winds gone, it is certain that night tennis will be a favourite meeting place in the months ahead.

Every weekday, the women of the village gather for their games and always on Sunday there is a crowd at the courts.

### **Cricket Opens**

The cricket season opened at Marulan South on 24th September with a match against Lockyersleigh.

The locals opened their shoulders to make a tidy 261. Top scorers for the home side were Len Pole 80, Geoff Cosgrove 45, Percy Penfold 39, Billy May 35 and Mick Cosgrove 24.

The visitors were all out for 187 with top scorers K. Bell 29, R. Davenport 46, J. McIntyre 35 and L. Hoare 25.

The match was played in ideal conditions and a larger crowd than usual watched play. Since the match was an all day affair, most of the visitors brought picnic lunches or were entertained by friends.

### **Cycling**

Raymond McCallum, son of the quarry storeman, Bill, won the Consistency Points Award in the Schoolboy Section of the Goulburn Amateur Cycling Club road season just concluded.

In Sydney, Raymond was placed fourth in the State Championship. He won the sixth lap sprint and carried off about £18 worth of trophies.

His young brother Don, aged nine, is also something of a potential champion with a third and a first to his credit for two starts.

### **Premiership Win**

Marulan 1, strongly studded with S.P.C. employees, won the soccer premiership for the second year in succession by defeating Athletes (Goulburn) 3-1 in the grand final at Goulburn, on 23rd September.

Marulan outplayed their strong opponents in every department and their closely-knit teamwork brought well deserved applause from the large crowd.

Scorers for Marulan were Shorty Kopec (1), Kevin Bailey (1) and Ted Thorne (1).

## ***World's Largest Screen Commissioned***

A new coke screening and sizing plant incorporating the largest vibrating screen in the world, was commissioned on 1st June at the Illawarra Coke Works at Coal Cliff.

The screen is 62 feet long by 8 feet wide overall.

The plant will provide almost unlimited possibilities of size variation in metallurgical coke supplied to Australian foundries and smelting industries.

Construction of the plant is a further step in the Company's £5 million development programme under which Coal Cliff Colliery has been equipped to produce large quantities of washed hard coking coal to meet the increasingly specialised demands of industry.

The screen was specially designed in Germany and manufactured in Melbourne by Lockers (Australia) Pty. Ltd.



# Employees' Welfare Sick and Accident Fund

By Fred Bonnar — Chairman

Following a very successful launching of this scheme at Berrima during July, we have been requested by Marulan to consider taking them into a combined scheme. The committee feel that this practicable providing they can provide the same percentage of members as we obtained here, that is 90% of the wages employees.

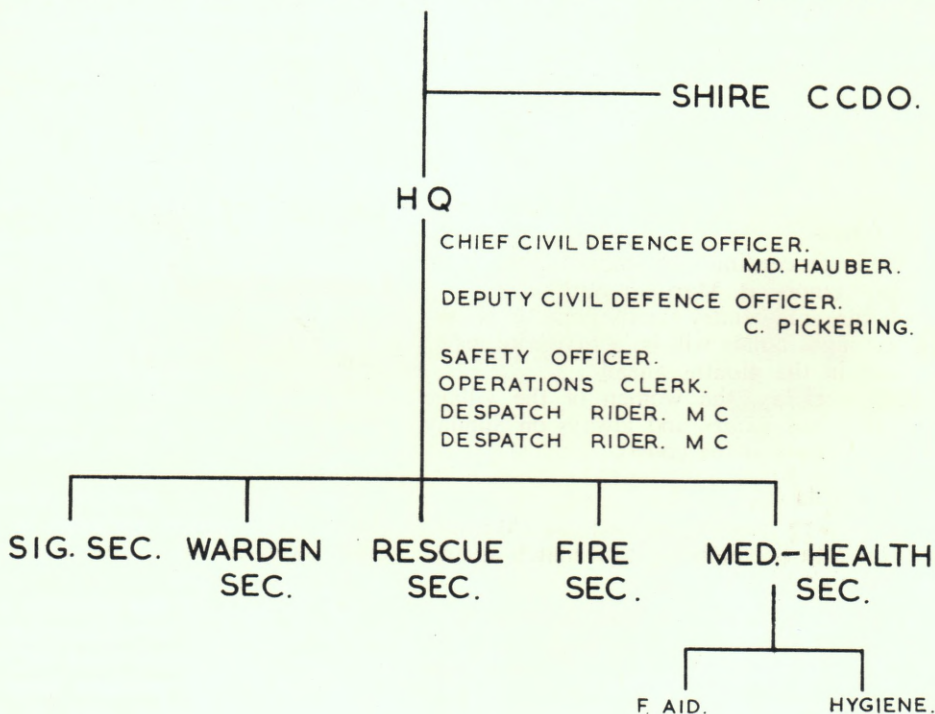
All Marulan employees received an application form in their last pay envelopes, and it is now up to you chaps to see that all forms are in as soon as possible in order that the committee can make a decision on

this matter. It is only with numbers that we can give the stated benefits.

Berrima now has a total of 293 members out of a possible 305. So on these figures it should not take much thinking about. It is also possible to claim Commonwealth Sickness benefits over the amount received from this fund which makes it a very attractive proposition and any wages man would foolish not to be in a fund of this kind.

Thanking the Editor for this space, and hoping for the co-operation of all to make a success of this project.

## S.P.C. CIVIL DEFENCE ORGANISATION CHART





# Personal Pars — Heard on the Grapevine

## BERRIMA:

To Mr. and Mrs. Eugene Lieu, a son, born on Monday, 2nd October.

Somebody must have told Eugene that for a first child the right thing to do was to present cigars to his workmates. There's no doubt about all of us at the Works Office remembering the day Eugene's son was born. Have you ever tried to smoke a big fat cigar in one sitting?

Congratulations, Katherine and Eugene!

It's great to be some blokes! Two characters at the works have their wives well trained. On a Monday, around lunch time, these two wives stroll down to the works from New Berrima to bring hubbies' lunch—nice fresh bread I suppose.

I had a tough job enticing them to pose for the photograph below.



Mrs. Jack Dickson (left) and Mrs. Joe Bizjak.

Mrs. Pat Scott of the General Office is recuperating at home after a week in hospital. Her many friends wish her a speedy recovery.

During August, Bill Townsend featured in a very hazardous incident during his annual holidays. Together with Cec. Warner and respective families Bill touted south to Bate-man's Bay for a fishing holiday. During one fishing trip which Bill went on with a friend they suffered a major catastrophe, when the motor of the launch broke down four miles wide of Batehaven. With no oars and having

lost the kellick and with no water or food in the boat, they faced a serious situation. Darkness came with still no sign of rescue and by 7.30 p.m. the boat had drifted 10 miles south along the coast. However, tragedy was averted when, at 7.45 p.m. they were taken in tow by a passing fishing launch and two very relieved fishermen eventually reached land.

Congratulations, Bill, on a lucky escape!

## MARULAN

### Joining Navy

Always the sea is calling. So wrote one famous sage a century ago, and its message has reached two Marulan lads.

They are Joe and Stan Kopec, sons of Stan ("Shorty") Kopec, a member of the S.P.C. Maintenance team at Marulan South.

Shorty came to Australia from Europe 12 years ago. He was born in Poland and spent some time in Germany where Joe and Stan were born.

They decided to join the Royal Australian Navy and will leave soon to take up their apprenticeships.

Both boys have reached Intermediate standard at Goulburn High School, where they have done well in their studies and excelled themselves in sport.

They hope that their records in soccer and basketball will help them when they join the Navy.

Apprentice Fitter, Graham Carey, has returned to Berrima after three months at Marulan South. During his stay there, he proved himself a willing and popular member of the Maintenance Section.

Electrical Linesman, Merv. Haskell, has returned to work after an absence of more than two months, following an operation.

Shift Foreman, Vince Cosgrove, has returned to work after annual leave. During his absence, his place was taken by Trevor Pearson.

The many friends of Jack Feltham are pleased he is out of hospital and hope that he will soon be back on the grader. At present he is convalescing at his home in Marulan.





## OCTOBER

**FLOWERS.**—SOW: Antirrhinum, Aster, Balsam, Coreopsis, Celosia, Convolvulus, Cosmos, Dahlia, Eschscholtzia, Gaillardia, Comphrena, Helianthus, Ipomea, Marigold (African and French), Nasturtium, Petunia, Phlox Drummondii, Portulaca, Salvia, Scabiosa, Sweet Peas, Zinnia.

**PLANT:** Antirrhinum, Aster, Dahlia, Petunia, Phlox Drummondii, Penstemon.

**VEGETABLES.**—SOW: Beet, French Beans, Butter Beans, Carrot, Parsley, Peas, Spinach, White Turnip, Cabbage, Leek, Tomato, Lettuce, Mustard, Onion, Radish.

**PLANT:** Silver Beet, Lettuce, Tomato.

During this month, the Flowering Cherries are at their best. These are essentially cold climate beauties and are most suitable for our district. The major shrub and tree planting is now finished, but plants out of pots or tins can still be planted, provided you are able to water them. Most of the summer blooming annuals can be planted during the next few weeks for a good display during the hot months.

French beans and butter beans should be put in now and plantings of these should continue at fortnightly intervals, to ensure a constant supply.

The main crop of tomatoes should be put in now. Tie the plants to stakes and remove some of the side branches to encourage the plants to set fruit.

After the recent windy weather, check all ties on stakes to see that these are firm and renew any which need replacing. With the rush of warm weather, weeds and "wogs" have got away to a good start. Wage war on these and also make sure that all transplanted shrubs and trees have an adequate water supply to keep them going during the first flush of new growth. Remember that weeds develop diseases which may be transferred to growing plants and they also harbour insects, so keep down all weed growth by constant cultivation.

# An unusual Hobby

The Remembrance Driveway on the Hume Highway at Berrima is the scene of a most unusual hobby followed by Fred Morris, who looks after the gardening of these beautiful driveways.

You know of course that the Company's line crosses the highway just south of the turn-off to the works and the Remembrance Driveways are situated either side of the railway line and the road.

It is this crossing which yields a wide variety of articles which are later used to decorate the implement shed which is Fred's headquarters.

Motorists whipping across the lines at high speed apparently are unaware that they have shed parts of their vehicles and continue on their way. High on the list of items recovered from along the grass verge are hub caps and on a recent visit to the implement shed I saw no less than thirty various types of hub caps. Petrol tank caps also are recovered and on one occasion a huge motor cowl crashed to the road from a passing lorry and the driver went merrily on his way unaware that he had lost a probably valuable piece of equipment from his load.

Despite adequate warning signs applicable to a level crossing, motorists appear to be bent on attaining top speed, having just passed the derestriction sign at Berrima. No matter how perfect the crossing, from a construction point of view, there would still be a slight bump and the excessive speed is all that is required to shake loose the odd hub cap or petrol tank cap and occasionally some more expensive piece of equipment.

Volkswagen manufacturers could well take a tip from the picture (opposite page) as their hub caps feature prominently.

"I tell you I won't have this room," protested the little old lady to the bell boy.

"I'm not going to pay good money for a closet with a folding bed. If you think that because I'm from the country . . ."

"Get in, lady, get in," the bell boy cut in wearily. "This isn't your room, this is the elevator."





Top: *The Level Crossing.*      Bottom: *Wall Decorations.*



# SOUTHERN CEMENT IN CANBERRA BRIDGE

Currently under construction and using Southern Cement is the Kings Avenue Bridge at Canberra. The bridge actually consists of twin bridges each having a 26ft. causeway and a 4ft. footpath.

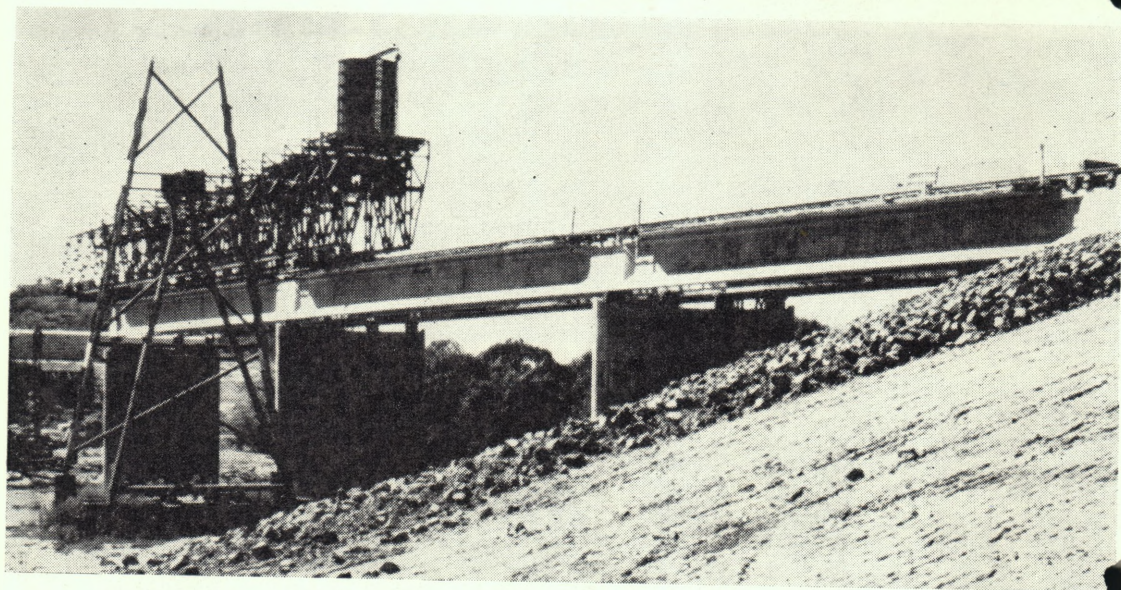
Small, by comparison with other similar bridges, it is, however, unique in certain respects. Each span (there are seven in all) has four prestressed post-tensioned beams having a maximum weight of 132 tons. The beams were cast on the site in one unit—one cable being stressed at seven days after pouring to prevent shrinkage and cracking, the balance

of the cables being stressed at 28 days.

The bridge is founded on 18" dia. reinforced concrete piles, the superstructure being pinned at one abutment and a 12" expansion joint at the other abutment—intermediate supports are 24" dia. cast steel roller bearings.

The bridge is a series of simply supported spans under dead load but continuous under live load.

Kerbways are cast in white concrete for architectural contrast and the aluminium handrails enclose the concealed lighting.



*Kings Avenue Bridge*

## What is Prestressed Concrete?

In conventional reinforced concrete the high tensile strength of steel is combined with concrete's great compressive strength to form a structural material that is strong in both compression and tension. As excellent as this combination of ordinary steel and concrete has proved to be, it does not take full advantage of the higher concrete strengths now readily obtained. Physically, in many cases, it is impossible to provide enough steel to develop a tensile strength equal to the concrete compressive strength. This is overcome by introducing a compressive force on the concrete by a process called prestressing.

Prestressing breaks down previous limitations on the spans and loads for which a concrete structure can be economically designed. It permits the building of concrete bridges, roofs, floors and structural members of longer unsupported spans than ever before. It enables architects and engineers to design and build lighter, shallower concrete structures, where these qualities are needed, without sacrificing strength. And it permits the construction of concrete pipes and tanks to resist even greater internal pressures.

The basic idea of prestressed concrete is to eliminate or greatly reduce the tensile or tearing-apart stresses to which certain por-



tions of bridges and buildings and the walls of tanks and pipes are subjected. This is done by stretching the reinforcing steel so as to superimpose compressive stresses in the concrete.

The strengthening effect of compression is similar to the "squeeze" put on a horizontal row of books when they are transferred from one place to another. A row of books has a form similar to that of a beam, although the volumes are not bound together. When sufficient pressure is applied to the two end books, compressive stresses are induced throughout the row. The books may be lifted and carried horizontally, even though the centre volumes are unsupported.

These strengthening compressive stresses are induced in prestressed concrete in one of two major ways; by the pretensioning or by the post-tensioning of the steel reinforcement.

In the pretensioning process, the steel is stretched before the concrete is placed or has hardened. After the concrete has hardened around the tensioned reinforcement, the jacks or stretching forces are released. Then, as the steel seeks to regain its original length, the tensile stresses are translated into compressive stresses in the concrete by means of the bond between the concrete and steel.

In post-tensioning, the steel is stretched after the concrete has hardened, and is fastened externally by means of anchors or other gripping devices. In this process, the steel is tensioned against the concrete so that any "pull" exerted on the reinforcement results in a corresponding compressive "push" against the concrete. The greater the tension on the steel, the greater the compression on the concrete.

Because they can withstand and maintain a large amount of tensile stress, high-strength steel wires are nearly always employed in prestressing concrete—but some alloy steel rods may be used also.

Although prestressed concrete is not a new idea, only about 1940 did it become recognised and developed as an important and practical type of construction.

The first patent on prestressed concrete was issued in 1888 to P. H. Jackson of San Francisco, and in following years several other patents were granted in that country. But while some of the first steps were taken in America, the initiative soon went to Europe, where the development of prestressing was taken up by engineers in France, Belgium and Germany. A major hurdle was cleared about

1929 when Eugene Freyssinet, a prominent French engineer, found that compressive stresses could best be induced in the concrete by means of high-strength steel wires. In the last decade and a half, development work abroad has been spurred by the necessity for rebuilding, in the face of a scarcity of construction materials, many bridges and structures damaged or destroyed in World War II. It was in Western Europe and in England that prestressed concrete developed into full maturity and became an important type of construction.

Its success, increased use and growing application in foreign countries have been responsible for a "rediscovery" of the material in the United States, where in the past few years notable strides forward have been made. Significant among these was the start of construction in late 1949 of the Walnut Lane Bridge in Fairmount Park, Philadelphia. This structure, with a 160ft. centre span and two 74ft. side spans was the first prestressed concrete bridge to be started in that country. It was completed early in 1951.

After work was begun on the Walnut Lane Bridge, a second, smaller prestressed concrete bridge was built and opened to traffic in Madison County, Tenn. This bridge, officially dedicated in October, 1950, was the first prestressed concrete bridge to be completed in the United States. Since then more than 225,000 feet of prestressed concrete bridges have been built in that country.

Both as an adjunct to reinforced concrete and as a promising construction medium, prestressed concrete has many potentialities for the future. It is to be expected that important new contributions will be added to the already well-established procedures as its use increases in this country.

## LET'S LAUGH

A drunk was trying to walk down the street with one foot in the gutter.

"Come along, buddy, you're drunk," growled the cop.

"Thank heaven," said the drunk, "I thought I was crippled."

Boarder: "It's disgraceful, madam. I'm sure two rats were fighting in my bedroom last night."

Madam: "What do you expect for £12/10/- a month? Bull fights?"



## FISHING NOTES

The 1961 trout season got off to an exceptionally wet opening on 1st September, but this did not deter some of our freshwater piscatorial enthusiasts from reaping moderate harvests of trout. Burrinjuck Dam and Lake Eucumbene were visited by several parties and few came home empty handed, and despite torrential rain fish up to five pounds were the order of the day.

If by any chance you are lucky enough to be planning a trip to Eucumbene in the near future bear in mind, October has the reputation for being the month of the big brownies.

Local streams also produced some nice fish, despite the swollen waters on the opening days. And whilst on the subject of local streams (NO, we don't intend to tell you how, when, where, etc. to catch them) it's most interesting to look back into the early history of the trout in New South Wales and follow the propagation of the species through our streams.

Trout were officially introduced to this state in 1889, and it is almost certain some of these first fish were liberated in this district. As a matter of fact the head of the State Fisheries of the time, Mr. Lindsay Thompson, selected a site at Berrima as his first hatchery and rearing ponds, but the Government would not produce the required finance and Mr. Thompson had to use the kitchen at the Fisheries Office in Phillip Street, Sydney to hatch the first supply of ova brought from Ballarat to this State, and by all accounts he did have some success.

From Phillip Street the hatchery was moved to an old stable at Prospect, and by 1899 about 100,000 fry had been liberated.

Before the First World War, Wildes Meadow Creek was producing six pounders. Let's hope it carries on the good work.

About the same time as Mr. Thompson was battling with his Phillip Street kitchen, two gentlemen from Monaro district, a Mr. Rose and Mr. Crisp, were introducing the first trout to the Snowy River. They did the trick by transporting the fry in large billycans attached to the saddles of their horses. Needless to say the fish didn't look back in those waters.

From this early start the Acclimatisation Societies and Hatcheries grew, until today, it is doubtful if there is a suitable stream in the State that hasn't been stocked with trout at some time.

Another interesting aspect of trout in this district is the enthusiasm shown by land holders to stock their farm dams and ponds. Again we have to turn to Victoria to obtain these fish, and the Ballarat Hatchery ingeniously transports them in large plastic bags. The fish are placed in a couple of gallons of water in these bags, the remaining space in the bag being filled with oxygen, they are securely tied, placed in a robust carton, and sent by rail. From Ballarat to Moss Vale is a long way but in April 100 fish, 3 to 4 inches long, weathered the journey exceptionally well; the movement keeps the water aerated, and after a night in the train the fingerlings are rearing to get loose and grow into battling monsters. Old established dams give excellent growth rate and with the right conditions, one might expect five pounders within three years.

Now for a tasty finish, if at any time you have a big rainbow and you really want a treat, persuade your butcher to smoke it for you, we won't try to describe the feast, tastings believing. Try it for yourself.

Ed. note: Thank you, Peter Steindl, local fishing expert!





## ***Do you know that . .***

During the peak of construction activity on the Grant Park Underground Parking Garage in Chicago, 3,591 cu. ft. of ready-mixed concrete was delivered and placed per hour—enough to build 224 feet of concrete pavement 24 feet wide and 8 inches thick?

Concrete floor slabs, weighing slightly more than 700 tons and measuring 80ft x 195ft., were cast one on top of another and lifted on 36 supporting columns to form the floors of a multi-storey building in San Antonio, Texas?

Limestone is mined as deep as 1,500 feet underground and brought to the surface for cement manufacture?

Concrete has an important role in one of Hollywood's most expensive productions? Approximately 20,000 cu. ft. of concrete was placed for the parting of the Red Sea sequence of Cecil B. De Mille's film, *The Ten Commandments*.

## ***Personal Pars***

In their quarterly Technical College exams and assessments for work, the following points were awarded to the six Marulan South apprentices; Myles Creswick 43, John Jervis 40, John Hardgrave 39, Eddie Read 36, Noel Stefensen 34 and Eddie Cooper 27. The possible was 50 marks.

Norm Willdin, boilermaker, who left the company in May to work for another in his home town, Goulburn, is back with the maintenance group. He thinks there's no place like this "home."

Graham Carey was lucky to escape with a shaking when his car skidded on a slippery road between Marulan and Marulan South recently. The car was damaged, but Graham was able to clock on a few minutes late.

### **SYDNEY OFFICE**

Mrs. Marie Farrell and husband Ray are at present holidaying at Leura. When asked

what they intended to do while away Mrs. Farrell was heard to say, "golfing, eating and drinking in that order." I hear the drinking water at Leura is most refreshing.

Miss Dawn Geddes, previously of Berrima Office, spent the long weekend at home in Bowral. I hear there was much discussion of weddings as Dawn is to be bridesmaid to Joan Scullen in November. Joan's brother, Robert, is also an S.P.C.-ite.

The South certainly attracted Sydney Office staff over the long weekend. Les Edwards attended a church camp at Albion Park and from all reports Les, who's a great organiser, had everything from barbecuing sausages to singing songs around the fire, going with a swing.

## ***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.

A Carolina mountaineer cornered a young sprout one evening and demanded: "See here. You been courtin' my daughter for three years. You got to tell me about your intentions. Be they honourable or dishonourable?"

The young sprout's face brightened visibly: "You mean I got a choice?" he asked.

"I am beginning to suspect," said the bridegroom, "that your 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!'"



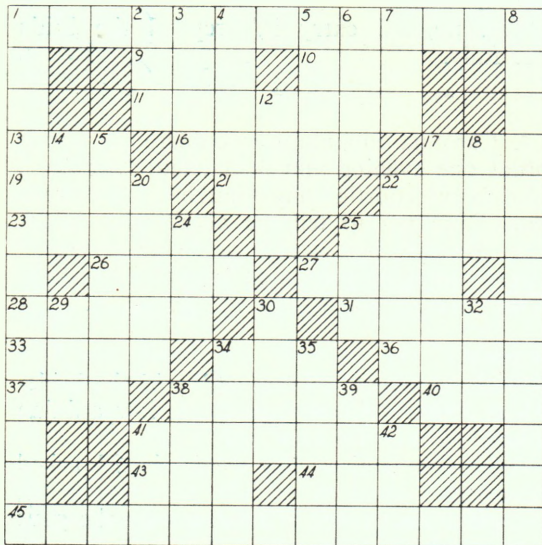
# — PUZZLE PAGE —

The result of Problem No. 31 is shown at right. Winner for this month was Mrs. Margaret Larsen, of the General Office.  
 Congratulations, Margaret!

## PROBLEM 32

### Across:

1. Range of hills in England
9. Cereal
10. Hurry
11. Poems set to music
13. Australian State
16. Jumps
17. Through
19. Lachrymal drop
21. Thing (L.)
22. Inhale quickly
23. Lessons
25. Auctions
26. Wood
27. Festive
28. Puny
31. From which chocolate is made
33. Organs
34. Public conveyance
37. Possessive pronoun
38. Pair
40. Arrange
41. Makers of clothes
43. Name
44. Australian animal (abbr.)
45. Sinners



L	I	B	E	L	A	B	O	U	N	D
T	I	M	E	S	E	R	V	E	R	U
S	P	R	E	E	E	N	E	R	G	Y
T	U	G	S	O	R	T	A	G	E	
T	E	R	S	E	S	L	I	E	S	
I	R	E	A	C	C	I	D	E	N	T
P	P	R	O	O	U	T	F			
C	O	A	L	M	I	N	E	S	P	A
P	O	U	R	M	S	A	L	A	D	
E	N	S	F	E	A	T	R	O	T	
A	S	T	E	R	N	E	L	O	P	E
U	S	E	T	T	L	E	M	E	N	T
S	L	A	K	E	S	L	E	A	S	T

### Down:

1. Balance
2. Piece of turf
3. Lament
4. Aquatic carnivore
5. Falls
6. Shades
7. . . . and outs
8. Skilled marksmen
12. Chinese weight
14. Body of water
15. Idlers
17. Royal dwellings
18. Direction
20. Tall grasses
22. Bird
24. Speak
25. Bag of fluid
29. Devour
30. Twofold
32. Auxiliary verb
34. Fetch
35. Twenty
38. Prevents
39. God of love
41. Treat hides
42. Distress signal



PS

entirely scanned

# SPC

Vol. 3, No. 11

NOVEMBER, 1961

**MONTHLY NEWSLETTER**

SOUTHERN PORTLAND CEMENT LTD.

MARULAN — BERRIMA — MEDWAY — SYDNEY



## GENERAL MANAGER'S NOTES

At the end of October the Annual Meeting of the Council of the Cement and Concrete Association took place in Sydney and was attended by our Chairman, Mr. A. A. Parish, who is this Company's member of Council, and myself.

The President of the Association for the past year was Mr. E. M. Schroder, Managing Director of Adelaide Cement Co. Ltd., and I would like to quote from his Presidential Address facts and figures which you will all find extremely interesting.

"The gross consumption in Australia in 1960/61 was—

N.S.W.	Vic.	Q'land	S. Aust.	W. Aust.	Tas.	Other Areas	Total
1,155,586	739,877	371,281	341,521	159,222	100,369	2,904	2,870,760

"In 1920 Australian production of cement was about 250,000 tons. This year it will reach 3-million and new kilns will add a further 1½-million tons to the annual productive capacity in the next two years.

"Even in 1920 there was an atmosphere of growth and change in the industry. The earliest plants—South Australian Cement, Commonwealth and Australian Cement had already been in operation for thirty years and three upstarts were pressing their claims for places in the sun. Adelaide Cement had been six years in operation, Kandos four and Queensland a little less.

"During the past five years the increases in Australian demand have been—

1956-57	.....	5.3%
1957-58	.....	5.2%
1958-59	.....	8.9%
1959-60	.....	5.4%
1960-61	.....	8.9%

Average Annual Increase ..... 6.7%

"There seems to be every reason to suppose that, given only reasonable Government, and short of untoward events on an international scale, the growth rate of recent years should be exceeded—perhaps substantially exceeded, judging by the State Reports to which we all listen during each Conference and which, year after year, could fairly be entitled 'Australia Unlimited.'

"Even if the growth rate be restricted to 6.7% annually the Australian demand for 1969-70 will be 5,160,000 tons."

I am sorry that there is not enough space to let you have more information. However you can see that the cement industry in Australia, which includes us, has a very bright future.



# S.P.C. MONTHLY NEWSLETTER

*Distributed Monthly by:*

**SOUTHERN PORTLAND  
CEMENT LTD.  
BERRIMA, N.S.W.**

● **EDITOR**

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● **PRINTERS**

**Grant & Walker Pty. Ltd.**  
7a Norton Street, Leichhardt

**ALL CORRESPONDENCE  
AND ENQUIRIES TO:-**

*The Editor  
S.P.C. Monthly Newsletter,  
PBS 4, Moss Vale*

● **COPY DEADLINE**

*1st of the Month*

Vol 3 No. 11

NOVEMBER, 1961

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MEDWAY COLLIERY	R. JONES
SYDNEY OFFICE	MISS J. LILLYMAN

## - Contributions -

GARDENING NOTES	Mrs. C. CROWE Berrima
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# — EDITORIAL —

Dear Readers,

This month saw the introduction of our first safety film produced at the works.

The aim of the film was to portray the potential hazards which occur in the everyday life of men on the plant and to show as far as possible how these hazards can be approached to prevent an accident occurring.

Some of the accidents which were shown in the film have not occurred on this plant **BUT THEY COULD HAPPEN** and we feel that by showing you these accidents in a somewhat humorous form we would get the story to you in a more lasting form.

The film, of course, got a laugh from the first Safety Group which viewed it as some of the acting was superlative for off-the-cuff performance.

However, we appreciate the co-operation of all those who took part and our only regret is that more personalities could not be included in the film. This is only the first attempt and no doubt everyone will get a chance in future films.

In this respect we would welcome any criticisms you may have of the film and any comments you may have on the production of future films. Anything that will help present a better picture would be worth-while, as **SAFETY** is the all important factor to keep in our minds.

Christmas will be with us soon and we take this opportunity of reminding you of the Works Annual Picnic. Details of this gala day will be found in the Welfare News.

Our Civil Defence scheme is progressing well and the initial interest shown by employees is indeed heartening. Instalment each month in our magazine will help with education of one and all in respect to protection of life and property in the event of a nuclear war. We sincerely hope that we won't have to use this particular part of education but it is best to be prepared.

Until next issue,

Yours,

The Editor.

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## N.R.M.A. MOTORING HINTS

### Parking

Parking a car is a common, everyday occurrence for most drivers. But many do not park correctly. The N.R.M.A. gives the following hints which all drivers should observe:

Make sure the handbrake on the car is firmly applied.

If parking facing downhill, leave the car in low gear. If parked facing uphill, engage reverse gear. Have the front wheels pointing to the kerb and, if necessary, "chock" the wheels.

Don't park in prohibited places.

Don't park facing the wrong way.

And play fair. Don't leave the other chap too little room to get out. Also don't take up more room than you really need—the selfish parker makes it hard for everybody.

Always alight from your car by the door next to the kerb.

Finally become expert at parking your car accurately and smartly. If you can't normally do this, it is a wise idea to practise until you are able to park skilfully at all times.

### No Ferry at Bombah Point

Motorists intending to tour to Seal Rocks are advised of the suspension of the vehicular ferry service at Bombah Point.

The N.R.M.A. Touring Department advises that Stroud Shire Council has purchased a secondhand ferry for installation, but to date this has not been reconditioned for the run.

### Extracts from N.R.M.A. Annual Report

The N.R.M.A. Annual Report now being issued to members says that "the people of N.S.W. face an unenviable situation unless the roads problem is tackled immediately and effectively. Increasing personal injury and fatal road accidents, heavy losses from collision damages, growing delays from traffic congestion, both for commercial motorists and weekend pleasure drivers, and the banning of heavy transports from certain of the State's major highways on Sundays and public holidays add up to a repressing forecast for the future in the light of predictions that the number of motor vehicles on the road will double within the next 20 years or less."



The standard of many camping and caravanning grounds in N.S.W. is criticised. The N.R.M.A. says that although some grounds are of good standard and others are being improved, many do not offer reasonable facilities for the modern traveller.

Following on the classification of hotels, a similar classification scheme was undertaken in respect of motels. The Association says that motel proprietors co-operated well during the necessary survey and forthcoming editions of the N.R.M.A. Accommodation Directory will show modern-type motels in classified form.

The Association urges the State Government to provide greater facilities for the purchase of petrol outside the present trading hours, particularly in respect of sales on Christmas Day, Good Friday and Anzac Day. The report, in urging that the Government

permit the use of self-service petrol pumps outside legal trading hours, says: "The Government has refused to sanction the use of self-service petrol pumps in N.S.W. outside legal trading hours and the farcical position in this State is now that motorists may obtain petrol from self-service pumps at times when petrol is available from ordinary pumps, but are banned from using self-service pumps at the very times during which they would be most useful."

The N.R.M.A. was convinced that seat belts were an invaluable protection for every driver and his passengers and recommended to all motorists that they fit and use approved belts. It was intended to equip all N.R.M.A. vehicles with safety belts, both for the protection of the staff and as a lead to the public.

## Gardening Notes

By Mrs. C. Crowe



### NOVEMBER

**FLOWERS.**—SOW: Antirrhinum, Aster, Amaranthus, Balsam, Coreopsis, Celosia, Cosmos, Gomphrena, Sunflower, Marigold (African and French), Portulaca, Phlox Drummondii, Scabiosa, Salpiglossis, Sweet William, Verbena, Zinnia.

**PLANT:** Dahlias and Chrysanthemums, Antirrhinums, Aster, Marigold (African and French), Portulaca, Phlox Drummondii, Verbena, Zinnia.

**VEGETABLES.**—SOW: Beet, French Beans, Butter Beans, Runner Beans, Carrot, Parsnip, Sweet Corn, White Turnip, Green Peas, Tomato, Cucumber, Melons, Pumpkin, Squash, Vegetable Marrow, Cress, Lettuce, Mustard, Onion, Radish.

**PLANT:** Tomatoes, Lettuce.

The Bearded Flag Irises have been flowering for the past few weeks. If yours have not been as colourful as usual, make sure to add a good dressing of lime to the bed before dividing and replanting them in the Autumn. The rhizomes should not be planted deeply, only partially cover them with soil. Watch for snails on these beauties! Snails love the Iris foliage!

Most Dahlias should be planted now. Plant a single tuber with a strong eye that has commenced growing. Drive the stakes into the ground before planting the tubers. Do not

water Dahlias heavily until they are growing strongly or you may rot the tubers.

Stake all tall-growing plants as soon as the first tie can be made. This saves the stems becoming crooked.

Keep the vegetables growing steadily by regular cultivation, regular watering and regular doses of liquid manure if they are slow in maturing. Destroy any diseased plants.

The growing tips of vegetable marrows, pumpkins and cucumbers should be nipped out after the first fruits have formed.

## LET'S LAUGH

Counsel to police witness: "But if a man is in the middle of the road on his hands and knees that doesn't necessarily prove that he is intoxicated."

Policeman: "No, sir, it doesn't, but this man was trying to roll up the white stripe."

A clerk at the local bank informs us that a joint cheque account is never overdrawn by the wife, it's just under-deposited by the husband.

"Found—Bird or hat, which flew or blew into the Quarry. It's sort of round with green and red feathers or quills on it. If you've lost a bird or hat, or even if you haven't, drive by and see it; it's worth the trip."

Matron to paratrooper on furlough: "Son, how many successful jumps must you make before you graduate?"

Paratrooper: "All of them, ma'am."



# PERSONALITY PARADE

Each month we will be bringing you a personality or two from around the works under the scheme of "Know Your Fellow

Worker." Copies of the photos produced are available from the Editor should you care to have one.



*No. 1. Bob Friend (Powerhouse)*

*"The fish are biting like crazy, man!"*

A man would have to be crazy to take home a fish that size, Bob.

*No. 2. Fred Bonnar (Elect. Shop)*

*"Dig that crazy bias."*

We don't know what that thing is in Freddie's hand. Maybe it's the plum that he's got his thumb in.





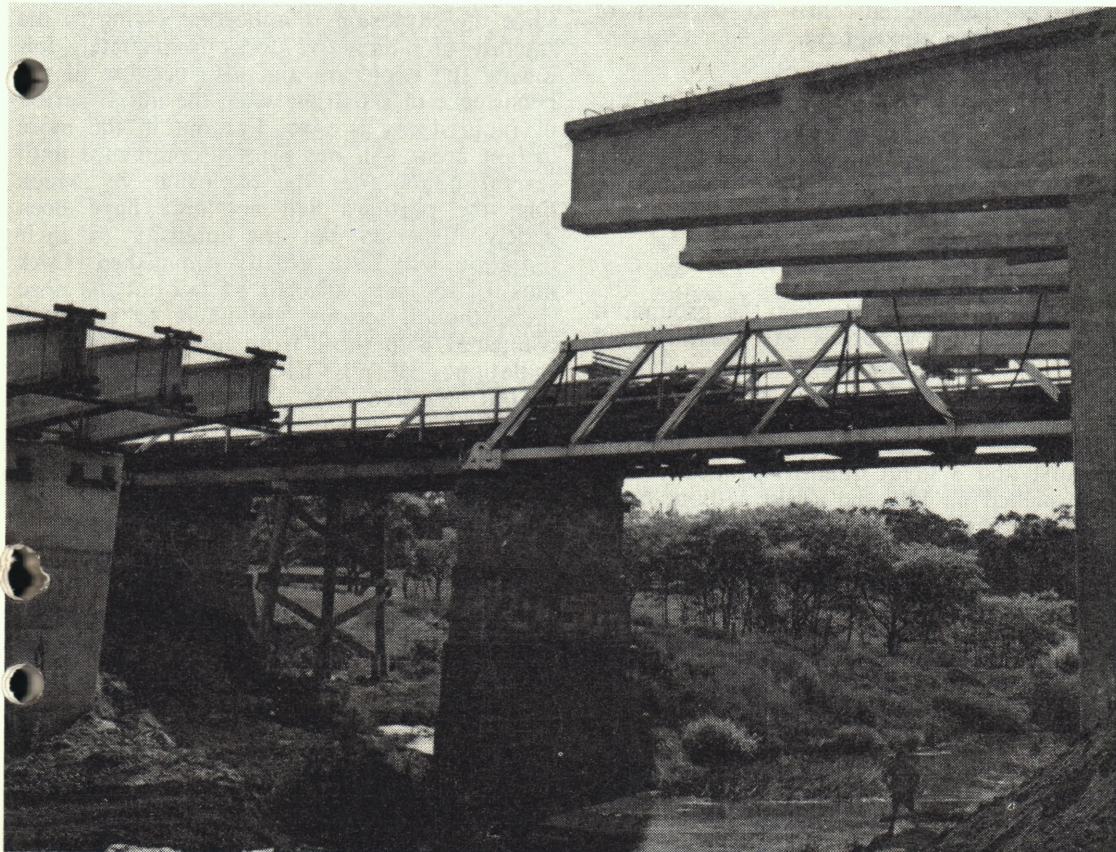
# The Old and the New

Pictured below is the Berrima Bridge soon to be replaced by a new prestressed concrete structure being erected alongside the old bridge which spans the Wingecarribee River at Berrima.

Work on the new structure was held up pending delivery of the prestressed concrete beams. These are now on the site and, as you can see from the photo, little time was wasted in positioning them on the piers. In fact, by the time this issue reaches you the beam work will all be completed and the decking

will be well under way.

By virtue of its position, the new bridge will have a better approach from the Sydney side, straightening up the bad bend associated with the old bridge. This somewhat blind approach on the old bridge was a contributing factor to some of the bad accidents which have occurred over the years. Some of our employees will no doubt remember the spectacular crash on the bridge involving a truck loaded with a certain beverage. Is it any wonder that a stocktake after the crash failed to track down all the load?



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**Remember! Safety for all —  
all for SAFETY**

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## **ANOTHER SERIES IN THE EDUCATION OF ALL PEOPLE WITHIN THE S.P.C. ORGANISATION**

Last month I gave you an introduction to Civil Defence generally, and in particular a description of Hydrogen Bombs.

This month I would like to consider in detail the problem of residual radiation (fall-out) and the protective measures necessary to remove or reduce the danger which it creates.

### **Introduction**

When an atomic or nuclear weapon explodes, the highly radioactive fission products are vaporised, and, as they cool, they condense and become attached to particles of dust, etc. in the atmosphere.

### **Air Burst**

In the case of an air burst where the fire ball does not touch the ground, the larger particles eventually reach the ground, but they are usually so dispersed and their activity so reduced by the lapse of time that they do not present a radiation hazard.

### **Ground Burst**

When the fire ball touches the ground, it swallows up and vaporises vast quantities of matter from the surface which later cool and condense into very fine solid particles. When the fire ball starts to rise, the suction at ground level is much greater than that of an air burst and a great quantity of heavy matter is sucked up into the cloud without being vaporised. The result is that the cloud contains much more solid matter than an air burst and thus provides additional material upon which the highly radioactive particles of the explosion condense. This material, to which is adhering radioactive substances, giving out gamma and beta rays, eventually reaches the ground.

Of course, some of the products of the explosion which are still radioactive, settle on the ground at the point of burst and some may spill over into the immediate area around and downwind, creating a serious radiation hazard. Any settling, spill over, or depositions of these radioactive products of the explosion which may be mingled with the dust, pulverised debris and earth sucked up with the ascending fire ball, is known as fall-out.

### **Factors Affecting Fall-out**

The height to which this material is taken

and its eventual dispersion as fall-out depends upon the power of the bomb, the nature of the surface upon which it is exploded and current meteorological conditions, particularly wind at various heights. In addition, it may be expected that the greater the distance from the explosion the less will be the concentration as the heavier particles which carry most radioactive material are deposited closest to ground zero and the lighter particles having been airborne for a longer time are more widely dispersed. The time that has elapsed since the explosion is important owing to the rapidity of radioactive decay immediately following the explosion and also because of the persistence of radiation when the initial period of rapid decay is over. Fall-out in the more distant areas will not usually commence until several hours after the explosion, by which time the particles will not only have been widely dispersed but the intensity of their radiation will have greatly diminished. Over most of the area affected by fall-out the dose rates, though serious, are likely to be small compared with those from immediate gamma radiation. HOWEVER, AS THE MATERIAL STAYS ON THE GROUND THE DANGER IS A CONTINUING ONE AND OVER A SUFFICIENT LENGTH OF TIME SERIOUS OR EVEN LETHAL DOSES OF RADIATION MAY BE ACQUIRED BY THOSE REMAINING UNPROTECTED IN THE AREA OR IN CROSSING SUCH AN AREA.

### **Example of Fall-out**

In March, 1954, the United States exploded a large bomb at ground level on an island in the Pacific. The bomb was estimated to be a 700(X) or the equivalent of 14,000,000 tons of T.N.T. Subsequently a Report, issued by the United States Atomic Energy Commission, indicated a cigar-shaped contaminated area extending approximately 220 miles downwind and varying in width up to 40 miles and in addition, an area upwind and crosswind where radioactivity could be detected as far as 20 miles from the point of detonation. At a range of 190 miles downwind, it was estimated that the dose received over 36 hours in the open would have been about 300 r.; at 160 miles it would have been 500 r. (50% lethal dose);



and at 140 miles it would have been lethal to everyone exposed in the open for 36 hours. People, however, do not usually spend 36 consecutive hours in the open, but the extent and degree of the danger does point to the necessity of taking protective measures to save the lives and health of the people in the affected areas. It will be noted that no figures of wind velocities at various heights are given, and it is known that owing to a sudden wind shift a portion of the fall-out escaped detection. However, the full significance of the extent of fall-out as regards ranges and intensity must be thought of in terms of Australian conditions.

#### Wind Structure — Australian Conditions:

- (a) Although radioactive particles may be carried to heights above 80,000 feet, it is considered that winds from 30,000 feet to 40,000 feet are of most significance. Thus a survey of the extent of fall-out from these critical heights will indicate the extent of the area in which precautionary measures against this hazard will have to be taken.
- (b) An intensive study of wind direction and velocity at various heights throughout Australia has shown that westerly winds prevail at the most significant heights throughout the area, and that these increase in strength with altitude above the surface up to about 40,000 feet and thereafter decrease. Winds are usually stronger in Winter than in Summer.
- (c) Research by the Bureau of Meteorology has enabled areas to be determined in which fall-out from various heights up to 50,000 feet would occur on 95% of occasions throughout the year as the result of bomb exploded at or near the capital cities and the major industrial towns in New South Wales.

#### Interstate Bursts:

Bombs burst on other capital cities, most significantly Melbourne and Adelaide, could also affect the State of New South Wales.

##### (a) Melbourne:

Based on the data already given, a bomb burst on Melbourne could within 12 hours, constitute a fall-out hazard anywhere in N.S.W.

##### (b) Adelaide:

Within 12 hours the whole of the State of New South Wales could be affected, except for the northern portion.

#### Intensity of Radiation:

- (a) The radiation hazard at any place can

only be assessed by actual monitoring with radiac instruments, as so many variables, such as wind speed, direction, weather conditions, e.g., rainfall, nature of ground on which the bomb is burst, all enter into the problem. However, in spite of this, it is possible to give a general picture of the radiation hazard likely to be encountered from a 10 megaton bomb.

- (b) Intensity of radiation might well be such that people who remained IN THE OPEN FOR 36 HOURS CONTINUOUSLY would receive at the distances mentioned dosages as listed with the likely consequences of effects as described.

Distance	36 Hour Dose	Probable Effects
42 Miles	2200 r.	Death.
120 "	680 r.	50% Deaths—Probably all incapacitated.
240 "	420 r.	33% Deaths—Probably all incapacitated.
480 "	170 r.	Up to 5% Deaths. Up to 75% incapacitated.

An indefinite stay in a contaminated area at 720 miles and 1,440 miles would result in the accumulation of 150 r. and 45 r. respectively. A dose of 150 r. would be such that periodic medical checks would be advisable.

(Roentgen or r is the unit of measurement of radiation).

#### Protection — Gamma Rays:

Because the risk is mainly from gamma rays from contamination on the ground and roofs of buildings, etc., a considerable degree of protection may be obtained by remaining under suitable cover. There are two factors involved in this protection—

- (a) Distance between the person and nearest contamination; and
- (b) Shielding effect of the material between the person and the contamination.

##### (a) Distance—

Because the range of gamma rays in air is much greater than that of beta rays, an appreciable part of the dose received at any one spot is made up of gamma rays coming from quite long distances; half of it comes from beyond 25' and the other from within 25'. One-third comes from within a range of 12½'.

Thus, in a house whose walls on an average are 12½' from the centre, one is



automatically protected from almost one-third of the outside dose, because contamination which would have fallen on this area is now upon the roof. In a bungalow, this would not be much of an advantage because of the low roof but, in a building with two or three storeys, the contribution from the contamination on the roof would

be comparatively small.

#### (b) **Shielding—**

The intensity of the radiation coming from outside the house—i.e., from beyond  $12\frac{1}{2}'$ —is reduced by the walls to an extent depending on their thickness. For the gamma rays from fall-out the following figures are appropriate:—

#### **Thickness in terms of—**

Concrete .....	3"	6"	9"	12"
Brick .....	$3\frac{3}{4}"$	$7\frac{1}{2}"$	$11\frac{3}{4}"$	15"
Earth .....	$4\frac{1}{2}"$	9"	$13\frac{1}{2}"$	18"
Wood .....	1'	2'	3'	4'
Reduction factor approximately .....	$\frac{1}{2}$	$\frac{1}{4}$	1/10	1/20
For instance a dose rate of 20r/hr. would be reduced to .....	10r/hr	5r/hr	2r/hr	1r/hr

#### **Practical Protection:**

Large buildings with a number of storeys, especially if they are of heavy construction, provide much better protection than smaller single-storeyed structures. Houses in terraces likewise provide much better protection than isolated houses because of shielding effect of neighbouring houses.

#### **Refuge Room:**

In choosing a refuge room in a house one would select a room with a minimum of outside walls and make every effort to improve the protection of such outside walls as there were. In particular the windows would have to be blocked up—e.g., with sandbags. A cellar would be ideal. Where the ground floor of the house consists of board and timber joists carried on sleeper walls it may be possible to combine the high protection of the slit trench with some of the comforts of the refuge room by constructing a trench under the floor. Once a trap door had been cut in the floor boards and joists and the trench had been dug, there would be no further interference with the peacetime use of the room.

#### **Protection—Beta Rays**

In spite of their very short range beta rays can no longer be ignored, although their effect will be small compared with that of the gamma rays. The only beta rays that are effective are those from material on the ground a few yards in radius from where a person is standing. Heavy clothing and thick boots and socks provide fairly complete protection against them. The skin itself acts as a barrier but particles on the skin produce, in extreme cases, a burning effect similar to sunburn. It would be a wise precaution to wear gloves when handling material which may have been contaminated so as to keep beta particles from

direct contact with the skin and it would be advisable to wash all exposed skin as soon as possible after leaving a contaminated area.

#### **Radioactive Decay**

Radioactivity cannot be destroyed or interfered with chemically and its decay can neither be accelerated nor slowed down. The average decay rate of all the various products of a nuclear explosion is such that as the time is doubled the activity is somewhat more than halved. More precisely, if the time is multiplied by a factor of 7 the activity is reduced by a factor of 10. As an example—

Time after Burst	Dose Rate in r/hr
1 hour	100
7 hours	10
49 hours (approx. 2 days)	1
2 weeks	0.1
14 weeks (approx. 3 months)	0.01

#### **Radioactive Poisoning**

This term is used to describe the results that may follow the introduction of radioactive material into the body. Such material may be taken into the body in various ways—for example:

- by breathing in contaminated dust;
- by eating contaminated food or drinking contaminated water; and
- by taking in contaminated dust into the blood stream through wounds or abrasions.

It has been found that this internal risk is small compared with the external risk due to gamma radiation from the area which is producing the dust. It is, however, important to avoid taking radioactive material into the body and protective measures should be taken to eliminate or reduce this danger.

A considerable degree of protection can be provided against beta rays from radioactive dust by ordinary clothing, the degree of pro-



tection depending on the thickness of the material and on its ability to prevent dust from reaching the skin.

Simple "smog" masks worn in dusty conditions give all the protection that is required against breathing in radioactive dust. Well-closed denim overalls or some such garment which will keep most of the dust from any other garments, the wearing of gum boots or strong leather boots with anklets or trousers closed at the ankles, gloves to prevent direct ingress of radioactive material into the body through cuts on the hands, sleeves closed at the cuff, a scarf around the neck to prevent the entry of dust and a closely fitting helmet or hat, such as a beret, will do much to prevent radioactive dust coming in contact with the skin.

### **Food**

Gamma rays have no harmful effects upon foodstuffs and the only significant hazard is the deposition of contaminated dust which may eventually find its way into the human system. In the area beyond that of general destruction, where buildings are still standing though damaged, stocks of food, especially those in containers or under cover, are unlikely to be affected. Deposition of contamination on growing crops will, however, be a hazard. Only food within the area of complete destruction would be affected by neutron irradiation and become radioactive.

### **Water**

Broadly the same principles apply as with food. Gamma rays have no effect upon water, but certainly in the case of hydrogen bomb explosions the deposition of contaminated dust on catchment areas and open reservoirs would constitute a serious hazard. A special version of the contamination meter has been designed for testing water, and water undertakings are well aware of the problems which face them from this type of hazard should it arise. It is worth noting that an ordinary domestic water softener in good condition completely removes the more dangerous elements (strontium and barium) from contaminated water.

### **Work in the Contaminated Area**

Work in the central area of devastation and the immediate area downwind may be quite impossible for some days and rescue and fire fighting activities may have to be abandoned or seriously curtailed. Approach from the upwind side would have to be strictly controlled from a radiological point of view. It appears as though two areas would have to be defined an outer area where the intensity did not

exceed a certain figure and where shift work for several days would be possible, and an inner area where it might, because of special tasks to be undertaken, be permissible for a man to take the whole of his dose in one shift.

The administrative problems of warning, maintenance of communications with the public, control of exposure to radiation, evacuation where necessary, maintenance of supplies in the fall-out area are exceedingly complex.

### **Conclusion**

It should be emphasised that all radiation is harmful and it must be the aim of everyone to keep his dose to a minimum. In the fall-out area this would be achieved by staying under the best cover possible for at least the first two days and thereafter following instructions implicitly. For some this would mean immediate release, for others it would mean that the minimum amount of time would have to be spent in the open for a week or longer, for still others it might mean controlled evacuation to safe areas.

## **WELFARE NEWS**

### **ANNUAL PICNIC**

Preparations are well in hand by the Welfare Committee for the Works Annual Picnic which will be held at Exeter Park on 16th December.

Each year employees and their families get together on this gala day to celebrate the Christmas spirit and enjoy the entertainment provided for each and every member of the family. The kiddies, of course, are especially catered for and the Christmas Tree with Father Christmas in attendance is a big attraction to young and old.

If you have not had the pleasure of attending one of our picnics in the past we thoroughly this year's event which promises to be even better than past picnics. Something like 500 persons will be attending and a comprehensive programme has been arranged with the usual competitive events for all ages.

We expect to see some keen competition for the General Manager's Trophy which is currently held by the Machine Shop.

Remember the date, 16th December; programmes, etc. will be available shortly.

### **Marulan**

The S.P.C. Welfare Sick and Accident Fund met with a ready response at Marulan South.

It was generally agreed that the benefits were better than those offered by another organisation and about 107 signed up as from the first pay period in November.



# ✓ **PLANT JOTTINGS**

## **MARULAN**

There is considerable interest in the Marulan district since the announcement by the Company that extensive development would take place in the next six months or so.

Goulburn radio station and the "Evening Post" have given the news prominence, especially in view of the suggestion that more men would be employed.

Meanwhile, preliminary work is proceeding with a road between the existing South

Quarry and the new site, which will be close to the old Weenga area.

\* \* \*

The following pictures give some idea of how a bird would see our various plants.

1. Marulan Quarry overlooking the Shoalhaven Gorge. The large-scale development of our quarry is readily discernible from this shot taken from 2000 ft.
2. Berrima Works from a height of 1500 ft.
3. Medway Colliery with the Wingecaribby River in the background.



*Marulan Quarry.*



S.P.C. BERRIMA 1961



Top: *Berrima Works.*

Bottom: *Medway Colliery.*





## A ROUNDUP OF THE MONTH'S ACTIVITIES

### BOWLS

October is generally one of the busiest months in the Southern Tablelands bowling year and the one just gone was no exception.

Pennants have commenced — State championships are in progress and most clubs are well advanced with club championship games as well as open competition.

Our S.P.C. bowlers have had mixed results in all events.

Firstly club events: Norm Sullivan, not playing up to the standard we know he can produce, was eliminated from Moss Vale minor singles, handicap pairs and handicap singles.

Our Works Manager, partnered by Jack Mott, also lost in the handicap pairs—Harold Sheather was the destroyer—according to one onlooker, he didn't miss a trick.

Ron Jenkins also had a good win in a club singles game—defeating A. Pittolo.

Charlie Wheeler won a Marshall singles game, 31-30. Close call, Charlie!

The Moss Vale trophy competition has reached the semi-final stage and we have Jimmy Goode carry the S.P.C. banner in this event—when we look at some of the teams Jim has defeated he could go very close to winning the main prize. Good luck Jim!

Our Colliery almost had a complete team in the Bowral Triples—Jim Bell and Curly Ling, along with another Bowral member, Gordon Feeney, had a tussle before going down to a strong Moss Vale three by five shots.

The weather which has been all against bowls for several months has again turned sour and has permitted only two days for pennant matches—we have a host of S.P.C.

players involved, enough I'm sure to make quite a pennant team if S.P.C. had their own green.

State games played have reduced the singles to the last eight, and our remaining representatives in the singles are Fred Armstrong and Al Counsell. Fred defeated Moss Vale singles champion and Alwyn defeated Lamond of Robertson.

Bill Rutter and Curly Ling both went down fighting and will now be able to concentrate on the pairs and fours.

John Fuller was unfortunate in having to forfeit his singles—a fortnight in Yaralla Hospital caused this to happen, but he looks better for his break and should come good in the fours.

On Sunday, 22nd October, at Campbelltown, Johnny skipped a Southern Tablelands four to a good win against a strong Blue Mountains four.

I mentioned in last month's notes that Mrs. Galloway—Sandy's wife—had won at Bundanoon's mixed day. Well, the following week she won again at Bowral. She was all set to win at Mittagong and become a hat trick pot hunter, when Sandy called in the Dr. and saved Mittagong club a trophy.

Never mind, Sandy, I've heard you are a good nursemaid and Mrs. Galloway was only away from the game for a very short spell.

### CRICKET (1)

S.P.C.'s strong 1st grade team, have made a good start to the season, and are undefeated so far, following their win over Bundanoon and a draw with Mittagong. Not at full strength for the first match against Bundanoon, S.P.C. did not shape as well as was expected and were lucky to avoid an outright



defeat, however, they managed a first innings win by a margin of 15 runs. The only successful player in the match was Geoff Larsen, who opened the bowling and finished with the handy figures of 3 for 14 and 4 for 44.

Geoff made it a triple when he top scored in S.P.C.'s 1st innings with 29.

The match against Mittagong was at a very interesting stage when it was abandoned on the second Saturday, due to rain and fog.

S.P.C.'s star-studded bowling line-up, failed to break a solid partnership by Mittagong batsmen Don Wickham and Nev. Hearne, and Mittagong was able to knock up 169 runs. Lloyd Veal finally broke the partnership and paved the way for Harold "Rooster" McDonnell to spreadeagle the rest of the team for very few runs. Harold finished with the great figures of 6-27; however, the unlucky bowler of the match was Keith Larsen, who had the early batsmen in constant trouble, but, due to at least four dropped catches and sheer providence on behalf of the batsmen, he could only manage one wicket.

Keith soon made amends with the bat, when S.P.C. lost two quick wickets, he took hold of the bowling and scored a bright 21 n.o. Lloyd Veal started his innings very uncomfortably, then decided to take the initiative and attacked the bowling and hit 5 fours in his 25 runs. S.P.C. finished with 3-48 and the match was drawn because of the rain.

## **CRICKET (2)**

In the match now in progress, S.P.C. batsmen found form and knocked up a formidable 230 runs. Although the early batsmen appeared a little over-anxious, and were dismissed fairly cheaply, the whole of the team scored well to make up the total.

Opening batsmen Graham Beattie, finally got going and top scored with a very sound 60. Ken Mott, well below form, managed 58, while Peter Mott, batting at No. 8 played exceptionally well for an unconquered 21.

Moss Vale was then required to bat for half an hour, and the S.P.C. bowlers were keen to secure a wicket before stumps. Tom Waide took the edge off the idea when he cracked 3 fours off Keith Larsen's first over, although Tommy was given a life in this over in the form of a dropped catch. (Ask Keith who dropped it.)

Keith then settled down and bowled really well, missing the stumps by a whisker on several occasions. Geoff Larsen, at the other end, bowled consistently, but neither bowler could break the Moss Vale stand, and they

remained together till stumps, with the score at 17. With over 200 runs still to make, Moss Vale has the job ahead of them next week.

The Second Grade team have had mixed fortunes, and, as yet, haven't settled down to a set team. They were defeated outright by Moss Vale Central, then suffered a first innings loss to Burrawang, but in the present match, they seem to have the upper hand against Bowral.

Bowral batted first scoring 58, then S.P.C. passed this score with 78, and they should be able to hold off any threat of an outright defeat. Prominent in this team is Col Moore, who thrashed the bowling at Burrawang. John Coupe keeps picking up wickets, and Arthur Ray is very steady at opening bat. Jim Moore returned to the team for the Bowral match and took the bowling honours with four wickets.

## **BASKETBALL**

The summer competition in basketball is well under way and looks like being a great success.

In their first game S.P.C. A grade lost narrowly to a strong Bowral side. Peter Mott was "red hot" and scored 24 points of the S.P.C. total of 32. The A grade comp. looks like being a very even one and S.P.C. could well be in it at the finish.

Our B grade team also have a great chance, and have registered a win in their first game. Ken Noble, Bruce Frazer and Ken Conroy should be prominent in this team.

The S.P.C. women's team lost their first game, but they should develop into a handy team under the guidance of coach Ken Conroy.

Joan Thorpe is the captain of the Graduates Basketball Team, which also includes Mrs. Margaret Larsen. This team was responsible for the defeat of the S.P.C. team and a long string of twos appeared after Margaret's name.

I was very pleased to see Frank Mitchell with his camera at the basketball the other night, and anyone thinking of going along to watch the basketball can be assured of first class entertainment. Anyone interested in playing basketball, contact Ken Mott and you'll be very welcome to play; no experience necessary.

## **MARULAN**

The annual combined school children's sports held at Marulan South Oval at the end of last month were an outstanding success.

Schools from Marulan, Windellama, Bun-



gonia, and Marulan South competed in 53 events.

Marulan South competitors, Harry Richards and Denise Cosgrove, won the championship trophies.

The 20 stewards, representing parents and friends, were busy with the 200 children until about six o'clock.

Marulan South parents were hosts and entertained the visitors with picnic-like refreshments.

Marulan Oval is regarded by visiting cricketers as the best in the whole of the district.

There is keen competition among the second grade teams for their matches to be held at the oval.

To those who have not visited the area, it cannot be denied that the oval is picturesque with ideal gum tree shade for picnics, etc.

A team from the quarry recently played a

team from Blackwood Hodge (the Euclid truck people) in Sydney. The affair was more in the form of a picnic and the match ended in a draw.

When stumps were drawn, Kevin Howard was batting gamely with 57 on the board and Len Murphy had chalked up 27.

A return match is planned at a date to be fixed.

Marulan Cricketers will play John O'Neill Pty. Ltd. at Trumper Park, Sydney, on 26th November.

Night tennis has proved a popular pastime since the lights were installed at Marulan South.

Every evening about dusk, up to a dozen meet for a couple of hours' play.

It is the only night tennis venue in the district, apart from Goulburn, and plans are being made for a friendly competition.

## *Personal Pars — Heard on the Grapevine*

### **SYDNEY**

A new employee, Cliff Harris, commenced as a loader at Liverpool on 10th October. The grapevine has it you're a good worker Cliff—welcome to the Company.

\* \* \*

Mrs. Marie Farrell, who returned from annual leave on 30th October, greeted the office with the news that son Terry has become engaged to Miss Shirley Lambert. Those of us who know her find it hard to believe she has a son of marriageable age. Congratulations all round.

\* \* \*

Alan Bailey, one of the younger Sydneyites has just become the proud owner of a new (well almost new) 1950 model Ford Prefect. Any day now we expect to hear of the big grudge race between the Prefect and a similar vintage Hillman belonging to an older Sydneyite.

\* \* \*

Ron Marshall and Kevin Murray of Liverpool Store organised a pig shoot recently with two friends, Burg Richardson and Jack Murray; the one sour spot on the weekend being that the only thing bagged was wombat. Ron Marshall, I believe, had a hard time convincing the family they were eating pork. Burg also had trouble with his rifle—the bullets were dropping. A "bright spark" offered the advice that he hold the rifle upside down and sight from underneath. Never mind, boys, you may have more luck with rabbits.

I hear Miss Helga Atkinson is another to be bitten by the gambling bug. The story goes that she was trying to break the bookies at the Bong Bong Picnic Races at Bowral. We were sorry to hear that her nephew's mare, "Turkish Mystery," failed to win. Better luck next time!

### **MARULAN**

Many employees at the quarry adopted a new role at the P. and C. dance at Marulan South last month when they became members of a "mannequin" team modelling the "latest" in fashions from Paris.

Compere Madame Too Large (local schoolmaster, Alf Deamer) carried out the duties with the right amount of decorum and humour.

Jimmy Feltham wore a full length gown, a mink (?) cape and carried a cigarette holder several inches longer than one would expect to see in the most sophisticated cafes in Paris.

Tony Cosgrove and Stan Murphy modelled beach wear, but the highlight of the parade was Les Cooper, the local storekeeper, and who admits to 60 years, who wore the latest in bridal gowns.

The dance was one of the best since the opening of the new hall and the takings amounted to nearly £70.

\* \* \*

Apprentice Bill Poland arrived from Berima last month for a three months' stay to gain experience in the maintenance section.



New Marulan Postmaster, Ernie Moore, has quickly settled in and is often seen in action with the Marulan 2nd grade cricket team at Marulan South.

Maintenance Engineer Tony Cosgrove and family have had an enjoyable time at Cronulla where they spent their annual holidays.

Congratulations to Jim and Pam Allen on the birth of a son—their first.

Berrima engineer, Eugene Lieu, is spending a month at the Quarry while Tony Cosgrove is absent on leave. Among other duties, he investigated the water supply from Tallong with a view to increasing the flow during the summer months.

The annual ambulance dance at Marulan South, on 27th October, was an outstanding success. Organisers Jim Galloway and Alice Rowley reported that a profit of £50 resulted. One of the highlights of the evening was a Mock Wedding with appropriate trimmings such as a shotgun atmosphere.

The legendary apple is said to have caused some strife way back in the dim past. But almost as much repercussion occurred recently when Electrical Apprentice Noel Steffensen opened his mouth too wide and swallowed half an apple. It stuck half way down his throat until doctors at Goulburn Base Hospital removed it. Noel is now suspicious of apples.

Another apprentice, Eddie Cooper, has been laid up with the flu. His workmates claim that he caught a chill when his Van Dyke beard was forcibly removed during one dinner hour.

Electrical linesman Jack Archer has become known as the best dog lover in the area. Recently, he bought from a Marulan store three dog collars in the hope of catching some of the local "hounds."

## FISHING NOTES

During the past month no reports of good fishing have come to hand from local coastal resorts. Several old salts have given Nowra a try, but the only results are catfish. The general opinion is that the area has been netted out. This could be so, or an aggregate

of various contributing factors could be the trouble.

Good catches of flathead up to 2lb. have been made in the Merimbula area, and some good niggers have been bagged at South West Rocks. "The gutter" at the Rocks has yielded some good bream up to 4lb.

The Bega River, which should be coming on now, has shown no promise yet according to Gordon Woodman.

Peter Steindl saw a 10½lb. trout landed at Lake Eucumbene, which is a mighty good fish. He said the order of the day was beach fishing gear! Just imagine trout fishing with beach gear!!

Arthur Mathers from Moss Vale fished the maximum bag for three days, the average weight of the brown trout being 3½lb.

However, after hearing about the 10lb. bream that Cec. Warmer landed at Bateman's Bay recently, I'm taking off there myself to give them a go!

More news about these 10lb. bream next issue!

## MORE LAUGHS

Hear about the contractor working in a far off land?

It seems he met a cannibal who ate only cigarette users—said he likes a smoking man's taste.

Fond mother: "Why are you crying, Stanley."

Stanley: "P-P-Papa hit his finger with a hammer."

Mother: "Why, you needn't cry at a thing like that. Why didn't you laugh?"

Stanley: "I did."

A meek little man in a restaurant timidly touched the arm of a man putting on his coat.

"Excuse me, sir," he said, "but do you happen to be Mr. Daly of New Haven?"

"No," the man answered impatiently. "Why?"

"Well—Er—Ah," stammered the meek little man. "You see, I am, and that's his coat you're putting on."

Three-fourths of the earth's surface is water and only one-fourth is land. It's clear the good Lord intended a man should spend three times as much time fishing as he does plowing.



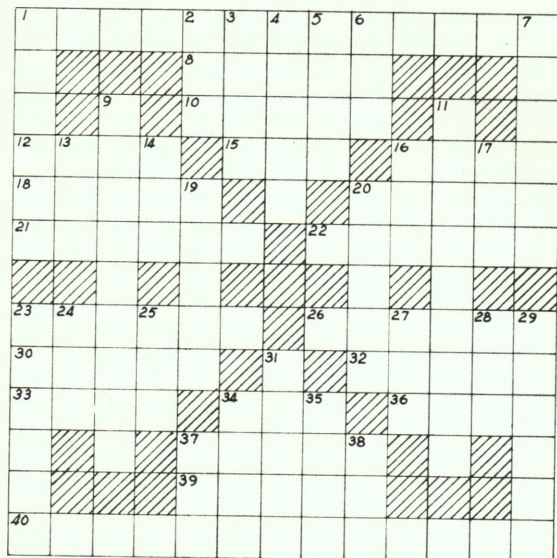
# - PUZZLE PAGE -

The result of Problem No. 32 is shown at right. Lucky winner this time was Miss Shaaron Counsell of Bundanoon.  
 Congratulations, Shaaron!

## PROBLEM 33

### Across:

1. Flower
8. Assembly
10. Measures
12. Tears
15. Notice
16. Urchin
18. Endeavours
20. Donkey
21. Group of legislators
22. Repair a ship
23. Shiny
26. Warmed
30. Captures
32. Convey
33. Imitated
34. Private information
36. Joint of the body
37. Musical pieces
39. Boredom
40. Manager



C	O	T	S	W	O	L	D	H	I	L	L	S
O				O	A	T		R	U	N		H
U				D	I	T	T	I	E	S		A
N	S	W		L	E	A	P	S		P	E	R
T	E	A	R		R	E	S		G	A	S	P
E	A	S	E	S		L		S	A	L	E	S
R		T	E	A	K		G	A	L	A		H
W	E	E	D	Y		D		C	A	C	A	O
E	A	R	S		B	U	S		H	E	R	O
I	T	S		B	R	A	C	E		S	E	T
G				T	A	I	L	O	R	S		E
H				A	N	N		R	O	O		R
T	R	A	N	S	G	R	E	S	S	O	R	S

### Down:

1. Diagrams
2. Prominent uncle
3. Lengthy periods
4. Reported
5. What is a "baobab"?
6. Possesses
7. Famous English poet
9. Sail
11. Apprehending
13. Anger
14. Ocean
16. Ridge of metal
17. French land measure
19. Film actors
20. Uncovered
23. Verse
24. Slight touch
25. Colour
27. Old vessel
28. Evening (Poet.)
29. Extending further
31. Ovens
34. Masculine name (It.)
35. Expression
37. Japanese coin
38. Title



PS

# SPC

Vol. 3, No. 12

DECEMBER, 1961

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**MONTHLY NEWSLETTER**

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SOUTHERN PORTLAND CEMENT LTD.

MARULAN — BERRIMA — MEDWAY — SYDNEY



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## **GENERAL MANAGER'S NOTES**

The Christmas Season is with us once again seeming only a very short interval since last year's. As we get older we doubtless have more to go during the years which would make the Christmas seasons seem closer; or is it that we just take longer to do our daily chores?

At this stage it would be appropriate to look back on our performance during 1961.

In Safety, Berrima had only one less accident than in 1960. However, the severity rate was halved. Marulan's frequency rate was well down on last year's, but there is still a long way to go at both centres before it can be said that we are safety conscious.

The Colliery will have a record year mainly due to the high productivity per miner and employee. Congratulations to the miners on their fine effort.

Marulan Limestone Quarry will also have a record year mainly due to the ever increasing demand for metallurgical limestone by the Port Kembla Steelworks and, to a lesser extent, the Newcastle Steelworks. The total amount of limestone and mullock handled at the quarry will be in excess of 2,000,000 tons, over 400,000 tons higher than 1960 which was a record year. Again congratulations are in order for this outstanding achievement.

For Berrima the picture is not so bright as 1961 sales were approximately 11% below those of last year which, as you all know, was a record year. The major reason for the lower sales was the lull in construction in the Snowy Mountains Area as major contracts were terminated. With new contracts now let we expect business in that area to pick up soon.

I will take this opportunity to thank all members of the staff and employees for their industry and co-operation during the year and trust that 1962 will be an even better year.

The Board of Directors join with me in extending to you and your families Christmas Greetings and all good wishes for the coming New Year.

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# S.P.C. MONTHLY NEWSLETTER

*Distributed Monthly by:*

**SOUTHERN PORTLAND  
CEMENT LTD.  
BERRIMA, N.S.W.**

● **EDITOR**

*M. D. Hauber*

● **PRINTERS**

**Grant & Walker Pty. Ltd.**  
7a Norton Street, Leichhardt

● **ALL CORRESPONDENCE  
AND ENQUIRIES TO:-**

*The Editor  
S.P.C. Monthly Newsletter,  
PBS 4, Moss Vale*

● **COPY DEADLINE**

*1st of the Month*

Vol 3 No. 12

DECEMBER, 1961

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SYDNEY OFFICE	MISS J. LILLYMAN

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## - Contributions -

GARDENING NOTES	Mrs. C. CROWE Berrima
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# — EDITORIAL —

Dear Readers,

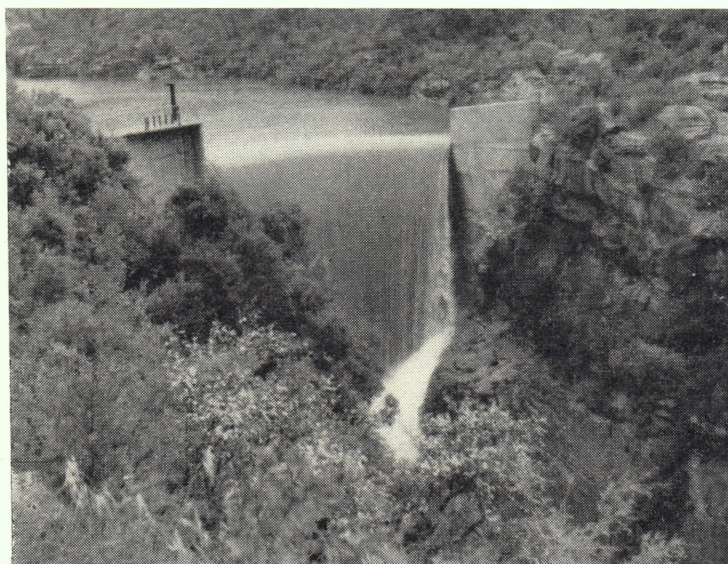
November turned out to be a disastrous month for many people throughout N.S.W. The torrential rains brought heavy flooding in many areas and of course the Berrima District being in the heart of the catchment area contributed largely to these floods.

I guess many people prefer to weather the storm at home under cover and only venture outside for special needs.

To get some idea of what goes on during

heavy rains I ventured out during the height of the downpour in company with Alan Parker who consented to act as driver with his land-rover, a necessity for negotiating the badly washed out and water covered roads.

Our first visit was to the Bundanoon Creek Dam and surprisingly enough the water level not as high as we had expected in view of the amount of rain which had fallen. However, there was a good 3ft. of water rushing over the spillway creating quite a spectacular sight below.



*Bundanoon Creek Dam.*



Next we visited Fitzroy Falls and here we experienced the effect we were looking for. The roar of the waters tumbling over the falls was deafening and the spray was rising above the surrounding hills. To capture the wild scene we negotiated the steps leading down to the base of the falls. Water was cascading from

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What some people will do for a photo — being drenched by the spray whilst getting this and the “shot” of Fitzroy Falls on the adjacent page.

XX



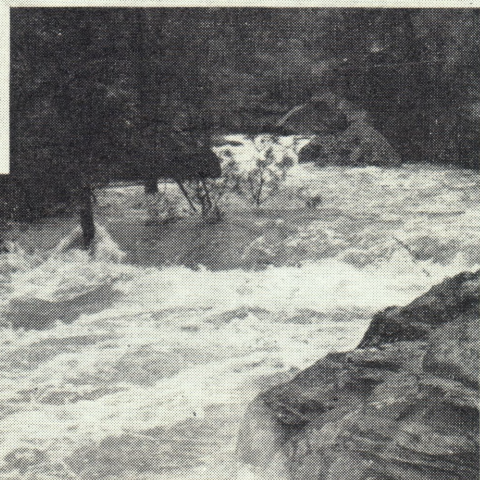
every nook and crevice during our progress down this path and eventually we decided that retreat was preferable to being soaked. However, we managed to get a couple of shots of

the foaming abyss at the base of the falls, where tons of water were crashing on the rocks.

We then returned to Medway to have a look

*Fitzroy Falls.*

*Recovery of the pump. (This photo was taken 3 days after the height of the floods.)*



*The Wingecarribee River at Medway.*

at the Wingecarribee River rushing under the bridge at the entrance to the coal mine. Here we witnessed the accumulated force of water condensed from the catchment areas around Robertson, Moss Vale, etc. In the gorge the water had risen to unparalleled height, so

much so, that the new pump, which had recently been installed on a ramp sited above previous record levels, was in fact covered by some four feet of water. This meant that the river level had risen some fifteen feet at this point.



Well, enough about rain and water and something about a more pleasant period—Xmas. The annual Xmas picnic takes place on Saturday next and promises to be a gala day. In the process of co-ordinating some of the events that will take place I had the opportunity of interviewing Santa Claus who will honour us with his presence during the day. He assured me that his itinerary would enable him to deal with our Xmas Tree during his very festive season.



*Santa.*

And so from Berrima we send greetings to all our readers and may their Xmas be a happy one.

Until next issue,

Yours,

THE EDITOR.

## LET'S LAUGH

Just outside of town one night, a speeding car suddenly jumped the road, leaped over a retaining wall and rolled down a steep cliff. A highway patrolman, chasing the speeder, pulled up at the scene and shouted over the cliff, "What the devil do you think you're doing? You drunk or something?"

"Certainly I'm drunk," came the voice from below. "Whaddya think I was — a stunt driver?"

It is rumoured that a new simplified income tax form for next year contains just four lines:

1. What was your income last year?
2. What were your expenses?
3. How much have you left?
4. Send it in.

A storekeeper standing in front of his store the other day saw a car rolling slowly down the street with nobody in the driver's seat. Running to the car he jumped in and hastily pulled on the emergency brake.

As he stepped back, feeling a little proud, a man with a bloody nose walked up to him. "Well," said the storekeeper, "I sure stopped that car in a hurry."

"Yea, I know," said the other fellow, "I was pushing it."

Young women are the kind of problem men like to wrestle with.

Short skirts bring out the gallantry in a man. He'll always let a girl wearing one get on a bus first.

An antique dealer who died some while ago left over 100 clocks. It is said that the executors took a devil of a time winding up the estate.

If your wife wants to drive, don't stand in her way.

Definition of a minor operation—one performed on somebody else.

An Irishman . . .

One who doesn't know what he wants and won't be happy until he gets it.

A check made by Watch Committee of a local council at their public baths revealed some extraordinary and satisfactory figures.



# S.P.C. Civil Defence

Following on last month's instalment on radioactive fall-out and the protective measures necessary to remove or reduce the danger which it creates, I would like this month to consider the problem of control of exposure to radiation in a contaminated area, the instruments available for the detection and measuring of radioactivity, protection and decontamination.

The section within any Civil Defence Organisation which is responsible for this problem is known as the Monitoring and Decontamination Section.

## Introduction:

It should be emphasised that all radiation, immediate or residual, is dangerous, and the knowledge of its presence and intensity is essential if the lives and health of persons living in the area affected, or of those who may be required to work in the area, are to be safeguarded.

## CONTROL OF RADIATION EXPOSURE IN CONTAMINATED AREAS:

The control of exposure to radiation is based on the following six factors:—

The detection and measurement of radioactivity.

The avoidance of heavily contaminated areas.

Checking on the personal dose accumulated.

Suitable clothing and equipment for those who have to be exposed to radioactive dust.

Personal cleansing.

Decontamination.

## DETECTION AND MEASUREMENT OF RADIOACTIVITY:

Many instruments have been designed to detect the presence of radioactivity and to measure its intensity. The three radiac instruments specially designed for use in Civil Defence are:—

(a) The individual dosimeter.

(b) The radiac survey meter.

(c) The contamination meter.

### (a) The individual dosimeter:

This measures the total dose of radiation received accumulated over a given period of time at the place where the instrument is being used. It is a small instrument, easily carried on the person, similar in shape and

size to that of a fountain pen. In addition to measuring the total dose of radiation which its user accumulates whilst operating in a contaminated area, it will also measure the immediate gamma radiation if the person happens to be within range at the time of the explosion. The instrument has various graduations of scale, and, for training purposes, the scale is so designed as to register when special radioactive sources are used. The dosimeter has to be charged before use, in order to bring the pointer to the zero position and a special charging unit has been provided. A special plastic sheath prevents the contamination of the instrument from radioactive dust.

### (b) The radiac survey meter:

This instrument is intended for surveying contaminated areas, and it measures the rate, i.e., r/hr. at which radiation is being received at a given time. When in use it will be protected from contamination by radioactive dust by means of a thin transparent plastic bag covering the whole instrument in its carrying case. This plastic bag can be replaced if contaminated, and, similarly, the covering on the individual dosimeter. In the absence of a radiac survey meter the individual dosimeter will also give the information needed, provided the increase in the dose over a given time, e.g. 1 hour, is noted.

### (c) The Contamination meter:

This instrument is used for detecting the presence of radioactive contamination on the skin, clothing or equipment. The risk from such contamination is the beta hazard if it is allowed to remain on the skin or on the clothing for prolonged time, with, of course, the danger that it may later be taken accidentally into the body through the mouth, nose, wounds or abrasions.

This instrument is extremely sensitive to and will measure very small gamma ray doses, and thus it cannot be used in a contaminated area unless it is completely shielded from the general "background" radiation from the area as a whole, since this will mask the small effect from the contamination on any one individual being checked. Such shielding is not easy to achieve, and the instrument must, as far as possible, be used away from the contaminated area. The sensitive detecting probe (known as a Geiger counter) is separate from the main instrument, but connected to it by



cable. By running the Geiger counter over a contaminated person, the instrument will record the presence and extent of radioactivity. This Geiger counter can be fitted with a transparent plastic covering, as for the radiac survey meter, to protect it from chance contamination being transferred from the person or material being checked, because the presence of such contamination would result in false readings.

### **AVOIDANCE OF HEAVILY CONTAMINATED AREAS:**

No one should enter or remain in a heavily contaminated area unless compelled by duty. Where it becomes necessary, a constant check should be made on the degree of contamination and the rate at which radiation is being received. Where it is found necessary, give visible warning of the existence of a high radioactive contamination; special warning notices will be posted.

### **CHECKING ON THE PERSONAL DOSE ACCUMULATED:**

For those whose duty takes them into a contaminated area a most important rule is that a continuous check must be taken of the accumulated dose as measured by the individual dosimeter to see that it does not exceed the dose specified for that particular operation, or that particular spell of duty.

It must be emphasised again that all radiation is potentially harmful to the body, so, as far as practicable, exposure should be restricted to the minimum. It is known that only a negligible number of people will be incapacitated by a single exposure of 25 r over a few hours. In fact, a dose of about 60 r could be taken if the intake were spread evenly over about 3 days. It will be the duty of those in control to assess the advantage of the work to be carried out against the radiation risk, and to issue instructions accordingly. The chief object will be to ensure, as far as practicable, that exposure is under careful control, and that if exceptional risks have to be taken, they will not be ordered without a prior assessment of the dangers involved.

### **SUITABLE CLOTHING AND EQUIPMENT:**

It has already been stated that no practical form of clothing can in any way protect the wearer against gamma rays, whether in the form of immediate radiation at the time of the explosion or from residual radiation. A considerable degree of protection can, however, be provided against radioactive dust by ordin-

ary clothing, the degree of protection depending on the thickness of the material and on its ability to prevent dust from reaching the skin. In dusty conditions a simple mask worn over the nose and mouth will give all the protection that is required against breathing in radioactive dust, and only in very exceptional circumstances would it be necessary to use any form of respirator. For those who have to pass through or work in a heavily contaminated area, the wearing of well closed denim overalls, gum boots or strong leather boots, thick gloves and sleeves closed at the cuffs, a scarf around the neck to prevent the entry of dust, and a closely fitting helmet or hat, such as a beret, will assist considerably in keeping the dust out of the hair since the head is more difficult to cleanse than the rest of the body.

### **PERSONAL CLEANSING:**

For the removal of contaminated dust on the clothing a vacuum cleaner, if available, would be excellent. A check should be made after this cleansing to ensure that no contamination remains. Outer garments should be removed as soon as possible and care taken not to shake them unnecessarily. Spraying lightly with water would keep down the dust during removal of the garments. The garments should be kept apart to await either washing or disposal, if they happen to be very badly contaminated. If undressing has to be done at home, a rough "clean/dirty line" should be established to avoid spreading contamination. Where possible, personal washing should immediately follow undressing. This washing should be very thorough, liberal use being made of soap and scrubbing brushes, paying particular attention to the nails and hair. If instruments are available after personal washing, a final check to establish freedom of contamination is advisable. If these precautions are taken there is little to worry about.

### **DECONTAMINATION:**

It is important to remember that radioactivity cannot be destroyed. The dust or other material to which it is attached can either be removed and taken to a place where it can do no harm, or it can be left to decay in its own good time. These two principles underlie all the methods of decontamination which are available in Civil Defence.

Most contaminated clothing can be rendered safe by normal washing methods, using plenty of soap powders or other detergents. Clothing which has been excessively contaminated should be disposed of, preferably by burying.



Vehicles, tools, etc., scrubbed with warm water and using detergents, will remove most of the contamination, unless it is very firmly held in rough porous surfaces.

In streets and public places hosing down can make an effective contribution to the decontamination of such places, quite apart from the natural decay of radioactivity. If hosing is carried out with powerful jets, as for example from fire pumps, the contamination can be reduced by factors of between 5 and 10, according to circumstances. If the water thus used can be removed by the ordinary drainage system, it is not likely to constitute a hazard elsewhere.

#### **DECONTAMINATION CENTRES:**

For Civil Defence workers called upon to work in contaminated areas, it will be necessary to set up Decontamination Centres. At these centres workers, at the conclusion of their tour of duty, will be checked for the presence of radioactive dust on their clothing, etc. If its presence is detected by means of a contamination meter, it will be necessary to

remove the danger, either by using a vacuum cleaner, lightly spraying with water, or removal of clothing. Spare supplies of clothing will be held at this centre and full ablution facilities will be provided.

In addition, it will be necessary to ensure that casualties from the contaminated area are checked before treatment and admission to a hospital.

Similarly, persons evacuated from a contaminated area will at some stage have to be checked. The object of this treatment is to save the person from radiation danger, and also to avoid the spread of contamination to people not affected.

#### **CONCLUSION:**

Although instruments are available for the detection and measurement of radioactivity, the problem of control of exposure to radiation danger is an extremely complex one. In view of the possible widespread fall-out area, well trained monitoring personnel on a large scale will be necessary.

## *Christmas, the Sweetest Song Time*

By B. Creswick

Christmas time is the year's sweetest song time. Whatever else may change at this season, that remains as true as ever. Nowadays, it is thought fitting that we should enter upon the week before Christmas with practically all the material attributes of the festival displayed before us ready.

The puddings and crackers, the Christmas numbers and greeting cards, and the thousand and one articles which well-meaning merchants assure us are eminently fitting as presents, were in the shop windows holly-decked almost as soon as the latest sale bargains were cleared.

In some parts of the land we have had the early flushes of Christmas. It would seem, therefore, that little remains for us to do in the next few days—if we have taken expert advice and completed our shopping early—except to prepare the household to wait for Monday in more or less blissful anticipation.

One wonders, though, how the waiting time would escape bringing a certain staleness if Christmas had not remained essentially a spiritual feast. When old Scrooge thought he was denouncing the entire occasion, he, poor ignorant fellow, was denouncing the mere husk of it, and those who observe Christmas as superficially as he believed them to do in Dickens' time may well give the impression that the Scrooge standpoint was thoroughly justified.

Happily there are one or two features in association with the day itself that will prove it once again to be a deeper and nobler celebration than turkey and plum pudding—if any—are able to indicate.

They are features that no shop window can display nor, in regard to a vital instance among them, must we allow ourselves to be sidetracked by the small groups who pester us with alleged carols in the dark nights immediately before Christmas.

For genuine carol singing is one of the loveliest manifestations of the Christmas spirit, and it is in quiet households, where the holy time is joyfully observed, that we may still hear the simple and time-honoured words about the Christmas sung most worthily to the homely tunes of long ago.

"Let us by the fire ever higher sing until the night expire," enjoined Longfellow. To do this has always been the custom among the people who set little store by the general junketings.

And the very utterance of the words that are sung makes an exaggerated materialistic celebration of Christmas an incongruity. They were written in olden days of simple diction and unquestioning faith, but, naive and without self-consciousness though they are, we may still be able to feel their influence on our fellow-celebrants this Christmas if they mean something to ourselves.



# PERSONALITY PARADE

*"This One Will Sink the Boat."*

No. 3 JOHN MEDIAND (Elect. Foreman). Started with the Company 1954 as electrical fitter. Served on H.M.A.S. "Australia" during 1939-45 War as electrical artificer. John's main hobby is fishing and to achieve maximum indulgence he built himself a small boat. John is married, with three children and resides at Mittagong.



*"I'll Belt the Cover Off This One."*

No. 4 ERNIE RADNIDGE (Machine Shop Foreman). Started with the Company 1937 as a fitter and turner. Ern has four children, and resides at Mittagong and devotes most of his spare time to golf. He is a Committeeman at the Moss Vale Golf Club.



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## Remember! Safety for all — all for Safety

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# N.R.M.A. MOTORING NEWS

The torrential Sydney downpours, which resulted in some of the heaviest flooding recorded in the metropolis, saw N.R.M.A. patrols handle the greatest number of calls for emergency assistance in the Association's history.

The combination of wind and rain made conditions very difficult and the resources of the Association's Patrol Headquarters were stretched to the limit in handling over 13,000 calls in four days.

Conditions in some suburban areas were unprecedented. In some cases patrols were unable to reach stranded vehicles in near-city suburbs because the vehicles were cut off by flooded streets. More than one call was received from members telephoning as they saw their vehicles being slowly submerged by rising floodwaters.

N.R.M.A. General Secretary, Mr. H. E. Richards, said that the road patrol staff had worked with very little rest throughout the whole period.

"Never before have we handled so many calls for emergency road service," said Mr. Richards. "The patrols have done an outstanding job and have earned high commendation for their efforts. They carried on under the most difficult and trying conditions we can remember for a long time. At some periods service was delayed for several hours, but most members realised that the conditions were quite exceptional and were patient."

"Our switchboard was jammed also with calls from members requiring information on road conditions. A special staff was kept on duty over the whole period to handle these calls and the latest reports were made available to press and radio for public information."

## Ignition Failures in Storms:

N.R.M.A. Chief Engineer, Mr. C. H. Napthali, commenting on the heavy number of vehicles immobilised in the recent storms, mainly as the result of wet ignition, said that wet ignition was primarily caused by lack of maintenance.

"A car properly maintained—that is wiring renewed as it becomes defective, old or perished and distributor cap and plugs properly cleaned at frequent intervals, will not get wet ignition," said Mr. Napthali. "A valuable precaution is to waterproof the ignition system with one of the silicone preparations available for the purpose."

"Obviously a car that is left out in the street all night is at a disadvantage compared

with one in a garage, but a little effort will prevent trouble. A most effective way is to place a small waterproof sheet over the engine under the bonnet. An immediate danger here is failure to remove the sheet before starting up the engine. To assist the memory, place the waterproof in such a manner that a piece of it is left sticking out under some part of the bonnet where you cannot help but notice it.

"The driver who is unfortunate enough to drive into a flooded street, thereby showering the motor with water and causing it to stop, should do nothing about it for five minutes, least of all to try to use the starter. After five minutes, the heat of the engine will possibly have dried out all the water and the engine will probably start normally."

"Should you see the water before you drive into it, proceed at low speed."

## Gardening Notes

By Mrs. C. Crowe



### DECEMBER

**FLOWERS**—SOW: Amaranthus, Asters, Balsam, Celosia, Coreopsis, Stock, Pansy, Primula, Wallflower.

**PLANT:** Aster, Carnation, African Marigold, Petunia, Phlox, Verbenas, Zinnias, Gladioli for Autumn flowering.

**VEGETABLES** — SOW: Beetroot, Dwarf French Beans, Butter Beans, Runner Beans, Carrot, Parsnip, Spinach, Sweet Corn, Swede Turnip, White Turnip, Peas, Broccoli, Brussels Sprouts, Cauliflower, Cabbage, Celery, Kohlrabi, Cucumber, Melons, Squash, Vegetable Marrow, Cress, Mustard, Onion, Radish.

**PLANT:** Lettuce, Beetroot, Tomato, Spinach.

During the past month we have had far too much rain, resulting in an excessive growth of foliage and the development of moulds and mildews on all varieties of plants, shrubs and trees.

Unfortunately, the wet Winter did not allow the usual fungus sprays to be applied, or if applied they were immediately washed off, so give plants susceptible to mildew a spraying with Bordeaux Powder at **Summer strength now**, and again in a fortnight's time. This spray is applied when the weather is dry and preferably early in the morning or in the late afternoon, when the sun is not too hot.

(Continued on Page 15)



# PLANT JOTTINGS

## MARULAN

**New Store Soon:** The new store at Marulan South is almost finished and the proprietor, Mr. Les Cooper, expects to move in by Christmas.

The old galvanised tin shed, which has been used for a store for more than 30 years, and has served hundreds of workmen and their families, will be demolished.

With it will fold into oblivion a chapter of history of Marulan South. The store, literally, saw the development of the quarry from a primitive hole where stone was quarried (present employees wonder how the early men

did it) to the highly organised and modern plant it is today.

\* \* \*

Development of new areas at the quarry took shape this month when work commenced on an access road linking the present south quarry area to the site of new workings in the old Winga Quarry area. A formidable gulley had to be negotiated and the picture below shows the progress being made across the gulley. In the upper background can be seen the present extremities of the south quarry and discussing the problem in the foreground is Quarry Superintendent, Mr. K. Howard (right), and Mr. Cec. Cluney.



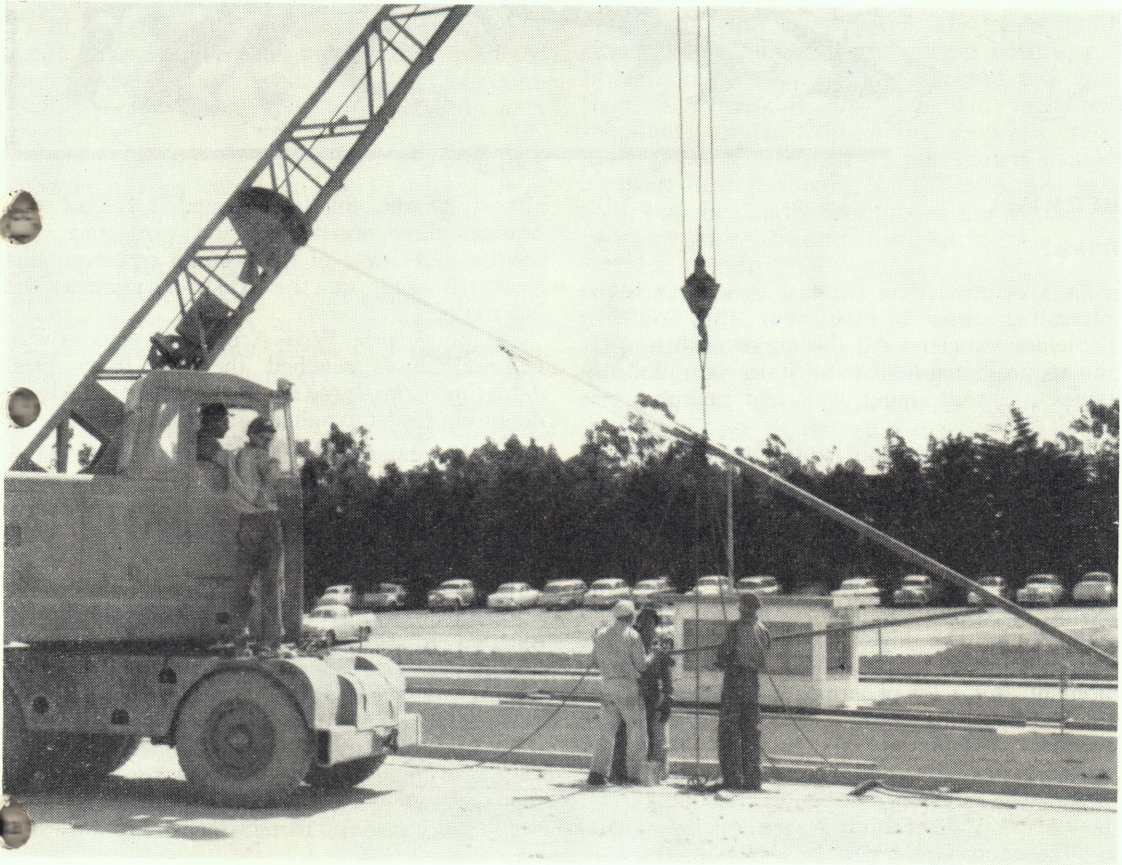


## BERRIMA

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.

The picture below shows the erection of the completed flagpole.



## MORE LAUGHS

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."

\* \* \*

The Sunday School teacher was trying to impress the class that God is everywhere.

"Where do you think God is this morning?" she asked Willie.

"In our bathroom," was the startling reply.

"Whatever makes you think that?" asked the teacher.

"Cause just before I left home I heard Pa yell, 'My Lord! How long are you going to be in there?'"





## BERRIMA

### Bowls:

As I mentioned in the last issue, this is the interesting time of the year for Southern Tableland bowlers. All the major club tournaments are being finalised—State championship games are well under way and pennants are in full swing.

Just as well we can apply the old saying "If bowls interferes with work, give up work" 'cos that is just what is happening quite often—the only break we get is when it rains at the weekends.

District Pennants have advanced to the second round. In the No. 1 Pennants, Camden seem to be the logical winners. The No. 2 Pennants have Bundanoon on top at the moment, but a lot of games have been washed out—so anything could happen in this section. The No. 4 Pennants are in much the same position.

The biggest open competition in our district the "Moss Vale Trophy" was concluded during the month and one of our workers, Jim Dray, was in the winning four—Congrats, Jim! Jim Goode and Tom Penfold maintained their good form and received the prize for 3rd place.

I think we might give Jack Mott from our machine shop a pat on the back at this stage—'cos Jack organised this well run tournament.

The running of club championships throughout the district has seen many S.P.C. bowlers showing up to advantage. John D'Adam turned on good bowls to defeat Allan Fraser in the club handicap singles—only to go down in the minor singles to Syd Hurst from our Colliery.

Jack Mott was in a very friendly mood when he played Tom Penfold—and Tom allowed him to win 31-30?

The State singles and pairs have advanced

almost to the final stage and some of our bowlers have registered good wins and with a little luck some of them could represent this Southern end of the District against the Northern.

In the singles, Fred Armstrong and Alwyn Counsell have reached the last four—Fred defeating Erle Byrne of Moss Vale and Alwyn defeating Os Cunyngham of Mittagong.

In the pairs, also at the last four stage, we have two reps., Jim Dray and A. Counsell. Jim Dray and Allan Fraser are paired together and they accounted for another S.P.C. pair, Bill Rutter and Fred Armstrong.

Bowlers will now understand why Norm Sullivan lost his recent club games. Norm was married to Eileen Rowe on Saturday, 18th November. Our congrats to you both! Here's hoping we see you doing the rounds of the various clubs on the mixed bowls days.

In the last magazine I mentioned that sickness prevented Mrs. Galloway from completing the hat trick in prize winning. Well it didn't—because next time our Mrs. Sandy was runner-up.

We are sorry to hear that Mrs. Galloway is in hospital for an operation and sincerely hope she will be back on the greens again—double quick smart!

### Cricket:

Cricket throughout the district has had a very rough time due to the freakish wet weather this month. S.P.C. 1st Grade in particular have been very unlucky in their matches to date, when rain on the second Saturday has robbed them of almost certain victories.

Despite these setbacks, S.P.C. is placed second on the ladder, and the batsmen are showing form that indicates S.P.C. will be the hardest team to beat in this season's competition.



In the unfinished match against Bowral, S.P.C. completed another onslaught on the district bowlers when they amassed 9 for 290 on a dead turf wicket at Bowral. Geoff Larsen couldn't do wrong and batted most of the afternoon to score n.o. 143. Geoff's innings was mainly a safe and patient one, but featured quite a few hard hit fours and long sixes.

Keith Larsen received a crack on the skull from a flyer and had to suspend operations for a while. Ken Mott replaced Keith and scored 37 in a partnership of 88 with Geoff Larsen. Keith then resumed his innings and averaged his "cracked skull" with a sizzling 54, completing a 100 partnership with Geoff in very short time.

S.P.C. players put on a very disappointing showing against the Moss Vale Central team in their latest encounter. Central were sent in to bat and were dismissed for 95 runs.

S.P.C. went in and were soon 7 for 107. The batsmen were taking the bowling and the fielding far too easy and four wickets were lost through run-outs. Those that survived the melee between the wickets, threw everything straight bats at the bowling, in a vain effort to pulverise the very ordinary bowling.

The S.P.C. Second Grade team have scored two first innings victories in their latest matches, and they will be a definite premier-ship chance if they can sharpen their batting

a little. Their bowling seems to be capably handled by Jim Moore, John Coupe and Pat Taylor, and some really good averages are held by this trio.

### Basketball:

S.P.C. A grade basketballers have not registered a win as yet, and as the competition nears its close, they are strong favourites for the "wooden" spoon. Despite this unfortunate record, they are playing fast and entertaining basketball, and have given all teams hard, close games. The B grade team is having a little more success and have scored two wins from 5 games. If they can win their two remaining games they should secure a semi-final position. In their recent match against a strong Marulan team, S.P.C. performed very well, but the deadly shooting of the Kochenow brothers gave Marulan the match by a comfortable margin.

Bruce Fraser and Trevor Mott combined well for S.P.C. in attack, while new starter, Richard Dickson, was great in defence and showed a rapid improvement in his game.

The S.P.C. girls' team could well join the A grade men's, as the "Wooden Spooners", as they are still to win a game. However, they are rapidly improving their game and should give a good account of themselves in the Winter competition.



*Some of our local players in action.*





# WELFARE NEWS

**Official Programme for S.P.C. Entertainment Group Annual Picnic, to be held at Exeter Park, 16th December, 1961, at 12 noon.**

## Children's Events:

### FLAT

100 Yards HANDICAP 13-15 Boys
100 Yards HANDICAP 13-15 Girls
75 Yards HANDICAP 11-12 Boys
75 Yards HANDICAP 11-12 Girls
50 Yards HANDICAP 8 -10 Boys
50 Yards HANDICAP 8 -10 Girls
50 Yards HANDICAP 5 - 7 Boys
50 Yards HANDICAP 5 - 7 Girls
25 Yards HANDICAP 4 and Under, Boys and Girls

## GENERAL MANAGER'S TROPHY:

Competed for annually. Machine Shop Holder, 1959-1960.

FLAT RACE—40 Yards—40 Years and Over  
FLAT RACE—50 Yards—26 to 39 Years  
FLAT RACE—85 Yards—25 Years & Under  
RELAY RACE—85 Yards—4 Men Team  
TUG-OF-WAR —4 Men Team

Points allotted as under:—

1st Place	=	3 Points
2nd Place	=	2 Points
3rd Place	=	1 Point

## NOVELTY EVENTS:

Relay .....	8 -10 Girls
Relay .....	8 -10 Boys
Relay .....	11-12 Girls
Relay .....	11-12 Boys
Relay .....	13-15 Girls
Relay .....	13-15 Boys
WHEELBARROW .....	8 -10 Boys
WHEELBARROW .....	11-12 Boys
WHEELBARROW .....	13-15 Boys
THREE-LEGGED .....	8 -10 Girls
THREE-LEGGED .....	8 -10 Boys
THREE-LEGGED .....	11-12 Girls
THREE-LEGGED .....	11-12 Boys
THREE-LEGGED .....	13-15 Girls
THREE-LEGGED .....	13-15 Boys

## LADIES' EVENTS:

100 Yards HANDICAP	Single
75 Yards HANDICAP	Married
RELAY .....	Single
RELAY .....	Married
THREE-LEGGED .....	Single
THREE-LEGGED .....	Married
Throwing Rolling Pin .....	Single
Throwing Rolling Pin .....	Married

## TUG-OF-WAR

(Teams post entries). All comers—MEN  
Gents Thread Needle—Mixed  
Ladies Run 50 Yards—Husband and Wife

## BUS TIMETABLE:

Bus Leaves		Bus Leaves	
Mittagong	11.00 a.m.	Mittagong	11.30 a.m.
Welby	11.15 a.m.	Bowral	11.45 a.m.
Old Berrima	11.40 a.m.	Moss Vale	12.00
Moss Vale	12.00		Noon
ARRIVE		ARRIVE	
Exeter	12.30 p.m.	Exeter	12.30 p.m.

For visitors wishing to have lunch on arrival, hot water will be provided.

Announcements will be made over the Public Address System of times for Xmas Tr Afternoon Tea and Ice Cream issues.

Prizes will not be issued unless official cards are presented.

## FISHING NOTES

When I set out for Batehaven recently, I did not anticipate bagging as many as I did! And that's not a fish story!

At the moment the water there is as murky as anywhere else, but during the first week of the holidays I landed two flathead at 2lb. and one at 5½lb. These were caught just off the "Clyde View" Caravan Park beach. Needless to say, when I hauled the big flattie in, there were numerous onlookers, and before long all hands were trying their luck beside me. However, no more fish were caught that evening. I made the big catch in about 10" of water on a receding tide just on dusk.

Outside fishermen were returning with very poor catches. A typical catch by four men in two lauches would be, say two dozen flathead up to 3lb. (about 20% of them under the legal size of 14"), 3 or 4 large rock leather-jacket and 8 or 10 rock fish. Some boats returned with nothing.

Then came the rain!

This looked like the end of the fishing! It was too, but not the end of the fish. The flood came down the Clyde River and trapped many fish in the bay. They didn't like the fresh water, and soon succumbed and were washed up on the beach with the flotsam and jetsam, which incidentally varied from garden stakes to near telegraph poles!

We collected the washed-up fish out of the seaweed at the water's edge, and after a while, had to return to the camp for a chaff bag. Finally the bag contained whiting, all



about the 2lb. mark (as a matter of fact I've never caught them as big), flathead 2 to 3lb., bream 2 to 4lb. and numerous garfish, which were hardly worth keeping. This would be the first time I've nearly knocked up cleaning fish! Apart from what was consumed out of the frig. from day to day, 20lb. of fillets were deep frozen to take home. (Hope we don't have to many visitors for a while!)

Just before returning home an outside fisherman infomed me that it was muddy eight miles out to sea! I should say it would be some time before the fresh clears, but when it does fishing should improve along the near south coast.

The area was quite up to expectations, and I would recommend it to anyone on holidays. At this particular park, power is laid on, electric system, hot and cold showers, milkman calls and ice in Bateman's Bay. The ground is mown buffalo grass on a sandy base and is as sound as a bell. Boats for hire on the premises and cabins, too.

Jim Hurley, an old caravaneer to this park, busied himself burning all the driftwood on the beach. No fishing available, I gave him a hand, and he reckons I've qualified for a place in the hereafter! We burnt six piles of driftwood about 10ft. high. I nearly forgot, too! We also had three good feeds of oysters from the nearby rocks.

I would recommend this beachcombing! But one has to keep the old eyes open, a fortescue was picked up with the fish. My word they are a nasty piece of work; can give one a paralyzing sting, too.

Well folks, get those rods polished up, providing the weather takes up they should be on!

## GARDENING NOTES

(Continued from Page 9)

Try to get all weeds out of your garden beds early this month to prevent them seeding and keep the soil loosened to prevent more new ones growing.

Make successional sowings of beans and lettuce and pick all peas and beans off the plants as soon as they are ready to use.

Keep baiting to catch the slugs and snails, and if going away for holidays leave some baits for these fellows or you may find no seedlings or vegetables left when you return.

Now at the end of another year we can look back over the gardening we have accomplished and look forward to better and brighter gardening weather during the next twelve months. A Bright and Happy Christmas, everybody! !

## MORE LAUGHS

On one of those pitch black, pouring wet nights (with which you must have become quite familiar recently) a couple drove up to a country pub miles from anywhere.

Said the young woman to the landlord, "Excuse me, have you by any chance a large black dog with a white collar?"

"No Mum," answered the landlord.

"Is there, perhaps, somebody else in the village who owns such a dog?"

"No village here, Mum," replied the landlord. "In fact, there ain't a house within six miles."

"You haven't by any chance got some other pet animal like a goat, say, or even a large black cat, which wears a white collar?"

"No Mum," replied the landlord.

Then, turning anxiously to her companion, the young woman said, "I'm afraid this means you were right, John. That must have been a parson that we bashed into down the road."

\* \* \*

A shy young man consulted a lady shop assistant on the purchase of a sweater for his girl friend.

"You can't go wrong," she advised. "If it's too big she will be flattered, and if it's too small she'll wear it."

\* \* \*

An old lady who had never flown before, glancing out of the window, turned to the hostess and remarked, "Isn't this flying extraordinary? From this height people do look just like ants."

"As a matter of fact, Madam," replied the hostess, "those are ants. We haven't taken off yet."

\* \* \*

Police Court Judge: "Young man, your face looks very familiar. Have you ever been convicted by this court?"

Witness: "No, your Honor!"

Judge: "Remember, you're under oath. Where I have seen you before?"

Witness: "I'm the bartender in the saloon across the street."

\* \* \*

Patient: "Why are the shades down, Doctor?"

Doctor: "There's a big fire across the street. I didn't want you to come out of the anesthesia and think the operation had been a failure."



# Personal Pars — Heard on the Grapevine

## BERRIMA

Apprentice Graham Carey, currently doing a term in the drawing office, announced his engagement to Miss Judith Jeffery, of Wingello, on 31st October. Judith and Graham have planned for the marriage early in 1963. Congratulations to you both!!

\* \* \*

Nurse Margaret Ellis, daughter of Reg Ellis (Loca Driver), received her nurse's veil at a ceremony held at Renwick Children's Hospital on 22nd November. Having completed her training period over a specified time, this was the culmination of many long hours and study.

A climax to the ceremony was the selection of Margaret by a Board of Examiners, as "Nurse of the Year", a high honour which is awarded to the nurse attaining the highest pass in the examination.

Congratulations, Margaret, on a job well done!!

\* \* \*

Two of our local boys, Jim Colquhoun and Stan Adams, in company with Alf Ellis of Mittagong, embarked on a weekend's fishing recently. However, a strong southerly blew up whilst they were out in the boat and a beautiful shade of yellow was very soon evident on the faces of Stan and Alf. Stan's only catch was an old boot while Jimmy, with a mighty pull on a likely bite, jagged a snapper through the nose.

Well, that's one way of getting them, Jim!!

\* \* \*

Wedding bells rang for Norm Sullivan on 18th November. On that day Norm was married to Miss Eileen Rowe of Moss Vale.

Congratulation to you both and may you have lots of happiness.

\* \* \*

## MARULAN

Popular Marulan policeman, Senior Constable Arthur Carter, was farewelled last month prior to his transfer to Goulburn where he will become a sergeant.

During his seven years' service in the district, he made many friends and the amount of help and worth-while advice he gave to the young people of the district can never be assessed as to its value.

Only those he helped will know what a genuine friend they have.

In the past few weeks, several new employees have been engaged at the quarry and most of them are from Goulburn. They were formerly employed by the Railways Department—one for 16 years—and were told they would be transferred to other parts of the State, due to increased use of diesels on the Main Southern Line and branch lines, with consequent changes in manpower requirements.

\* \* \*

Well-known rifleman, Tom Shepherd, who for almost 30 years has been an employee at the quarry, has been appointed gardener for the village and offices. He was for some years a loco driver and latterly a powder monkey.

\* \* \*

Jimmy Feltham, well-known to many on the switchboard, celebrated his 21st birthday with a party in Marulan on 9th December. About 200 guests were present to wish him well.

\* \* \*

The Hawaiian Night in the Marulan South Community Hall on 2nd December was something new in entertainment for the district. Features of the evening were the traditional hula girls and sarongs.

\* \* \*

Congratulations to Norman and Mrs. Willdin on the birth of a son, Michael. We are also pleased to report that Norm is making progress after an accident in the quarry where he works as a boilermaker.

\* \* \*

**SOME FISH, TOO!** A recent fishing trip to the Oberon district by Marulan South fishermen, Bert Barnfield, Jim Feltham and Ernie Irvine, yielded only three fish. However, the trip was successful in other ways and on the way home the anglers, using "silver" bait, called at a fish shop to offset any doubts as to the bona fides of the journey.

\* \* \*

One-time Marulan schoolteacher, Mr. Fred Mortimer, passed away in Sydney late last month after a lengthy illness.

Many of his former pupils now work at Marulan South, while others have moved away to a variety of other spheres.

\* \* \*

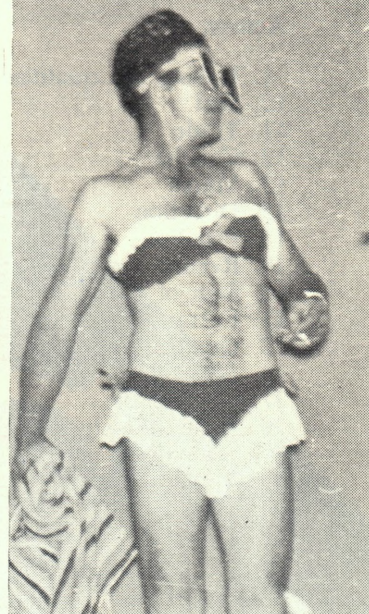
Marulan storekeeper and ace cricketer, Keith Baldock, is receiving congratulations on his appointment as a Justice of the Peace.



Last month I told you about the mannequin parade held at the Community Hall. This month I have some photos taken at this farcical parade and made available by Jim Galloway. Here they are!!

*The latest in Bikinis.*

*Shades of Yesteryear.*



#### SYDNEY OFFICE

I hear that Ron Phillips of Bankstown Store has been building a dog house in his spare time. Let's hope its for the pups, Ron, or no wonder the comment "his bark is worse than his bite".

\* \* \*

Sydney Office is waiting for the day when it will have a complete working force. At the moment Miss Helga Atkinson and Phil Dudley are on annual leave; Barry Peck and John Angelini spent a day on the South Coast look-

ing over our Wollongong and Nowra Stores, and Ian Hewitt visited Canberra and surrounding areas. Courage, the rest, better days are ahead!

\* \* \*

We were sorry to hear that Harold Ball of Miranda Store was quite ill for a couple of weeks. We hope the recovery is complete, Harold, in time for the Christmas Cheer.

\* \* \*

Best wishes for Christmas to all at Berrima from all SPCites at Sydney.

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**Remember! Safety for all —**

**all for Safety**

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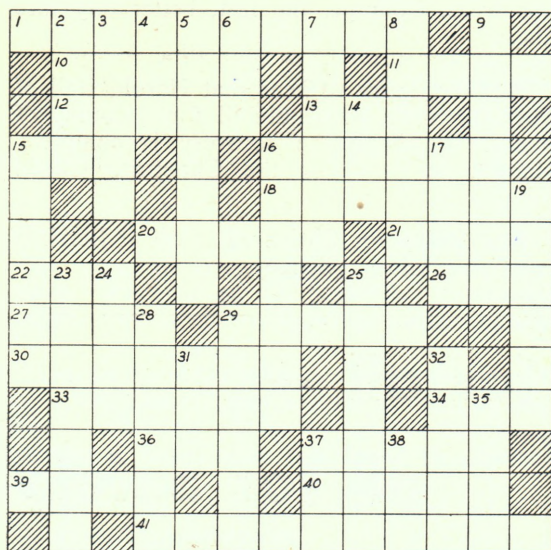
# — PUZZLE PAGE —

The result of problem No. 33 is shown at right. Jack Kirk's number came out of the hat this time. This is the second time in three months for Jack; must have a magnetic name or something! Congratulations, Jack!

## PROBLEM 33

### Across:

1. Having the qualities of sugar
10. Seat
11. Trade
12. Concise
13. Marsh
15. Direction
16. Penalise
18. Record again
20. Sign of the zodiac
21. Entrance
22. Quadruiped
26. Big —
27. Vegetables
29. Walks lamely
30. Uncivilised people
33. Tell
34. Sin
36. Tree
37. Rare article
39. Heroine of a Tennyson poem
40. Fill with dread
41. Creature once believed to live in fire



C	H	R	Y	S	A	N	T	H	E	M	U	M		
H					A	G	O	R	A				I	
A		S			M	E	T	E	S		A		L	
R	I	P	S			S	E	E		B	R	A	T	
T	R	I	E	S			D			B	U	R	R	O
S	E	N	A	T	E			C	A	R	E	E	N	
		N			A				R		S			
S	T	A	R	R	Y			H	E	A	T	E	D	
T	A	K	E	S			K			D	R	I	V	E
A	P	E	D			T	I	P		K	N	E	E	
N		R			S	O	L	O	S		G		P	
Z						N	N	U	I				E	
A	D	M						S	T	R	A	T	O	R

### Down:

2. Feigns
3. Shout of welcome
4. Sedan
5. School subject
6. Exist
7. Pervades
8. Border
9. Heavy knife
14. Unity
15. Narrow strips of leather
16. Exact
17. Wound
19. Give
23. Burning
24. Protect
25. Surgical instrument
28. Cold collations
29. Deadly
31. Type of range
32. Uncanny
35. City built on seven hills
37. Eccentric
38. Stood as a candidate