

PORTLAND
SOUTHERN

CEMENT

SPC NEWS

THE MONTHLY NEWSLETTER OF
SOUTHERN PORTLAND CEMENT LTD

SYDNEY - BERRIMA - MARULAN - MEDWAY

VOL 1 - No 1
1959

JAN 1959

Vol.1 No.1EDITORIALJanuary 1959

Dear Readers,

We take pleasure in presenting the first edition of the official monthly newsletter of Southern Portland Cement Limited, which we feel will be hailed by all as a useful medium for disseminating information and news within the Company.

It is proposed to use this newsletter for providing all employees and their families with items of interest on the following :-

1. Safety news, including statistics
2. Production figures and logistics
3. S.P.C. sporting activities
4. Welfare
5. Personal paragraphs.

Feature stories of selected themes will be accepted by the editor for publication in future editions. News items for the personal columns would be appreciated and should be handed to the editor by the 1st of the month.

With this introduction, we would like to refer you now to our cover competition, details of which will be found on page 3. Entries close on the 31st January, 1959, so we ask you to give this competition your full support.

Until next issue

Yours

The Editor.

GENERAL MANAGER'S NOTES

It is my sincere wish that this Company magazine should be a medium for informing all employees and their families of what is going on in our midst and so develop a greater appreciation of what the Company does and stands for.

Over the past twelve months considerable improvement has been made in plant cleanliness at Marulan, Medway and Berrima and recently whilst on the works with Mr. Knight we saw a dirty window amidst a lot of clean ones and on it was traced by finger "Wot - Not Clean" It gave us a great deal of satisfaction to see that at last we are becoming conscious of dirt and untidyness around us, and that we want Southern to be a better Company to work for, a Company of which we can be proud. And remember, a tidy and clean plant makes for a safe plant.

J. F. McNICOL.

General Manager.

== COVER COMPETITION. ==

Readers will no doubt agree that the cover of our first edition is, to say the least, plain.

We are therefore 'passing the buck' and asking you, our readers, to provide us with an attractive cover. For this service we offer a £5 prize to the reader whose entry is selected by the editorial staff as being, in their opinion, most suitable.

There are no limitations, except the size, which is to be the same as this issue, but we would point out that it would be appreciated if the S.P.C. trade mark could be worked into the design in some form or other. Remember that this newsletter covers Marulan, Berrima, Medway and Sydney.

Entries close on 31st January 1959, and should be addressed to The Editor.

We hope that this competition will attract a host of entries and look forward to being swamped by cover designs of all descriptions.

The winner's design will of course, appear on all future editions after February and we will comment on the results of the competition in the February issue.

= = =

To speak without thinking,
is to shoot without aiming.

= = =

4.

PRODUCTION NOTES - DECEMBER, 1958.MARULAN QUARRY:

Limestone 72,507 tons

62,013.

Mullock 49,414 tons

16,166

Nos. 1 and 2 Menck shovels operated on both limestone and mullock whilst the Marion shovel was used to remove dyke material from the 1790 ft. bench which is now being opened up.

The second QD8 Quarrymaster, recently bought from the Melbourne & Metropolitan Board of Works, arrived during the month and after overhauling and painting will commence operating on the 1790 ft. level quarry.

BERRIMA COLLIERY:

Coal 8,143 tons

10,160

Production per miner was 11.66 tons/shift and 4.90 tons per employee, quite good figures. 11.35 4.71

Following the usual custom the horses were sent to Reynolds' paddocks near the cement works for agistment during the annual holiday period.

CEMENT WORKS:

Clinker 17,905 tons

21,000.

Only two kilns operated during December, but the next few months should see continuous three-kiln operation in anticipation of increased sales.

Cement Sales 19,760

21,367

The bulk cement depot recently installed at Queanbeyan is now supplying a considerable tonnage of bulk cement to Ready Mixed Concrete (N.S.W.) Pty. Ltd., Canberra, and it is expected that Concrete Industries Limited will also take bulk cement very shortly. At the present time "Southern" is the only Company supplying bulk cement in the Canberra area which is expanding rapidly and is an important market for our product.



B A D T O O L S .

A bad tool is a nuisance and a menace. It's a nuisance because it doesn't do its work well. It's a menace because it is always likely to strike out at the worker using it or at someone near him.

One of the most common things that go wrong with tools is for the head to become loose on a hammer, sledge or pick. Sometimes we try to "make-do" with it, thinking that it will probably hold until we get through the job.

But all the accident statistics show that the head doesn't always hold. Sometimes it flies - and sometimes when it flies it has the full force of our hardest swing behind it. When that happens, it's nothing but luck that determines whether it falls harmlessly to the floor or ground, or whether it hits someone on the head and seriously injures him.

Another bad one in the hammer department is the split or cracked handle. Sooner or later it gives, and there's no telling who will get hurt by it.

Even a split handle on a shovel can be very dangerous, because a worker might fall on the sharp end when it finally breaks completely, and, what's much more likely, he may rip his hand badly on the split edge of wood even before a complete break happens.

Mushroomed heads on chisels are another source of trouble. Those ragged, bent edges of steel are just waiting for the next sock of the hammer to send them flying, and what those jagged fragments can do to an eye isn't pretty to see.

6.

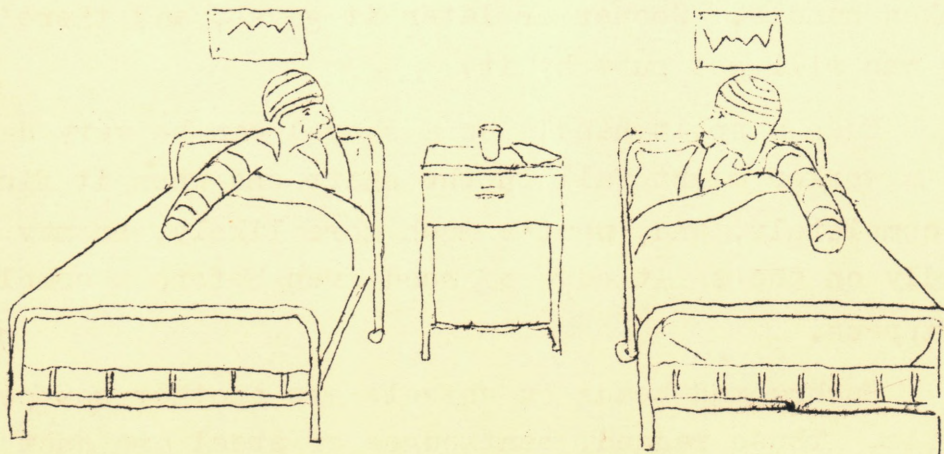
Sprung jaws on a wrench will often let loose of the work at the very time when you've put your full force behind them - and the result is likely to be mashed hands or a nasty fall.

Even little tools like screwdrivers and knives can be plenty of trouble if they are in bad repair. The screwdriver that isn't properly dressed can slip and stab.

It's the same right down the list. Every tool that is in bad repair is hard to use and is likely to produce accidents.

So, before you use any tools, look them over carefully. If they are damaged or defective in any way get them replaced or repaired.

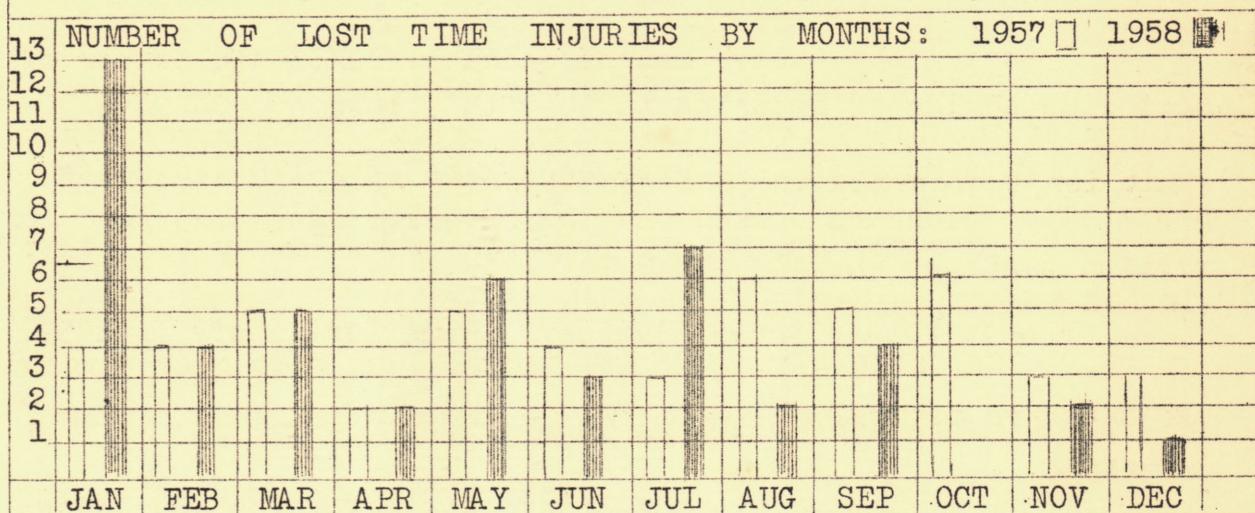
COINCIDENCE.



"Funny! I don't read Safety Notes either!"

SAFETY FIRSTCEMENT WORKS

The following graph indicates how the number of Lost time Accidents in 1958 compared with the previous year 1957.

1958 SUMMARY.

PERIOD	ACCIDENT RATE	SEVERITY RATE
	In Accidents/Million man hrs. worked	
1st Half Year	114.57	2.19
2nd Half Year	55.06	1.14

A.I.S. COMPARISON.

Extract from A.I.S. Safety News Dec. 1958.

"Since 1957 we have succeeded in reducing the works' frequency rate from a figure of 14 lost time accidents per million man hours worked to a new record level of 10, and we can, by mutual co-operation, reduce this figure even further in 1959."

LET US DO THE SAME. WE CAN BEAT A.I.S.

8.

MARULAN QUARRY.

During the twelve months ended 31/12/58 the number of Lost Time accidents amounted to 58 with a loss of 900 days.

This represents a Frequency Rate of 201.5 accidents per million manhours worked and the Severity Rate 3.13 per million manhours worked.

Lets reduce these figures. Work for Safety in 1959.

BERRIMA COLLIERY.

The following gives a brief outline of the accidents which occurred during the period 1st July 1958 to 30th September 1958 :-

Types:	UNDERGROUND	Number.
1.	Fall of Roof	1
2.	Other falls of material	2
3.	Falls of persons	2
4.	Striking against objects	1
5.	Struck or caught between skips on loco.	3
6.	Derailments and rerailments	8
7.	Animals	1
8.	Other haulage	2
9.	Corrosive substances	2
	SURFACE	
1.	Falls of persons on surface	2
2.	Skips, mine cars and locos	3

SAFETY BONUS SCHEME.

In addition to the Bonus Coupon of 1 Unit awarded to each member of a Safety Group after attaining Group bonus period without Lost Time accident, the Management is awarding a Bonus Coupon of 2 Units to each employee if all the Safety Groups attain 30 days free from a Lost Time injury. When 60 days are reached another of 4 Units will be awarded and on the completion of 90 days a coupon of the value of 6 Units will be awarded. This means that it is possible for every employee to receive 12 Units plus normal group bonus when 90 days are reached free from a Lost Time injury.

BE IN IT! SAFETY PAYS!

SAFETY GROUP STATISTICS - 1958.

This is how the various Safety Groups stood at the end of 1958 in relation to accident free days :-

<u>GROUP</u>		<u>GROUP BONUS PERIOD.</u>
Production	"A" 154 days	30 days
"	"B" 257 "	"
"	"C" 217 "	"
"	"D" 168 "	"
"	"E" 162 "	"
"	"F" 139 "	"
Maintenance	"A" 44 "	"
"	"B" 356 "	"
Construction	"A" 177 "	"
"	"B" 99 "	"
Electrical	145 "	"
Power House	56 "	"
Stockhouse	121 "	"
General Office		
Laboratory &		
Drawing Office	280 "	40 days.

WELFARE.

A vote of thanks is hereby extended to the Entertainment group comprising Bert Garbut (Power House) President, Jack Wall (Electrical Shop) Treasurer and twenty Committeemen for a most successful Xmas Picnic which was held at Exeter Park on Saturday, 20th December 1958. The Picnic was attended by approximately 500 persons consisting of employees and their families. The programme was a most impressive one and was conducted to schedule in a well co-ordinated manner. The children and womenfolk were well catered for in the competitive events and suitable prizes were awarded to the winners. One of the most keenly contested events was the General Manager's Shield which was won by the Electrical Shop, who took out the followings honours :-

WINS: Relay Race - team consisted of:-
David McLaren, Ken Noble, Col Murray, Robert Medland.
80 Yard Flat Race - 1st David McLaren, 2nd Ken Noble.
2nds: Tug-O-War - Ken Noble, Col. Murray, Reg Larsen, John
Medland.
25-40 Year Flat Race - Jim Laird.

The Shield is to be competed for annually and the Electrical Shop seem to be under the impression that they will be holding it for some time to come.

The number of subscribers to this Annual event has increased, but there are still a few whose support we would like to enlist for future events.

SICK AND ACCIDENT FUND.

To those who are unaware, a fund is being conducted, by a works committee, along similar lines to the A.I. & S. scheme whereby members who are sick or meet with an accident receive payments on a preset scale during the period of their incapacity. Information regarding this scheme can be obtained from Jack Wall (Electrical Shop) or Les Humphries (Employment Officer).

.....

Some people grow up, others just grow tall.

.....

A tactless man says what everyone else thinks.

.....

It's what you learn after you know it all that counts.

.....

PERSONAL.

David McLaren has recently returned from A.I.S. where he has been attending a course of instrument fitting for the past 18 months. Whilst at the Port he also attended the Wollongong Tech. College on a course of Industrial Electronics. The results of this course have not as yet been published, but we wish him every success. David is now a qualified tradesman having finished his apprenticeship this year.

.....

Congratulations to David Hay of the General Office on passing his Leaving Certificate.

.....

SPORTING NEWS.S.P.C. CRICKET CLUB.

What S.P.C. Cricket Club lacks in quality they more than make up for in quantity of players as the membership of the club exceeds 30 in number, including K. Mott (Hon. Sec.) and J. Mott (Soc. Sec.). The Club Fields two competition teams both 1st and 2nd grade, also a social team. A number of the comp. players are quite young and with a couple more years experience should be capable of moulding a team to take out the 1st grade district competition.

Two years ago the Club was successful in the 2nd grade district comp. and since then have been able to supply a 1st and 2nd grade team.

Whilst the 2nd grade team has not met with a great deal of success the 1st grade has been knocking on the door and seem certain to make the final this year. For this team the stars with the bat have been Freddie Bell who scored a nice 107 not out at his first attempt this year and has carried the good work on with some very nice innings. Graham Beattie who captained the team in the early matches has also proved himself handy with the willow. Harold McDonnell and Merv Brittle have shown to advantage in the bowling average. Young Peter Mott's inclusion in the 1st grade team may surprise some as he is only 13 years of age, but all who have seen him will agree he is worthy of the position as he is a fine fieldsman and rarely does he miss a chance. He is well ahead in fielding points and number of catches for the season so far.

The first game this season gave the Club great heart when they defeated last years premiers, Mittagong, but since then on numerous occasions when they appeared to have the game in the bag they have failed, mainly to bad fielding and dropped catches.

SPORTING NEWS.

S.P.C. CRICKET CLUB.

Most prominent player for the 2nd grade team would be Jack Hebblewhite for his bowling figures. Jack has already taken seventeen wickets at a very good average, his best performance being against Burrawang last match when he finished with 6 wickets for twenty seven runs, this performance included the hat-trick. He is also a steady bat and a reliable fieldsmen. This team is captained by Tarn Wrightson who is only too willing at all times to hand down to the younger player anything he may have learned in his 30 years of cricket.

The social games arranged throughout the year are played on Sundays and have proved very popular both among players and supporters and no difficulty is experienced in filling a large bus when the team travels away. The team mostly travels to the coast and members take their wives and children along and always seem to have a most enjoyable day. The next trip away is arranged for Sunday 25th, when the team will play a Wollongong team.

MARULAN BASKETBALL TEAM.

A team from Marulan South captained by George Maconachie, was entered in the 1958 Goulburn Men's Basketball Association and was most successful in winning the premiership of the third grade.

The performance was particularly creditable as the team was entered three matches after the start of the season and in a grade above the other new teams, which constituted the fourth grade of the association.

APPRENTICES RESULTS.

The following apprentices successfully passed their 1st and 2nd term exams at Goulburn Technical College.

FITTING AND TURNING:

O.J. Fairbairn	}	3rd Year
J.B. Lewis		
R. Hartley		
R.G. Hardy		
G.R. Carey	}	2nd Year
H.A. Stubbings		
R.H. Mulready	}	1st Year
T.J. Mott		
I.V. Mackey		

ELECTRICAL FITTING:

R. Medland	}	3rd Year
A. Canova		
K.J. Mott		2nd Year
G.R. Jones	}	1st Year
J. Jervis		
M.T. Toomey		

We wish them success for their next years efforts.

The following new apprentices commenced duties this month :-

David King, John Sabidussi and John Grilz (Elect.)
Bill Polland, Harley O'Brien and David Boyd (Mech.)

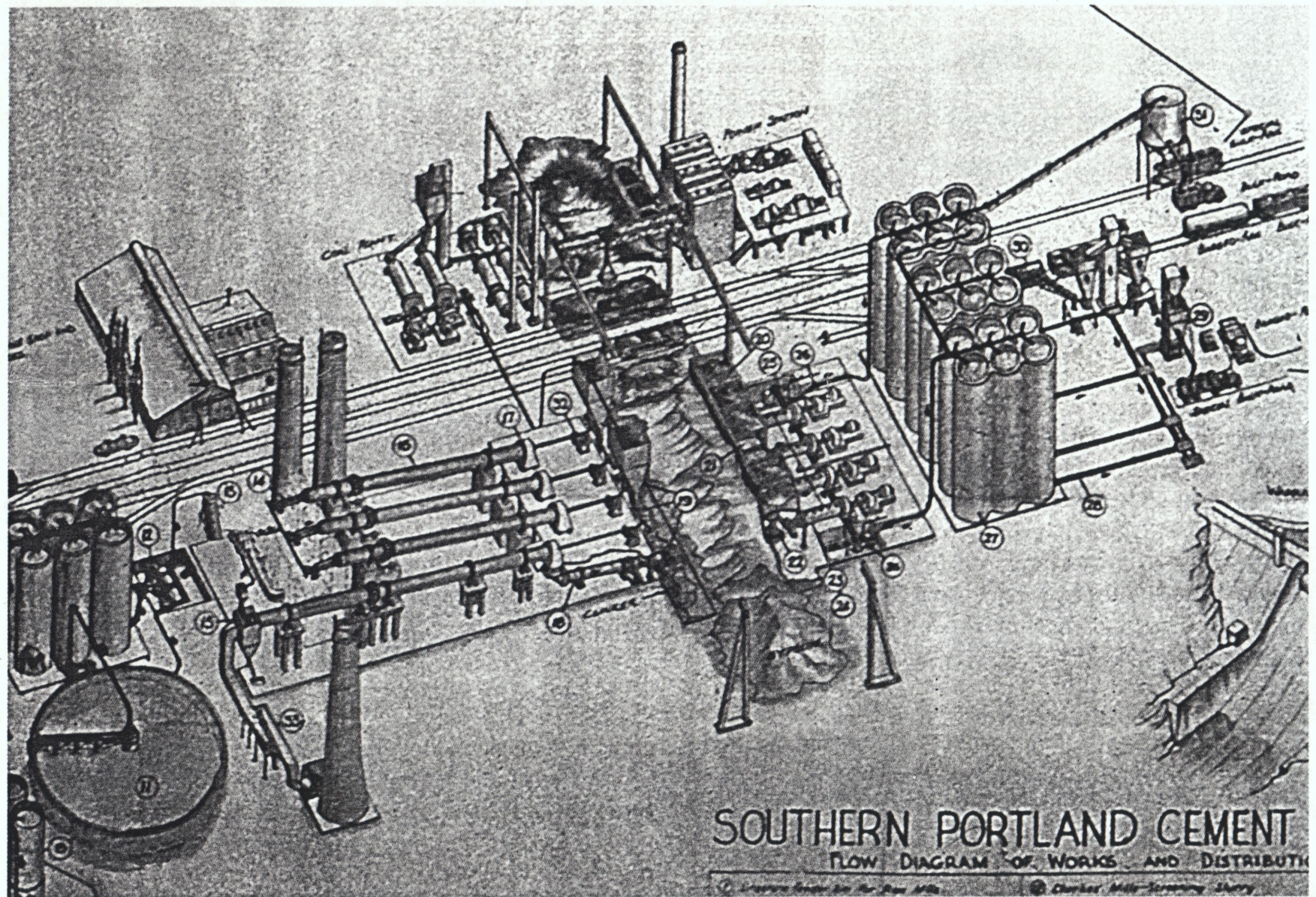
Our best wishes for a happy stay with S.P.C.

STOP PRESS: Appendix to page 9.

As this edition goes to press the accident free period of the Berrima Plant stands at 12 days.

Marulan and Medway have now joined this scheme and their figures will appear next month.

The map is on page 16
of the Story of Cement at
Berrina



Above is a drawing of Kilns 1-2-3-4, which were all housed in the same building. The first three shorter kilns can be seen located behind the much longer Kiln 4. The aerial photograph taken (below) in 1957 shows Kiln 4 still under construction. Enclosed under the same roof as the first 3 kilns, Kiln 4 can be seen protruding to the left of the building.

PERSONAL PAR'S.

HEARD ON THE GRAPEVINE.

BERRIMA.

Wedding Bells are imminent for Percy Sewell (Elect. Shop). Better have a plentiful supply of invitations printed Percy.

The marriage will take place in Bowral on Saturday 31/1/59 between Miss Florence Beatson of Bowral and Ross Spence (Power House) of Moss Vale.

Ernie Radnidge is holidaying at Forster on the North Coast. We should hear some tall fish stories on his return.

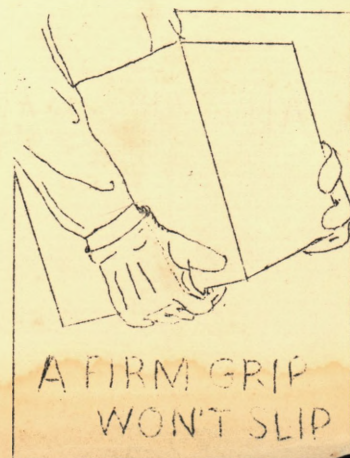
Congratulations to Ronny and Mrs. Tiyce on the birth of a son.

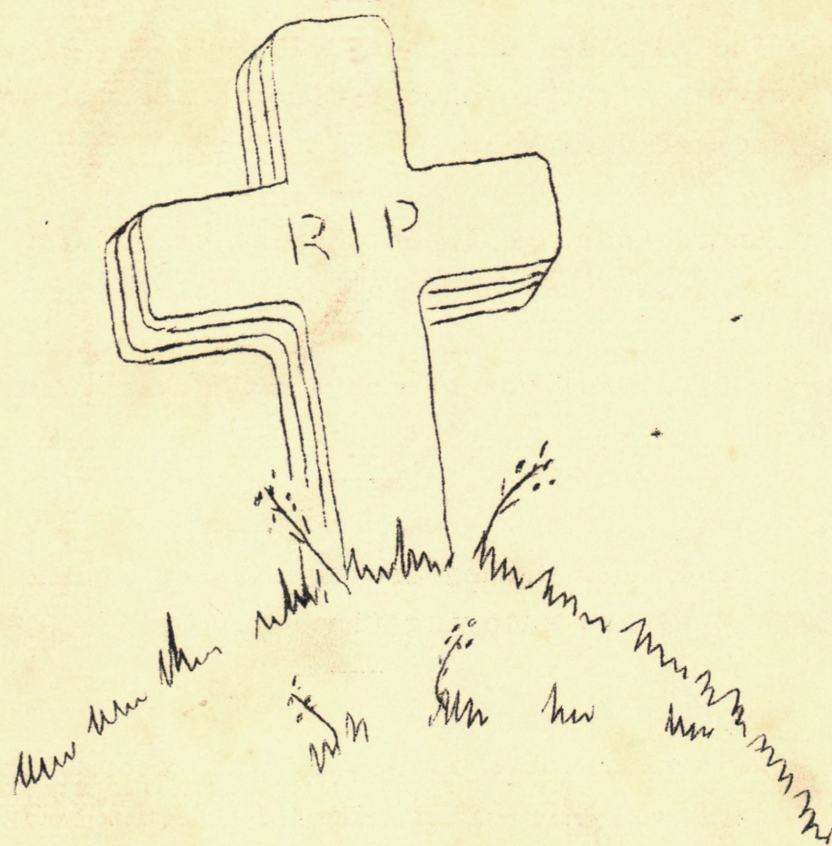
MARULAN.

Mr. & Mrs. Cluney are holidaying at the South Coast and we hope they are enjoying fine weather.

MEDWAY.

We hope readers at Medway will bear with us at the lack of news from the Colliery in this issue. Unfortunately our Newshound found nobody at home on his visit there recently.





HE SAID HIS SAFETY HAT WAS TOO TIGHT

PORTLAND
SOUTHERN
CEMENT

SPC NEWS

THE MONTHLY NEWSLETTER OF
SOUTHERN PORTLAND CEMENT LTD

SYDNEY - BERRIMA - MARULAN - MEDWAY.

FEB

VOL 1 NO 2
1957

Dear Readers,

We have behind us now, the first edition of the "S.P.C. NEWS" which was favourably received by the majority of readers.

It was pleasing indeed to receive such comments as "Extra good effort", "When do we get the next issue?" "Should be a good thing", etc.

The value of this newsletter from a readers point of view can only be judged by the articles it contains.

It is therefore essential that the coverage of the Social, Sporting and Welfare news is sufficient to make for interesting reading. In this respect we are dependent of you, our readers, for the bulk of information covering these activities. The first week in every month is the deadline for articles to be published so we ask you to send in your items as early as possible after the end of the month.

Archie McFarlane has been nominated, seconded and appointed by the editorial staff as Newsroundsman for the Marulan area.

Brian Hilton has scored a similar appointment at Medway.

Until next issue

Yours

The Editor.

THERE IS NO SADDER OR MORE FREQUENT OBITUARY ON THE
PAGES OF TIME THAN "WE HAVE ALWAYS DONE IT THIS WAY".

- - - - -

EVEN THE BEST FAMILY TREE HAS ITS SAP.

- - - - -

GENERAL MANAGER'S NOTES.

It was pleasing to learn that the first issue of S.P.C. News was enthusiastically received by the majority of employees and there is no doubt that the publication will improve greatly as the Editor gets a better idea of what articles are favoured most by you.

Safety First continues to be uppermost in our minds and during January Mr. Knight and Mr. Veal attended a four day Accident Prevention Course for Supervisors held at the Steelworks, Port Kembla, where they learnt the most up-to-date techniques for getting Safety First to the Foremen and then to the men. More will be heard about this later, but the implementation of the new techniques is under way.

The Frequency Rate at both the Works and Marulan rose alarmingly during January, however February has got away to a good start so let us keep it up.

GENERAL MANAGER.

RESULT OF COVER COMPETITION.

In view of the limited time which was available to competitors in this competition, the resultant entries were quite impressive from the point of view of the work put into them. The entries as a whole showed that a lot of thought was put into the various designs and it was also pleasing to see that the younger generation were trying their hands with effective results.

After much consideration it was decided to make a composite cover design using the features from the five most suitable entries. This was felt desirable in view of the difficulty in selecting one entry which contained all the requirements for a first class cover.

From a total of 17 entries the following 5 have been awarded a prize of £2 in recognition of their very fine efforts:-

J. Bell (Medway)

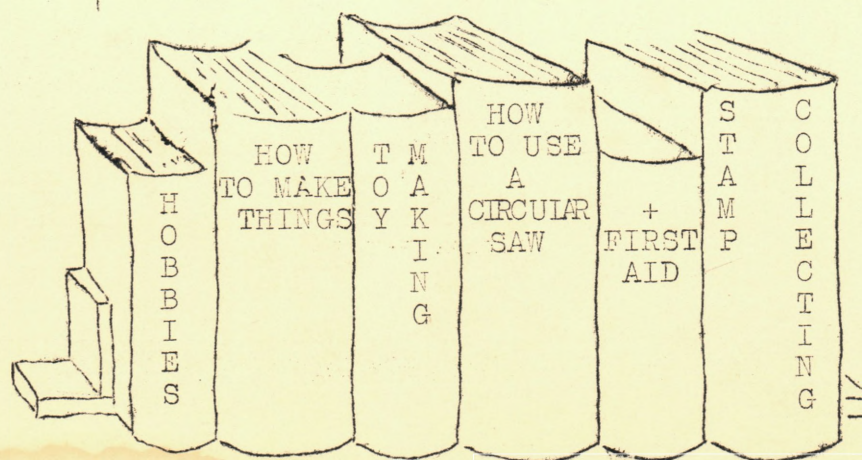
W. Brenchley (Berrima)

J. Jarvis (Berrima)

Judith Brown, aged 13 years of Moss Vale.

The Mulready family (very prolific entries)

We offer our congratulations to these people and hope that we may be able to use their talents at some future date in other aspects of the S.P.C. NEWS.



4.

PRODUCTION NOTES - JANUARY 1959.

MARULAN QUARRY.

Limestone..... 71,996 tons
Mullock..... 37,930 tons

The 1910 ft. bench is nearing the end of its life and should be finished during February.

The 1790 ft. bench is now ready to produce stone and will come into production during March.

BERRIMA COLLIERY.

Coal 7,035 tons

Production per miner was 10.99 tons per shift and 4.64 tons per employee, below average but in line with other January figures which are usually low after the miners return from their annual vacation.

CEMENT WORKS.

Clinker 20,958 tons

Three kilns operated for most of January and it is hoped we can continue in this manner which is, of course, entirely dependent upon sales.

Cement Sales 19,673 tons

Sales for January were not as good as anticipated due mainly to rain throughout the month which affected our ordinary cement trade. Also Utah Brown and Root Australia Limited, which is constructing the Tantangara Dam and diversion tunnel in the Snowy Mountains area, did not take as much cement as scheduled.

IMAGINATION IS MORE IMPORTANT THAN KNOWLEDGE.

SAFETY TRAINING.

An Accident Prevention Course was recently held at Port Kembla and was initially attended by executives of the A.I.S. Group. This course was conducted over a period of one week and was attended by the Works Manager of S.P.C.

The Course is designed to educate foremen and safety officers in all matters pertaining to Accident Prevention.

GENERAL:

Safety training today is assuming an ever increasing importance in industry and this is not surprising because of the wide recognition of the necessity for keeping the accident rate to a minimum. The benefits to workmen from safe working are fairly obvious as few people enjoy being hurt or losing a limb even though there is provision for financial compensation in each case. Equally, no employer wants any of his men to be hurt. Apart from his regard for their well being there is also no doubt that an enterprise which practices safety, first and always, is a better place in which to work.

Good safety practice goes hand in hand with good management and necessitates good housekeeping, good working conditions and good discipline and these all make for a better attitude towards the works and greater pride in the job, which in turn makes for better quality and quantity of works done.

TWO MAIN ASPECTS.

There are two main aspects to be considered in the achieving of consistently lower accident figures. The first is that the works or plant must be engineered for safety. By this we mean that all new plant and processes should be examined closely from the safety point of view before being put into operation and must be constantly observed to see that everything is done when the plant is operating to minimise the possibility of employees being injured by such equipment.

- - - - -

EVERYTHING IS CAUSED, FIND THE CAUSE AND YOU CAN CONTROL THE EVENT.

This aspect of safety training is one that is often overlooked, but it will be realised that much is lost if our efforts are devoted to encouraging men to work safely, when in fact, the equipment and tools they have do not permit of the best results in this direction.

The Second main aspect is that of educating the worker and this is by no means an easy task nor one that can be done with a single instruction or done overnight; it needs a steady well-organised campaign to ensure that the man is trained in safety from the day he starts work as well as in the other skills necessary for his particular job.

To achieve the desired results, this safety training must be well organised, dynamic and continuous and must keep alive in the minds of the men this aspect of safety by constant discussion, publicity, posters and the study of statistics. Men must be continuously educated in safety, otherwise the old adage of "familiarity breeds contempt" will rear its head and an accident will result.

No safety campaign or effort can succeed unless it is on a well-organised basis. Sporadic bursts to prevent accidents are of little value - they usually follow some serious accident or serious deterioration in safety figures and their impetus is soon lost and the old conditions return.

HANDBOOKS ON SAFETY.

One of the positive methods used in safety training is the preparation and issue of Safety Handbooks. It is considered that, correctly used, these greatly assist employees in safe working practices. Handbooks will be issued in the near future to cover all the general operations and many specialised operations, including crane driving, use of grinding wheels and oxy-acetylene burning. All employees, regardless of their occupation, will be issued with these handbooks.

MEN TAKE THE UNSAFE ALTERNATIVE BECAUSE THEY ARE NOT
CONVINCED AN ACCIDENT WILL FOLLOW.

SAFETY FIRST.BERRIMA PLANT - JANUARY SUMMARY.

During January we had five lost time injuries which accounted for 43 days lost time. The various Groups which were affected by these accidents are as follows:-

Power House	- 2	Accidents
Maintenance "B"	- 1	"
Construction "B"	- 1	"
Stockhouse	- 1	"

These figures represent a Frequency Rate of 117.5 and a Severity Rate of .99 per million man hours worked.

MARULAN.

Seven lost time injuries occurred during January and the Groups affected were:-

Group 2	- 1	Accident
Group 3	- 3	"
Group 4	- 3	"

Days lost amounted to 113 days which represents a Frequency Rate of 400.9 and a Severity Rate of 6.47 per million man hours worked

MEDWAY.ALKALINE BURNS:

The following comments are intended to give some idea of the steps to be taken in the event of a burn on the hip caused by a drop of alkaline.

It is a known fact that a weak acid, such as vinegar, is used as an antidote for an alkaline burn. Conversely, a weak alkaline is used for an acid burn.

Therefore, in the case of an alkaline burn, the best thing to do is to wash the burned area with water from the water bottle and then get first aid treatment from the Ambulance man.

Another recent accident involved a man falling on the spindle of a pump valve causing a puncture wound behind the left knee. To prevent this type of accident, Deputies and Pumpmen have been instructed to see that gate valves on suction ends of pipes have their spindles turned downwards.

WELFARE NEWS.CHRISTMAS FUND.

The organising committee wish to remind employees that, to be successful, this fund requires 100% membership. The Popularity of this annual event is maintained by the unceasing efforts of the committee. Help them by adding your name to the fund list.

Any suggestions for the improvement of the function would be most welcome and can be submitted to the committee at any time.

The Balance Sheet for 1958 is in the process of being prepared and will be presented at the next meeting.

SOCIAL CRICKET MATCH.

A Social Cricket Match will be held at S.P.C. Oval on 1st March, 1959.

The teams that propose to do battle on this day are as follows:-

ELECTRICAL SHOP.

Sam Fleeton (Captain)
Ken Mott
John Jervis
Jack Kirk
Ken Noble
Colin Murray
Robert Medland
David McLaren
Reg Larsen
Mel. Toomey
Frank Hines
Jack Simpson

MACHINE SHOP.

Robert Magnus (Captain)
Norm Austin
Don Moore
John Tickner
John Townsend
Gordon Ross
John McKay
Owen Fairburn
Keith Graham
Bill Rutter
Alan Parker
John Long
Lance Dawson

The interest in this match will be highlighted by the fact that liquid refreshments will be taken at regular intervals by the players.

There will no doubt be some interesting observations, on the flight of the ball, by a batsman who has been partaking of these refreshments.

EDITOR'S NOTE: In case of multi-vision, hit the one in the middle!

THE MEDWAY ROAD.

Representations on a number of occasions have been made to the Wingecarribee Shire Council by Mr. R. Jones (Berrima Lodge) and Mr. R. Jenkins (Moss Vale ALP), regarding the resurfacing of the road leading from the Hume Highway to Medway Village.

The council have allocated £2000 towards the repair of this road but this would only be sufficient to resurface part thereof.

Messrs. G. Fraser and R. Jenkins, during an interview in Sydney with Mr. Simpson, Minister for Mines, discussed the possibilities of obtaining further financial assistance. The matter has been placed before the Joint Coal Board and arrangements are being made for a meeting between the Joint Coal Board District Engineer, the Wingecarribee Shire Council and other interested parties. The outcome of this meeting is keenly awaited and it is hoped that the result will be an improvement in this much used road.

KNOWLEDGE AND TIMBER SHOULD NOT BE USED UNTIL THEY ARE SEASONED.



"If I put down you were hurt on the job, our safety record's ruined - so I'll say you were thrown out of a bar!"

PERSONAL PARS'.HEARD ON THE GRAPEVINE.BERRIMA.

Bill McDowell and his gang are engaged at the moment in erecting a structure at Berrima West for the Boy Scout Club. Hear tell that many a good deed will be done in this new building.

- - - - -

Miss Rosemary Layton of the General Office is holidaying at Batehaven on the South Coast.

- - - - -

Apologies to Percy Sewell for our misconstruction of his dissertation on matrimony.

- - - - -

MEDWAY.

Bill Hilton has returned to the fold after a pleasant break at Sunny Newcastle.

- - - - -

George Preston is at present on long service leave. Our best wishes for a happy vacation.

- - - - -

Receipt is acknowledged of a cartoon by ANON. We feel however that only a small percentage of readers would see the joke, but would welcome his artistic efforts on cartoons of a more general nature.

- - - - -

SYDNEY.

Miss Judith Halfacre, a member of the office staff has been spending a seaside holiday at Toukley. She is enjoying the company of a brand new niece, Diane Judith Sanderson.

- - - - -

NO ONE IS SO BUSY AS THE MAN WHO HAS NOTHING TO DO.

- - - - -

LIFE IS ONE LONG BATTLE OF WITS - AND THINK OF ALL
THE BRAVE PEOPLE WHO FIGHT IT UNARMED.

SPORTING NEWS.S.P.C. CRICKET CLUB.

Anniversary weekend proved a busy one for S.P.C. cricketers. Competition cricket was played on Saturday, 24th January and at the conclusion of play on that day the first grade team was in a very favourable position against Wingello. This match concluded on the following Saturday and resulted in an outright win for S.P.C.

On Sunday, 25th, the social team of the club travelled to Wollongong to play Radio Cabs. S.P.C. managed to record an easy win, and a most enjoyable day was had by all who participated.

On Monday, 26th, a strong team of keen cricketers from Newtown visited the S.P.C. ground but unfortunately rain washed out play after only two hours and ruined what appeared to be a very interesting game. Newtown had batted first and S.P.C. had accounted for 6 batsmen for only 113 runs. Newtown's captain is a grade player in Sydney and has a seasonal average of 179.

Looking over the two games, the most outstanding players for S.P.C. would be Sid Talbot for his nice innings of 51 retired, and Jim Moore who took 3 wickets for 8 against Wollongong. Best bowlers against Newtown were H. McDonnell, 2 for 23 and Jack Hebblewhite, 2 for 19.

In the first grade match against Wingello S.P.C. scored an outright win and this result has secured their position in the first four and if the team maintains its present form, it must be given a strong chance in the semi-finals. Outstanding players for S.P.C. in this match were H. Gilbert who scored 48, H. McDonnell who took 3 for 10 and Don Moore who took 4 for 32.

Norm Austin (Mill Gang) and prominent member of S.P.C. Cricket Club has returned to work after an appendix operation.

SPORTING NEWS - CONT.BOWLS.

The S.P.C. boys have commenced their year by displaying excellent form during the matches held over the last 6 weeks.

Ally Council of the General Office skipped one of the Bunda-noon teams, winners of the Southern Highlands B Penant, and the State Fours, downing the reigning champs of Moss Vale.

Len Knight, Bill Rutter, Sam Fleeton and Fred Armstrong were winners of the Moss Vale Presidents Trophy. This makes two in a row for this team haveing been sucessful in 1958. They are a very foridable foursome and will no doubt take some "tossing".

STOP PRESS.

Appendix to page 7 :-

A new regulation has recently been issued under the Factories and Shops Act 1912-1958 which is an amendment to the welding and Riveting Regulations.

Copies of this amendment are in the process of reproduction and will be issued to the various departments as soon as they are available.

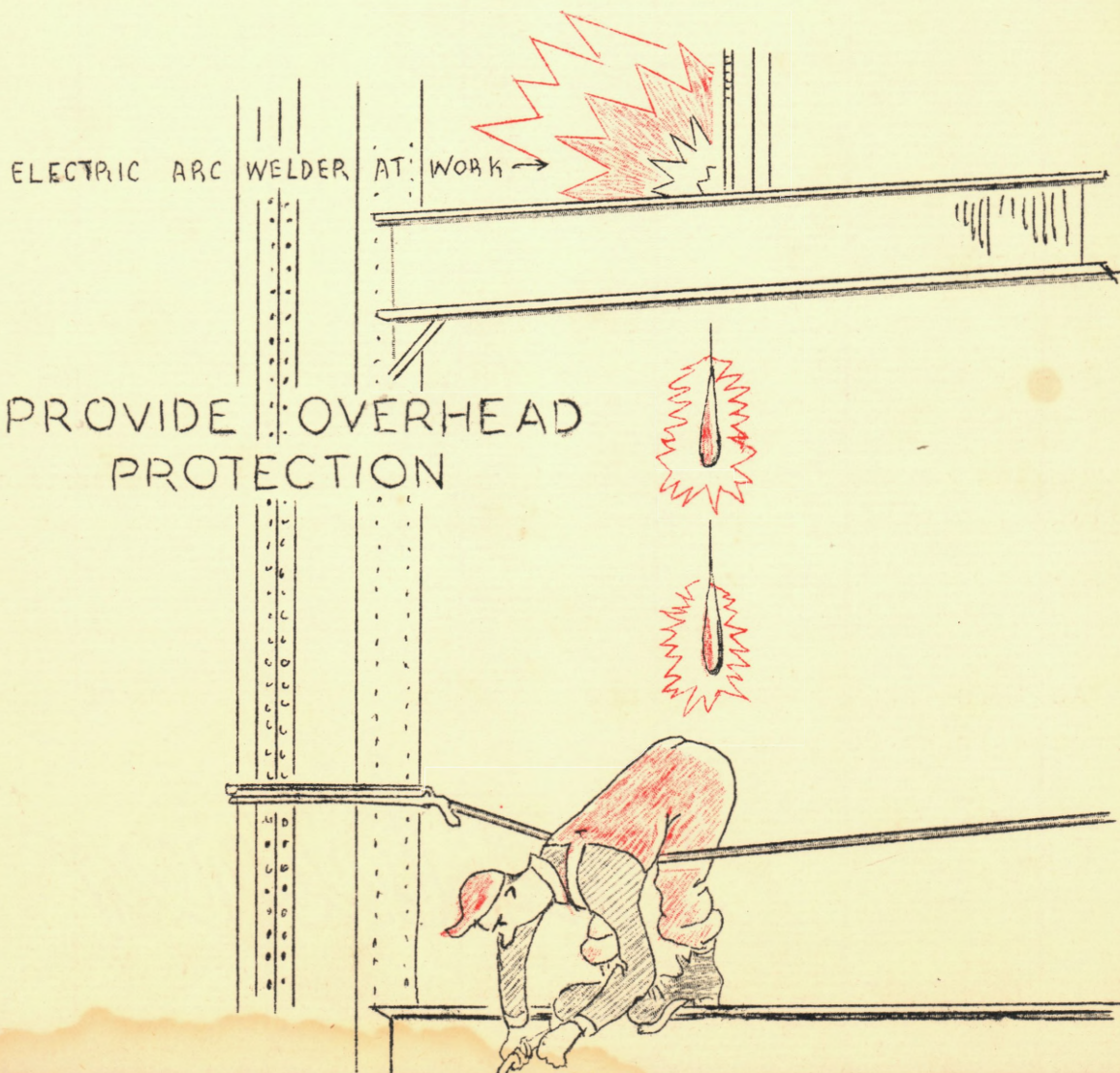
As this issue goes to press the State of the various safety bonus groups is as follows :-

BERRIMA PLANT	-----	18 days	Accident Free
MARULAN PLANT	-----	4 days	" "

KEEP IT UP! DON'T LET THIS FIGURE GET BACK TO ZERO.

WELDING ?

PROTECT THE DRIPS BELOW



PORTLAND
SOUTHERN

CEMENT

SPC NEWS

THE MONTHLY NEWSLETTER OF
SOUTHERN PORTLAND CEMENT LTD.

SYDNEY — BERRIMA — MARULAN — MEDWAY

VOL 1 No 3
1959
MARCH

Dear Readers,

We anticipated being able to present the new cover in this issue, but owing to circumstances beyond our control it will not be available until the April issue of the NEWS.

We are endeavouring however to improve the general appearance of the newsletter and this month shows the introduction of coloured paper, which we feel will be a big improvement.

It is considered in some instances that "improvement comes with age", and we are hoping this applies in the case of the Newsletter. We feel that with more experience our methods of production will improve and we will be able, with the help of our contacts in the various centres to present a worthwhile news coverage of the whole of S.P.C. We are already receiving tips from readers regarding possible articles and in following up these tips we find useful material for inclusion in the newsletter.

Give us the leads and we will do the rest!

With regard to the Safety Campaign, we intend running a series of articles which will be serialised over a period of some months. This month's article deals with the Nature of Accidents and will be continued next month.

Until next issue

Yours

The Editor.

GENERAL MANAGER'S NOTES.

1.

During February the Assistant Chief Chemist, Mr. Sam Marshall and myself visited the Snowy Mountains area to contact the contractors constructing the various projects now in progress. Reference to the attached map will help follow the notes. Adaminaby Dam, on the Eucumbene River, was completed last year by Kaiser-Walsh-Perini-Raymond three years ahead of schedule and is now filling slowly. The capacity of this dam is eight times the volume of Sydney Harbour and it is proposed to develop the lake as a tourist resort with camping sites, yachting, fishing etc.

The water from this dam is to be released for irrigation and power generation through a 14 mile long 21 feet diameter tunnel now almost completed, also by Kaiser-Walsh-Perini-Raymond.

The tunnel will discharge into Tumut Pond Dam, on the Tumut River, which is a relatively small storage pond feeding TI power station, the first of five hydro-electric power stations to be built on the Tumut River. If necessary water can also be released down the Eucumbene River into the Snowy River and thence into Victoria. The dam wall is of arch concrete construction made entirely of Southern Low Heat cement, and is 290 feet high and 715 feet long at the crest. The wall is very pleasing to the eye and when you see it, as no doubt you all will before long, you will be proud of your association with it.

Water from the Tumut Pond Dam is carried to TI power station through a $1\frac{1}{2}$ mile tunnel and then down two vertical pressure shafts leading to the power station in an excavated cavern 1,000 feet below ground level. Four 80,000 KW alternators are being installed and the first unit is now being tested, the other three units being scheduled to operate before the end of this year. Power from this station will be transmitted at 330,000 volts to both the N.S.W. and Victorian power grids from the switching station at Cabramurra which is above TI.

The water discharged from TI will flow back into the Tumut River and then into another dam a few miles downstream feeding T2 power station through a three mile tunnel, and thence back into the Tumut River via a four mile tailrace tunnel. Kaiser-Walsh-Perini-Raymond have just commenced the T2 contract which will bring into operation four 70,000 KW alternators by the end of 1963.

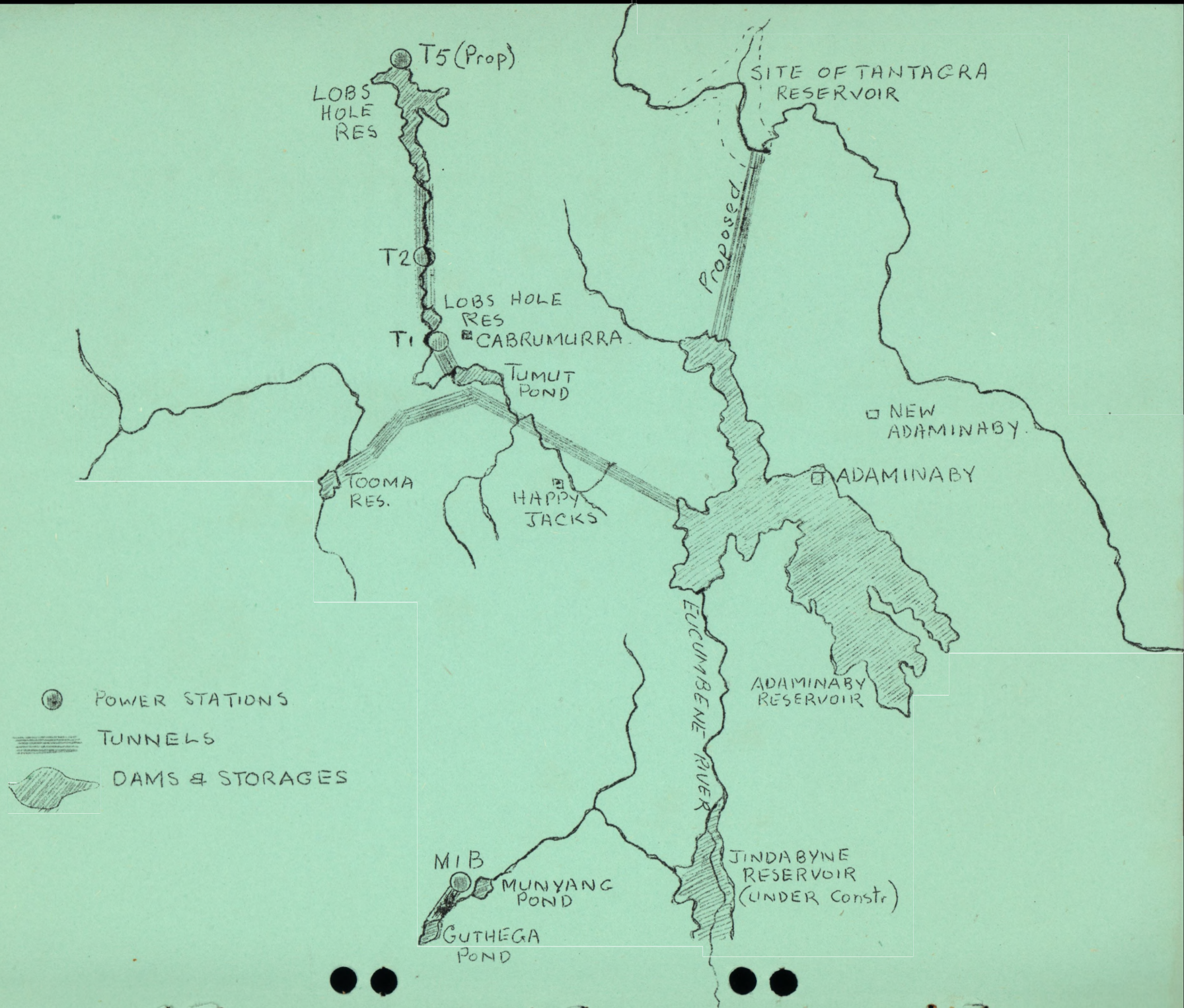
The Tooma - Tumut diversion to bring the head waters of the Tooma River, which normally flow into the Murray River, into the Tumut River has been commenced by Thiess Bros. Pty. Limited, the first all Australian firm to do a major contract for the Snowy Mountains Authority. A nine mile tunnel will bring the Tooma water into Tumut Pond Dam from where it will go to TI or, in times of flood, back along the 14 mile tunnel into Adaminaby Dam.

The Murrumbidgee - Adaminaby Dam diversion is also under way to bring the headwaters of the Murrumbidgee River into Adaminaby Dam for subsequent release down the Tumut River. The dam wall and a ten mile tunnel are being built by Utah Australia Limited and are expected to be completed in 1962. The dam wall is being constructed with Southern ordinary cement, having lower heat of hydration characteristics than normal ordinary Portland cement, and is acclaimed by the Snowy Mountains Authority as a universal cement, replacing both ordinary and low heat cements.

You will find it difficult to grasp the magnitude of this undertaking by just reading about it so I thoroughly recommend a visit to the area to see for yourself. It is advisable to visit the Snowy Mountains Authority's headquarters at Cooma before venturing into the area as they will provide you with the latest tourist information regarding roads, petrol supply etc.

It is certainly a great feeling to know we are contributing substantially in the development of Australia's power and water resources and may we continue to do so.

GENERAL MANAGER.



COOMA

COOMA

COOMA

COOMA

MURUMBIDGEE RIVER

MURUMBIDGEE RIVER

MURUMBIDGEE RIVER

MURUMBIDGEE RIVER

MURUMBIDGEE RIVER

3.

TRIBUTE TO AN ARTIST. (Gordon Ross - Mill Gang)

How many people are aware of the amount of work and study involved in becoming a Bandmaster? Some might think it takes only a few years whilst others have no idea. Let me therefore tell you this story of a boy, who, at the age of 14 decided to take up music.

Gordon Ross was this lad's name, and he joined the British Army in 1935 as an Army Bandboy.

The culmination of his training as a Bandboy was his graduation from Kneller Hall, the Army School of Music.

His life as a Bandsman then commenced in earnest and to those who are not familiar with life in the Army, let me say that it is one of full activity from 6 a.m. until 10 p.m. Not only is a Bandsman expected to master the various instruments of a brass band but he is also required to excel at drill on the parade ground as most of their band work is conducted during ceremonial functions where they provide accompaniment for marching troops.

Interspersed with his musical training, is his instruction and training as Medical Orderly and Stretcher Bearer as the band as a whole forms part of the Medical Platoon in a theatre of War.

It wasn't long before Gordon attained the rank of Band Sergeant and at the outbreak of war his regiment, the Royal Northumberland Fusiliers was posted overseas. He saw action in the Middle East and was, during this campaign, at numerous hot-spots including Tobruk.

In 1952 Gordon migrated to Australia and settled down in the Berrima District where he later joined S.P.C. He was for some time Bandmaster of the Moss Vale District Band which was eventually absorbed by the Bowral Association Band. This Band has been in operation for sixty three years and on the recent retirement of Mr. Les King, the position of Bandmaster became vacant for only the fourth time in its history.

It is therefore fitting that Gordon Ross has been appointed Bandmaster to this District's first rate Band whose services are in much demand.

Brass Bands are unique in their presentation of music and I have no doubt that the band as a whole will benefit from Gordon's storehouse of experience in this field.

PRODUCTION NOTES - FEBRUARY, 1959MARULAN QUARRY.

Limestone.....62,013 tons
 Mullock.....16,166 tons

In addition to the above figures approximately 14,000 tons of low grade fines were dumped.

No. 1 Menck shovel is still scratching around on the 1910 ft. bench cleaning up and putting in a new access road for recovery of the stone underneath the railway backshunt at a later date.

The Marion shovel continued development of the south quarry road and a considerable tonnage of material was sidecast.

BERRIMA COLLIERY.

Coal.....10,160 tons

Production per miner was 11.35 tons/shift and 4.71 tons per employee.

CEMENT WORKS.

Clinker.....21,000 tons

Three kilns operated for most of February except for four days lost by No. 4 Kiln for a partial reline of the burning zone after a 46 days campaign. Brick life for this kiln has been very poor to date, however we expect to improve this with modifications to the coal firing equipment.

Cement Sales.....21,367 tons

Sales for February were affected by the heavy rainfall during the month. With Warragamba Dam near completion and the Eucumbene - Tumut Pond Dam tunnel in the Snowy Mountains area finished we are on our toes to find other markets for our cement to replace these major orders.

THEIR NATURE, CAUSES AND RESULTS(A) NATURE OF ACCIDENTS

WHAT IS AN ACCIDENT?

An accident is an unexpected happening.

If the man had expected it, he would not have done what he did, or he would not have been in the position he was in. When we expect some unpleasant experience we usually take some action to avoid it. This tells us something about preventing accidents. The Strategy is simple.

MAKE THE UNEXPECTED EXPECTED.

CONTACTS

Most accidents involve something contacting the man. Contacts involve either :-

OBJECTS	i.e. Tools, materials, machines structures etc.
SUBSTANCES	i.e. Injurious chemicals and gases.
EXPOSURES	i.e. Extreme heat or cold or sunburn.

Some accidents do not involve a contact. Lifting incorrectly does not involve a contact that directly causes the injury. However, most accidents involve contacts. This emphasises another way to prevent accidents.

MAKE CONTACTS LESS LIKELY.

BASIC ACCIDENT TYPES

Some of the basic types of accidents that involve contact are:-

1. STRUCK BY

It is always a "Struck by" accident when the man has been contacted unexpectedly by a moving object or substance.

6.
BASIC ACCIDENT TYPES (Cont'd)

2. BUMP AGAINST

It is always a "Bump against" accident when the man is moving and contacts some object or substance.

3. JAMMED IN

The case of a man who caught his shoe in a floor grate.

4. JAMMED ON

Clothing caught on a moving machine part.

5. JAMMED BETWEEN

Hand jammed between objects moving or otherwise.

The above types account for 64% of our accidents. If we could prevent these we could reduce our accidents by more than half.

OTHER TYPES OF ACCIDENTS

1. FALLS TO BELOW

Many accidents are falls from a higher level to a lower level.

2. FALLS ON SAME LEVEL

Many accidents involve a fall at floor level. Poor house-keeping is a common cause of such accidents.

WHAT ARE THE MAN'S PHYSICAL SURROUNDINGS?

An accident is usually a contact between a man and some part of his physical surroundings (job). This includes the floor he stands on, the roof over his head, the tool he uses, the machine he operates, the material he processes and the man he works with. The temperature and illumination under which he works.

With man in this situation we always have a potential accident.

TWO SIDES TO EVERY ACCIDENT

This is an important point about all accidents and one that should never be forgotten. There is :-

TWO SIDES TO EVERY ACCIDENT

THE MAN SIDE

Men at work often do things that cause them to experience abrupt and unexpected contact with their physical surroundings. There is no end to what they do or fail to do that can cause them injury.

THE JOB SIDE

There are literally thousands of potential defects in man's physical surroundings which may contribute to his accident.

ACCIDENTS ARE BEST PREVENTED BY CONSIDERING BOTH MAN AND JOB SIDES.

(B) CAUSES OF ACCIDENTS

The same strategy applies to accidents as problem solving in:-

- (1) Getting and examining the facts.
- (2) Determining the cause or causes.
- (3) Eliminating the causes.

The KEY to accident prevention is PROPER DETERMINATION OF THE CAUSES.

THINK OF CAUSES AS DIRECT OR INDIRECT

NOTE:

In the next issue we will discuss direct man causes in terms of unsafe acts.

8.

SAFETY FIRST
FEBRUARY SUMMARY

BERRIMA PLANT

During February we had 2 lost time accidents which accounted for 24 days lost time. The Groups which were affected by these accidents are as follows :-

Stockhouse - 1 Accident

Power House - 1 "

These figures represent a Frequency Rate of 46.6 and a Severity Rate of 558.2 per million man hours worked. The latter figure is based on an amendment in S.A.A. Code for "Recording Industrial Accidents".

MARULAN.

Four lost time injuries occurred during February. Days lost amounted to 20, representing a Frequency Rate of 221 and a Severity Rate of 1547.2 per million man hours worked.

MEDWAY.

Five lost time injuries occurred during February. Days lost amounted to 49.

- - - -

RESPONSIBILITY OF REPORTING ACCIDENTS

In the event of sickness or a minor injury received at work which requires medical attention outside normal workings hours, it is an employee's responsibility to inform his foreman as soon as possible of his inability to attend work.

Numberous cases occur where employees fail to attend work due to sickness etc., and the foreman has no notification of the reason of their absence.

The co-operation of all employees is sought in this matter.

SPORTING NEWS

S.P.C. CRICKET CLUB.

Social cricket this month eclipsed competition cricket as regards interest in the game. The second grade competition players ended their final round without making the semi-finals. However the first grade team is assured of it's position in the first four and looks forward to the commencement of the semi-finals on the 7th March.

The first social game was a match between the Shiftworkers at Berrima and the Social Club Team. The Shiftworkers started well but when the first partnership was broken by Jack Hebblewhite taking the wicket of John Bifield the position became grim and was not helped by the fact that the players were taking refreshments at the conclusion of every eight overs. Only two batsmen reached double figures from then on, they were, Len Adams (21) and Jack Dickson (20), the innings closing with a total of 157. The Social Team set about the job of run-getting in tradesmanlike fashion and with 78 from Fred Bell, 55 from Ken Mott 47 from John Allport and 38 from Sid Talbert, they soon chalked up over 300 runs.

The second social match was played last Sunday between the Electrical Shop and the Machine Shop and the day was anything but pleasant in view of the intermittent rain.

However keen enthusiasm kept the players on the field and the game finished at 3.30 p.m. The Electrical Shop were first to experience the difficulties of fielding on a rain soaked field and the bowling approach was particularly slippery. Reg Larsen had the fitters tied up with his tricky deliveries and what Reg might have done on a fine day is anybody's guess as he finished with 4 wickets for 22 runs. This innings closed with a total of 124.

The fitters took the field with the sole purpose of dismissing their opponents for less than 124 and opened the bowling with John Tickner and Owen Fairbairn. A particularly graceful back-flip was executed by Owen when delivering a ball at the bowling crease and had a steadying effect on future bowlers. After 3 overs however, the Electricians were in trouble having lost 6 men for 30 runs. Jim Mitchell came in and executed some pretty shots adding 21 to the score

S.P.C. CRICKET CLUB.

holding up his end to the last wicket which fell for a total of 78 runs. The Electrical Shop expressed the desire for a return match, feeling that they could put up a better fight under favourable weather conditions.

On Sunday next a match between the Colliery and Berrima Works will take place on the S.P.C. Oval commencing at 10 a.m.

COLLIERY

Graham Beattie
Jack Hebblewhite
Hector McDonnell
Merv Brittle
Fred Bell
Max Thorpe
Les Foodey
Kevin Foodey
Ritchie Knight
Sid Talbert
George Hollis
Eric Winner

BERRIMA

Alan Parker
Don Moore
Norm Austin
John Tickner
Ken Mott
John Jervis
David Hay
Archie Bell
John Coupe
Jim Mitchell
Mark Hauber
Trevor Mott.

Players are requested to appear on time as this match will no doubt take longer than last Sunday's match in view of the high standard which should be displayed by both sides.

Invitations are cordially extended to visitors to attend and provide the "atmosphere" for this match.

S.P.C. HOCKEY CLUB.

The first annual meeting of this club was held at the Hostel on 3rd March.

In view of the number of nominations from prospective players it has been decided to enter two 2nd Grade Teams in the District Competition.

However, the secretary is anxious to receive a few more nominations from players wishing to join this year as the total number

S.P.C. HOCKEY CLUB. (Cont'd).

is still short of two full teams.

Officers elected at the meeting were :-

President; Bert Dickson

Secretary; Ken Noble (Elect.Shop).

The first trial match will be held at S.P.C. Oval on 22nd March and all players are requested to attend.

LADIES HOCKEY TEAM.

S.P.C. Hockey Colours (Red and Green) will be further displayed this season by the inauguration of a ladies hockey team.

At a recent meeting at Mrs. Jack Dickson's home, twelve ladies met to discuss the future activities of this team, Ladies present were :- Mesdames; S. Moore, Ellis, Dunn, M. Moore, Shirlaw, Renington Longhurst, Mordue, Adams, Butcher, Mumberson and D. Mundy,. Mrs. Hutchinson has offered her services as playing coach.

Every assistance will be given this team of ladies by the men's hockey club and we all wish them well and feel sure they will enjoy the season as did the men during their initial season.

DISTRICT TENNIS.

The members of the Medway Tennis Team have shown their ability to play tennis by being up in the first four teams at the end of the competition. We all hope they manage to come through the finals, to be outright winners.

WELFARE NEWSMARULANSCHOOL ADDITIONS.

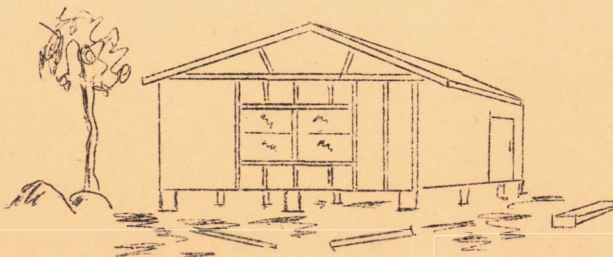
At the present moment the Education Department is increasing accommodation here by the erection of a modern classroom unit 24 ft by 24 ft. This new block will also contain an office and storeroom.

All floors are to be sanded, sealed and treated with clear plastic; the ceilings to have parallel lines of acoustic tiles.

The plans also make provision for a drainage system to clear all excess water from the site.

The new building is going up between and in line with the present school buildings and weather shed and when completed the layout should appear very attractive.

"What!
Another class-
room to fill."



WELFARE NEWS (Cont'd).MEDWAY: THE MEDWAY ROAD.

On Tuesday 23rd February at the Wingecarribee Shire Council Office, a meeting was convened by the District Engineer of the Joint Coal Board.

Representatives from S.P.C., Metropolitan Portland Cement, Berrima Lodge, Moss Vale A.L.P., and Berrima Progress Association were present.

The District Engineer stated the the Joint Coal Board was not in a position to finance any work on the road, but would assist in any other possible way.

The Shire President stated that, the £2,000 allocated out of the loan for road construction would be used to resurface 3,900 feet of the road.

Further avenues are being investigated to obtain finance to complete the resurfacing of the whole length of road.

BERRIMA:

Work is at present being carried out on the enlarging of the S.P.C. Oval to cater for the extensive sporting activities programmed for this year.

IS THIS A RECORD?

Sandy Galloway (Colliery) and his family have a collective total of 64 years employment with S.P.C. The details are as follows:

Sandy Galloway (Colliery Clerk)	30½ years.
Jim Galloway (Marulan Electrician)	15 years.
Roy Galloway (Colliery Lampman)	13 years.
Pat Galloway (Mrs. R. McGregor) Typiste	5½ years.

This is no doubt an impressive record and we would be pleased to hear from any family who has a comparable record.

FISHING NOTES.

Sid Hurst (Colliery) a keen fisherman has taken up arm exercises to enable him to more adequately relate his fishing stories. Sid spends most of his week-ends on the South Coast fishing grounds where he has a notable reputation for being able to 'catch-em' if they're about.

- - -

Rus Greaves (Laboratory) had an exciting few minutes the other night whilst fishing at the Canal. The alarmed shriek of Mrs. Greaves fishing close by, was the first import of trouble. Having hooked into a big one, Mrs. Greaves was having trouble, with only a 10 lb line and fibre glass rod. However, the fish was successfully brought under the gaff and tipped the scales at 15 lbs. Russell's comment when I asked him the extent of his catch was "not a d----- thing".

Well done Mrs. Greaves!

STOP PRESS.SAFETY BONUS GROUPS:

As this issue goes to press the state of the various groups is as follows :-

BERRIMA PLANT12 days ACCIDENT FREE.

MARULAN PLANT 7 days ACCIDENT FREE.

LET'S SEE IF WE CAN KEEP THIS FIGURE INCREASING!!

REMEMBER THE BONUS PRIZES!!

@@@@@@@@@@@@@@@@

PERSONAL PAR'S.HEARD ON THE GRAPEVINE.MARULAN.

Congratulations to Lloyd and Mrs. Veal on the birth of a son on February, 13th.

- - - -

BERRIMA.

John Tickner (Machine Shop) has announced his engagement to Miss Carmel Buckley of Moss Vale. The event took place on Saturday 28th February.

- - - -

Jim Thorpe (Loco Driver) a keen follower of S.P.C. Hockey was recently married. The bride was formerly Miss M. Sullivan of Berrima.

Lionel King (Machine Shop) and Miss Joan Parker formerly of the General Office were married on Saturday 24th January. Our best wishes to this young couple for their future happiness and also our apologies for missing the gun last issue.

MEDWAY.

The Stork has been busy in this area lately having visited the following families :-

To Mr. & Mrs. S. Adams, a daughter Evonne Lorraine.

To Mr. & Mrs. K. Moule, a daughter Vickie Marie.

To Mr. & Mrs. A. Talbert, a son, Peter Alan. Alan and his wife will be moving to New Berrima in the near future.

Our congratulations to these lucky people.

Ron Murchie commences his long service leave on Monday when George Preston returns. Ron plans to spend most of his vacation at the South Coast. Fishing will be the order of the day.

SYDNEY.

Miss Atkinson is holidaying at Blackheath. Our best wishes for a pleasant vacation.

- - - -

GENERAL NOTE: Next month heralds the disappearance of a few faces from the various plants. Quite a number of S.P.C. Employees will be partaking of a 14 day rest at Singleton Army Camp. The annual camp of the 3rd Infantry Battalion takes place from 3rd April to 17th April.

Editor's Note: No correspondence will be entered into as regards the phrasing of the above paragraph.

WATCH YOUR STEP



PORTLAND
SOUTHERN
CEMENT

SPC NEWS

THE MONTHLY NEWSLETTER OF
SOUTHERN PORTLAND CEMENT LTD.

SYDNEY — BERRIMA — MARULAN — MEDWAY

APRIL

VOL 1 No 4
1959

Dear Readers,

We feel that some mention should be made in this issue about the present successful safety record. Readers might feel that SAFETY takes up other pages of this newsletter without having it thrust under their noses on the first page.

The fact is however, that not since January, this year, has 30 days been exceeded. The last record was 32 days in January and 42 days in November of last year.

It is therefore with some justification that we belabour this subject called SAFETY FIRST.

With this good start, 60 days is well within sight and Les Humphries is already stocking up with new tools to swap for Bonus Coupons.

Your next question will most likely be "Where's the new cover?".

We ask you to bear with us for a little longer as production of this new cover is quite involved as far as printing goes. However, it shouldn't be long now.

We are still anxious to obtain information regarding possible news items so don't be bashful about coming forward with likely articles.

Jack Mott is excelling himself with the sporting news and let us say here that we are indeed grateful for his hours spent at home and at the various sporting body meetings to give us this full coverage.

Until next issue

Yours

The Editor.

GENERAL MANAGER'S NOTES.

During March I again visited the Snowy Mountains area to visit the contractors on various projects.

Both the Kaiser group and Thiess Bros are well ahead of schedule and doing exceptionally well according to the Commissioner of the Authority, Sir William Hudson. The rapid progress has caused considerable embarrassment to the Authority which is short of funds because of the progress payments involved and it has had to put back the calling of tenders for the projects on the Snowy - Murray development for several months. You all probably read in the newspapers where the Authority was granted an additional £4,000,000 quite recently to finance the early completion of existing projects.

We are looking forward to finding out the tonnages of cement which will be required in the new projects and it is hoped that "Southern" gets its share.

GENERAL MANAGER.

We feel that some encouragement should be given to the sons and daughters of various members of S.P.C. by mention of their deeds in this paper. No doubt there are other instances of outstanding ability besides those mentioned. Let's have them for future publication!

Phillip Radnidge (aged 13 years) is showing his ability as a swimmer by winning the 100 metres and 50 metres under 14 years events at the High School Carnival recently held at Mittagong. He still holds the record for similar events in the under 13 years group at last years carnival. Cricket is also one of Phillip's achievements and he hopes to be selected for the 1st Grade Team which is scheduled to play against Goulburn High School.

Judith Mulready (aged 12 years) also featured in the swimming honours at the High School Swimming Carnival. Judith was winner of the Juvenile Championship for backstroke and freestyle.

Brian McIntosh (aged 14 years) is showing promise as a first class golfer. After only 7 months as a junior member of the Moss Vale Golf Club his handicap has been reduced to 17. With rounds of 84 and 87 off-the-stick, it is little wonder that he holds two club medals already.

These are impressive records by ones so young and we wish them every success for the future. No doubt we will be hearing more of these young people.

@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@

LIVING is so complicated these days folks don't even worry straight. We:

Worry about the Russians - then get run over by a neighbour.

Worry about radioactive fallout - then get poisoned spraying the flowers.

Worry about the kids running in front of cars - then drag them across the street on the red light.

Worry about crashing in an aeroplane - then fall off a ladder painting the house.

4.

PRODUCTION NOTES - MARCH, 1959.

MARULAN QUARRY.

Limestone.....67,434 tons.
Mullock.....11,779 tons.

In addition to the above figures approximately 10,000 tons of low grade fines were dumped.

Shovel work on the new access road to the 1910 ft. bench was completed, however there is still another 15,000 tons of stone on the floor of the bench to be picked up before No. 1 Menck Shovel can be moved down to the 1790 ft. bench.

BERRIMA COLLIERY.

Coal..... 9,734 tons.

Production per miner was 11.72 tons/shift and 4.75 tons per employee.

During the month it was decided to put on another road at the beginning of April to increase output by 50 to 60 tons per day to compensate for loss of production due to absenteeism which is very high amongst our mining fraternity.

CEMENT WORKS.

Clinker.....20,096 tons.

Both Nos. 1 and 4 Kilns were off during the month for re-lines of the burning zone. Whilst the Kilns were off the opportunity was taken to carry out "B" overhauls on Nos. 1 and 2 Turbo Alternators.

Cement Sales.....22,202 tons

Sales for March were much better than anticipated early in the month, mainly due to increased sales of ordinary works tested cement. It is hoped that the improvement in sales will continue so that our plant can be worked nearer to capacity.

THEIR NATURE, CAUSES AND RESULTS.

Continued from Vol.1 No. 3.

THE DIRECT MAN CAUSES - UNSAFE ACTS.

An unsafe act is any action on the part of a man that increases his chances of an accident. There are thousands of specific unsafe acts, each one increases the likelihood of an accident.

An unsafe act does not necessarily end in an accident. Some may be repeated many times before the accident catches up with the man. Others are so hazardous it takes little repetition before the accident happens. THE POINT IS THAT THE UNSAFE ACT SOONER OR LATER CATCHES UP WITH THE MAN. NO ONE KNOWS THAT IT WON'T BE THE VERY NEXT TIME.

BASIC TYPES OF UNSAFE ACT

- (1) Operating without authority.
- (2) Failure to secure objects etc.
- (3) Failure to warn others or give proper signals.
- (4) Operating or working at unsafe speed.
- (5) Making safety devices inoperative.
- (6) Using unsafe equipment or equipment unsafely.
- (7) Unsafe loading, carrying, etc.
- (8) Taking unsafe position or posture.
- (9) Working on moving or dangerous equipment.
- (10) Distracting, teasing or startling other men.
- (11) Failure to use safety attire or personal protective devices

INDIRECT MAN CAUSES - PERSONAL FACTOR CAUSES.

It is important to understand what is behind unsafe acts. We must appreciate their causes first. These are called personal causes.

The main ones are :-

LACK OF KNOWLEDGE

Many unsafe acts are committed because the men involved do not know better.

6. IMPROPER MOTIVATION

Many unsafe acts are committed because men don't want to do it the safe way. Under some conditions men are willing to take a chance. Some of these are :-

Acting Unsafely to:-

Save time and effort.

Promote physical comfort.

Gain group approval.

Gain attention.

Behind all of the motivation causes of unsafe acts lies a key factor. Lack of Conviction.

MEN TAKE THE UNSAFE ALTERNATIVE BECAUSE THEY ARE NOT CONVINCED AN ACCIDENT WILL FOLLOW.

REDUCED MENTAL OR PHYSICAL CAPACITY.

Defective vision or hearing, weakness or dizziness as an aftermath of illness. Fatigue, malnutrition and alcoholism.

SOME OTHER CAUSES.

Preoccupation with worries about money matters, illnesses, family problems etc. Dissatisfaction with his work or the way he is handled by his Foreman.

THE JOB CONTRIBUTING FACTORS - UNSAFE CONDITIONS

An unsafe condition is any condition in the physical surroundings of the man that increases his chances of an accident.

MAJOR KINDS OF UNSAFE CONDITIONS.

1. Improper guarding.
2. Defective objects.
3. Inadequate warning systems.
4. Hazardous arrangement or storage.
5. Hazardous standard procedures.
6. Improper illumination, ventilation etc.
7. Hazardous dress or apparel.

- (1) Actions of employees.
- (2) Deterioration through use.
- (3) Inadequate designing.
- (4) Omission of the safety angle in engineering and maintenance.

are the four major factors behind unsafe conditions.

(C) THE RESULTS OF ACCIDENTS.

ACCIDENTS AND THEIR RESULTS ARE NOT ONE AND THE SAME.

The unexpected physical contact and the consequences of that contact are two separate and distinct happenings. It is not the causes that determine the results. It is the particular circumstances that surround the accident. These may be in the man side or the job side.

ALL ACCIDENTS ARE IMPORTANT.

All should be studied to prevent future ones of the same kind. The results of an accident should not determine whether we regard it as important or not because the results may vary.

THE INDIRECT RESULTS OF ACCIDENTS.

The indirect results of accidents affect many people - the man and his dependents, his fellow workers and the Company.

MAN AND HIS DEPENDENTS.

Pain, hardship, grief, insecurity.

FELLOW WORKERS

Work performance can be effected for days, even weeks afterwards.

THE COMPANY.

Some men may react with resentment because they feel the Company has been neglectful. The fact that no such neglect may be involved does not prevent some persons from thinking so. Its reputation in the community at large may suffer. It becomes the target of blame which has no basis in fact. Large numbers of accidents do affect the morale of employees, and the Company suffers a loss when this occurs.

8.

SAFETY FIRST.

BERRIMA.

MARCH SUMMARY.

NIL ACCIDENTS!!!

MARULAN.

Two lost time accidents occurred during March.

At the moment the overall accident free period for Marulan Plant stands at 8 days.

MEDWAY.

Three lost time accidents occurred during March involving the following personnel :-

Harold Duncan had a fall whilst entering the magazine. He sustained an injury to the back.

Harry Swinbourne was most unfortunate in falling and breaking his leg. We wish him a speedy recovery.

Bobby Ford sustained an injury to the arm requiring 12 stitches. Apparently he was hit by a 'flying window pane' or "were you shadow boxing Bob?"

@@@@@@@@@@@@@@@@@@@@

WORTHY OF MENTION.

The General Office, Drawing Office and Laboratory Group have attained 12 months accident free period and are on the way towards making it 2 years. The figure stands at 372 days and this group has received the usual bonus. Several other groups are approaching the 12 months period and will benefit by a revaluation, in the near future, of this particular bonus. From what we hear, it will be worth striving for by these other groups.

@@@@@@@@@@@@@@@@@@@@

GLASS EYES.

They might look good, but they can't see
You can buy them in any colour, but the man
who wears one sees no colours through it.
Glass eyes need no protective goggles - Ask a
one-eyed man whether that's any advantage.
If you still don't believe in eye protection.
READ THIS AGAIN - WHILE YOU CAN. "See Gee".

GOLF.

Bill Saker and John Tickner, holders of last years Jordan Cup, will meet local players in a four ball stroke event at Moss Vale Golf Club in the near future.

Being a knock-out event, a total of 5 rounds will be played to decide the outright winners. Good luck Bill and John in your first round!

CRICKET.

The cricket season for S.P.C. was concluded during the past month when the 1st Grade Team was eliminated in the district finals by the Moss Vale 1st Grade Team.

At the conclusion of the first days play, S.P.C. seemed to have a fair chance having dismissed seven of the Moss Vale batsmen and were trailing by only 20 runs. However, on the following Saturday, the task of taking the wickets of the remaining 3 Moss Vale batsmen, proved beyond the S.P.C. bowlers. The ultimate result was an outright win for Moss Vale.

To gain their place in the finals, S.P.C. played some very fine games in which a number of batsmen made some excellent scores. The team also captured the wickets of some of the district's best batsmen, often for very low scores. Their failure can be put down to rather scratchy fielding at times, together with the fact that their proven batsmen unfortunately did not all get going during any one match. Nevertheless, the potential is there and only requires closer teamwork to achieve success. We wish them better luck for next season

The social match between the Colliery and S.P.C. Works played on 8th March proved to be the keenest and most exciting game of the year. Both teams were confident of success and although Social Rules were adopted for the days play, this fact did not detract from the keenness displayed by them throughout the match.

The Colliery batted first and the prize for the first "duck" was collected by their opening batsman, George Hollis. The prize was donated by the Hostel Manager, Bill Smith, and was in the form of a

CRICKET.

freshly dug potato weighing 3 pounds. Undoubtedly George had baked potato with his duck! At one stage the Colliery team were seven wickets down for less than 50 runs. However, Jack Hebblewhite and Sid Talbot got going in the latter stage of the innings, Sid adding a valuable 18 whilst Jack went on to score 46 not-out. The innings concluded with 135 runs on the board. Best bowlers for the Works were John Jervis, 3 for 11, John Tickner, 3 for 18, and John Coupe, 2 for 18.

S.P.C. went in to bat determined to pass the Colliery score of 135, but when opening batsman John Tickner was dismissed for the proverbial "duck" the situation looked a bit grim. However, Ken Mott took a determined stand against the attack and although he gave a couple of chances during his innings, he went on to score 53. He was finally dismissed by Kevin Foody, who caught and bowled him. This catch is worthy of mention as it was a particularly hard straight drive at about chest height and was beautifully snapped up by Kevin at mid-wicket.

The tenseness in the game was now very apparent when Kevin Howard came in as last man to face the bowling with only ten runs needed to record a win. Kevin proved a surprise packet in his handling of the bat and hit 3 boundaries to clinch victory before being dismissed by Jack Hebblewhite.

The two innings finished rather early so it was decided that each team would bat a further $1\frac{1}{2}$ hours each to decide the issue. Some lofty hitting was witnessed by the large number of followers present, Proof of this is the fact that an aggregate of 300 runs was made during the 3 hours of play. This is cricket at it's best! Final figures were Colliery 136 and Works 164.

A return match was requested, but could not be arranged on the suggested date. The subsequent preparation of the oval for the football season prevented any other dates being chosen.

HOCKEY.

The S.P.C. Hockey Team had their first trial run during the month when they were invited to Moss Vale to play "Warriors". The roll-

HOCKEY.

up was a little disappointing as it is the wish of the club to enter two teams in this seasons competition. Once again it is pointed out that intending players are asked to attend these trial matches. The next trial is therefore arranged for Saturday 4th April and will be played on the S.P.C. oval against "Wanderers" of Moss Vale. Play will commence at 2 p.m.

LADIES HOCKEY.

The committee of the Ladies Hockey Team is busily raising funds necessary to start the new club. They are confident that their efforts will be successful and the team will be known as "S.P.C. Rozellas". They are also keen to have the assistance of the men's Hockey Club in the initial stages and also that of any of the other S.P.C. sporting bodies.

FOOTBALL.

Among the new faces to be seen around S.P.C. Works are those of some keen football enthusiasts. Tom Davis has come to Moss Vale from Newcastle and will be captain-coach for the Moss Vale team. Tom played for Northern Suburbs in Newcastle and on his initial appreciation of the team's form, he forecasts a good season for the club.

Another newcomer is 'Bluey' Rawlinson who came up from Shepparton (Victoria) and will strengthen the forward line of the Berrima team. The team had their first season last year and acquitted themselves really well. They will no doubt profit from this experience and should make their presence felt in this year's competition.

@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@

MARULAN.

CRICKET.

Apparently the Marulan Cricket Team have been having a certain amount of success this season.

The details were unavailable this month, however, a full description of the events will be included next month.

SICK AND ACCIDENT FUND.

Once again the committee of this Fund wish to draw the attention of non-subscribers to the fact that the fund is run by the employees for the benefit of persons absent from work due to injury or sickness.

The material help offered is in the form of payment made during their period of incapacity and it is fairly obvious that the greater the number of subscribers, the greater will be this material help.

Application forms and full particulars are available from Les Humphries (Employment officer) or Jack Wall (Electrical Shop).

@@@@@@@@ @@@@@@@@@ @@@@@@@@@

ANOTHER COMPETITION.

The B.H.P. Review is conducting its 2nd essay competition for boys and girls in Australia on the "Development of Secondary Industry in Australia".

Prizes will include :-

A Boy's or Girl's Safety Bicycle, a Portable or Mantel Radio Set, a top quality Tennis Racket or Cricket Bat, a "Meccano" Set, and other suitable prizes.

Entry forms for this competition may be obtained on application to the Quarry Office, Colliery Office and Works Employment Office and should be sent to the General Manager, Works Office, Berrima not later than Friday, 22nd May, 1959.

@@@@@@@@ @@@@@@@@@ @@@@@@@@@

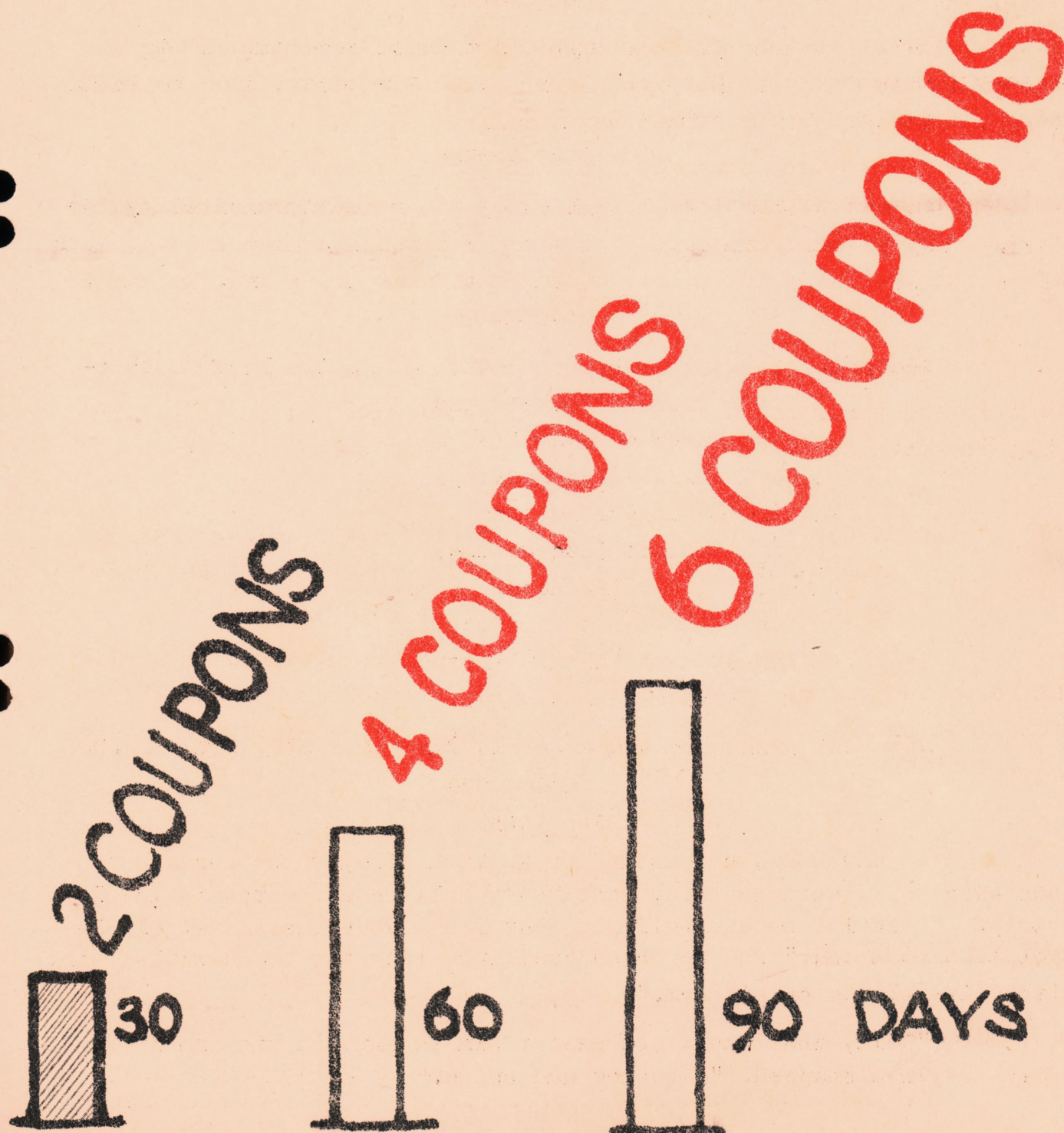
STOP PRESS.SAFETY BONUS GROUPS.

As this edition goes to press the State of the various groups is as follows:-

BERRIMA PLANT39 days accident free
MARULAN PLANT 9 days accident free

NEED WE SAY MORE !!

WE CAN MAKE IT!



PERSONAL PAR'S.BERRIMA.

John Long (Machine Shop) announced his engagement to Miss Betty Jeffries of Moss Vale on Friday 20th March. Congratulations Betty and John.

@@@@@

Brian Whatman (Laboratory) was married recently and is at present honeymooning at Surfers' Paradise. Our best wishes to Brian and his bride for their future happiness.

@@@@@

Rupert Rainer (Electrical Shop) was recently visited by the Stork. Rupert was presented with a son and reports have it that both mother and son are doing well. Congratulations Mr. & Mrs. Rainer !

@@@@@

The following new employees commenced duties last month :-

George Brooks (Power House)
 Peter Dawes (Production)
 Jim Cavanagh (Production)
 Kevin Lewis (Production)
 Horrie Whalan (Stockhouse)
 Bryan Furphy (Production)
 George Rawlinson (Production)
 Mick Skinner (Machine Shop)
 Tom Davis (Machine Shop).

Our best wishes to these people for their stay with S.P.C.

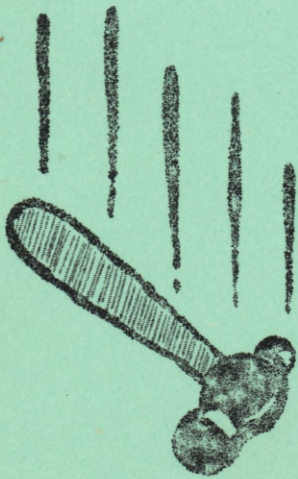
@@@@@

SAND TRAP.

An unusually understanding English wife, whose husband had been away on a business trip, received a call from the town's local gossip. "I feel I should tell you that I saw your husband at Blackpool last week end," she reported "walking along the beach with a very attractive blonde on his arm."

"Well, what would you expect him to have on his arm at his age?" the wife snapped. "A bucket and spade?"

**DON'T TAKE THE RAP
WEAR A SAFETY HAT**



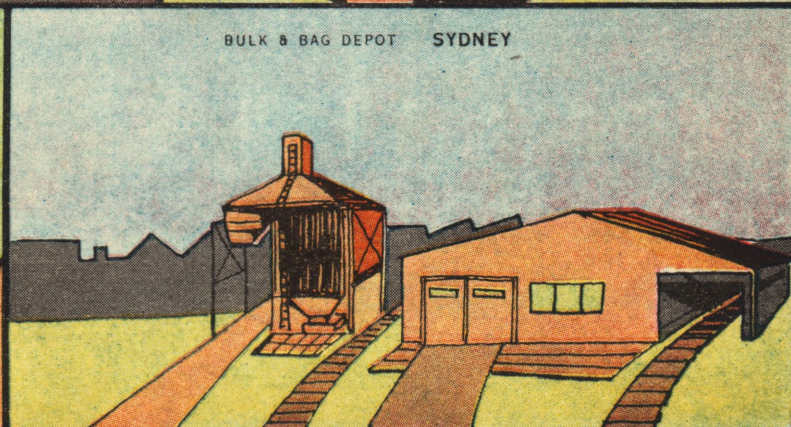
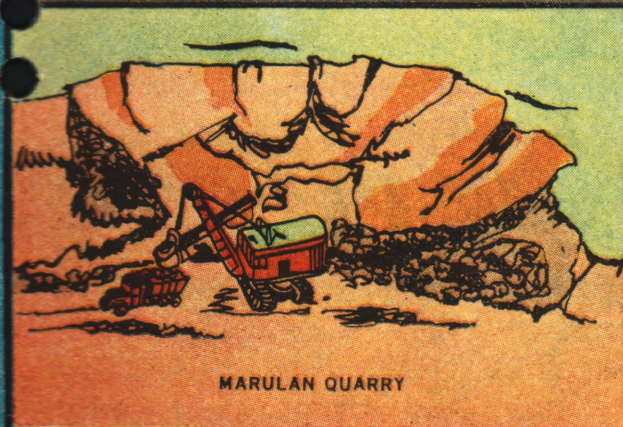
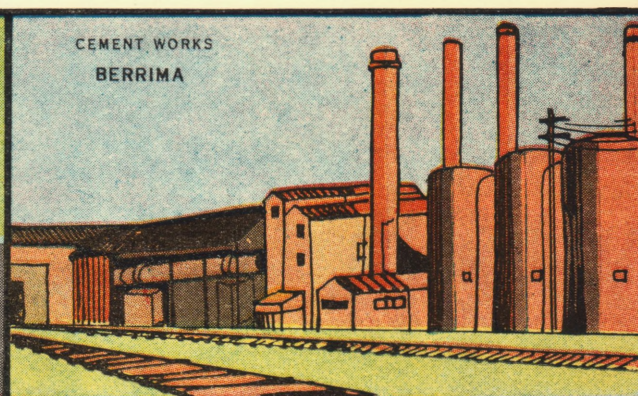
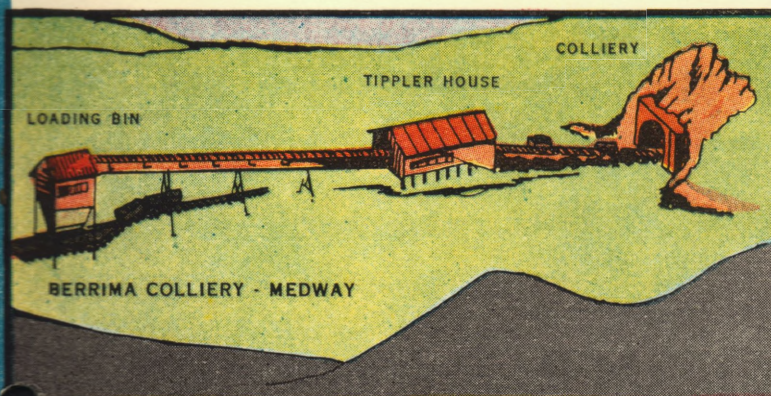
*Who-me?
I've never been
hit yet*



June 59

S. P. C.

MONTHLY NEWSLETTER



MEDWAY - MARULAN - BERRIMA - SYDNEY

Dear Readers,

The long awaited cover has arrived and it is hoped that the general appearance meets with approval from our readers. The advent of this colourful representation of the S.P.C. network marks another step in the improvement of the newsletter and furthermore it is a combination of the successful entries in the cover competition conducted in our first issue.

We are still looking for feature articles from our readers. An example of the type of work we would like was Mr. L. Cooper's article last month. The length of the article is relatively unimportant as it could always be serialised if lengthy.

S.P.C. Employees seem to be most prominent in the sporting activities throughout the district and furthermore they are very successful in almost all the various sports. How about somebody trying their hand in the literary field!! Maybe there are hidden talents in some. What about a few articles like "The Passing Parade as seen from a Travelling Crane" by "Penny Tomfold" or "Down Under" by "Black Bob Thorpe" or "The Rock Hoppers" by "Limey".

The overall safety first picture throughout the various plants is undoubtedly on the improve. It is pleasing indeed to see that there is emerging a competitive spirit in regard to who can establish the highest number of accident free days.

Yours

The Editor.

2.

GENERAL MANAGER'S NOTES.

You may feel that the Company is flogging the Safety First issue rather hard at the present time, but working safely has a double barrel effect. The employee does not suffer lost time and consequent reduced earnings from avoidable accidents, and the Company has the services of the employee who would otherwise be loosing time.

The effect on morale is also considerable, especially for the family of the employee.

The result of the drive has been that Berrima has achieved quite a number of accident free days exceeding 30 days, whilst Marulan has now exceeded 30 days for the first time.

This progress is most heartening and fully justifies our policy of Safety First.

GENERAL MANAGER.

Last Friday marked another milestone for Jim Wilkins (power House), the occasion being his retirement from the Company after 30 years service.

Jim joined the Company in 1929 as an Engine Driver at Marulan during the early construction days and later moved to the Berrima Works where he has been ever since.

Ships have played a big part in Jim's life for at the age of 21 he was signed on as a Junior Engineer on the S.S. "NESS", a Mercantile Steamship Coy freighter of 5000 tons calling at all ports throughout the world. He later joined the P & O Steamship Coy. as Chief Engineer on the India and Far East run.

At the outbreak of war (1914-18) he enlisted in the Royal Navy and saw most of his service as a Sub-Lietenant on Destroyers. He was torpedoed on numerous occasions the most noteable mishap occurring in the Mediterranean. He was the last man to leave the ship having been delayed in the Engine Room. He was picked up by a Japanese destroyer and was eventually disembarked at Marseilles.

In 1925 the Wilkins family migrated to Australia and finally settled in the Berrima District towards 1929. Jim has seen much progress around the Works during his long term with S.P.C.

The Company took recognition of Jim's long and faithful service by presenting him with a bonus in keeping with his period of service. Fellow workers also kicked in for a presentation which was given to Jim by Ernie Radnidge at a small function conducted in the Power House.

Mr. Knight made the presentation on behalf of the Company and conveyed the good wishes of all for Jim's future happiness.

It is no doubt with some misgivings that Jim takes his leave from S.P.C., but we all wish him well and feel that Jim will not be so very far away from us.

To keep him posted as regards S.P.C. Happenings we are putting him on the mailing list for the "S.P.C. NEWS". Jim might indeed find time to write an article on some of his exciting experiences.

4.

PRODUCTION NOTES - MAY, 1959.

MARULAN QUARRY.

Limestone.....77580
Mullock.....42662

In addition to the above figures 8,940 tons of low grade fines were dumped.

1910 ft. bench was completed, for good some of us hope, and the No. 1 Menck moved to 1790 ft. bench. This has allowed the Marion Shovel to work on the south road full time. This road is scheduled to be completed by the end of this year so that new quarries can be opened up on the southern end of our leases.

BERRIMA COLLIERY.

Coal.....11726

Production per miner was 11.40 tons/shift and 4.91 tons per employee.

Another road was put on during the month to increase production and compensate for the high absenteeism which is prevalent.

CEMENT WORKS.

Clinker.....21989

All kilns were off during the month for brick repairs, No. 3 Kiln for a week. No. 1 and 3 Kilns made Low Heat Clinker for the full month whilst No. 4 Kiln continued on ordinary.

Cement Sales.....22184

Sales for May were not as good as for the previous month, however they are expected to go along about this rate for the next few months and then pick up in spring.

SAFETY FIRST COMPETITION.

Results of an Australia wide safety competition were recently published by the Cement & Concrete Association of Australia.

We are reproducing these results for the 1958 year and it is heartening to see S.P.C. in fifth place on the list for the Works Section. Present indications incline us to believe that S.P.C. should be on top of the list for 1959. Let's make the effort!

WORKS SECTION:

Cockburn Cement Pty. Ltd.	FIRST	29.25
Australian Cement Ltd.	SECOND	69.94
Kandos Cement Co. Ltd.	THIRD	71.20
Adelaide Cement Co. Ltd.		116.84
Southern Portland Cement Ltd.		145.56
Queensland Cement & Lime Co. Ltd.		193.17
The South Australian Portland Cement Co.		233.61
Swan Portland Cement Ltd.		337.57
Gippsland Industries Ltd.		342.76
The Commonwealth Portland Cement Co. Ltd.		345.50
North Australian Cement Ltd.		504.22
Standard Portland Cement Co. Ltd.		806.83
Goliath Portland Cement Co. Ltd.		1837.84

QUARRY SECTION:

The South Australian Portland Cement Co.	FIRST	NIL
Adelaide Cement Co. Ltd.	SECOND	1.85
Goliath Portland Cement Co. Ltd.	THIRD	15.81
Standard Portland Cement Co. Ltd.		17.69
Swan Portland Cement Ltd.		21.22
North Australian Cement Ltd.		38.31
Kandos Cement Co. Ltd.		63.14
Australian Cement Ltd.		65.68
The Commonwealth Portland Cement Co. Ltd.		99.99
Southern Portland Cement Ltd.		622.56
Cockburn Cement Pty. Ltd.		1214.75

Continued from Last Month.

(4) ELIMINATE THE POSITIVE OF THE UNSAFE ACT.

As a rule, this is automatically taken care of when the negative feature of the safe act is eliminated. Sometimes a specific attack on the problem of eliminating the positive in the unsafe act is required. Take the case of the man who resorts to unsafe acts to attract attention to himself. One technique to discourage undesirable attention seeking behaviour is to ignore the behaviour. Another technique is to give him recognition when he has done something positive and constructive.

(5) ELIMINATE DEFECTIVE CAPACITY.

Some unsafe acts are the result of a defective capacity condition of a man. Poor eyesight, hearing, missing limbs, lack of co-ordination or a temporary physical condition such as stiffness, sunburn etc. It could be a mental condition such as personal problems, or emotional upset. When defective capacity is suspected the best thing that can be done is to discuss the matter with your superiors.

ELIMINATION OF UNSAFE CONDITIONS.

The Strategy:-

- (1) Eliminate by corrective action unsafe conditions.
- (2) If possible, remove the underlying causes of unsafe conditions.

Where you have the authority to correct unsafe conditions, do so. Where you have neither the authority or ability to report such conditions and request their correction. It remains your responsibility to follow-up your request until the condition has been corrected. The same reasoning applies to removing causes of unsafe conditions.

Look for more than one man or job cause. Don't stop looking after you have identified the first one. A further look may turn up some more.

A complete job of actual causes analysis means also getting at the indirect causes.

- (1) Identify the causes of unsafe acts.
- (2) Identify the causes of unsafe conditions.

Some notes applicable to these are included under potential cause analysis.

The second strategy rule is

CAUSE ELIMINATION STRATEGY.

This calls for continuous effort to determine potential and actual causes. It calls for continuous effort to eliminate whatever potential and actual causes are determined.

ELIMINATION OF UNSAFE ACTS.

In chapter 1 reference was made to three kinds of causes of unsafe acts. What in general can be done to eliminate them.

LACK OF KNOWLEDGE OR SKILL.

Elimination of this cause requires effective job safety training. It must deal with the concrete details of the work men are required to do. If this training is effectively carried out, many unsafe acts will no longer occur.

IMPROPER MOTIVATION.

Many unsafe acts are committed because men for various reasons prefer the unsafe way.

ANALYSIS OF THE MOTIVATION PROBLEM.

Consider a man who has the alternative of choosing either the safe way or the unsafe alternative. What choice he makes depends on how he sees and interprets the two alternatives.

SAFETY FIRST.BERRIMA.

Nil accidents!!

Furthermore, Production "C" Safety Group reach 365 days accident free. More details about this group next month.

The overall plant figure at this date stands at 40 days.

MARULAN.

Nil accidents!!

This is a very fine effort in view of the fact that the Quarry has been dogged by bad luck with accidents.

The overall plant figure at this date stands at 35 days.

MEDWAY.

Four accidents occurred at the Colliery during the month and it would appear that most of them happened through lack of fore-sight on the part of the individual.

Nevertheless the overall picture seems to be on the improve and we look forward to next month's results which we feel will be even better.

SUGGESTION COMMITTEE

Another announcement this month is the formation of Suggestion Committees to receive and evaluate suggestions from the employees. Any suggestions you might have on methods, operations, equipment etc. should be lodged in the box provided at the Employment Office and General Office and if your ideas are put into practice an appropriate award will be made by the Company.

The Committee comprises :-

BERRIMA.

Mr. Knight (Chairman)

Mr. Mitchell

Mr. Schott.

MARULAN.

Mr. Veal

Mr. Cluney

COLLIERY.

Mr. Hole,

Mr. Hilton

Mr. Griffiths.

HOCKEY.

The two S.P.C. teams are gradually being brought up to strength and the fielding of two teams should be possible at their next engagement.

The No. 1 team are as yet undefeated in the competition despite the fact that they have been obliged to play one and sometimes two men short in their previous matches. With a full team now available they should go on to win the district 2nd Grade competition.

Most of the players of No. 1 team are playing good standard hockey but special mention should be given to the three younger players of the team namely Peter Mott, Ray Mordue and Ian McLaren. All of these young players are performing really well and it must be heartening to the club to see such keenness.

Terry Saker is working hard on No. 2 team who are showing great improvement. Terry is one of the few experienced players in this team and feels sure that they will be able to acquit themselves well in the next round of the competition.

A newcomer to the game is Donny Moore who seems to be a bright prospect for his team. His two brothers, Jimmy and Kevin, have also taken up the game and it appears likely that this family of sportsmen will do as well with hockey as they have done with Rugby League in which the six brothers play.

FOOTBALL.

The Berrima Football club has been dogged with a lot of bad luck of late in respect to injured players. At their last two matches they had, at one stage, six injured players on the sidelines when their presence on the field would no doubt have altered the picture on the scoreboard. However, they are by no means out of the competition and with all the injured players on the mend they are looking forward to better results in the future.

BOWLS.

Looking through the results of the club championships at Moss Vale Bowling Club we find quite a few S.P.C. employees among the finalists.

Jim Dray and Bill Rutter are to fight out the final of the singles championship. Both these players have proven ability and a keen contest is assured when they meet.

In the minor singles championship we find Harold Sheather and Jack Mott likely to fight out the issue. Harold is having his first year in this popular game and to reach the final in this short time is no mean effort.

BASKETBALL.

In this fine winter sport we find S.P.C. at the head of the competition and further improvement is likely as this season is the first for most of the players. They have been handicapped to some extent in not having a ball with which to practice, but the Company has kindly donated this most important piece of equipment and the team has arranged to practice on the tennis court owned by the Progress Association.

@@@ @@@@@@@@@@@@@@@@

One of the old brigade of S.P.C. cricketers, Lance Dawson, terminated his employment with the company after 18 years service. During his early days here, Lance proved to be one of the district's best wicket keepers and he played in district matches on 8 occasions.

Lance is now residing on the South Coast and the many friends he left at S.P.C. wish him well in his new surroundings.

@@@ @@@ @@@@@@@@@@@@

A newly formed Rifle Club, run by the local C.M.F. Unit is made up of more than 50% of S.P.C. Employees. For some of the members it is a totally new and unfamiliar sport, but one which has captured the imagination of all who participated in the club's first shoot last Sunday. Of those who attended, David McLaren and Terry Saker gave the best performances and Joe Sluyter was so keyed up that he slipped a few shots out of the Bulls' Eye, but finished with a creditable score for his first time up. This Sunday should see a vast improvement and a better attendance.

@@@ @@@@@@@@@@@@@@@@

HEARD ON THE GRAPEVINE.

BERRIMA.

Two welders' labourers said "I do" at respective wedding ceremonies during the month. First to take the step was George Vinicombe (Power House) on Friday 15th May. The bride, formerly Miss Heather Fairall, is the daughter of Jack Fairall, well known secretary of Berrima District Tennis Association. The couple will reside in Moss Vale.

@@@@@@@@@@@@@@@@

Closely following George was Johnny Doyle who married Miss Iris Nevill of Kangaroo Valley on Saturday 16th May. Both boys received a useful gift from their workmates to mark this very important occasion in their lives.

To both of them we extend our best wishes for their future happiness.

@@@@@@@@@@@@@@@@

Alf Sanden (Production) is spending a short stay in hospital. We all wish him a speedy recovery.

@@@@@@@@@@@@@@@@

Bill Saker has returned to work after a bout of pneumonia which took him to hospital. Hope you have fully recovered Bill!

@@@@@@@@@@@@@@@@

Tom Newstead (Stockhouse) has been discharged from hospital but is still recuperating at home and will be back at work in the near future.

@@@@@@@@@@@@@@@@

The following New Australians (Now Aussies) have completed 10 years service with S.P.C. :-

John Zaranski (Lab. Assistant)

Steve Bandura (Burner).

Hans Namavirs (Rigger).

@@@@@@@@@@@@@@@@

The following new employees commenced duties with the Company last month :-

George Bunt (Production)

Eric Davis (Stockhouse)

Peter Wake (Production)

Ron Steen (Production)

Our best wishes for their future success.

A DAY TO REMEMBER.

Christmas Day, Good Friday, birthdays, wedding anniversaries ... these are all very special days to remember.

But there can be many more, and such extra ones are often provided by occasional week-end or day trips within this country of ours.

In every State of the Commonwealth and in the islands of the Pacific also, are many places of historical, cultural and industrial interest which can be suitable destinations for trips away from ordinary week-end activities.

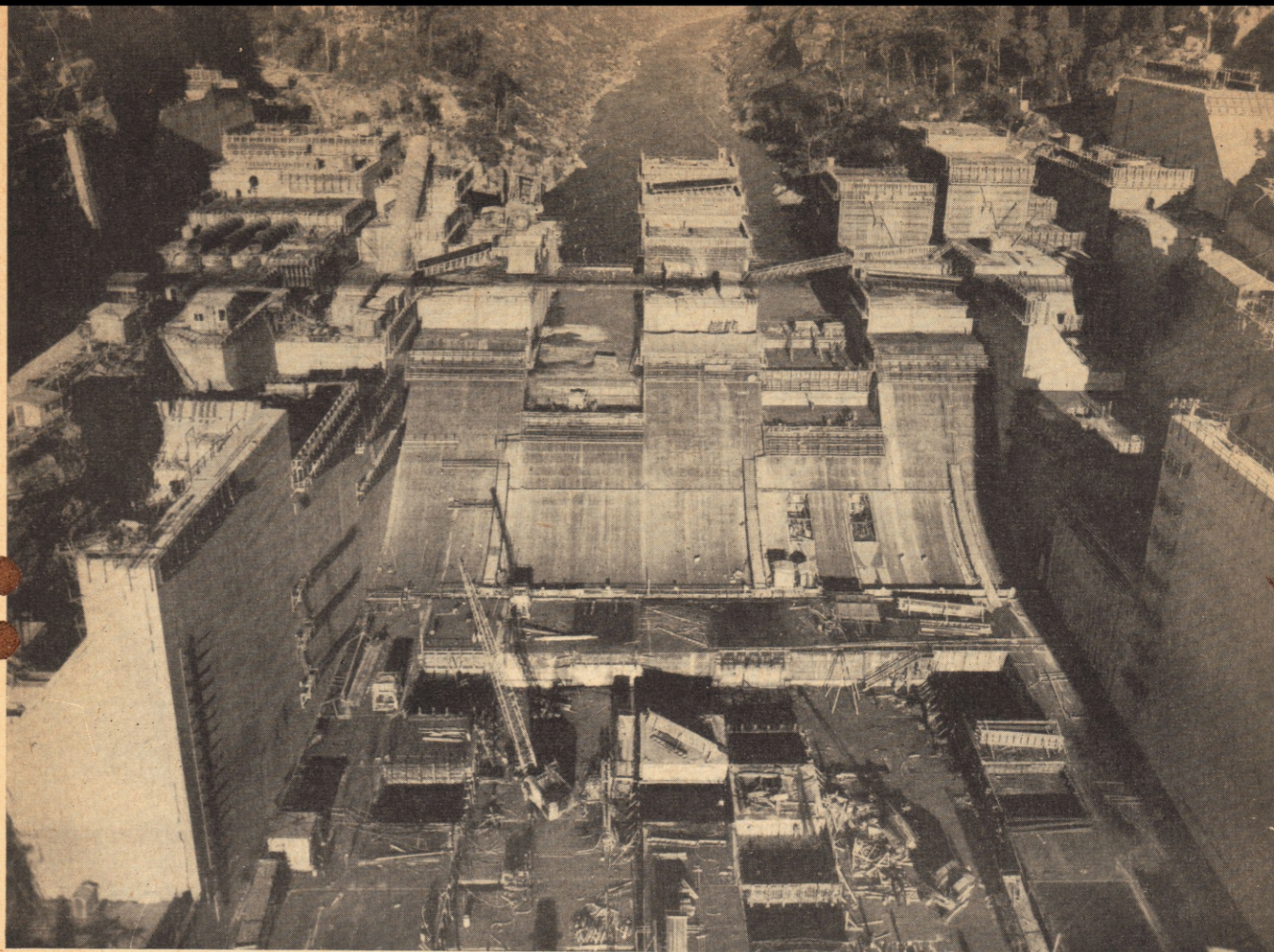
High on the list are the reservoirs.

There is a rather special fascination about reservoirs and their dams or weirs that rarely fails to excite interest and provides a topic of conversation for a long, long time. The immensity of some of these works serving a city or a country district with water and perhaps providing electric power never fails to grip the imagination, while at the same time the natural beauty of the surroundings usually commands our attention and appreciation.

Many of our great reservoirs have been in existence for some considerable time. The small but beautifully sited Cotter Dam, which supplies Canberra, is a case in point. Others like the huge "Inland seas" in the Snowy Mountains Hydro-Electricity Scheme are still under construction. But wherever they are, Australia's reservoirs are already rich in history, legend and educational interest.

Near Williamstown, in South Australia, for example is a reservoir whose concrete wall affords special interest and delight because of its unique acoustic properties. This is the Barossa Reservoir, famous for its "whispering wall" where, if one stands at one end and speaks quietly the message may be heard quite distinctly at the other end some hundreds of yards away.

In Western Australia, Mundaring Reservoir commands one's interest from a different angle. Apart from supplying the needs of Perth, the Mundaring Reservoir keeps Kalgoorlie's gardens lush and green 346 miles away. The great pipe-line that connects Kalgoorlie with Mundaring was built near the turn of the century, and assisted



WARRAGAMBA DAM, NEW SOUTH WALES.

Pictured above is the Sydney Water Board's massive Warragamba Dam, now under construction near Wallacia, about 40 miles from Sydney, which will augment the present storage capacity of Sydney's water supply by 460,000 million gallons - more than $3\frac{1}{2}$ times the total capacity of the city's existing storages and nearly 4 times the volume of Sydney Harbour. Estimated to cost about £34 $\frac{1}{2}$ million, the dam is scheduled to be completed later this year.

The dam, which will rise about 400 feet above river bed level, will be the highest in the Southern Hemisphere.

About $1\frac{1}{2}$ million cubic yards of concrete will be used in the wall, which will taper up from a base about 350 feet thick. More than 1 million cubic yards of concrete have already been laid using S.P.C. Low Heat Cement. (274,000 tons).

very greatly in the development of Western Australia's gold production. Historically, Mundaring is associated with tragedy: C.Y. O'Connor, who conceived the idea of supplying the Goldfields by pipe-line, became so affected following the scorn and criticism concerning his project that he took his own life.

At Eildon, in Victoria, the interest is of a different nature. A large area of shallow water and a weir below the spillway serve to regulate the quantities of water required for irrigation in the Goulburn Valley. But the same sheet of water may be used in the near future for aquatic sports including outboard motor racing. Some of the adjacent land has been developed for the use of tourists; and the motels, playgrounds, and cafes built there all provide a carefree atmosphere. On the reservoir proper a ferry service enables visitors to explore its main arms and their numerous bays and inlets.

Dam building always interesting:

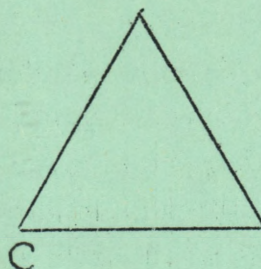
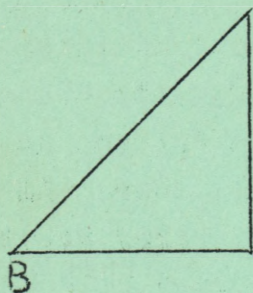
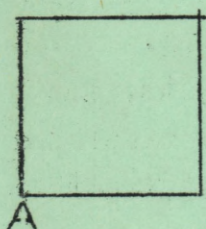
The building of a dam or weir or spillway is always interesting and the contractors usually provide special facilities for tourists to view the work in progress. For example, the Snowy Mountains Hydro-Electric Authority provides a series of conducted tours in order that this huge £400 million scheme may be fully understood. A visit to Adaminaby and Guthega dams, the driving of tunnels through solid rock deep underground, the ceaseless movement of great earth-moving machinery and vehicles, all these are never-to-be-forgotten sights.

Much pleasure at little cost:

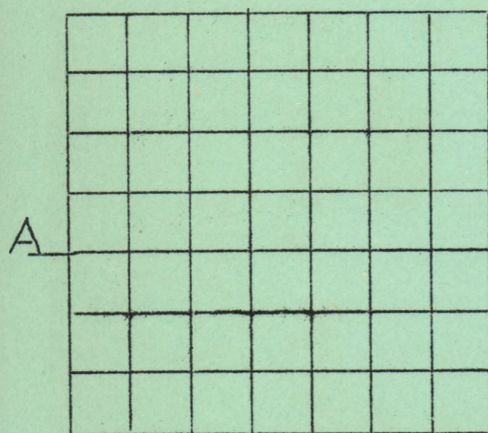
All over Australia, in New Guinea and in other centres of the Pacific also, reservoirs being built for purposes of water conservation or the production of electric power provide grand opportunities for young and old to obtain glimpses of the great progress being made with capital works which will assist in raising our primary production and power resources to higher levels. Another important thing also is that a "Reservoirs Trip", no matter in which State it is taken, yields a degree of pleasure out of all proportion to its cost.

A few gallons of gasoline, an early start, a picnic meal by the wayside, snapshots of the family by the dam, and the glorious vistas and scenic beauty of such a trip make a "Reservoirs" day in all truthfulness, a day to remember.

It is proposed to run a problem page in each issue from now on and two problems will be presented each month. A prize of 10/- for each problem will be awarded to the first correct entry opened. Solutions are to be sent to The Editor, S.P.C. NEWS and can be lodged at any of the foremen's offices or direct to the General Office. A separate envelope should be used for each problem and The Editor's decision must be accepted as final.



PROBLEM 1. Three farmers have one-acre fields, one square, one a right-angled triangle with two equal sides, and one an equilateral triangle. Find (to the nearest inch) the length of rope each requires in order to tether a goat at the points ABC so that each goat can graze exactly half the area of each field.



PROBLEM 2. The accompanying squared grid represents, say, a road system, the distance between adjacent crossings, junctions, and crossings and junctions being one mile. Start from the point A and travelling once only along any road, what is the maximum distance a motorist can cover in making fifteen turns?.

SYDNEY VISTOR.

Mrs. Bishop (General Office) will be sadly missed over the next six months. Beth has taken leave from the Company to look after her brother's children whilst he is overseas.

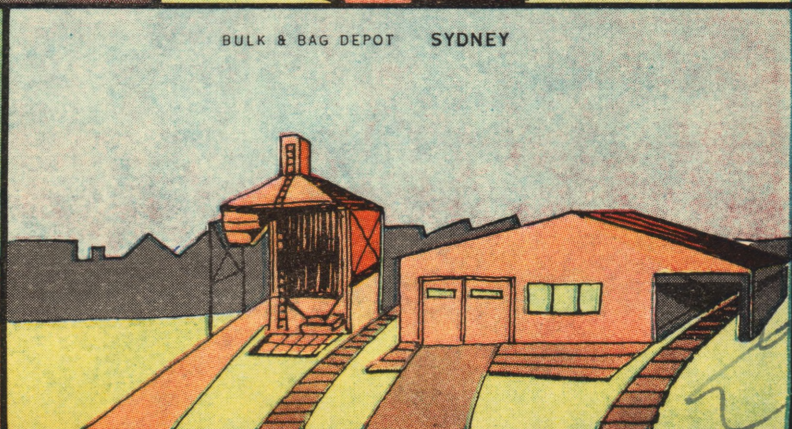
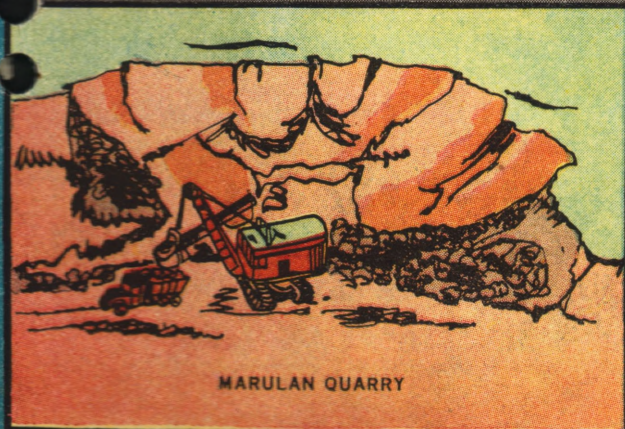
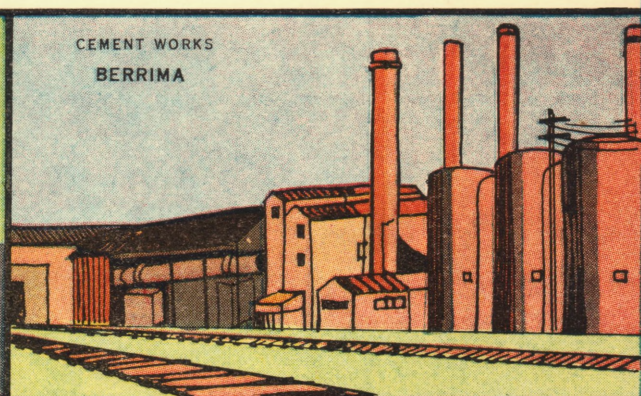
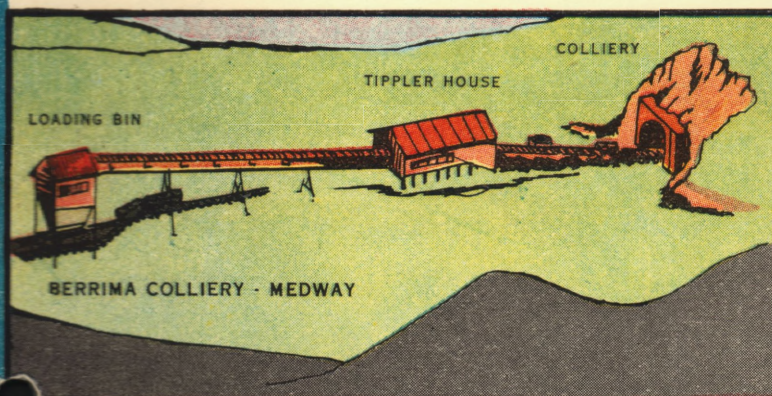
Avalon (Sydney) is her new abode and a more beautiful spot would be hard to find. Not to be deprived of her hobbie, Beth has had her horse floated to Avalon and no doubt he will enjoy the change also. We are expecting a good article for the News from Beth on her prolonged Sydney visit. Best of luck Beth from all at S.P.C.

@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@

STOP PRESS.

S. P. C.

MONTHLY NEWSLETTER



MEDWAY - MARULAN - BERRIMA - SYDNEY

Dear Readers,

The introduction last month of our problem page created a great deal of interest among readers and a large number of entries was received. Results of the competition will be found on this month's problem page.

Safety has again come to the fore as a result of a decline in the excellent figures we were producing. To maintain a high standard of safety, employees MUST be safety conscious ALL the time.

You often hear caustic comments directed at the Company with regard to the amount of dust' emanating from the Works and being distributed over the surrounding countryside.

Let us give you a quotation from a character who had a similar grouch in London many years ago.

"That this Glorious and Ancient City should so wrap her stately head in Clouds of smoake and Sulphur, so full of Stink and Darknesse, I deplore with just indignation," so wrote John Evelyn to Charles II, and Evelyn was not alone in his "just indignation" on the smokiness of London.

Atmospheric pollution is indeed a major problem in Britain to-day and is being combated throughout the length and breadth of the country.

Air pollution has its deleterious effects on health - through chest complaints and loss of winter sunshine; on economics - smoke-laden atmospheres eat away fabric, stone and metal, and send repair bills sky-high; and it means the inefficient combustion of available fuels. The bill to Britain, on the last two counts alone is some £300 million!

Let us therefore consider that we are fortunate in not having to live in conditions similar to Mr. Evelyn.

Until next issue,

Yours

The Editor.

GENERAL MANAGER'S NOTES.

On June 17th a 24 hour stoppage took place at Berrima, the first in the Works' history dating back to 1928.

We feel that the stoppage was caused largely by a misunderstanding on the part of the employees as to the part played by their own Unions and the Industrial Commission in relation to the new award being sought by employees.

Arbitration was introduced early this century to expertly resolve the differences between management and labour, especially where a decision could have an adverse effect on the Nation's economy. It is pertinent to say that both management and labour are considered inexpert in assessing industrial matters, both sides being biased in their own favour, and so Arbitration with its wider view is essential to achieve justice.

In future we hope that the unions will obtain the full facts of any case before allowing a dispute to arise and allow Arbitration to judge the case.

GENERAL MANAGER.

LUNCH ROOM.

At the last Cement Company Board Meeting the erection of a new lunch room at Berrima was authorised. The new lunch room will have sufficient capacity to seat all employees who normally have the 3/4 hour lunch break.

LOCATION OF CEMENT PLANTS IN AUSTRALIA.



1. North Australian Cement Ltd., Stuart.
2. The Queensland Cement and Lime Co. Ltd. Darra.
3. Kandos Cement Co. Ltd. Kandos
4. Standard Portland Cement Co. Ltd., Charbon.
5. The Commonwealth Portland Cement Co. Ltd., Portland.
6. Southern Portland Cement Ltd., Berrima.
7. Metropolitan Portland Cement Ltd., Maldon.
8. Gippsland Industries Ltd., Traralgon.
9. Goliath Portland Cement Co. Ltd. Railton.
10. Australian Cement Ltd., Geelong
11. The South Australian Portland Cement Co. Ltd., Angaston.
12. Adelaide Cement Co. Ltd., Port Adelaide.
13. Swan Portland Cement Ltd. Rivervale.
14. Cockburn Cement Pty. Ltd., Spearwood.

@@@@@@@@@@@@@@@@

TOTAL 1955-56 PRODUCTION.

MATERIALS USED.	QUANTITY	VALUE	ARTICLES PRODUCED	QUANTITY	VALUE
	Tons	£		Tons	£
Limestone	2,784,079	2,240,719	Portland		
Shell or Coral	316,469	454,517	Cement	2,034,554	17,226,880
Clay Materials	187,923	77,594	Grey		
Gypsum	110,966	588,310			

4.

PRODUCTION NOTES - JUNE, 1959.

MARULAN QUARRY.

Limestone.....83,849
Mullock.....41,796

In addition to the above figures 7,120 tons of low grade fines were dumped.

Production with No. 1 Menck on the 1790 ft. bench commenced in earnest and at this stage the quality of stone from there is much superior to the 1850 ft. bench. The Marion Shovel is now past the old baulked Well Drill shot on the South side and the south road is now being pushed along. Limestone is expected to be won from the 1890 ft. south level about May, 1960.

BERRIMA COLLIERY.

Coal.....10,435

Production per miner was 10.62 tons/shift and 4.62 tons per employee.

CEMENT WORKS.

Clinker.....23,496

No. 3 Kiln operated for the full month whilst both Nos. 1 and 4 Kilns came off during the last week for brick repairs to their burning zones. We commenced to dismantle No. 2 Kiln shell to make way for the new Kiln shell expected in October.

Cement Sales.....21,928

Sales for June were about as expected as winter months are not considered conducive to good concrete making. Also during the month we received an order for 25,000 tons of bulk cement for the first stage of the construction of the Vales Point Power Station on lower Lake Macquarie. This will necessitate the erection of a bulk cement depot at Wyee just south of Newcastle.

Inspection for unsafe practices is one technique of potential cause analysis. Observation for unsafe practices is another such technique.

COMMON UNSAFE PRACTICE GUIDE

Here is a general guide as to what unsafe practices to look for :-

OPERATING WITHOUT AUTHORITY, FAILURE TO SIGNAL OR WARN.

- (a) Starting, stopping, using, moving etc. any kind of equipment without authority or without giving the required signal or warning.
- (b) Failure to place warning signs, flags, tags, etc.
- (c) Improper placement of warning signs, flags, tags etc.

FAILURE TO MAKE SECURE.

- (a) Failure to lock, block, tie or otherwise secure materials or equipment against unexpected movement.
- (b) Failure to stop flow of electric current, steam, water, toxic fluids, gases, air etc. when called for prior to commencement of work.

OPERATING OR WORKING AT UNSAFE SPEED.

- (a) Running.
- (b) Jumping from vehicles, platforms, ladders etc.
- (c) Driving vehicles at excessive speeds.
- (d) Throwing or dropping objects instead of hoisting, carrying lowering etc.
- (e) Operating equipment at excessive speed.
- (f) Rushing Work.

IMPROPER USE OR FAILURE TO USE GUARDS, SAFETY DEVICES AND PERSONAL PROTECTIVE EQUIPMENT.

- (a) Failure to wear prescribed personal protective equipment.
- (b) Use of defective personal protective equipment.
- (c) Removal of safety device from normally prescribed place.

IMPROPER USE OR FAILURE TO USE GUARDS, SAFETY DEVICES AND PERSONAL PROTECTIVE EQUIPMENT. (Cont'd)

- (d) Making safety devices wholly or partially inoperative.
- (e) Failure to report or replace defective safety device.
- (f) Failure to replace guard following authorised removal.
- (g) Unauthorised removal or putting out of action of a guard.

USING UNSAFE EQUIPMENT OR USING EQUIPMENT UNSAFELY.

- (a) Use of unsafe handtools.
- (b) Operation of machinery in unsafe condition.
- (c) Operation of vehicles in unsafe condition.
- (d) Use of materials that are hazardous.
- (e) Use of unsafe portable equipment, other than handtools.
- (f) Using handtools for non intended purposes.
- (g) Using handtools with excessive force.

TAKING UNSAFE POSITION OR POSTURE.

- (a) Exposure of men under suspended loads.
- (b) Exposure to objects slipping, sliding, rolling, splashing etc.
- (c) Lifting with bent back.
- (d) Entering enclosures that are unsafe because of gases, fumes heat etc. without protection.
- (e) Riding on vehicles in unsafe position.
- (f) Exposure of men to shock.

UNSAFE LOADING, PLACING, STORING, MIXING ETC.

- (a) Overloading.
- (b) Crowding, congesting work area with objects.
- (c) Lifting or carrying excessively heavy loads.
- (d) Arranging or placing equipment or materials unsafely.
- (e) Injecting, mixing, combining substances so as to create a hazard.

UNSAFE LOADING, PLACING, STORING, MIXING ETC.

- (f) Introducing objects or materials into enclosures so as to create a hazard, e.g. naked lights into explosive atmospheres.

WORKING ON MOVING OR HAZARDOUS EQUIPMENT.

- (a) Getting on or off moving equipment.
- (b) Working on equipment in operation.
- (c) Working on electricity charged equipment.
- (d) Working on equipment under pressure.
- (e) Working on objects containing noxious or inflammable substances.

MISCELLANEOUS UNSAFE ACTS.

- (a) Distracting, teasing, horseplay etc.
- (b) Wearing unsafe personal attire.

One way to use this guide is to interpret the specific items in terms of the work done in your area. It is also very effective to make a planned observation for specific unsafe practices. Tackle one unsafe practice at a time. You will soon learn what are and what are not your particular unsafe practice problems. Remember, you are expected to observe each of your men at least once a month whilst they are carrying out a specific job, to ensure that they are working safely.

SAFETY FIRST.JUNE SUMMARY.BERRIMA.

2 lost time accidents occurred during June which accounted for 27 days lost. This represents a frequency rate of 40.6 and a severity rate of 1157.6 per million man hours worked.

@@@ @@@ @@@ @@@ @@@ @@@ @@@

MARULAN.

2 lost time accidents occurred during June which accounted for 30 days lost. This represents a frequency rate of 99.1 and a severity rate of 2975.2 per million man hours worked.

@@@ @@@ @@@ @@@ @@@ @@@ @@@

MEDWAY.

2 lost time accidents occurred during June which accounted for 46 days lost. The two accident victims are still off work and no statistics are as yet available.

@@@ @@@ @@@ @@@ @@@ @@@ @@@

The overall figures for accident free days at the various plants stand at :-

BERRIMA	-	3 days accident free
MARULAN	-	9 days accident free

@@@ @@@ @@@ @@@ @@@ @@@ @@@

DON'T LET US FALL BACK TO THE OLD FIGURES. KEEP ON THE SAFETY TRACK!

@@@@@@@@@@@@@@@@@@@@@@@@@@@@

WHO'S WHO?

A young father was pushing a baby carriage in which an infant was screaming as loud as any Comanche who ever lived. Wheeling the yowling brat along, he kept murmuring gently, "Easy now, Donald,. Keep calm, Donald. Steady boy. It's all right, Donald." A mother passing by paused to say, "You certainly know how to talk to an upset child - quietly and gently." Then leaning over the carriage, she said "What seems to be the trouble, Donald?" "Oh no," said the father. "He's named Henry. I'm Donald."

Although the history of Portland cement dates from the discovery by an Englishman, Joseph Aspdin, in 1824, the origin of cementing materials goes back to the days when man first realised his need for shelter. In the beginning, man used mud for this purpose, but as population increased - and with it the domestic needs and culture of the people - more permanent and commodious structures became necessary.

Builders turned to local materials for their requirements and used limestone, gypsum, marble, and even basalt and granite. Blocks of these were roughened, grooved and dovetailed, so that when put together, they became stable to resist wind and weather. Before long however, builders began to seek a material which would bind stones together without fitting and so began the development of cements.

In the early Egyptian era, the cementing material was obtained by burning gypsum, which was quarried in a very impure state and very roughly burnt. The early Egyptians were not acquainted with the use of lime, although limestone was more abundant and more accessible than gypsum. Lime was used at a very early period by the Greeks and earlier still in Crete.

The early Romans borrowed the idea from the Greeks and made extensive use of a lime-bearing cement, not only in their buildings but in roads, bridges and aqueducts. The results of their craft are still being uncovered.

The words cement and concrete were derived from the Romans. Cement was originally Caementum - a rough, unhewn stone or chips of marble from which a kind of mortar was made. Concrete comes from the word "concretus," meaning "growing together". With their cement, the Romans made loose stones "Grow together" into a single rock-like mass.

Most of the foundations of buildings in the Forum in Rome were a form of concrete, these foundations being placed to a depth of as much as 12 feet. The great Roman baths built about 27 B.C., the Colosseum, and the huge Basilica of Constantine are other examples of early Roman architecture in which concrete was used.

The Romans achieved their greatest success in making a cement by mixing slaked lime and a volcanic rock or sand called Pozzolana, named after the place where it was first found, Pozzuoli,

near Mount Vesuvius. This it is believed, was the first hydraulic cement - a cement capable of hardening under water.

After the fall of the Roman Empire, however, there was a decay in civilisation, the decline in the art of the builder being one of the most pronounced results, particularly in the making and use of good cementitious mortars.

Limestones were used with little regard for their suitability, and there were no new contributions to the knowledge of cement through the Dark Ages.

But in the eighteenth century, engineers, chemists and artisans in England, France, Germany, Holland, Sweden and Switzerland started searching for better building materials. They studied and experimented with cement.

It was not until 1756, however, that any marked improvement took place. In that year Robert Smeaton, a great British engineer, was commissioned by Parliament to rebuild the Eddystone lighthouse on the rocky coast of south-east England. The lighthouse had been made of Cornish stone, and time after time, as terrific storms lashed against it, the walls came tumbling down. And the mortar between the stone blocks was softened by the sea water and washed away.

Smeaton tested all the then known methods of cementing masses of masonry. His verdict in every case was that none of the limestones had been intelligently chosen for their hydraulic qualities.

He experimented with many kinds of limestone and found that pure limestone was not the best for making mortar, especially for building in water. A limestone, he concluded, acted more strongly as a cement when intimately mixed with a proportion of clay, which, by burning, was converted into brick. Smeaton thought this method was more suited to his task of rebuilding the lighthouse and his method has been proved to be correct right up to the present day.

Smeaton rebuilt the lighthouse with his new mortar. For 126 years - until 1882 - the Eddystone lighthouse warned sailors away from the dangerous coast of Cornwall, and it was only a fissure in the foundation rock that caused its demolition.

In the new world of America, too, men were learning to build with cement. In 1769, a kind of concrete was used at the Mission of

San Diego, California. There, the priests and the Indians made their cement from the limestone deposits of the region. They built a complete irrigation system to carry water from the San Diego River to the Mission. It is thought that the priests picked up their concreting techniques from some of the Indian tribes who used a form of hydraulic cement.

But the most important work in the development of cement took place in a kitchen in Leeds, England, in 1824. A bricklayer and mason, Joseph Aspdin, experimented with the burning of a limestone clay mixture at high temperatures in his kitchen kiln.

Aspdin took his wheelbarrow, broom and shovel into the streets and roads near his house. He swept the limestone dust into his shovel and carried it home in his wheelbarrow. With this he developed the cement that is the basis of our concrete today. Aspdin's product assumed a delicate grey colour after setting, which so resembled in colour and texture the natural stone found on the isle of Portland in the English Channel, that he called it "Portland Cement" when he took out his patent on October 21, 1824.

In the patent, Aspdin described his formula: "My method of making cement or artificial stone (and which I call Portland Cement) is to take a specific quantity of limestone and cause it to be melted by extreme heat.

"I then take a specific quantity of clay and mix them with water to a state approaching impalpability either by manual labour or machinery.

"After this proceeding, I put the above mixture into suitable lumps and melt them in a furnace similar to a lime kiln till the carbonic acid is entirely expelled.

"The mixture so melted is to be ground, beat or rolled to a fine powder and is then in a fit state for making cement or artificial stone."

Aspdin opened his first factory at Wakefield, England, in 1825, and continued to mix thoroughly his finely-ground raw materials before burning. The quality of Aspdin's cement probably varied considerably, but it was the first great stride towards the closely

12.

controlled product of today. That he did produce a very good cement is shown by the fact that it was used in building the first tunnel under the Thames in 1828. The price at that time, at the works, was 21/- per cask, and it found a ready market. Further impetus was given to its use when it was used in constructing the London drainage system in 1859.

Aspdin is credited generally with the development of Portland cement, as we know it, but the part of I.C. Johnson must not be overlooked. In fact Johnson's adherents have claimed that Aspdin's specification gave no proportions of limestone and argillaceous earth and was not therefore a true Portland cement. Other authorities, however, maintain that Aspdin's specification included the words "specific quantity" before both the limestone and the clay, this being the key to his process.

Johnson himself, who joined a cement firm in 1827, claimed to be the inventor of Portland cement. He certainly carried out investigations on cement, but it is interesting to note that when he took out a patent in 1872 he entitled it "Improvements in the manufacture of Portland Cement." Johnson is generally credited, however, with the invention of the chamber kiln, and he certainly improved on Aspdin's product.

In 1885 an English engineer, Frederick Ransome, patented a horizontal kiln, slightly tilted, which could be rotated so that the material moved gradually from one end to the other. This rotary kiln, which was to be the forerunner of the present-day kiln, had much greater capacity, burned the raw material more thoroughly and permitted continuous production. The rotary kiln quickly replaced the older vertical, stationary kilns which were cooled after each burning, thereby wasting fuel and time. In 1902, in the United States, Thomas Edison made a notable contribution to the development of the rotary kiln by introducing kilns which were 150 feet long. Until then, the average kiln had been 60 to 80 feet in length and wasteful of fuel. The size and capacity of cement kilns has grown steadily and today many of them are longer than a football field.

In Germany, Portland Cement Works had been established at Stretton in 1852. The Germans quickly appreciated the value of this new building material, and with their usual thoroughness, produced a much better cement than any other country. They were also quick to appreciate the value of very fine grinding. They were so successful that for years German cements were looked upon as world standard.

France, too, was quick to see the advantages of Portland cement. Like Germany, France today produces high-grade Portland cements.

In the United States, a natural cement, which required very little additional processing to make it into a form of hydraulic cement, had been discovered in Madison County, New York, in 1818, but it was not until 1868 that Portland cement was shipped to the United States. At this time, European manufacturers began using cement as ballast in tramp steamers, enabling them to ship it at very low freight rates. The United States continued to import all its Portland cement from Europe until the 1870's, the Americans at that time possessing little knowledge of the manufacturing procedures of Portland cement.

The demand for building materials in the United States greatly increased in the reconstruction period following the Civil War. People started to think about bigger structures. And Portland cement, because of its superior quality, came into greater demand.

Portland cement shipped to the United States from Europe increased from 92,000 barrels in 1878 to almost 3 million barrels in 1895. By then, however, the United States was manufacturing Portland cement, and by the turn of the century the U.S. production far exceeded the amount of imported cement. At present, the U.S. produces and uses more Portland cement than any other country in the world.

Today every civilised country in the world produces its own cement, which is one of the greatest essentials in a country's national life.

HOCKEY.

The S.P.C. No. 1 team is still undefeated in the district 2nd Grade Competition and is strongly favoured to win the final. Confidently captained by Ken Noble, it is improving with every match and by next season will surely measure up to first grade standard.

The No.2 team has yet to win a match but has been handicapped by shortage of numbers, last Saturday being the first time a full team has been available. With a little more practice and some closer team work they should be approaching their first victory. Terry Saker captain's this team and is confident that the team will improve shortly. The most improved player to date would be Jimmy Moore and amongst the new players, none gave a better performance than Norm Austin and Kevin Moore.

LADIES HOCKEY.

The S.P.C. Rozella Hockey Team is showing marked improvement in its standard of play which can be attributed to the coaching given by Mrs. Len Adams. Those who have shown most advancement are Shirley Moore, Helen Remington, Meryl Jones and Secretary of the club Margaret Ellis.

In view of the fact that the team consists mainly of beginners, we would like to congratulate the girls on their performances to date and feel sure that with a little more experience they will enjoy greater success.

FOOTBALL:

The Berrima football team has struck form by winning three of their last four matches and have only to retain this form to "make" the first four in the Group Six Competition. Norm Austin has been playing good solid football in various positions and has been kicking some very fine goals. The Moore brothers have also been performing well together with "Aussie" Mead and Joe Bizjak.

BASKETBALL.

The team of Basketball players from S.P.C. have had mixed results during the past month. They are, however, holding 3rd position in the point score ladder and are full of confidence for further success. Anybody wishing to see this team performing in their colourful turnout of red and green shorts and singlets are welcome to attend any of their Monday night matches at the Moss Vale Showground Pavillion.

BOWLS.

The match between Bill Rutter and Jim Dray to decide the Club Champion for 1959 was played during the month at Moss Vale Bowling Club. The result was somewhat of a surprise as most members expected a close finish between the contestants. Jim was either in devastating form or Bill was off form, as the final score of 14 to 32 in Jim Dray's favour was not thought to be a true indication of the losers ability. However, both players will have their names placed on the board again this year, having both won this event in previous years.

RIFLE SHOOTING:

Allan Parker showed fine form to win the 300 yd application on 21st June with a 37 off the rifle. No less than 4 shooters finished with a possible 40 after adding their handicaps and a count - back was necessary to establish the winner. Bob Hardy and Trevor Mott shared in the prizemoney and numerous other S.P.C. employees were well up towards the winners. A remarkably good attendance was recorded and this augers well for the first shoot of the competition year which takes place on Sunday next (5th July).

@@ @@@@ @@@@ @ @@@ @@@@

OUR YOUNG SPORTSMEN.

, Graham Bell, son of Fred Bell (Colliery) has, for the past 4 years, shown outstanding ability in Marathon races that he has participated in during his schooling at Bowral High School. He is champion cross-country runner in his division and was chosen to represent the school at the recent combined High School cross-country

OUR YOUNG SPORTSMEN. (cont'd).

Championship held at Centennial Park on June 10th. More than 500 schoolboys competed in their respective divisions and young Graham acquitted himself really well to finish eleventh in a field of over 100. Graham hopes to finish his schooling at the end of this year and enter the Navy where his talents will no doubt be recognised and put to advantage.

@@@@@@@@@@@@@@@@

Tommy Lewis (Junior) is another young sportsman with outstanding ability. Football is his code and he excels in his position as half-back for the newly formed Bundanoon Club. Tommy is only 16 years of age but plays like a veteran. With a few years experience he should be ready to show his ability to advantage in the First Grade teams.

@@@@@@@@@@@@@@@@

Other youngsters in the sporting field who give creditable performances against much older opponents are found in S.P.C. No. 1 Hockey Team. These include, Peter Mott, who always seems to get his share of points allotted during each match for best and fairest player, Graham Bell, who plays really well in his position at left-wing, Ray Mordeu as right-wing and Neil McLaren who has scored a couple of goals from his position at right-inner.

@@@@@@@@@@@@@@@@

MARULAN.

The Fellowship Basketball Team is still undefeated in the Goulburn 2nd Grade competition. However Marulan South team is now having its share of wins and feels confident it will be able to "down" the Fellowship Team at their next meeting.

@@@@@@@@@@@@@@@@

The Schoolroom mentioned in an earlier edition of the NEWS is nearing completion and will be a great asset to the townspeople of Marulan.

@@@@@@@@@@@@@@@@

WELFARE.

June has been rather a bad month for some S.P.C. employees with regard to health for we find that Wingecarribee and Bowral Hospitals have been caring for quite a number from the plant. Bobby D'Adam and Hugh Stevens are still inmates of Wingecarribee while Alf Ware and Charlie Blackie have returned to work after short spells in hospital. Alf Sanden is an inmate of a hospital in Sydney and it seems unlikely that he will be with us for some time. To all concerned, our best wishes for a speedy recovery to normal health.

@@@@@ @@@@@

The following new employees commenced duties with the company during June :-

Robert Brooks	-	(Laboratory)
Norm Copeland	-	(Laboratory)
Tom Waide	-	(Machine Shop)
Fred Rutland	-	(Machine Shop)
John Burton	-	(Construction)
Joe Wisniewski	-	(Production)
John Neuman	-	(Machine Shop).

To these people we offer our best wishes for a happy stay with S.P.C.

@@@@@ @@@@@

Two boys were leaning against a corner drugstore.

"Dames," sniffed one, "are a dime a dozen."

"Gee," exclaimed the other, "and all this time I've been buying jelly beans."

@@@@@ @@@@@

A honeymoon is the vacation a man takes before going to work for a new boss.

@@@@@ @@@@@

PERSONAL PARS.
HEARD ON THE GRAPEVINE.

BERRIMA.

To Mr. & Mrs. Lionel King, a son, Lionel Antony, born 5th June at Wingecarribee Hospital, both mother and son are doing well. Congratulations Joan and Lionel on this happy event.

@.@.@.@.@.@.@.

We would like to welcome Mrs. Parsons back home after a recent bout of illness at Wollongong. We hope Margaret is fully recovered as she will need all her energy to look after her problem child Wally.

@.@.@.@.@.@.@.

MARULAN.

Frank Bulger has been on holidays and spent a very interesting few days in both Melbourne and Brisbane. Quite a bit of touring Frank!

@.@.@.@.@.@.@.

Max Alcorn left the company recently after 12 years with the company as a fitter and turner. Max has moved to Sydney where we hope he is enjoying good health and prosperity.

@.@.@.@.@.@.@.

MEDWAY.

To Mr. & Mrs. Ted Bender, a daughter, last Saturday. Mother and daughter are both well and we wish them success. Congratulations. Ted!

@.@.@.@.@.@.@.

Sandy Galloway became a Grandfather for the third time on May 14th. His daughter Pat (Mrs. McGregor) gave birth to a boy at Canterbury Hospital. The name chosen for the new arrival is Phillip James. Congratulations Sandy and to the proud parents also!

@.@.@.@.@.@.@.

JUNE PROBLEMS.

Problem No. 1 created quite a deal of interest among readers although very few came up with the correct answers.

The 10/- prize was awarded to Brian Hilton (Colliery) who was first out of the "hat" with the following answer:-

Length of rope required by each farmer;

- (a) 166'-6"
- (b) 235'-5"
- (c) 203'-11".

Problem No. 2 proved to be popular but only one competitor managed to obtain the maximum mileage of seventy-six miles in fifteen turns. Those who tackled the problem logically decided that the obvious way of obtaining the maximum mileage was to take the direction offering the longest run at each turn but this method surprisingly enough, gives a distance of only seventy-two miles. The prize for this problem goes to Alwyn Counsell (Stores Clerical). Incidentally there were no fewer than fifty different routes each totalling seventy six miles!

@@@@@@@@@@@@@@@@

PROBLEM NO. 3.

This is a word building competition. Using the letters of the word "SOUTHERN", how many words of four letters or more can be formed, with the following restrictions:-

- (1) Each letter can be used once only in any word
- (2) No proper names to be used.
- (3) No foreign words to be used.
- (4) Only words in common usage will be considered.

Here is a typical layout of the way in which your entry should be presented with some examples given.

S	O	U	T	H	E	R	N
South Shout	Other Outer	Urns ETC.....	Then	House		Route	Nest

PROBLEM 4: A boy went to a cricket match with his score book in which he entered the details given below:

No.	Batsman	Runs as Scored	How Out	Bowler	Total
1.	Anson				6
2.	Betson				8
3.	Copson				6
4.	Dobson				6
5.	Elson				5
6.	Frisson				4
7.	Goodson				7
8.	Hobson				15
9.	Iveson				5
10.	Jameson				1
11.	Kerson				1
					EXTRAS: 0
					TOTAL: 64

Runs at the fall of each wicket.	1	2	3	4	5	6	7	8	9	10
----------------------------------	---	---	---	---	---	---	---	---	---	----

BOWLING ANALYSIS

Bowler	1	2	3	4	5	6	7	8	9	10	11	12	Overs	Mdns.	Runs	Wkts.
Brown													11.2	2	14	8
Gray													6	0	15	1
White													6	4	35	1

In his reply to his father's request for further information on his return home, he said:

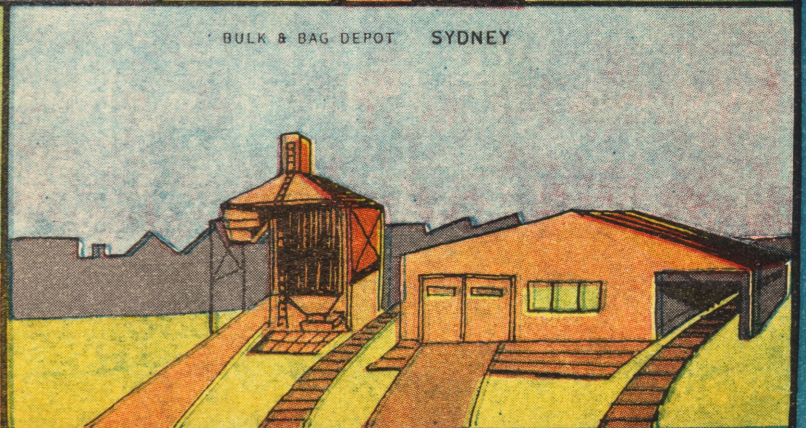
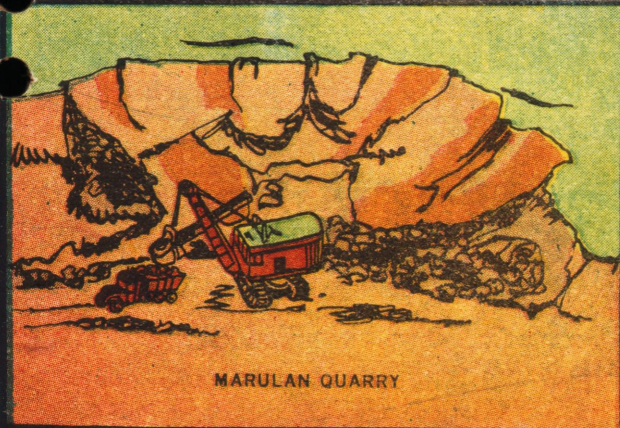
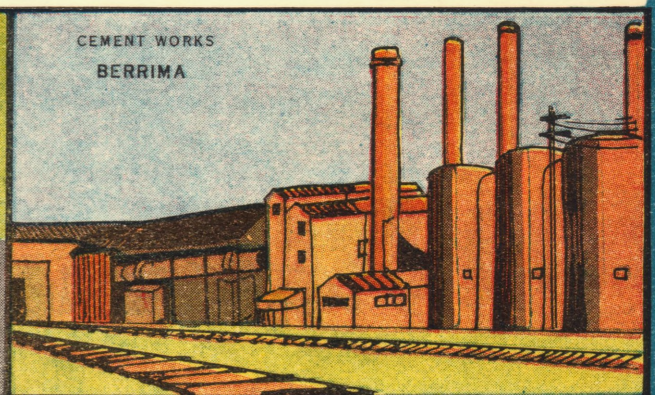
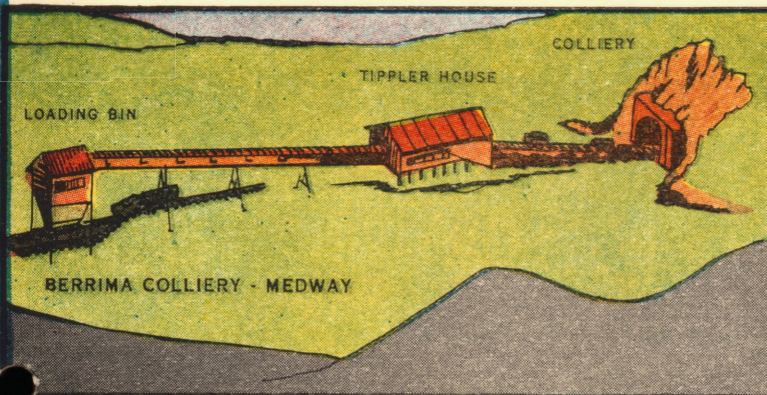
1. All the runs were either singles or fours in twenty-eight scoring strokes
2. Except for a brilliant catch by Gray at deep extra cover off a "skier" all the batsmen out were bowled.
3. Brown did the "hat-trick" and bowled the first ball to Anson who hit it for 4.
4. Gray opened the bowling at the other end and the batsmen came in in the numerical order given above.
5. "Maiden overs" excepted, the last ball of each over produced either a wicket or a scoring stroke.
6. When two or more scoring strokes and/or wickets occurred in an over, one was off the first ball of that over.
7. Betson played 12 deliveries before scoring and Hobson scored 13 runs off four consecutive balls.
8. There were no "short runs" and the overs consisted of 6 balls (except the last one).
9. Four wickets fell before there was a bowling change.

The problem is to find (by completing the score card): the batsman who fell to Gray and White: the batsman caught; order of batsmen's departure; the hat-trick victims.

August 59

S.P.C.

MONTHLY NEWSLETTER



MEDWAY - MARULAN - BERRIMA - SYDNEY

S. P. C. NEWS.

Vol. 1 No. 8

August, 1959.

- C O N T E N T S. -

	Page
Editorial	2
General Manager's Notes	3
Retirement - Robert Bell	4
Production Notes	5
Water - Life Stream of a Nation	6 - 14
Safety News	15
The Tilting Tower	16 - 17
Sporting News by Jack Mott	18 - 20
The S.P.C. Oval	21
What's Going On	22
Welfare News	23
Personal Pars	24
Results of June Problems	25
July Problems	26

=====

Dear Readers,

What's happened to the competitive spirit of our readers? Only one entry was received for our No. 3 Problem last month and only three entries for No. 4.

We might agree with you that No. 3 was a little difficult but having so many cricket enthusiasts we felt sure that we would get at least a few attempts. No. 4 on the other hand was comparatively simple, but required a little time. Results will be found in later pages and what about "having-a-go" this month!

We feel that more news should be forthcoming from the various centres other than the Berrima Works. In this respect we ask our contacts to keep their ears a little closer to the ground and procure a few more personal items to let our readers know how the other half live.

In an organisation such as ours, a truly representative coverage of all phases of our activities and social life should be condensed equally from all the plants. After all, 41% of the total distribution of S.P.C. Newsletters go to outlying centres.

Does anybody remember a heavier 24 hour fall of rain than the downpour on the 21st of last month? A total of 398 points was recorded in our rain gauge at the General Office. It had the usual disastrous effects attributed to heavy rain by washing out new earth-works and also proved a menace around the works.

Most of us look forward to the Spring season having "had" the winter. With this bright thought in our minds we say "Cheerio 'till next month".

Yours

The Editor.

GENERAL MANAGER'S NOTES.

The growth in sporting activity at Berrima over the last two years has been amazing and we now field teams in nearly all competitions throughout the district.

Not many trophies are being won, but the enthusiasm of the players and supporters alike shows that the game is played for its own sake, and not only the prize.

Being top dog in any activity is a worthwhile ambition and I have no doubt our teams will gain their share of success in the future. The successes will be gained with honour and modesty and the teams will be a credit to the Company.

Sporting activities will develop an "esprit de corps" such as is seen in the Australian Rules football competition in Melbourne and the fellowship thus engendered will materially assist us in the enjoyment of our working hours.

Remember - Play the Game.

GENERAL MANAGER.

RETIREMENT - ROBERT BELL.

On the 18th August Bob Bell, the President of the Lodge at our Colliery retires after 31 years of service with the Company.

Bob commenced his coal-mining career at Whitburn Colliery on the northern fields 46 years ago and after working there for 15 years came to Berrima. Bob commenced with the Company in August, 1928, and worked on the stone drift being driven to form the main tunnel of the Colliery. After the drift was completed he worked as a miner on the coal for 20 years before coming back to a shift man. At present he is a borer.

His work record has been outstanding and in his 46 years career had only one week's compensation. As President of the Lodge, a position he has held for 16 years, Bob has worked actively for the benefit of both the Lodge members and the Company, being able to see both sides of a dispute.

Bob's father also worked on the drift and later as shift man in the Pit until 1938 when he passed away after a sudden illness. Four of Bob's brothers, Neil, Jim, Archie and Fred have worked at the Colliery during the past years and Jim and Fred are still with us. Two of Bob's sons also worked at the Colliery, and Joe is still on the Coal.

Congratulations to Bob on a job well done and he leaves us with our best wishes and the hope that he enjoys many happy years in his retirement

PRODUCTION NOTES - JULY, 1959.MARULAN QUARRY.

Limestone.....86,107

Mullock.....36,938

In addition to the above figures 5,980 tons of low grade fines were dumped.

Development of the South Road is now progressing satisfactorily with the Marion Shovel and the road is expected to be completed late this year.

BERRIMA COLLIERY.

Coal.....15,335 (Record).

Production per miner was 12.12 tons/shift and 5.34 tons per employee.

Congratulations to the miners for their magnificent effort during July when a record tonnage was achieved. Productions per miner and per employee were also records, a mighty fine effort.

CEMENT WORKS.

Clinker.....23,882

Only No. 3 Kiln operated for the full month whilst Nos. 1 and 4 Kilns lost some time early in the month for re-bricking to the burning zones. The dismantling of No. 2 Kiln shell is proceeding slowly and there is a lot of work to be done to the machinery before the new shell is installed.

Cement Sales.....22,383

July sales got away to a very good start and half way through the month looked as though we would sell 25,000 tons. However, heavy rain upset things and we only managed the above figure. There appears to be an upward trend in sales and if the weather stays fine we will expect to do well this month.

WATER-THE LIFE STREAM OF A METROPOLIS.

A further Story of Conservation.

Man can live without clothes, without shelter and for some time without food. Without water, however, he soon perishes. It is not surprising therefore that from the earliest period of man in geological history, evidences of human habitation have been closely associated with rivers, springs, wells and other primitive sources of water.

Abundant supplies of clean water have always been a necessary condition for the rise of the great civilizations of history and in the valleys of the famous rivers, the Nile, The Euphrates, the Indus, the Ganges and the Yangste - civilizations and cultures were nurtured.

In these modern times the privileged citizens who can unquestioningly trust the water which flows from their household taps and fountains, etc., should reflect on the constant labours of the army of scientists, laboratory workers, engineers, health administrators and other highly-trained personnel, which have made it possible for them to enjoy an abundance of palatable and safe water.

1. Water is required mainly for

- (i) Domestic purposes (drinking, cooking, washing, sewerage removal, etc.)
- (ii) Watering of private lawns and gardens.
- (iii) Industrial purposes (laundries, market gardens and practically every conceivable type of industrial process)
Water is in fact the world-wide basic raw material for industry.
- (iv) Public uses such as street watering, swimming baths, parks, etc.
- (v) Fire protection.

2. The quantity required is governed by

- (i) population to be served;
- (ii) per capita consumption.

Population must be forecast for approximately twenty-five years ahead so that storage works can be planned and built to meet the

expected demand for water. Forecasting the population for Sydney is, however, a difficult matter, as any assessment is governed by the natural increase and immigration, the latter being subject to very wide fluctuations. At 30th June, 1958, the population supplied was 2,148,000; the annual increase being approximately 50,000 persons.

The figure for per capita consumption is derived by dividing the amount of water used by the population served. This figure varies widely from day to day and year to year, due to weather conditions and the resultant effect on garden watering, but there is, however, a general upward trend. As an example of this the per capita figure has increased from 79 gallons per head per day in 1952 to 86 gallons in 1958.

3. Quality of Water.

Water should be clear, pleasant to taste, non-corrosive and free from pathogenic matter, the last factor being very important.

Sydney is fortunate that the catchment areas of the large dams forming the source of its supply are for the most part uninhabited and covered by virgin forests. The danger of pollution is thus reduced to a minimum. Storage of water for a certain time also has a purifying effect, for most of the bacteria including all harmful ones, soon die out or are devoured by other minute forms of life.

Only in the case of water drawn from the Warragamba Catchment is constant treatment necessary. This is effected by injecting a very small proportion of liquid chlorine into the water as it flows to Prospect.

To make quite sure that no harmful bacteria break through these barriers, chemists and bacteriologists are constantly engaged in the Board's laboratories testing and examining water samples from all parts of the distribution system.

4. Headworks.

Dams are required to store river water as a safeguard against times of drought; the record drought period on Sydney's catchment areas being for eight years between 1934 and 1942. Once a dam is full it can be drawn upon at a constant rate irrespective of the flow in the river.

Each dam has a safe-draft, a term used to describe the average rate of supply that could be maintained from the area under conditions similar to, and over a period corresponding with the record drought of 1934-42, plus one year equal to the worst of those drought years.

Prior to the construction of Warragamba Dam the safe draft of all the dams supplying Sydney was 92 million gallons per day. Warragamba will add an additional 263 million gallons daily to the safe draft.

Before a dam is constructed a close study is made (over a long period) of fluctuations in the river flow. Such investigations are of particular importance as the safe draft depends on the pattern of the flow in the river as well as the volume of storage.

The factors to be considered in planning the site for a dam are :-

- (1) Narrow gorge to minimise the cost of construction.
- (2) Good foundations near the river bed.
- (3) Accessibility of the site.
- (4) A wide valley (not too steep), upstream of the dam to ensure a maximum storage volume.

In choosing a site a compromise has usually to be made, due to the lack of good sites within reasonable distance from the point of demand.

Early Water Supplies

The site of the first settlement in Sydney (established on 26th January, 1788, by Governor Phillip) was determined by the Tank Stream which had its rise in the marshy ground at Hyde Park and discharged into the waters of the port at Bridge-street. This stream was used as a water supply for almost forty years and was finally abandoned because of its pollution by the settlers who had established a slaughter yard and piggeries along its banks. These, together with the effluent from the streets and from human occupation rendered the water unfit for use.

In 1827 Mr. Busby commenced the construction of Busby's Bore which conveyed water from the Lachlan Swamps (now Centennial Park),

under Oxford-street to Hyde Park whence it emerged as a pipeline supported on trestles to a point in the vicinity of the present T. & G. Building. Water carts drew supplies from the line and sold it to the settlers.

By the middle of the last century the population had reached nearly 50,000 and a more adequate water supply became essential. This led to the construction of Sydney's third water supply scheme from Botany Swamps. The scheme consisted of the building of a series of earth dams at the Swamps, the construction of a 30- inch pipeline to a reservoir at Crown-street and, later, to a second reservoir at Paddington.

All this time Sydney had been growing apace, and it had become apparent that an area would have to be found, capable of progressive development to meet the future needs of the city.

In 1867 a Royal Commission, after studying a number of schemes, recommended the development of the Upper Nepean Catchment Area, and to-day, now fully developed, it forms the backbone of our water supply.

Present Water Supply

The County of Cumberland, a roughly rectangular area averaging 38 miles in width and 58 miles in length, containing the Sydney Metropolitan Area, is bounded on the east by the Pacific Ocean, and on the north, west and south by the Nepean or (in its lower reaches) Hawkesbury River. This river is fed by a series of tributaries at its (southern) source - Cataract, Cordeaux, Avon and Nepean Rivers - and from the west by four others - Warragamba, Erskine, Grose and Colo Rivers - of which the first and last are outstandingly the most important. These streams comprise the main actual or potential sources of water supply for Sydney.

In addition there is, within the County, one independent river system conforming in its general direction and shape to the Nepean, but on a minor scale, viz., the George's River and its tributaries.

The Upper Nepean Catchment Area, some 347 square miles in extent, contains the zone of greatest annual rainfall between the

snow-clad mountains of the Australian Alps and the subtropical areas of the North Coast of the State. The general system as it stands today commenced with the development of this area in 1880-1888 by the construction of a weir at Pheasant's Nest on the Nepean River below the junction with that stream of the Cordeaux and Avon tributaries. This weir diverted the waters of the three rivers through a tunnel $4\frac{1}{2}$ miles long to the Cataract River, where a second weir at Broughton's Pass directed the water of all four rivers into a second tunnel. Thence it flows via a series of alternating lengths of open channel, pipe aqueduct and further tunnel, known collectively as the "Upper Canal" to Prospect Reservoir 40 miles distant. This reservoir, which was completed simultaneously with the Upper Canal, consists of an earthen embankment 7,300 feet long, built across Prospect Creek, and functions now as the major service reservoir of the Metropolitan Area.

Since that initial work, cyclopean masonry dams have been constructed on the four main tributaries, viz., Cataract (in 1902-1907) Cordeaux (in 1918-1926), Avon (in 1921-1927) and Nepean (1926-1935) which was constructed with Southern Cement. These dams (with an aggregate holding capacity of 106,391 million gallons), together with the unregulated portion of the Upper Nepean Catchment below the dams (but partially controlled by the weirs), are now capable of delivering a safe draft of 80.8 million gallons per day. The maximum draw-off at any time from the area is determined by the capacity of the Pheasant's Nest-Broughton's Pass Tunnel (94 m.g.d.), so far as the Cordeaux, Avon and Nepean Dams are concerned, and of the Upper Canal (150 m.g.d.) for the whole combination.

Prospect Reservoir discharges into a lower canal 5 miles long (capacity 93 m.g.d.) which conveys the water to Pipe Head, the commencement of the distribution system. In order to maintain a sufficient rate of flow in this canal and to preserve the bank of the dam in a uniform condition of moisture the water is not now permitted to fall below 6 feet from the top.

Supplementing the Lower Canal are two mains (54 inches and 72 inches in diameter) leading from the Upper Canal to Pipe Head, the latter with connection also from Prospect Reservoir, while an 84-inch main has recently been constructed from Prospect to Pipe Head.

At Pipe Head the water is passed through fine phosphor bronze wire mesh screens to remove any sticks or leaves that may have blown or have fallen into the water; otherwise the water is not treated except in times of heavy rain when chlorine is injected into the water at the commencement of the Upper Canal to sterilize the water drawn from the unregulated part of the catchment.

Water for the suburbs south of the Harbour is conveyed from Pipe Head through three 72-inch mains to two large service reservoirs at Potts Hill, near Lidcombe, whence it gravitates through a deep underground tunnel 8 feet 3 inches in diameter (which is now in progress of duplication) and other large mains to Waterloo and Crown Street Pumping Stations, 10 miles distant.

Ryde Pumping Station is the focal point to which water for the Northern Suburbs is drawn from Pipe Head and from which it is pumped to service reservoirs on elevated points of the Northern Suburbs.

The Woronora River (a tributary of George's River) was the next stream brought under control by the building of a dam, first to the height of 60 feet to supply Sutherland-Cronulla (1930-1931), and subsequently (1935-1941) by raising this to a height of 200 feet. In this case, Southern low-heat cement was used. This reservoir discharges via a pipeline, 48 inches in diameter and 16 miles long, to service reservoirs at Penshurst from which it supplies the neighbouring territory as well as Sutherland-Cronulla en route. Its great advantage is that it provides a supply entirely independent of the Upper Canal, capable of being distributed over the larger part of the southern portion of the Metropolis. In the event of any damage to that Canal laying it out of action for a substantial time, a supply up to 32 m.g.d. (the capacity of the pipe-line) could be maintained temporarily from this alternative source. For regular demand, the system has a safe draft, based on the standard previously mentioned of 11.2 m.g.d.

The South Coast from Clifton to Shellharbour draws its supply from Cordeaux Dam. Work is in hand to supplement this supply with water from Avon Dam to meet the rapid industrial expansion of this area.

Richmond and Windsor are supplied by separate systems drawing

12.

water directly from the Hawkesbury River. The supply is suitably treated before distribution. Helensburgh is supplied by pumping from Woronora Dam, Bargo from Nepean Dam and Picton from a weir on the Bargo River.

Camden, Campbelltown, Liverpool and other outer areas draw water from various connections to the Upper Nepean System.

The Warragamba Project

The Warragamba River is, due to the great size of its catchment (3,383 square miles), outstandingly the most important of all the streams available for water supply purposes near Sydney. It junctions with the Nepean River about a mile west of Wallacia - some 40 miles from Sydney - and is the outlet for its two main sources of supply, the Wollondilly and Cox's Rivers and their tributaries which have a vast catchment area extending from Wallerawang on the north to Lake Bathurst on the south, and from Robertson on the east to Crookwell on the west.

The distinctive feature of the Warragamba River is that its 14 mile course consists of a sandstone gorge approximately 1,000 feet wide at its Nepean end, with sides 400-500 feet high, widening to 2,000 feet near the junction of its two main tributaries, at which point the well-known Burragorang Valley commences to open out widely.

The first stage of a long-range programme for the development of its resources took place in 1937-1940 when, as an emergency measure during a record period of severe drought a weir 50 feet high was built across the river $1\frac{1}{2}$ miles above its junction with the Nepean River, together with a pumping station 173 x 22 x 37 feet excavated in solid rock nearly 200 feet underground. This station delivered water to a 48 inch pipeline 16 miles long to Prospect Reservoir. The pumping station and line had a delivery capacity of 40 m.g.d. The quantity of water that could be sent forward at any time was, however, primarily dependent upon the river flow, the weir providing a storage of only 579 m.g.

The second stage of the project, consisting of the replacement of the 48 inch main by a larger pipeline capable of delivering up to 180 million gallons daily to Prospect, was commenced in 1946 and

completed in 1953. This consists of a main 106 inches in diameter connected to the dam outlets, laid in tunnel for the first $2\frac{1}{2}$ miles to the Nepean Crossing; then 14 miles of 84 inch diameter pipeline mostly above ground and approximately 500 feet of open channel in reinforced concrete 7 feet 7 inches wide by 9 feet deep at the discharge end of the main.

During construction the 48 inch line was superseded in stages by cross connection to sections of the 84 inch line as completed and released 48 inch pipes were thus made available for other urgent distribution works.

The final stage of the scheme involves duplication of the 106 inch diameter section of the pipe line and triplication of the 84 inch section. The cost of the completed 84 inch pipeline was £4,480,000.

The third stage, now nearing completion, comprises the building of a huge dam across the Warragamba Gorge about a mile upstream of the existing weir. Rising some 445 feet above the river bed level, the dam will be the highest in the Southern Hemisphere. With a base more than 300 feet wide, the wall will contain over $1\frac{1}{2}$ million cubic yards of concrete and require $2\frac{1}{4}$ million tons of aggregate. The aggregate is being conveyed to the dam site from extensive sand and gravel deposits near Emu Plains - a distance of $12\frac{1}{2}$ miles - by an aerial ropeway with a delivery capacity of 170 tons per hour. When completed and filled to capacity the dam will store an additional 460,000 million gallons - more than $3\frac{1}{2}$ times the total capacity of all existing storages - and meet Sydney's water requirements for many years ahead. The story of how Southern supplied all the cement for this huge undertaking was told in last month's issue.

Already the dam is storing more water than can be obtained in all the other Board's dams combined.

For the purpose of this work, which requires some 1,900 workmen and is estimated to be completed in 1960 at a cost of approximately £35,000,000, a township with about 9 miles of streets has been laid out complete with water supply, sewerage and electricity to accommodate a community of 3,500 persons. Workers and their families occupy some 500 cottages, while barracks and single-room units have been erected for unmarried employees. A shopping centre, two churches, a school

accommodating over 500 children, town hall and picture theatre, sports ground, tennis courts and children's playing areas have also been provided.

Coming as they do from practically uninhabited catchment areas, the Nepean and Woronora water supplies normally require no treatment. Warragamba water, gathered from a catchment area of 3,383 square miles embracing considerable centres of settlement, is chlorinated as a safeguard against harmful bacteria. Samples of water are taken daily from representative points throughout the storage and distribution systems and subjected to bacteriological and chemical analyses. In this way a comprehensive check is kept on the quality of the supply.

However wide his vision, Governor Phillip could never have foreseen that the water supply of the settlement he established on the banks of the Tank Stream would become a multi-million pound enterprise supplying water to well over twice the population of London of those times. He could never have imagined that the infant colony which drew the few gallons of water if wanted from a quiet tree-lined stream would come to want as much as 327 million gallons of water (drawn through 6,204 miles of mains and pumped by 71 pumping stations to 123 reservoirs) in a single day; that it would one day become an industrial giant with an almost insatiable thirst; or that the first blacksmiths of the colony who used a few gallons of water were the forerunners of a steel industry which now requires 65,000 gallons to make a single ton of steel.

Nor could those early settlers have envisaged that modern Sydney would need an annual expenditure of more than £24,000,000; the combined efforts of a technical and administrative staff numbering over 9,000 (or more than the whole white population of Australia for the first twenty years of its history); and a vast organization working around the clock on every day of the year to meet the water, sewerage and drainage requirements of this, the second largest white city in the British Commonwealth of Nations.

July Summary.

BERRIMA. One lost time accident occurred during July: L. Morris contracted a corneal ulcer in the right eye as a result of a dust particle lodging in the eye.

Again, the point is brought out that safety goggles should be worn when working in a dusty area, in fact, this applies to almost any part of the works especially when the dust is driven along by such gusty winds as we are experiencing at the moment. Remember goggles are there for the asking.

MARULAN.

2 lost time accidents for the month and at 31st July the whole plant had 4 accident free days on the board.

MEDWAY.

Only one lost time accident was recorded at the Colliery for the month which occurred on the 30th.

ATTENTION MINERS!!

A new SAFETY BOOT with a vulcanised sole has recently appeared on the market, and is proving to be highly satisfactory in the mining industry. These boots are claimed to stand up to hard and tough conditions and outwear the leather sole by miles.

The new boots will be available from the store in the very near future at a price of 65/9 less a 12/6 subsidy by the Company. Miners have the opportunity of getting a further subsidy from the Coal Miners Insurance Co. to the tune of 7/-. A 19/6 saving can therefore be effected so "be-in-it", get a pair of boots and "play safe".

oooooooooooooooooooooooo

A MATTER OF INTEREST.

From a 1949 edition of Contact we have extracted the following paragraph: -

"Record smashing continues at Berrima, where the wheels of industry are turning at high speed.

The monthly record has again "gone by the board". Previously it was 14,575 tons of clinker produced, but in May production reached 15,141 tons, which tonnage was surpassed in September for a month's total of 15,365 tons, and in October a further monthly record of 15,960 was established."
(See page 5 for comparison.)

THE TILTING TOWER.

After more than seven centuries of precarious existence the Leaning Tower of Pisa, one of the Seven Wonders of the world is within measureable distance of extinction.

Underground braces and injections of concrete prescribed by engineers have failed to halt the Tower's wilful drift to self destruction.

Already 17 feet out of alignment, the Tower is tilting at a steady rate of one inch every 40 years. This does not seem much, but engineers say that a few more inches will send it crashing and only a miracle will make it last beyond the year 2,000 A.D.

So delicate is the balance of the Tower, that the prevailing wind, which blows from the Mediterranean, has prolonged its life by centuries.

Failing a miracle, the Leaning Tower Society, which controls the building, is faced with two equally distasteful alternatives:

It can have the Tower jacked upright or build another tower alongside and brace the Leaning Tower in position with steel bands.

Either way, the Tower would lose its charm - and worse, most of the 150,000 tourists who visit it annually.

Strangely, no record exists to show whether the Tower was built with a slant or sagged afterwards.

A colourful legend says that one of its architects was a hunchback who deliberately built a crooked tower as a bitter jest against the fate which twisted his own body.

Modern architects, however, are satisfied that the Leaning Tower got that way because the foundations were not deep enough and one side sank into the soft mud of Tuscany - a theory backed by the fact that Pisa has two other tilted towers.

The Tower had perhaps its narrowest escape during the earthquake of 1846. Afterwards, eyewitnesses swore that the Tower actually touched the ground and bounced upright again. Unlikely as the story was it was widely believed at the time.

To keep watch on such emergencies, scientists from the University of Pisa have installed a seismograph in the base of the Tower. The instrument is so sensitive that it registers the blast of car-horns within a mile of the Tower.

It can be well imagined what happened to the instrument when an artillery shell scored a direct hit on the Tower during the battle of Arno in 1944 and jarred loose three pillars from the third level.

Though the Leaning Tower Society is resigned to the inevitable, it has no immediate fears and has not bothered to take out insurance for tourists.

There may be a lingering doubt in the minds of the townspeople who live in the shadow of the menacing Tower. They know that if it does topple, it will crash squarely into the Piazza del Duomo, and wipe out the popular Cafe Duomo.

Locally, the Piazza is known as "The Place of Miracles" - which may indicate a degree of wishful thinking.

@@@@@@@@@@@@@@@@@@@@

The farmer had his young nephew from the city visiting the farm for the first time. The boy watched wide-eyed as Mr. Hyde, the cattle buyer, made his way through a herd pinching and prodding the cows.

"Uncle George, what's he doing that for?" asked the boy in a loud whisper.

"He's just making sure they have good solid flesh on 'em before he buys 'em. So he tests their flesh and generally gives them a good doing over."

Some days later the farmer was appalled when his nephew dashed up to him in the meadow, and blurted out, "Uncle George, you'd better get back to the house quick! Looks like Mr. Hyde is thinking of buying Aunt Genevieve!"

@@@@@@@@@@@@@@@@@@@@

OUR YOUNG FOOTBALLERS.

After quite a few weeks of organisation, a team of under 16 year old footballers from around Berrima was finally built up for a game on 4th July. The match took place at the S.P.C. Oval and our boys were lined up against the Robertson under 16 team and although they gave away a good deal in weight and experience, they gave a creditable performance. It was obvious that our boys were outclassed but they stuck to it throughout and some exciting periods of play were witnessed. The two Mott boys, Peter and Trevor, both performed well while Ray Mordue showed good form when called upon to tackle his heavier opponents.

The outstanding player for Robertson was Gary Virtue as goal kicker. This young player could show a lot of senior grade kickers a point or two and no doubt we will see more of him in future years.

A game was arranged the following week against the Mittagong Farm Home boys and this match had a weight limit of 8 stone 7 lbs. It proved to be a more even match and the Berrima lads went down fighting 16 points to 10. It was encouraging to football followers to see so many of the young brigade interested in the game and with careful administration these young players could be the stars of to-morrow.

SENIORS.

The Berrima football team seemed to lose form just when they needed it most and when Bundanoon gave them a thrashing to the tune of 46 to 4, it sealed their fate as far as making the semi-finals was concerned. However, a lot can be said for the manner in which they faced up to the two matches since the Bundanoon affair. They played the two leading teams, Warragamba and The Oaks, and although beaten, they played two sturdy games. The club is determined to see the season out and will field full teams for their remaining matches.

BASKETBALL.

The S.P.C. team players are still as keen as ever and will enter the final round in equal second position. They are confident

19.
they will play in the finals and have some very good performances to back up their claims.

This team has noted with interest the fact that Marulan South has a team which is also doing well in its competition and would be pleased if a match could be arranged. How about it Marulan.

HOCKEY.

S.P.C. No. 1 team is still undefeated and indications are that it is improving with each game. If confidence counts, it has the district competition all sewn up. Peter Middleton, one of the new players of the team, deserves mention for the way in which he has improved his game and a bright future is tipped for him in this sport.

A close contest is taking place between Petter Mott and Ken Noble to see who will score the most goals during the season. With five more matches to be played before the finals, the individual scores stand at, Peter 22 goals scored and Ken 19. Peter scored 8 of his goals during one match when his team established a record by beating a Bowral team 20 goals to nil.

Three players from the team were invited to play with the Moss Vale Warriors in a carnival held at Harden on Sunday 25th July. They made the trip and the team was successful in bringing home the consolation cup after participating in five games. The three players who attended this outing were Ken Noble, Ron Williams and Ken Mott.

The No. 2 team has not met with the same success as No. 1 but being made up of a large percentage of beginners, is satisfied to carry on and gain the experience offering and exploit it to advantage next season. The team's best performance to date is a 2 all draw against Bowral and the players who have shown most improvement are Don and Jimmy Moore and Stuart McKee.

LADIES HOCKEY.

S.P.C. Rozellas have had mixed results during the month and will have to improve during the next round to get into the first four of the competition. The girls show a lot of keenness and there is always an abundance of players ready to take the field each week. The experience they have gained this year will go a long way in help-

ing them field a solid team next year. One thing is certain - ladies hockey has come to Berrima to stay!

BOWLS.

Harold Sheather was beaten in the final of the Minor Singles Championships at the Moss Vale green during the month, but he was far from disgraced as his performances throughout the event were quite creditable. This being his first year in competitive bowls, Harold has done well to reach the finals.

Alwyn Counsel of Bundanoon Bowling Club was favoured to win the singles Championship of his club when he met Charlie Marr in the final. However, Alwyn had one of those "off" days that most sportsmen encounter and he had to be satisfied with runner-up position after a closely contested game. Better luck next year Alwyn !

Jim Dray's name appears amongst the winners of the Moss Vale Four's this year. This trophy, along with the Singles Championship, has netted Jim two very coveted prizes for a year of very fine bowling. Congratulations Jim!

MARULAN BASKETBALL.

The Fellowship Basketball team has been having a bad run lately, but with more experience and practice will no doubt show up to advantage next season. However, the team finished on a bright note by beating South Marulan at a recent match. Apparently there is keen competition between these two teams and all games have been vigourously contested by both sides. We look forward to seeing them in action next season.

@@@@@@@@@@@@@@@@@@@@

The city girl asked a dairyman why cream was so much more expensive than milk. "Its the cows' fault, ma'am", was the explanation. "They find it much harder to sit on the small bottles".

@@@@@@@@@@@@@@@@@@@@

"What's your candid opinion of my new novel?" asked an author anxiously. "Its worthless", was the blunt reply. "I know", persisted the author, "but I'd like it anyhow".

In view of the growth of S.P.C. sporting activities a proposal is now being examined for extensive improvements to the present oval.

The area is being planned to accommodate two hockey fields (to cater for carnival days) a football field and a cricket oval.

The new fields are to be orientated in a North-South direction to minimise the blinding effect of a setting sun. To do this, extensions to the present area will be necessary and a large quantity of filling will be placed in the South-East and North-West corners to provide a reasonably level area.

The entrance from Taylor Avenue is to be re-aligned and improved and car parking areas will be provided on both sides of the field. The existing shelter shed and cricket pitch will be retained with the addition of ornamental shrubs around the shed.

Outside the playing area, the grounds are to be improved by the planting of selected trees. A windbreak is also planned to reduce the dust and wind problem.

No doubt you will agree, that Remembrance Driveway is an excellent example of what trees and grass can do for a drab landscape. When completed the Oval should be a showpiece for New Berrima with its "New Look".

It will be appreciated by all that a period of time must be allowed to carry out this work. To reduce the time to a minimum it is proposed to commence the work early in the New Year. The area will be partly filled by this time and after digging up the surface and final grading, a selected grass seed mixture will be sown and the winter season sports should be able to commence on a newly grassed and greatly improved surface.

The scheme as a whole will no doubt be highly appreciated by those who participate in the sporting activities of S.P.C. and the "down-time" of the oval will be compensated for handsomely.

- WHAT'S GOING ON? -

NEW DINING HALL.

Authorisation has been obtained for a Dining Hall at Berrima and construction is to commence within a few weeks. the site chosen is that occupied by the present lunch room and the demolition of this shed is scheduled to begin next week.

The proposed building is rectangular in shape approximately 70' x 30', constructed of Duracrete blocks on a concrete floor. Although designed on a purely functional basis, the building will present an attractive appearance, with large glass areas facing North to take full advantage of natural sunlight.

Some 70% of the area is devoted to dining space with tables of chrome-laminex with matching chairs capable of seating six persons.

Fluorescent lighting combined with attractive colour toning should provide a very pleasing atmosphere for this new amenity. The building will also provide an excellent meeting place for safety meetings and conferences.

DRINKING WATER.

A sample of spring water from under the boiler house was recently tested by the Health Department and has been found to be entirely satisfactory for human consumption. Work is now in hand to trap this water and pump it to a 1000 Gallon storage tank from whence it will be reticulated to the lunch rooms and other parts about the works.

POWER HOUSE ALTERNATOR.

A new turbine is on order from British Thompson Houston Ltd., England and it is expected that it will be installed on No. 3 Alternator early in 1960. The new turbine is rated at 3125 Kilowatts compared with a rating of 2500 Kilowatts for the existing unit and the additional 625 Kilowatts of power available will enable us to operate an extra ball mill on our own station.

The new set is of high efficiency, having a low steam consumption and boiler steaming capacity will not have to be increased.

BULK CEMENT HANDLING PLANT - VILLAWOOD.

To cope with increasing sales in the Metropolitan area a new bulk cement handling plant is being

constructed at Villawood, about 18 miles south-west of Sydney.

B.R.H. bulk trucks from Berrima Works will be unloaded by a discharging system of screw conveyors and elevators at the rate of 80 tons per hour.

Two storage bins, each of 110 ton capacity will gravity discharge into road trucks at two loading points.

One of the important features of this plant is the de-dusting equipment provided to give efficient control of all dust. At the rail intake point a five section Van Gelder complete with a 40" fan will be supplied. A three section Van Gelder will look after the remainder of the plant, the main points being, the elevator head, separate delivery bin exhausts, bulk road cement trucks (flexible connection).

All amenities will be pressurized to prevent cement dust from leaking into the rooms.

The building will be of concrete block construction and the aesthetic aspect is to blend with the surroundings and adjacent buildings. A weighbridge and office completes the general outline and the plant is served by a railway siding from the Commonwealth Siding near Leightonfield Station.

The plant is expected to be operating by the end of 1959 and will be staffed initially by two operators.

- WELFARE NEWS. -

XMAS TREE

Arrangements for the S.P.C. Annual Christmas Tree and Picnic are now well in hand and all employees who are not at this stage contributing to the Fund are invited to join up immediately so they can make their payments over the next five months and so enjoy the benefits of this worthy event. Full membership by all employees is required to make this function a complete success for our families.

To assist the Secretary in compiling the necessary figures a questionnaire has been distributed which should be completed and returned to the Secretary for your Union Rep. as soon as possible. If you have not already received a questionnaire, get one now from Les Humphries or your time-keeper. Act now and make Xmas worthwhile for the Kiddies.

PERSONAL PARLS.

HEARD ON THE GRAPEVINE.

BERRIMA:

Micheal John, are the names chosen by Mr. & Mrs. Keith Graham for their new baby son. The youngster was born at Wingecarribee Hospital on July 5th. Congratulations Keith!!

~~~~~

Mr. & Mrs. Bert Mulready are proud parents of a son born on 30th June. Kevin Percival are the names chosen for the new arrival. Congratulations Bert!!

~~~~~

Tommy Lewis has returned to work after a brief stay in Bowral Hospital where he underwent a minor operation. We hope you are feeling fit again Tommy!

~~~~~

John Coupe has again been admitted to a Metropolitan Hospital where he will undergo specialised treatment. John is expected to be back with us in the near future and we hope 100% recovery is effected. Best of luck John!

~~~~~

Another employee to resume duties after a long illness is Bob D'Adam. Bob is now looking very fit and we hope all is well again with him.

~~~~~

Phil Dudley will be leaving us soon to take up duties at our Sydney Office. Best of luck Phil in the "Big Smoke"

~~~~~

MARULAN.

OBITUARY.

The S.P.C. News regrets to announce the death of Mr. Les Moore at St. Vincents Hospital, Sydney. He was an employee at the Marulan Quarry. To his family we offer our sympathy and condolences.

~~~~~

The solution to No. 3 Problem is set out as the score sheet below.  
Miss Margaret Thorpe is awarded 10/- for this problem.

| No.                             | Batsman       | Runs as Scored | How Out | Bowler  | Total   |         |       |      |      |      |    |
|---------------------------------|---------------|----------------|---------|---------|---------|---------|-------|------|------|------|----|
| 1.                              | Anson         | 4:1.1          | Bowled  | Brown   | 6       |         |       |      |      |      |    |
| 2.                              | Betson        | 4.4            | "       | White   | 8       |         |       |      |      |      |    |
| 3.                              | Copson        | 1.4.1          | "       | Brown   | 6       |         |       |      |      |      |    |
| 4.                              | Dobson        | 1.4.1          | "       | Brown   | 6       |         |       |      |      |      |    |
| 5.                              | Elson         | 1.4            | "       | Gray    | 5       |         |       |      |      |      |    |
| 6.                              | Frisson       | 4              | "       | Brown   | 4       |         |       |      |      |      |    |
| 7.                              | Goodson       | 4.1.1.1        | "       | Brown   | 7       |         |       |      |      |      |    |
| 8.                              | Hobson        | 1.1.4.4.4.1    | "       | Brown   | 15      |         |       |      |      |      |    |
| 9.                              | Iveson        | 4.1            | Ct.Gray | Brown   | 5       |         |       |      |      |      |    |
| 10.                             | Jameson       | 1              | NOT OUT |         | 1       |         |       |      |      |      |    |
| 11.                             | Kerson        | 1              | Bowled  | Brown   | 1       |         |       |      |      |      |    |
|                                 |               |                |         | EXTRAS  | 0       |         |       |      |      |      |    |
|                                 |               |                |         | TOTAL   | 64      |         |       |      |      |      |    |
| Runs-at the fall of each wicket |               | 1              | 2       | 3       | 4       | 5       | 6     | 7    | 8    | 9    | 10 |
|                                 |               | 6              | 12      | 18      | 23      | 31      | 41    | 44   | 62   | 62   | 64 |
| Bowler                          | 1             | 2              | 3       | 4       | 5       | 6       | Overs | Mdns | Runs | Wkts |    |
| Brown                           | 4 : . W : . i | M              | W : . i | M       | W : . i |         |       |      |      |      |    |
|                                 | . : . i       | . : . i        | . : . i | . : . i | . : . i | . : . i | 11.2  | 2    | 14   | 8    |    |
|                                 | . : . i       | . : . i        | . : . i | . : . i | . : . i | . : . i |       |      |      |      |    |
| Gray                            | . : . i       | . : . i        | . : . i | . : . i | . : . i | . : . i | 6     | 0    | 15   | 1    |    |
|                                 | . : . i       | . : . i        | . : . i | . : . i | . : . i | . : . i |       |      |      |      |    |
| White                           | 4 4 4         | M              | M       | M       | 4 1 4   | M       | 6     | 4    | 35   | 1    |    |
|                                 | 1 W 4         |                |         |         | 4 4 1   |         |       |      |      |      |    |

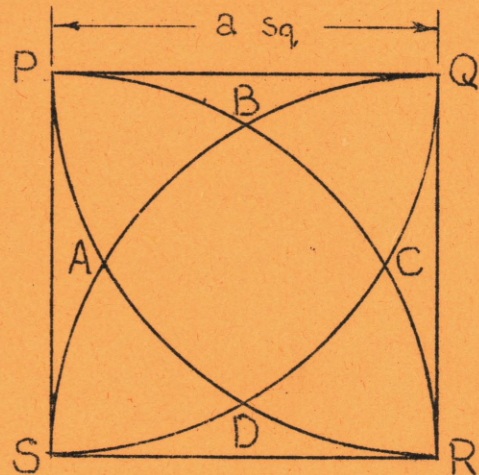
No. 4 Problem required a little time and probably the use of a dictionary. We of the Editorial staff found 121 words derived from the letters of SOUTHERN, but no doubt this figure could have been increased slightly. The award of 10/- goes to Jack Mott with a score of 120.

26.

JULY PROBLEMS.

PROBLEM No. 5

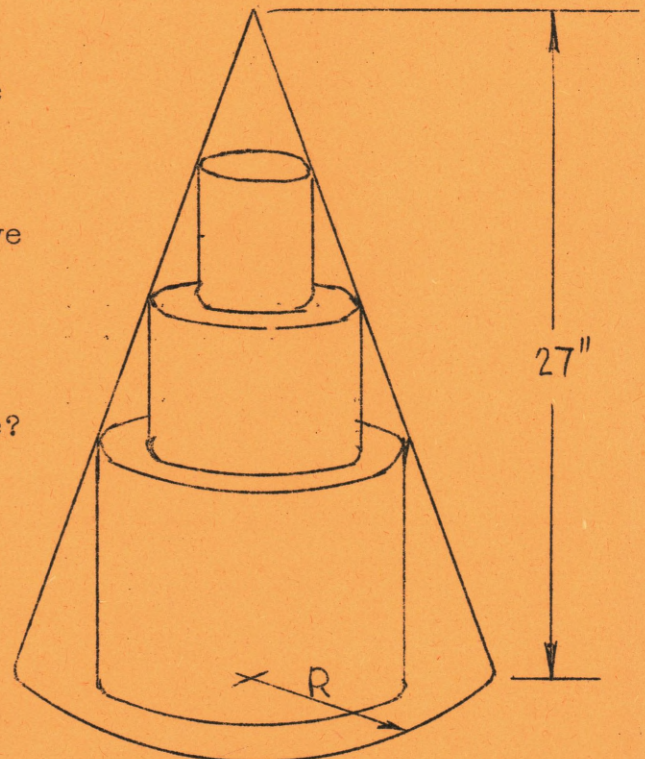
PQRS is a square with sides  $a$ .  
Arcs are described with centre P, Q, R, and S and radius  $a$ . Find the area of the figure ABCD enclosed by the arcs.



PROBLEM No. 6

It is necessary to cut the three largest possible cylinders from a solid wooden cone 27in. high (see diagram).

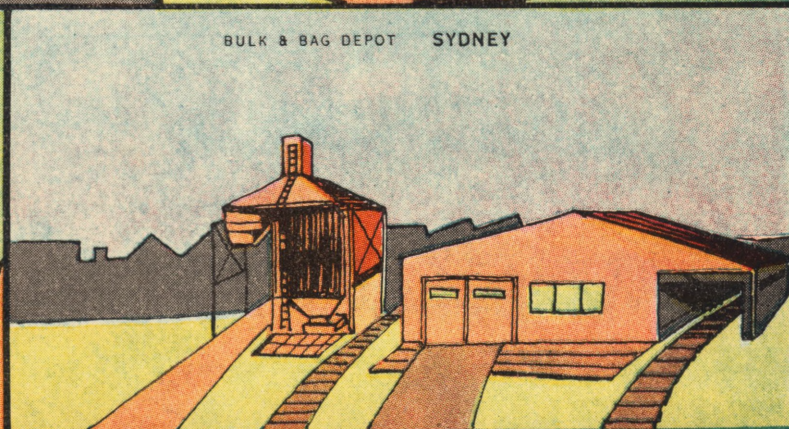
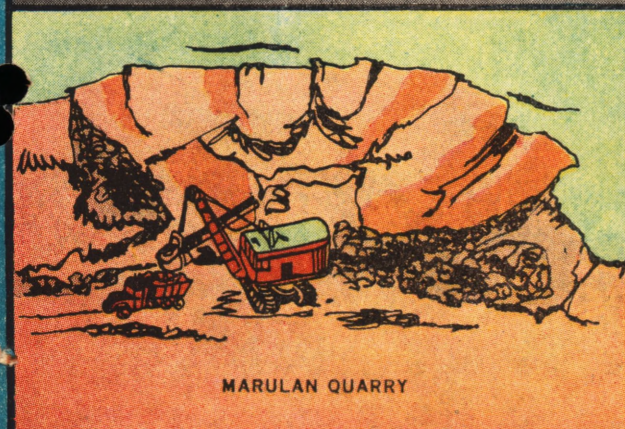
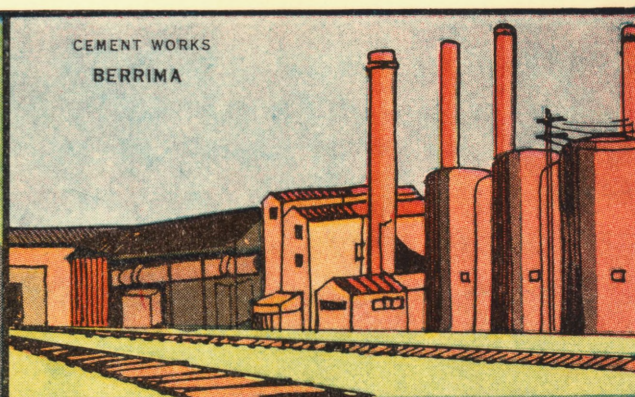
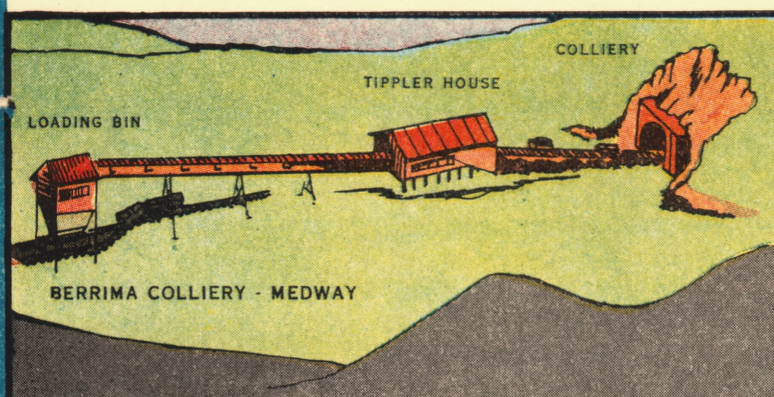
1. What will be their respective heights?
2. What fraction of the total volume of the original cone will have to be cut to waste?



September

# S.P.C.

## MONTHLY NEWSLETTER



MEDWAY - MARULAN - BERRIMA - SYDNEY

-- S. P. C. NEWS --

Vol 1 No 9

September, 1959

C O N T E N T S

|                               |         |
|-------------------------------|---------|
| Editorial - - - - -           | 2       |
| General Manager's Notes - - - | 3       |
| Production Notes- - - - -     | 4       |
| Atomic Power Stations - - - - | 5 - 6   |
| Safety News - - - - -         | 7       |
| The Jet Age - - - - -         | 8 - 9   |
| Sporting News- - - - -        | 10 - 11 |
| Personal Pars- - - - -        | 12 - 13 |
| Problem Page - - - - -        | 14      |

---

## E D I T O R I A L

Apparently nobody wants the 10/- offered for the solution to our problems. Not one entry was received for the last month's questions, therefore the prize jackpots to £1 for this month's problems.

We did not receive any complaints about the difficulty of the problems so can only assume that interest is lacking. We look forward to receiving a host of entries this month.

It is heartening to see all these new records being established. All plants have established records for production during August.

The production bonus had its humorous aftermath as could be expected. Numerous non-smoking employees were besieged by nicotine starved addicts who pleaded, cajoled and threatened for the favourable hand-over of packaged nerve-sticks. One unlucky recipient of the bonus fell into the river complete with two double packets. No amount of drying out in the sun could restore the fragrance of the sodden, pulpy mess which he extracted from his pockets.

In any event, the spirit in which this bonus was received augers well for further smashing of records.

Spring is definitely here!! As proof we offer the family of plovers strutting around in the swamp near the weighbridge. Two chickens were hatched from 3 eggs. Would-be sightseers are warned that mother and father take a dim view of anyone approaching too close and are quite prepared to protect their young. They have a very interesting 'dive-bombing' technique.

Until next issue

Yours

EDITOR.

GENERAL MANAGER'S NOTES.

I am sorry to have to inform you that Mr. P. R. Dyball who has been actively associated with the Company since its inception, has had to retire as a Director and Chairman of "Southern" due to ill health. Mr. Dyball was ~~the~~ first Secretary of the Company and subsequently became a Director in 1949, and Chairman in 1957 upon the retirement of Mr. Hoskins.

His association has been of considerable benefit to us and his counsel will be missed from the Australian Cement Industry.

It is hoped that his health will recover sufficiently to allow him to enjoy the years of retirement ahead of him.

Mr. A. A. Parish has been appointed Chairman in Mr. Dyball's place and we are looking forward to having him with us again. The old hands among us will remember Mr. Parish from the days when he was Works Manager at Berrima in 1948 and 1949, from where he went back to the Steel Works at Port Kembla to eventually become General Manager.

Also during August occurred the untimely death of Mr. A. S. Hoskins, who with his brother Mr. Cecil founded Southern Portland Cement, and was a Director until 1949. To his family we extend our deepest sympathy.

GENERAL MANAGER.

PRODUCTION NOTES - AUGUST, 1959.MARULAN QUARRY

Limestone ..... 95,394  
 Mullock ..... 14,639

In addition to the above figures 2,490 tons of low grade fines were dumped.

Good digging on the 1790 ft. bench allowed the Quarry to put up the following new records during the last week of the month :-

Week ..... 28,641 tons  
 Day ..... 5,818 "

The daily average for the month of 4,519 tons was also a new record.

Congratulations to the Quarry for their fine effort.

BERRIMA COLLIERY

Coal ..... 10,326

Production per miner was 11.6 tons/shift and 4.9 tons per employee.

Loss of time due to industrial disputes towards the end of the month affected production however when the difficulties are ironed out we expect the Colliery will be back into record breaking form again.

CEMENT WORKSPower

The Power House set a new energy output record of 4,542,406 KW. hours which represents an average load during the month of 97.7% of rated capacity.

Clinker ..... 25,167 (Record)

The kilns were also in record breaking form during August and a clinker production record was achieved. No. 4 Kiln also had its best month making 12,662 tons of clinker. There were some small delays for repairs to No. 3 Kiln burning zone and No. 4 cooler bricks, so if these stoppages can be eliminated during September we will be well on the way to another clinker record.

Cement Sales ..... 22,062

August sales were on a par with July, the falling off in sales to Warragamba Dam being just offset by increased ordinary cement trade.

## - - THE NUCLEAR POWER STATION - -

In this fast-moving era new developments are upon us so quickly that often we can hardly find the time to understand what they are all about, before they are part of our daily lives.

The nuclear, or the "atomic" power station, as it is sometimes called, is a case in point. Here is a tremendous project which most people 'know about' -- but not many understand.

We would therefore like to highlight a few of the facts about this wonderful achievement for you.

### WHY ARE NUCLEAR POWER STATIONS BEING BUILT?

Because, in the future, we must have an ever increasing, abundant supply of power. This is absolutely necessary if we are to improve our standard of living and maintain our place in the world of commerce.

### ARE WE EXPLOITING OUR WATER POWER?

Hydro-electric development is proceeding throughout Australia and the United Kingdom, but the U.K. possesses less than one per cent of the world potential of water power. Room for exploitation is, therefore, comparatively small. Australia, although low in potential water power resources (based on world figures) and not so densely populated, is therefore not exploiting nuclear power stations to the same degree as the U.K.

### AND THE OIL-FIRED POWER STATIONS?

Comparatively speaking, few power stations are oil-fired. Also, the world demand for oil is still rising; already it has to supply one-quarter of world energy requirements.

### COAL FIRED STATIONS

It is expected that coal will remain, for many years, the most important source of energy. However, coal production is unlikely to be able to keep pace with the anticipated growth of demand.

### WATER - THE FUTURE

The heavy hydrogen in water is sufficient to supply the world with all the energy it can use for a million million years. To-day, this is a practical possibility -- as Britain's Harwell scientists

demonstrated to the world on their ZETA equipment in January 1958, but many years of development lie ahead before hydrogen power can be turned, ideally, directly into electrical energy.

#### TO SUMMARISE.

It is confidently expected that the first of the nuclear stations - and certainly any future ones - will soon be economically competitive with coal-fired stations, and as time goes on they should generate electricity more cheaply. Even in the first stations it is expected that one ton of uranium will produce as much heat as about 10,000 tons of coal.

#### HOW DOES THE NUCLEAR STATION DIFFER FROM CONVENTIONAL POWER STATIONS?

Fundamentally, in one respect; the fuel used in the heating of water to raise steam.

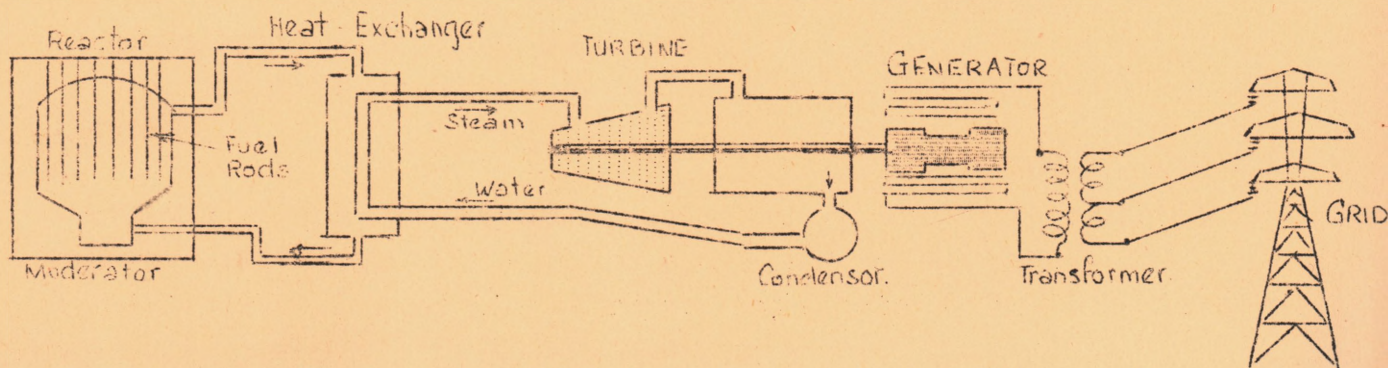
In the conventional station the heat is usually produced from the burning of coal or oil. This is basically an oxidation process, carbon or hydro-carbons being the oxidisable material.

In the nuclear station the heat is created by the controlled "fission" of uranium or plutonium. This is not an oxidation process. The heat comes from the splitting of the atomic nuclei. The process has to be carried out in specially designed reactors under carefully controlled conditions.

The heat generated in the reactors of the first nuclear power stations is transferred by carbon-dioxide gas under pressure to heat exchangers. These heat exchangers are in fact boilers which raise steam to drive the turbo-generators.

Basically, therefore, nuclear energy uses a new "fuel". Once the steam is raised, the use to which it is put is the same as in the conventional type of station.

#### SCHEMATIC DIAGRAM.



SAFETY FIRST  
AUGUST SUMMARY

BERRIMA: During August there was one lost-time accident when an apprentice electrician suffered a first degree burn to his leg which later became infected. This accident broke an accident free period of 383 days for the Electrical Shop.

Again, it is emphasised that treatment should be obtained for all accidents, no matter how small, and instructions given by the Ambulance Attendant should be adhered to.

The following figures indicate the number of days each Plant Group has attained without a lost-time accident at 3rd September 1959.

| GROUP DESIGNATION      |   | DAYS | GROUP LEADER         |
|------------------------|---|------|----------------------|
| Production             | A | 400  | R. J. Croese         |
| "                      | B | 503  | L. J. Brown          |
| "                      | C | 463  | G. Whitley           |
| "                      | D | 414  | J. Stedfut           |
| "                      | E | 408  | P. Moran             |
| "                      | F | 424  | J. Colquhoun         |
| "                      | G | 385  | C. McGregor          |
| "                      | H | 385  | R. Boyd              |
| Maintenance            | A | 290  | W. Saker             |
| "                      | B | 1    | W. Rutter            |
| "                      | C | 424  | A. Parker            |
| Power House            |   | 223  | E. Radnidge          |
| Electrical             |   | 7    | J. Medland           |
| Stockhouse             |   | 132  | L. Bush              |
| Construction           |   | 237  | W. MacDowall         |
| Gen. Office & Drawing) |   |      | M. Jones, W. Parsons |
| Office & Laboratory )  |   | 67   | and S. Marshall.     |

MARUIAN: Five lost-time accidents were recorded during the month of August. The position of the various groups as at 31/8/59 was as follows :-

|         |   |         |
|---------|---|---------|
| Group 1 | — | 19 days |
| " 2     | — | 14 "    |
| " 3     | — | 228 "   |
| " 4     | — | 6 "     |

COLLIERY: Eight lost-time accidents occurred during August.

- - THE JET AGE - -

Wherever the big jet airliners have appeared, they have been greeted by protests against their noise. It is unlikely, however, that even our children's children will see a silent jet, for jet engines are by nature noisy beasts.

To begin with, their operation depends on expelling huge quantities of hot gas at fantastic speeds. Under full throttle at sea level, the gas leaves the engine at speeds up to 767 miles an hour and when this roaring torrent strikes the comparatively stationary air outside, the effect is something like playing a giant fire hose on the surface of a pond.

In the knotty problem of muzzling the giants, engineers found one helpful factor: High pitched sounds do not carry as far as low ones. Their efforts to design silencers have been based on this fact.

Silencers on jet liners now in Australia consist of 21 slightly tapered outlet pipes designed to raise the pitch of engine sound. They are remarkably efficient.

Though harassed citizens living near international airports find it hard to believe, the jets are not only quieter than the conventional airliners they have grown used to, but because of their great speed and superior rate of climb, the take-off sound does not have to be endured as long.

This concession to the eardrums of groundlings is made at considerable economic sacrifice because the best silencer so far designed reduces the aircraft's range by almost four per cent.

It has been calculated that a loss of even one per cent in range means that perhaps two paying passengers must be left on the ground.

Oddly enough, the noise problems in jets apply only to those who do not fly in them.

The cabin of a jet plane is far quieter than that of a conventional aircraft. Cross-aisle conversations are readily audible and when sleeping compartments become available it may be necessary to hush noisy parties in the club lounge to allow others to sleep.

Unlike propellored aircraft, the quietest place in a jet is up forward near the engines. This is because the silencers have altered the pattern of the exhaust and engine sound does not strike the side of the cabin.

It has been found necessary to concentrate most of the noise insulation at the rear — not, as it might be supposed, to counter engine noise, but to damp a noise peculiar to jet flying at speeds close to 600 miles an hour. This sound, called "boundary layer noise" is caused by the rush of air past the outside of the fuselage like water rushing past the hull of a racing yacht.

Distracted citizens, plagued by the scream of a low-flying jet, may or may not find comfort in the knowledge that its passengers are suffering nothing more annoying than the gentle whirring of the air-conditioner which is guaranteed to make their flight spring-time all the way.

---

#### - - THE SALESMAN - -

A salesman must be a man of vision and ambition, an after dinner speaker, before and after dinner guzzler, and night owl. He must work all day, drive all night, and appear fresh the next day.

He must be able to entertain customers' wives, sweeties, and pet stonographers without being too amorous; inhale dust, drive through snow 12 feet deep at 10 deg. below, work all summer, and not acquire B.O.

He must be a man's man, a ladies' man, a model husband, a fatherly father, a devoted son-in-law, and a good provider.

He must be a good credit manager, correspondent, must attend all dealer, jobber, labour union meetings, tournaments, funerals, and births — visit customers in hospitals and jails once a month, contact all accounts and collect delinquent accounts, and in spare time look for new business or missionary work.

He must be an expert driver, talker, liar, dancer, bridge player, poker hound, golfer, treader, diplomat; an authority on chemistry, palmistry, psychology, physiology, criminology, metallurgy, as well as an expert on dogs, cats, blondes, and redheads.

---

SPORTING NEWS — by Jack Mott.

BOWLS: Moss Vale bowling green was the centre of interest on Sunday 10th August, when five rinks of Metropolitan bowlers competed against Southern Tablelands teams.

It was indeed gratifying to see that S.P.C. employees were well represented in this event and those who acquitted themselves well were — John Fuller, Jim Dray, Alwyn Counsel and Fred Armstrong.

Congratulations to all four on their performance!

---

Johnny D'Adam, a newcomer to the game of bowls, caused an upset when he defeated a strong player, John Sheridan, in a handicap singles event in the first round of the "Marshall" Singles competition. Good work John!

---

Bill McDonnell, another beginner, showed good form to 'down' Norm Austin in the minor singles championship. This was Bill's first competitive game and he could be well up in the club honours if he maintains his present form.

---

A further surprise result in club games was witnessed when the crack S.P.C. team consisting of Fred Armstrong, Bill Rutter, John Fuller and Len Knight was beaten in the Club Four's event. To make it worse, two of the opposing team were S.P.C. employees, Dudley Crowe and Tommy Penfold, who played like champs in this particular event.

---

FOOTBALL: The Berrima Football Team finished the season on rather a dull note when they travelled to Campbelltown to play their last game. The Campbelltown team proved too strong for the local boys and final scores were 24 to 5.

Failing to make the first four in the competition has left the Berrima boys no alternative but to watch the finals from the sidelines and to hope for better luck next season.

The club had a very successful year financially and will have a tidy bank balance to start the next years matches. The usual season celebrations will no doubt take place but will not strain the finances to any extent.



# SPORTS

## 'SHOTS'

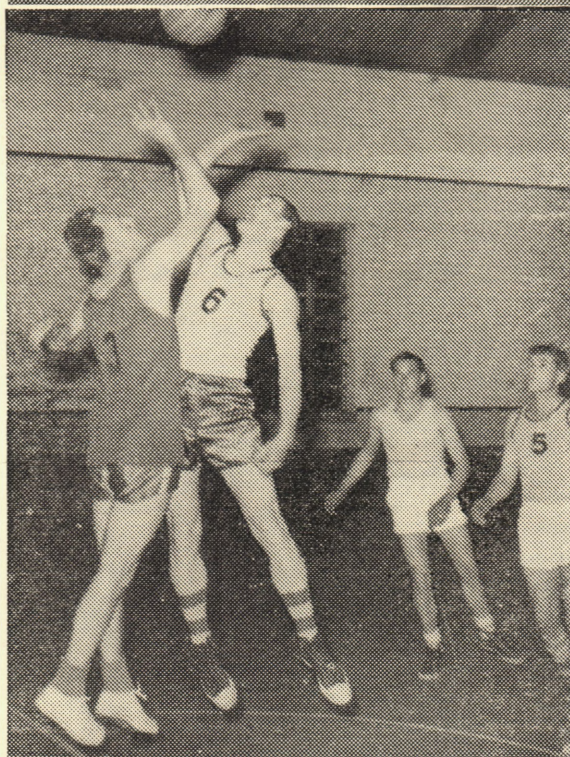
### S.P.C. No. 1

Left to Right:

K. Mott, J. Jarvis, G.  
Larsen, G. Carey, G.  
Hincenburg.

Kneeling:

B. Poland, T. Mott.



### JUMP BALL

G. Hincenburg and L. Veal.



### MARULAN No. 1

Left to Right:

E. Read, A. Koshenow,  
A. Chaplin, L. Veal, J.  
Galloway.

Kneeling: C. Shepherd.

Included in the Moss Vale Rugby League Team we find some S.P.C. workers who are performing well for this club. Les Foody in particular has shown his ability to lead the team into better form than the professional coach employed earlier in the season. John Townsend also deserves credit for his play in many of the team's victories.

---

HOCKEY: No.2 team played their last game of the season when they were defeated by the Moss Vale 'Rovers' in the first semi-final. The S.P.C. boys held the 'Rovers' in the first half of the match leading 2 nil at one stage. However, when the pressure was applied toward the end of the second half, they wilted and although the final score was 9 goals to 3, they were not disgraced as the opposing team is considered to be the only real threat to S.P.C. No.1 team.

The No.1 team will meet the 'Rovers' on Saturday 5th September in the finals and are all set to maintain their unbroken record of wins for this season. Should they be beaten in the final they have the right to challenge for the grand final. In next month's News we will publish a full account of this team's very impressive record for the Season.

---

BASKET BALL: The highlight in basketball last month was a visit by two teams from Marulan to play two S.P.C. teams. The match took place on the night of 13th July and was attended by an enthusiastic group of spectators, including Len Knight who was a 'sound' barracker for the Work's team.

Marulan was defeated in both games by a very small margin of points. In the first game they were down only 6 points after being unlucky on several occasions to miss the basket. Final scores in this game were 22 - 16. The second game proved a real thriller and had the crowd of spectators on their toes right up to the final bell. At half-time Marulan led by one point, 20 - 19. The game remained close during the second half and with only one minute of play remaining, Marulan led 36 - 35. In the final 15 seconds S.P.C. scored a basket to bring the score to 37 - 36 in favour of the Work's team.

A return match is eagerly awaited by both players and spectators. Opposite are on-the-spot photographs by our roving cameraman.

---

- - PERSONAL PAR'S - -

Heard on the Grapevine.

BERRIMA: Margaret Ellis, only daughter of Reg Ellis (Loco Driver) has started a career in the nursing profession. Margaret commenced a 2 years course at Renwick Hospital on August, 19th, and her services as secretary of the S.P.C. 'Rozellas' will be sadly missed. Best of luck Margaret!

---

Friday 31st July was the date chosen by 'Bertie' Canova to celebrate his 21st birthday. He entertained a group of workmates at his home and described the function as a 'bucks party'. Congratulations Albert on attaining your majority!

---

Bill Rutter is on long service leave and is travelling to Perth. This is the second time that Bill and his wife have made the trip by car to this lovely city. They have timed their visit to enable them to see the prolific show of wildflowers, a noted attraction of the western state.

---

Mr. and Mrs. Bill Remington and their daughter Helen, are enjoying a holiday at Bombala.

---

Alf Knappman's son has just returned from a tour of sunny Queensland. The tour was arranged by the Young Australia League and many showplaces on the Barrier Reef were included in the itinery.

---

Phillip Radnidge was successful in the District Junior Tennis matches held at Bowral on 2nd September. Phillip finished the series with a handsome trophy.

---

Another fine performance was given by Brian McIntosh, son of Bert McIntosh of the drawing office. Brian attended the Country Week Golf Tournament and turned in some very good figures consider-

ing that all games were played on different courses and all being unfamiliar to this young golfer. His outstanding round was on Friday, 28th August at Concord where he turned in 42 Stableford Points in a Four Ball event. This secured for Brian the runner-up trophy. A promising future is awaiting this lad in the golfing world.

---

We noticed Jack Mott's name featured prominently in the local newspapers in regard to his bowls wins. Apparently Jack was too bashful to include these results in his sporting round-up.

---

MARULAN: Archie MacFarlane has terminated his employment with the company after 9 years service. He has taken up a mixed business at Macquaries Fields near Sydney. We wish him all the best for the future.

---

Norm Willdin is absent following an unfortunate motor car accident. Our good wishes for a speedy recovery.

---

Two Marulan South lads rode brilliantly to win the Juvenile and Schoolboys road cycling championship at Goulburn. Fourteen year old Des Cosgrove won the 8 mile event in 21 min. 29 sec., whilst twelve year old Terry Bell secured the five mile event in 14 min. 56 sec.

---

MEDWAY: Roy Galloway is organiser of the mounted escort for the Mayor at the Bowral Festival of Flowers. The escort is being provided by the local C.M.F. unit and is made up mainly of S.P.C. employees. It won't be long before we'll be seeing some bewiskered gents sneaking around the Works as the event calls for period dress and orders have been given to grow side-levers.

---

-- PROBLEM PAGE --

PROBLEM NO.5: Although this problem only required a simple trigonometrical solution, nobody seemed to want to give it a try. The correct solution is as follows :-

Angle SBR is  $60^\circ$  (equil. triangle).

" SBA "  $\frac{(90^\circ - 60^\circ)}{2} = 15^\circ$

" BSC "  $30^\circ$

SC = SB = a

Sector SCB =  $\frac{\pi a^2}{12} = 0.2618a^2$

Triangle SCB =  $a \cos 15 \times a \sin 15$   
 $= \frac{a^2 \sin 30}{2} = 0.25a^2$

Segment BCE =  $(0.2618 - 0.25)a^2 = 0.0118a^2$

Square =  $(2 \times \sin 15a)^2 = 0.2679a^2$

Required area of figure ABCD =  $(4 \times 0.0118 + 0.2679)a^2$   
 $= 0.3151a^2$

PROBLEM No.6: Presented more difficulty but still no answer from our readers :-

Height of cylinders: 9 in., 6 in., and 4 in.

Fraction of cone wasted =  $\frac{2525}{6561}$

PROBLEM No.7: This is another word building problem. How many words of three letters or more can be formed from the letters of CEMENT? Here are a few examples:-  
 CENT, MEN, TEN etc.

PROBLEM No.8: Three married couples out on a picnic came to the bank of a river. A boat was available in which to cross the river but it could only carry 2 people at a time. The husbands were of a jealous nature and would not allow their respective wives to be alone on bank in company with either or both of the other men. In what order and in how many trips of the boat did the party cross the river.

REMEMBER these two problems carry prizes of £1 each.

# SAFETY GROUP

## *Production 'A'*

GROUP LEADER: R. J. CROESE.



Back: C. Morris, T. Buckley, F. J. Mitchell, J. Byfield, H. Purvis.

Centre: P. Sewell, N. Stokes, A. Shields, L. Adams, P. Dawes, F. Millard, K. Miners, I. Gilby, R. J. Croese.

Front: E. Tomkinson, M. Kiely, L. Hagen, G. Moore.

# 365 Accident-Free Days

## *Safety Group 'Electrical'*

GROUP LEADER: J. MEDLAND.



Back: R. Rainer, H. Ingolistch, S. Fleeton, J. Simpson, F. Hines,  
G. Morrison.

Third: W. Croese, F. Barciki, R. Larsen, D. McLaren, B.  
Wall, E. Molnar, J. Laird, P. Sewell.

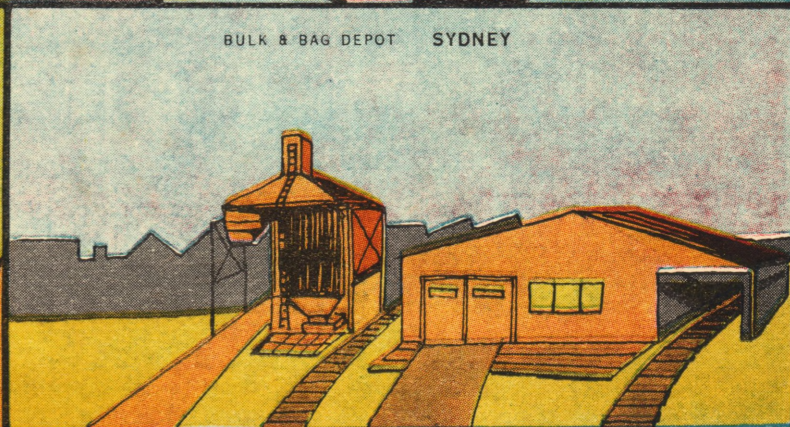
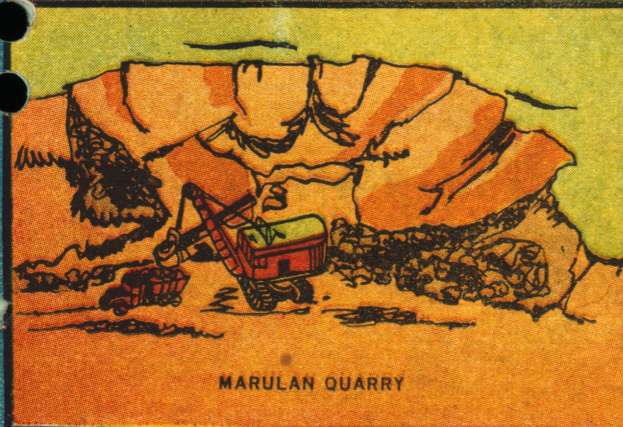
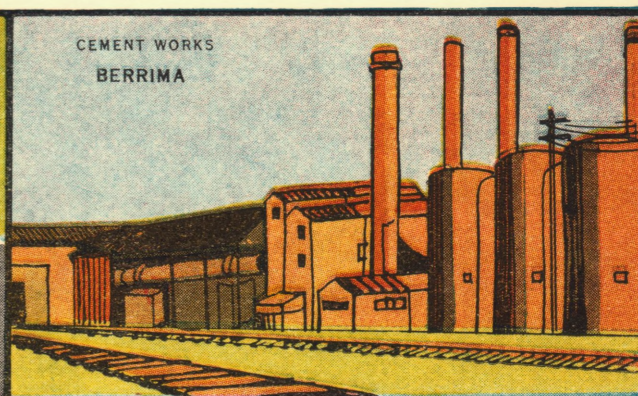
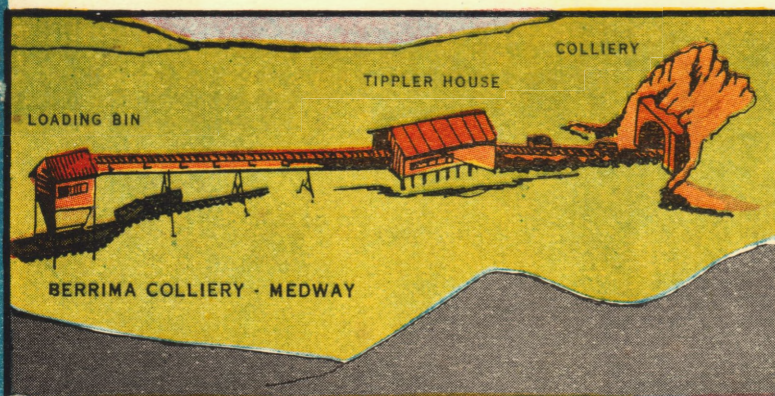
Second: A. Canova, K. Noble, F. S. Bomnar, J. D. Medland,  
C. Murray, R. Medland, J. Jervis.

Front: G. Jones, M. Zoomey, K. Mott, D. King, J. Grilz,  
J. Sabadussi.

October

# S. P. C.

## MONTHLY NEWSLETTER



MEDWAY - MARULAN - BERRIMA - SYDNEY

S. P. C. N E W S.

Vol. 1 No. 11.

November, 1959.

- C O N T E N T S -

|                                               | Page  |
|-----------------------------------------------|-------|
| Editorial . . . . .                           | 2     |
| General Manager's Notes . . . . .             | 3     |
| Production Notes. . . . .                     | 4     |
| Australian Driveabout by Mary Rutter. . . . . | 5 - 9 |
| Safety News . . . . .                         | 10    |
| Sporting News by Jack Mott .. . . .           | 11-12 |
| Rainfall in Australia . . . . .               | 13-15 |
| New Australians Amongst Us . . . . .          | 16-17 |
| Personal Pars . . . . .                       | 18    |
| Gardening Page by C. Crowe .. . . .           | 19    |
| Problem Page . . . . .                        | 20    |
| New Authorisations .. . . .                   | 21    |

REPRODUCED FROM THE ORIGINAL MANUSCRIPT BY THE NATIONAL ARCHIVES OF AUSTRALIA

Dear Readers,

This month we present two new articles for the Newsletter and we hope that they will be appreciated by all.

Firstly, it is our intention to present each month a brief article on our New Australian employees. Their stories prior to arriving in this country will no doubt be of interest especially in view of the fact that most of them are from European countries.

Secondly, we are proud to present a gardening page. The advent of this article stems from numerous enquiries by members of S.P.C. who have had difficulty with gardening by using the normal published aids. Unfortunately, these aids deal mainly with a Sydney climate and we know only too well that our climate differs greatly from Sydney.

It was therefore decided to approach Mr. Claud Crowe who very kindly agreed to produce an article to meet the requirements of our gardening enthusiasts. We feel sure that no better recommendation than Mr. Crowe's Berrima Bridge Nurseries could better fit him for the job.

Another point we wish to bring to the notice of our readers is the B.H.P. Photographic Contest. Closing date for this latest contest is 31st December, 1959, and entry forms are available at the General Office. If you require a form just ask your foreman and he will obtain one for you. Remember that this contest carries substantial monetary prizes and the category of photos you can enter is divided into four sections, namely:-

1. Colour: Landscape or seascape.
2. Colour: General interest and portrait.
3. Black & White: Landscape or seascape.
4. Black & White: General interest and portrait.

It is most heartening to receive items from readers such as that sent in by Mrs. Rutter. We hope that more readers will take the hint from this very fine article.

Until next issue,

Yours,

THE EDITOR.

- GENERAL MANAGER'S NOTES -

On Saturday, 31st October, I had the privilege and pleasure of representing the Company at the official opening of Tumut 1 Power Station, which marks the completion of the first phase of the Upper Tumut Works of the Snowy Mountains Scheme which embraces Adaminaby Dam, the Eucumbene-Tumut Pond Tunnel, Tumut Pond Dam and Tumut 1 Power Station.

The concrete work of these projects was mainly constructed with "Southern" cement and I was the butt of many jests as to the likelihood of the Power Station falling in during the ceremony. However, my presence was considered sufficient assurance that it would not.

Dame Pattie Menzies performed the opening ceremony and by closing a switch on the dais initiated the automatic starting sequence for the No. 1 Unit (80,000 kW capacity).

The following sequence of events then took place:-

- (1) The main valve bypass valve opened and filled the turbine spiral casing with water.
- (2) The main valve opened.
- (3) The turbine guide vanes opened partially to admit water to the turbine runner, which rotated the shaft and generator rotor.
- (4) The turbine governor and automatic voltage regulator adjusted the guide vane opening and excitation to give nominal speed and voltage.
- (5) Automatic synchronising equipment adjusted them to match the Electricity Commission system frequency and voltage.
- (6) Generator circuit breaker closed thus connecting the unit to the system which could then be supplied with load.

This sequence took approximately three minutes.

Our Power House operators will no doubt, be envious of this system which eliminates the rigmarole associated with the starting up and putting our Turbo-alternators on-line.

GENERAL MANAGER.

MARULAN QUARRY:

Limestone ..... Net 67,593 tons.

Mullock ..... 42,666 "

Production was affected by the low consumption at Berrima whilst only one kiln was in operation for most of the month and then heavy rain towards the end of the month.

The Marion Shovel reached the 1890 ft. level on the South Quarry and has started to develop an operating bench. The access road from the 1890 ft. to 1940 ft. was also completed with the bulldozer so that when the Marion completes benching it can travel straight to the 1940 ft. level for over-burden removal.

BERRIMA COLLIERY:

Coal..... Net 14,314 tons.

Production ..... 11.89 tons per shift per miner.

..... 5,36 " " " " employee.

The Colliery worked well during the month and the outputs per miner shifts and employee shifts were the best of any year and we offer our congratulations to the miners for this well earned achievement.

CEMENT WORKS:

Power..... 2,601,264 kilowatt hours.

During October an "A" overhaul was done on No. 1 Turbo-alternator, and a major overhaul to No. 5 Boiler. The new turbine on order to replace the turbine on No. 3 Turbo-alternator has been further delayed in England and is now not expected at Berrima until February, 1960.

Clinker..... 11,354 tons.

Clinker output was restricted during the month to conserve power which we would have had to buy from the Berrima County Council whilst the No. 1 Turbo-alternator was off. As a result our clinker stock was run down to a more manageable level.

Cement Sales ..... 20,600 tons.

Cement sales were hit to leg by the heavy rainfall we experienced in the latter half of the month, especially in the Canberra and Wollongong areas which are substantial markets for "Southern" cement.

More heavy rain is forecast for November, however we hope it holds off so that sales can be maintained on a higher level.

Warragamba Dam is now rapidly nearing completion and there is only another few thousand tons needed to complete the Contract.

A description by Mrs. Mary Rutter of a tour to Western Australia by car in company with husband Bill and friends Mr. and Mrs. Frank Lansley of Moss Vale.

---oooOOooo---

Six weeks and two and a half days long service leave and the whole of Australia before us! Two simple factors on which to plan our holiday but what a lot of details to cover.

It was therefore with much pleasure that we finally left Berrima in two cars on the first leg of our journey which would take us via the Hume Highway to Benalla in Victoria where we turned onto the Midland Highway to pass through Shepparton, Bendigo and Castlemaine, the large fruit growing areas. We came onto the Western Highway at Ballarat by-passing Melbourne, our aim being to leave the eastern states for the return journey on a later date. We continued through Horsham and Dimboola to Bordertown in S.A. Springtime being the best time of the year to travel, this rich wheat growing area was in really beautiful condition. A very noticeable increase in the size of most towns showed the prosperity they are enjoying.

A short stop-over was taken at Adelaide before pushing on to Port Pirie where the smoke and haze from the vast industrial plants becomes visible on the approach from the south. A unique feature of this town is the fact that the trains run in the centre of the main street.

So we came to Port Augusta on Spencers Gulf where we had a final stock up of supplies for the long haul on the gravel surface of Eyre Highway which was in good condition. The supply of petrol is now more plentiful along this route and we carried only one gallon extra. However, frequent stops were made at homesteads along the road to top up and it was noticeable at these stops that our presence was welcome as the homesteaders seemed glad to chat awhile and the traveller becomes aware of their loneliness.

We camped each night and provided all our meals on the road. Four days travel saw us safely across the vast Nullabor Plains. However, the road passes across the edge of the plain only, the most desolate part of it being further north. Salt bush and stunted scrub seems to be the only prolific vegetation and large underground tanks provide water for stock and travellers but due to the dry season quite

6. Australian Driveabout - Continued.

a few of these were almost dry. When it does rain however, the roads quickly become slippery and treacherous, demanding all the driver's concentration. Quite a lot of dust was encountered but on the whole it was a good crossing.

We were happy indeed to get back onto the bitumen at Norseman and from that point on, right throughout the Western state the landscape was a riot of colour with wild flowers in profusion.

We toured around Kalgoorlie and Boulder City but as it was Sunday were unable to inspect any of the gold mines. Our way continued on through Southern Cross and the pretty wheat areas of Merredin and Kellerberrin to Perth which we reached eleven days from Berrima.

We were all impressed with this beautiful city with its clean, freshly painted buildings and its many interesting arcades, especially London Court which resembles an Old English Street. The parks and gardens are outstanding especially Kings Park from where a wonderful view of the city proper and the Swan River can be had. In this park is preserved a giant Karri log which is 106 feet long with a girth of 24 feet and weighing 95 tons. The estimated age, by ring count, is 363 years.

We visited the Y.A.L. memorial garden at Araluin, the Canning dam and Mundaring Weir the water supply for the Goldfields. We spent some time in the National Park where we saw the famous Kangaroo Paws, the well known green and red variety, a plain green and a black type. We browsed through the Wild Life and Flower exhibits at the Town Hall and inspected the Oil Refinery at Kwinana.

After a profitable night at the famous and really lovely trotting track at Glouster Park we decided to journey north to Geraldton and eventually went on to Northampton a total of 344 miles from Perth. We were surprised at the beauty of this fertile country, the largest wheat producing area in the west. Wild flowers were abundant and added to the colourful beauty of this remote area.

We returned to Perth via a different route and visited Wicherina Dam, Geraldton's water supply. The dam, which holds 72,000,000 gallons and has an area of 17 acres is supplied from bores some 280 feet deep.. The whole of the dam is covered with 76,500 sheets of corrugated fibro to prevent evaporation and for nine months of the year the prevailing westerly winds keep the water temperature

7.  
down and incidentally causes the surrounding trees to bend and grow with a permanent lean towards the east.

Returning to Perth we spent a few more days sightseeing before tackling the southern part of the state. Our first stop was Busselton situated on the shore of Geographe Bay. A two-day stop-over enabled us to visit various points of interest including Cape Naturaliste Lighthouse, and Cape Leeuwin Lighthouse (the most south westerly point of Australia).

Leaving Busselton we travelled through the timber towns of Pemberton and Nornalup, where the giant Karri and Jarrah trees grow, to Albany, a beautiful spot on King George Sound. Here we inspected a woollen mill and the whaling station at Frenchman's Bay. This proved to be a most interesting place despite the fact it was a bit gory and messy.

From Albany we headed north to York to join the Eastern Highway and so started to retrace our tracks back across the plains where some rain had fallen since our crossing and the grass was much greener.

At Konalda Homestead we visited the caves and blow holes, the latter being simply holes in the ground which, on one day will furiously blow out air and the next day suck in air just as furiously. Here we met some of Australia's aborigines and the children begged for sweets and soon had our supply of nuts and fruit as well. Most of these natives have now settled in reservations and missions and we saw only one wandering tribe just out of Penong. It was here that we left the highway to see the Pink Lake, a salt lake which has the loveliest deep shade of pink. Back then to Ceduna and a look at Thevenard where the Gypsum boats load and through Streaky Bay where the big fish are caught to beautiful Port Lincoln.

Our next stop was Whyalla a place which has grown greatly since our visit there eight years ago on our first overland trip to Perth. We visited B.H.P.'s model dairy stocked with healthy looking herds of Fresian cattle and then moved on to Port Augusta then south to Adelaide passing Port Germein with its jetty  $1\frac{1}{2}$  miles long and the vineyards and orchards of Crystal Brook and Clare.

After a short stay in the garden city with its blooming fruit trees, flowers and almond blossom, with its cute brush fences which are a work of art, we climbed through the Adelaide hills to Mount Lofty which gives an inspiring view of the city and the Adelaide plains.

8. Australian Driveabout - Continued.

On then to Tailem Bend where we joined the Princes Highway to skirt Lake Alexandrina, where the Murray River discharges into the ocean, and along the Coorong which teems with swans and ducks. We reached the huge pine forests around Millicent and passed through to Mount Gambier with its famous Blue Lake. Adam Lindsay Gordon is well remembered in this beautiful city of South Australia's South East.

Across the border once more and on to Portland in Victoria in time to see the first ship put in to the huge new harbour recently built there.

Warrnambool was next and passing the Fletcher Jones factory with its beautiful gardens we followed the Ocean Road along the winding coastline and over high mountains to Apollo Bay. Still hugging the coast we moved on to Anglesea after which we turned north to go into Geelong.

A fast trip on the Expressway brought us into Melbourne and on to the Princes Highway for the run through the rich Latrobe Valley to Yallourn where we visited the State Electricity Supply and Brickette factory. At Bairnsdale we were told about the Catholic Church which is most unusual. The whole of the ceiling and the greater part of the walls has been painted by an Italian artist and together with some very fine Stonework is a classic piece of architecture.

After passing through Eden and Bega a quick run up the coast brought us home with  $\frac{1}{2}$  day to spare.

For the statistical record a total of 8,455 miles was travelled for a total consumption of 290 gallons of petrol.

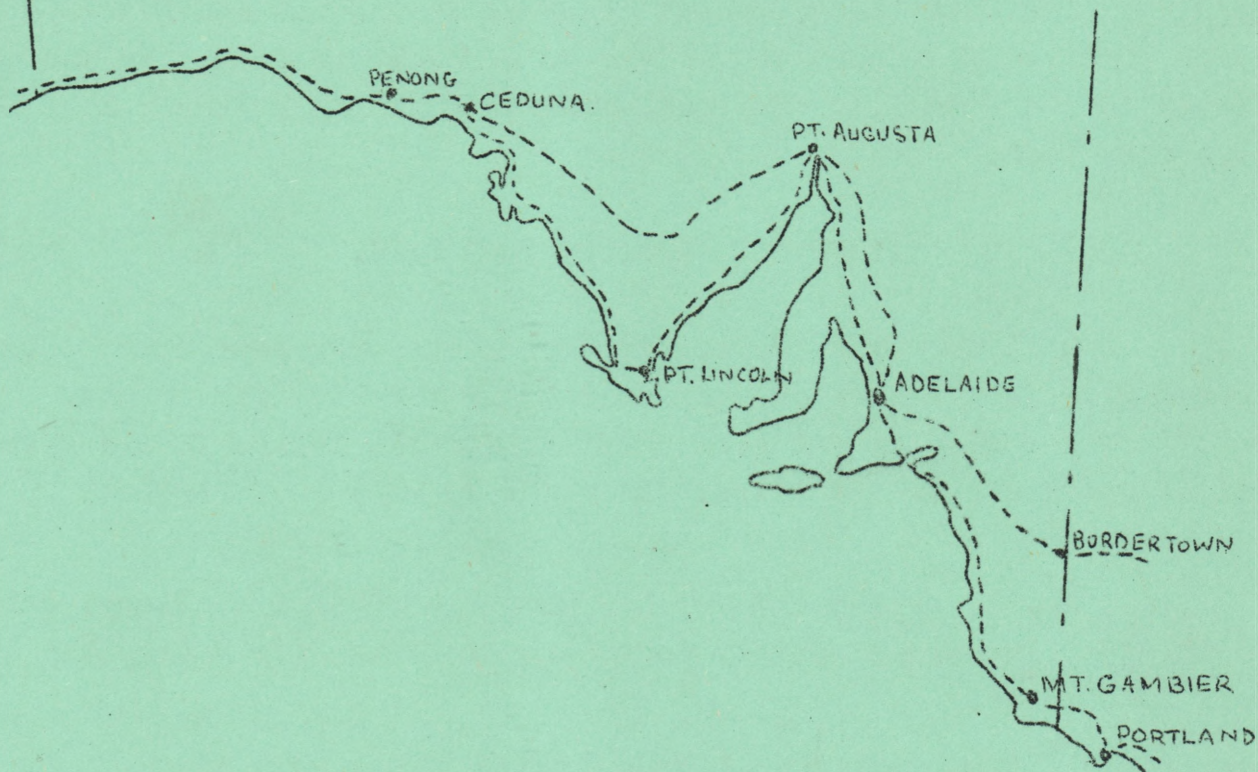
A most enjoyable trip was completed with congenial companions and all would like to start off again if leave was available.

---ooo o 000 o ooo---

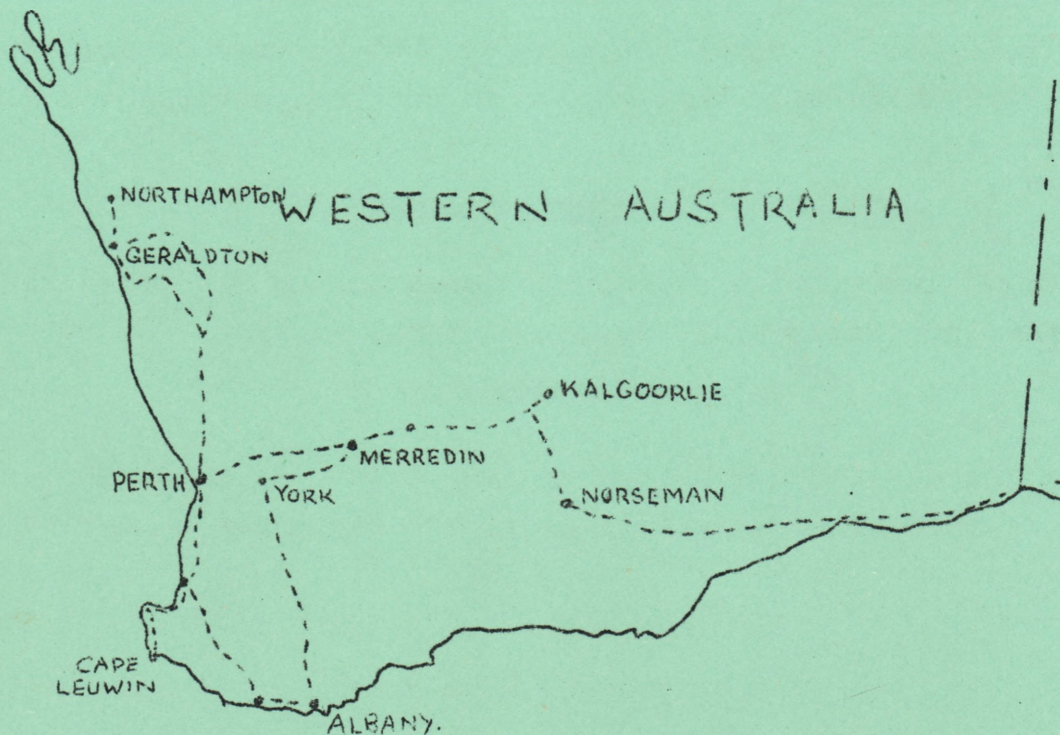
On the following page will be found maps of Western Australia and South Australia showing the routes taken by the travellers and the principal towns visited.

---oooo0000oooo---

# SOUTH AUSTRALIA



# WESTERN AUSTRALIA



- SAFETY NEWS -October Summary

BERRIMA: One lost-time accident occurred during the month when a labourer received an injury to his eye as a result of dust. He was admitted to the Community Hospital, Moss Vale and as a result lost 16 days from work.

## IT PAYS TO PROTECT YOUR EYES.

Make sure you are wearing the proper eye protectors when operating a jack hammer or when working in the vicinity of one.

A number of men have received foreign bodies in the eyes whilst working near the kilns. Be careful, wear your goggles.

@@@@@@@@@@@@@@@@@@

Mr. L. Knight and Mr. Les Humphries (Safety Officer) attended the 1959 Industrial Safety Convention in Newcastle during the last week of October.

@@@@@@@@@@@@@@@@@@

The plant has again established 30 days free of lost-time accidents and we hope that this good work can now continue and make it 60 days.

@@@@@@@@@@@@@@@@@@

MEDWAY: Eight lost-time accidents occurred during the month and accounted for approximately 30 days lost time.

@@@@@@@@@@@@@@@@@@

MARULAN: Six lost-time accidents occurred during the month and as this issue goes to press the overall plant figure stands at 6 days accident free.

-----oooo0000oooo-----

By Jack Mott.

FOOTBALL: October 2nd was the date set down for the Berrima Football Club Presentation Dance and it turned out to be a great success. The members of this club can always be relied upon to turn on a good show when they decide to stage any social functions. The president of the Group 6 organisation, Mr. Hilton Middleton was present together with Group Secretary Vernon Roach who will be remembered by many of the readers as a former resident of Berrima and an employee of S.P.C.

Over 200 attended the dance and there was great speculation as to who would gain the honours for the season. The suspense was soon over however and everyone was elated when Jim Moore received trophies for best and fairest player and best forward of the season, a mighty fine performance. The best back of the season was Captain Pat Taylor and he was rewarded with a handsome trophy for his splendid play. The club also thought it fitting for a presentation to be made to their coach Mr. Herb Gilbert for his assistance to the club. The present was in the form of a blazer appropriately decorated with pockets to define his positions both in the Berrima Club and that of Group Selector and Coach.

-----  
HOCKEY: The S.P.C. hockey club also held their presentation night during the month and although not as elaborate as the footballers show, a very nice evening was had by the 70 people who attended.

Patron of the club, Bill Smith, was the donor of this function and Bill is always to the fore when a sporting club needs assistance. Music was supplied by Neville Parmenter and his associates and he kept the gathering of young people in a happy mood. Supper was served buffet style followed by the presentations.

For the best and fairest player award the club had to supply two trophies for the No. 1 Team as the result was a dead heat between two brothers, Peter and Ken Mott and we offer our hearty congratulations to these young players.

For the No. 2 Team the result was a clear win for Don Moore who showed a good form throughout the season and looks like making the No. 1 Team next year. Guests at this function included members of the Rozella girls hockey club, who, no doubt will have their own presentations to make next year.

-----

GOLF: Ernie Radnidge, power house foreman, has struck form in this popular game. Ern is a member of Mittagong Golf Club and was successful in taking out the monthly medal last month. In winning this event he broke his handicap by six strokes and needless to say he does not now enjoy such a big handicap having been fleeced of 2 strokes.

-----

ROCK & ROLL: This is a sport from which our young people seem to get a good deal of enjoyment and some very fine performers are to be seen. To cater for this new craze a competition was held over the past four or five weeks and twelve dancers contested the finals at the Theatre Royal, Moss Vale. The result was a very popular win for one of our S.P.C. employees, Robert Hartley. Bob's partner in the competition was Vicki Wain, daughter of "Curley" Wain, one of the districts most popular entertainers.

-----

CRICKET: The S.P.C. cricket club entered one 2nd Grade Team in the district competition and to date have played two matches. The first match was played against Moss Vale Central and finished on an exciting note when Ray Mordue joined Peter Mott at the wicket with S.P.C. needing only 50 runs to win. These two young batsmen played like veterans but failed by 16 runs to equal Central's score. Peter's solid knock netted him 45 not out.

The second match against Mittagong R.S.L. resulted in an outright win for S.P.C. The feature of this match was during the first day's play when 300 runs were scored in the afternoon. Having dismissed R.S.L. for 109 runs, S.P.C. went in to bat and at stumps had scored 221 runs for the loss of 7 wickets. In the second innings, R.S.L. scored 113 leaving S.P.C. with only 2 runs to score for an outright win. This was accomplished without the loss of a wicket.

-----oOoOoOoOoOoO-----

In view of the recent cyclonic conditions prevailing throughout N.S.W. with the resultant heavy rain, we felt that our readers may be interested in the rainfall statistics of Australia as a whole.

In Australia the amount, seasonal incidence, and reliability of rainfall have been the determining factors in the distribution of population. Summer rain predominates in Northern Australian latitudes, winter rain in the south, with marked drier seasons which are very pronounced and prolonged north of the Tropic of Capricorn, except on parts of the east coast.

Both Summer and Winter rains are prominent in south-eastern Australia where there is a region of uniform seasonal rainfall extending over much of N.S.W., eastern Victoria and over some districts in Tasmania around Hobart. The influence of winter rains is still apparent in the seasonal curve in south-eastern Queensland, and winter rains from the moist south-east trades occur on the north coast highlands of that State.

There is little average seasonal variation of the rainfall in lower central Australia, but the division between winter and summer rains is sharp farther westward as the boundary of the division reaches the Western Australian Coast near Onslow. In central and central-western Australia, however, rains are very irregular and light.

The heaviest rains in Australia are largely orographical, occurring on the north coast range of Queensland (Harvey Creek 254 inches in 1921) and the west coast of Tasmania (Lake Margaret 175 inches in 1924). The driest region is the Lake Eyre district (S.A.) with average falls under 5 inches. The very arid area extends westward to the central west coast of the continent near Carnarvon. The distribution of Annual rainfall is clearly depicted by the map on the next page and needs little further discussion.

The decrease in rainfall with increase in distance from the coast is very marked and is due chiefly to the mean and seasonal position of the anticyclonic belt which brings the summer depressions and monsoon over Northern Australia in summer, and the storms of the Southern low pressure belt over Southern Australia in winter. Central Australia is only occasionally reached by either of these depression belts. In addition maritime air reaching central and central-western Australia has been unfavourably modified for any appreciable rain production.

Better rainfall over eastern Australia compared with the western side of the continent can be attributed not only to favourable on-shore maritime winds in low altitudes, but also to the increased intensity of troughs in these regions and the occurrence of cyclones affecting the north coast in summer, and temperate cyclones causing rain on the central and southern eastern coast in the colder months.

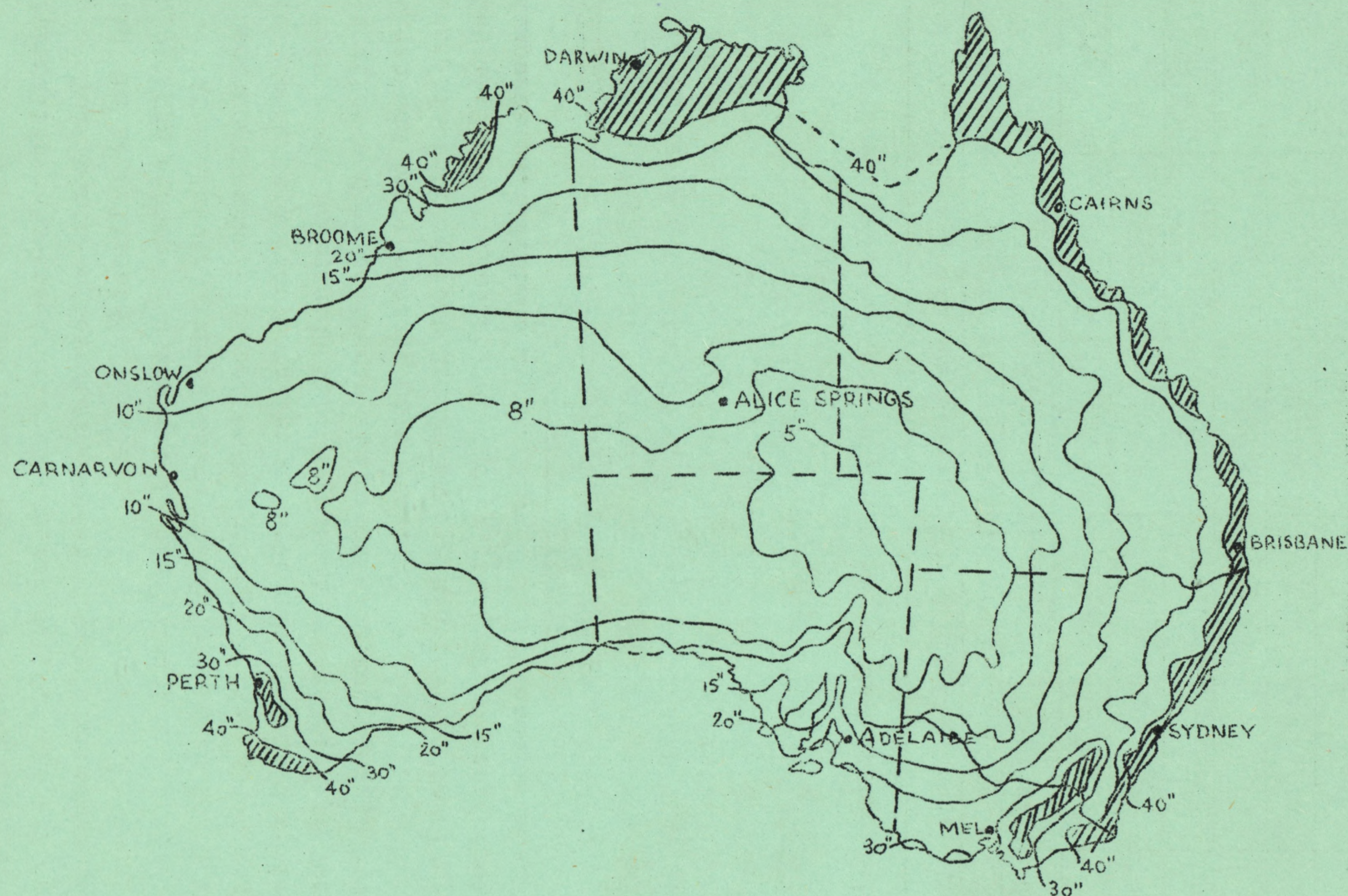
In general, agriculture gives way to pastoral pursuits as the lighter rain regions is reached farther from the coasts. It will be seen that all the more settled areas receive useful to good rains. In the southern and eastern sections of the Commonwealth are found the best country and the largest groups of population.

Lastly, the reliability of the rainfall from year to year is of supreme importance. Various statistics have been used to measure this value. The results show that the most reliable rainfall occurs in the south and south-east of Australia, where the settlement is consequently most intense. The reliability of rainfall decreases with increasing distance from the coast, becoming least reliable in the central areas and the central west coast of the Commonwealth.

-----oooo0000oooo-----

#### RAINFALL AND TEMPERATURE FIGURES FOR CAPITAL CITIES.

| CITY.     | Average<br>Rainfall<br>inches. | TEMPERATURE (Degrees Fahr). |                |                      |                     |
|-----------|--------------------------------|-----------------------------|----------------|----------------------|---------------------|
|           |                                | Mean<br>Summer              | Mean<br>Winter | Highest<br>on Record | Lowest<br>on Record |
| CANBERRA  | 23.15                          | 67.8                        | 43.9           | 104.2                | 14.0                |
| PERTH     | 34.73                          | 73.2                        | 56.1           | 112.2                | 34.2                |
| ADELAIDE  | 21.15                          | 72.9                        | 53.1           | 116.3                | 32.0                |
| MELBOURNE | 25.55                          | 66.6                        | 50.0           | 114.1                | 27.0                |
| SYDNEY    | 47.06                          | 71.0                        | 54.3           | 108.5                | 35.7                |
| BRISBANE  | 44.90                          | 76.7                        | 59.8           | 108.9                | 36.1                |
| HOBART    | 24.05                          | 61.4                        | 47.0           | 105.2                | 27.0                |



## RAINFALL DISTRIBUTION

Shaded area over 40"

In this and future issues we intend giving a brief history of New Australians who are in the employ of S.P.C.

This month we have selected at random four names and their stories are as follows:-

STEVE BANDURA - Born 15th August, 1915 - Poland.

After leaving school Steve worked on a farm for 5 years and then decided to turn his hand to carpentry. After a two year course he went to Central France where he worked in a sawmill until 1940. When France was overrun during the war Steve was sent to Germany as a construction worker and during the remaining years of the war was moved to various large construction jobs.

After the war he worked in a cabinet works for four years and in 1949 migrated to Australia. After six weeks in this country he started work at S.P.C.

-----

KEN SZWARC - Born 19th February, 1917 at Koscian, Poland.

Ken's early life was spent on his father's farm until he joined the Polish Army whom he served with until captured during the early phases of the war. A difficult period now awaited Ken and he spent 5½ years as a P.O.W. in Stalag 10 in the north of Germany.

After the war he joined a British Army Occupation Unit and remained with them until 1949.

Ken was married in Hamburg, Germany, and on the 24th March, 1950, migrated to Australia.

Ken's first job was with S.P.C. and he was naturalised in 1955 at a small ceremony in Moss Vale.

With his wife and two children Ken now resides in Moss Vale.

-----

ADAM WILK - Born 4th March, 1915 at Weglowic, Poland.

Adam's history is an almost parallel one to Ken Szwarc with a few minor variations.

During the occupation of Poland Adam worked as a farmer and migrated to Australia on 24th October, 1949.

His first job took him to Bowral Brickworks and he joined S.P.C. on 31st August, 1951.

-----

GUNARS HINCENBERGS:- Born 4th July, 1930 at Riga, Latvia.

Being younger than our previous friends the misfortunes of

war did not fall so heavily on Gunars as he was still at school.

In 1948, however, he migrated to Australia on his own and was followed later by his parents and brothers. The family settled in Mittagong where Gunars joined them after completing his contract with the Government Employment Service in Queensland.

He joined S.P.C. in February, 1950 and was naturalised at Mittagong in 1954.

Gunars tells me that Riga, the capital of Latvia is a very similar city to Adelaide with the exception of the old part of the city with its castles which date from medieval times. This part of the city is ringed by a canal which separates it from the more modern new part of the city.

-----ooooO000Ooooo-----

#### THE MILLERS' LAMENT

Mister Chemist please tell us true,  
Just what it is that we must do.  
Please from your dial erase the frown,  
Must the residue go up or down.  
Don't you think sometimes we aughter,  
Make the break and use less water.  
Must H<sub>2</sub>O be high or low  
You tell US, then we'll all know.

- Salvo Jure -

-----ooooO000Ooooo-----

- PERSONAL PARS -

Heard on the Grapevine.

BERRIMA:

We notice that John Coupe is back at work after a very long illness. Nice to see you looking well again John and we all hope that no further troubles come your way.

@@@@@@@@@@@@@@

Fred Bonnar has returned looking very fit after his recent hospitalization.

No doubt he will be his usual bright self again very soon.

@@@@@@@@@@@@@@

Dudley Crow is having more than his share of bad luck lately. "Dud's" wife has been a patient in Wingecarribee Hospital for the past eight weeks and Dud has had to play the dual role of breadwinner and housekeeper. Not a very easy job and we hope to see your wife home again soon Dud.

@@@@@@@@@@@@@@

Miss Margaret Thorpe and Geoff Larsen were married on the 17th October at the Methodist Church, Moss Vale. Margaret was attended by two bridesmaids, Miss Joan Thorpe and Miss Lynette Larsen. About 65 guests attended the reception which took place at the Sunday School Hall.

The happy couple spent their honeymoon at The Entrance and returned to Moss Vale on Saturday, 31st. Margaret and Geoff have now moved into their new house in Lovelle Street, Moss Vale.

We wish them all the best for their future happiness.

@@@@@@@@@@@@@@

Mr. Jack Laws of the Drawing Office leaves on the 13th November to take up duties in his private business in Moss Vale.

Good luck Jack, and no doubt we'll still be seeing you from time to time.

@@@@@@@@@@@@@@

by Mr. C. Crowe of the  
Berrima Bridge Nurseries.

November planting and sowing guide.

FLOWERS:

SOW: Antirrhinum (Snapdragons), Asters, Cosmos, Dahlias, Delphinium, Dianthus, Petunias, Phlox, Portulacca, Salvia, Salpiglossis, Scabious, Sweet Peas, Zinnias.

PLANT: Penstemons, Gladioli, Climbing Plants, Shrubs and Hardy Annuals.

VEGETABLES:

SOW: French Beans (Dwarf and Climbing), Butter Beans, Silver Beet, Early Cabbage, Carrot, Celery, Sweet Corn, Cucumber, Endive, Herbs, Leek, Lettuce, Melons, Parsley, Parsnip, Peas, Pumpkin, Potatoes, Radish, Squash, Tomato, Turnip.

PLANT: Tomatoes (in sheltered spot), Cabbage, Beetroot, Silver Beet, Herbs, Lettuce.

HINTS FOR HOME GARDENERS.

After the recent heavy rain, watch for waterlogged places in your garden and try to do something about draining these areas.

Spray your Roses and Gladioli with DDT (Horticultural) for Aphis and Thrips.

Snails and Slugs are busy now, so buy a packet of Snail Bait from the Garden Shop and spread about the garden in small heaps some distance apart. Don't forget you can now buy soluble Snail and Slug Baits, which can be sprayed on trees and shrubs to catch climbing snails and on rockeries for hidden slugs.

Encourage the birds to visit your garden! Silver-eyes and Willy Wagtails are great Aphis eaters, and Magpies and even the much despised Starlings will help rid the lawn of worms and white-curl grubs.

- PROBLEM PAGE -

Six correct entries were received for Problem No. 9, the Cross-word, which aroused quite a bit of interest.

Mrs. P. Scott, of the General Office, was the winner of the £1 prize on the final draw out of the hat.

This month we present another crossword puzzle carrying a £1 prize.

Entries close on 30th November, 1959.

ACROSS:

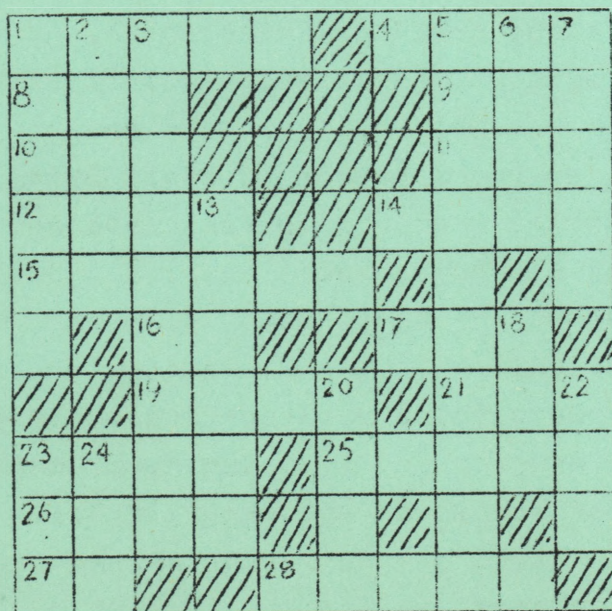
1. Perfume.
4. Oven.
8. Aviator.
9. Born.
10. Cows do.
11. Hit lightly.
12. Dumb.
14. Russian River.
15. Who dishes up this tripe.
16. Exclamation.
17. Edge.

ACROSS:

19. River.
21. Help.
23. Airline Co.
25. Sum.
26. Fish
27. Elizabeth Regina.
28. Rebuke.

DOWN:

1. Season.
2. Obscure.
3. Highly strung.
5. Concerned with.
6. Tilt.
7. Country in Asia.
13. Code of Morals.
18. Extinct Bird.
20. Mark with acid.
22. Cunning.
23. Insect.
24. Over ( Poetical).



The Cement Company Board at its meeting on the 3rd November, approved the following capital expenditure:-

1. New Works Toilet.

A new toilet block is to be built at the rear of the existing block. The site is now covered with 20 feet of coal.

2. Clinker Gantry Extension.

Three bays are to be added to the clinker gantry to increase clinker storage capacity and eliminate the bulldozer we are now using to assist clinker handling.

3. Ferguson Tractor.

A Ferguson tractor with mower attachment is being purchased to keep the grounds in order, also the sports ground and New Ber-  
rima village.

4. 6-ton Bedford Truck.

A Bedford truck has been purchased to replace our two old N.R. Mack trucks at Marulan and will be used to carry stores, explosives, and dump fines when necessary.

5. Landrover.

A long wheel base Landrover has been purchased to replace the Dodge weapon carrier used by the maintenance section at Marulan.

6. Bulk Cement Storage - Queanbeyan.

With the increase in bulk cement business in Canberra it is necessary to erect two 100 ton capacity storage bins in the Canberra area to increase our storage capacity.

7. Liverpool Store.

Most of our bagged cement sales in the Metropolitan area are now being delivered by road from the Liverpool Station Goods Yard and it is necessary to erect a store to have stocks on hand in case cement does not arrive due to rail hold-ups etc.

-----

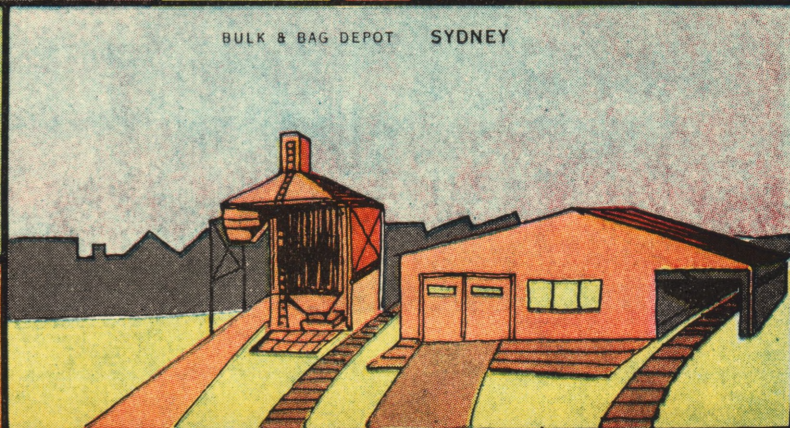
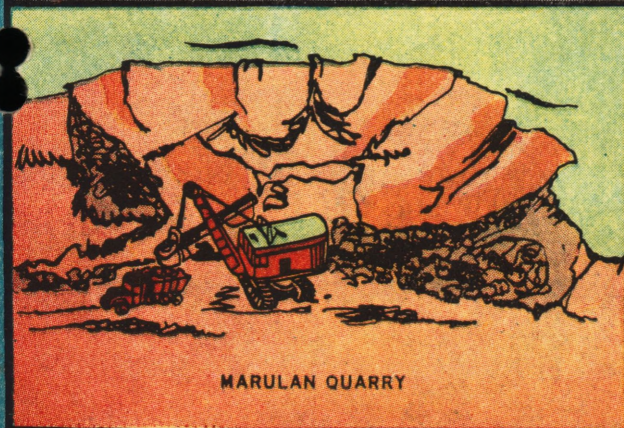
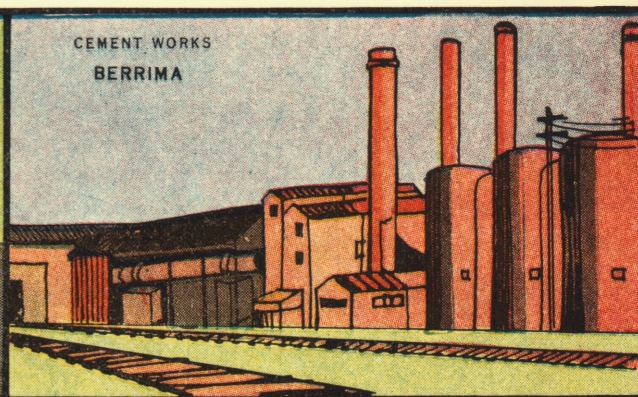
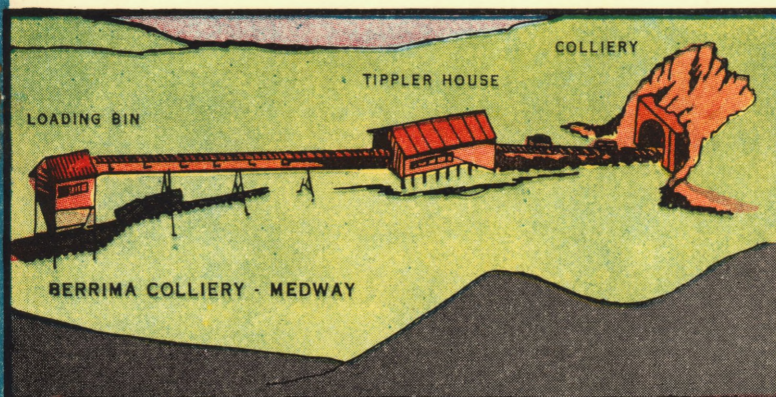
We take this opportunity to welcome Mr. John C. Scott who has been appointed Works Secretary of the Company. Mr. Scott was previously Commercial Liaison Officer at the Port Kembla Steel Works and his knowledge of heavy industry will be invaluable to us. In 1958 Mr. Scott accompanied a delegation to the United States investigating new tin plating equipment for the Steel Works.

-----ooooOoooOoooo-----

November

# S. P. C.

## MONTHLY NEWSLETTER



MEDWAY - MARULAN - BERRIMA - SYDNEY

- S. P. C. NEWS -

Vol. 1 No. 10

October, 1959.

- C O N T E N T S -

|                                  | <u>Page</u> |
|----------------------------------|-------------|
| Editorial ... ..                 | 2           |
| General Manager's Notes . ... .. | 3           |
| Production Notes ... ..          | 4           |
| The Marcy Mill .. ...            | 5           |
| Australian Alps . ... ..         | 6 - 7       |
| Safety News . ... ..             | 8           |
| Sporting News ... ..             | 9 - 10      |
| Personal Pars ... ..             | 11 - 12     |
| These Changing Times ... ..      | 13          |
| Problem Page ... ..              | 14          |

---

---

Dear Readers,

Last month we praised the very fine efforts of all plants in respect to the production records which were being broken.

It is with regret that we cannot apply this praise to the Safety record. Not for a considerable period has the Safety record been in a worse condition.

A full coverage of the grim picture will be found on the Safety-First page.

Let's hope that next month's write-up will show a vast improvement.

Mr. Bob Jones (Colliery) has taken on the job of Newsroundsman for the Medway Plant and we look forward to receiving his articles on the happenings at the Colliery.

Bob is Secretary of the Miners' Lodge and lives at Berrima West. He joined the Company in September, 1930, and worked underground for a period of 11 years. In his present position of weighman on the surface Bob is in close contact with all the employees and should be able to present some interesting articles on life at Medway.

The changing face of the Berrima Works is now very much in evidence. The new Dining Hall is well under way and should be a great boon to all employees. The Oval is also receiving the "new-look" and already a large quantity of trees have been planted as part of the programme of improvements.

A vote of thanks has also been extended to the Company by the Moss Vale Rifle Club and the Werriwa Rifle Club. This is in regard to repairs carried out at the Berrima Rifle Range during the last few weeks.

Until next issue,

Yours,

THE EDITOR.

- GENERAL MANAGER'S NOTES -

During the past winter, and some of you will protest that it is still with us, concrete was poured in the Tantangara Dam wall being constructed by Utah on the upper Murrumbidgee River in the Snowy Mountains area.

The pouring of concrete in cold weather has many advantages if the concrete can be placed at a temperature of approximately 45°F. If the temperature is much lower the hydration of the cement ceases and the concrete does not set so warm water is used in the mix to bring the frozen aggregates up to the required temperature.

The hydration of the cement after placing the concrete gives enough heat to maintain the temperature during the setting period and the cold ambient temperature ensures that the surface concrete temperature does not rise much above the optimum.

The effect of the concrete setting at the lowest possible temperature is that when the temperature rises, as it does in summer, the expansion of the concrete only induces compressive stresses which are easily sustained.

If the concrete sets at a high temperature tensile stresses induced in cold weather may crack the concrete which is unsightly and provides a starting point for disintegration by weathering.

GENERAL MANAGER.

MARULAN QUARRY.

Limestone .....Net 107,951 tons. (Record)  
Mullock ..... 14,639 "

In addition to the above figures 3,038 tons of low grade fines were dumped.

Good digging on the 1790 ft. bench again allowed the Quarry to put up new records during the month as under:-

Month ..... 107,951 tons.  
 Day ..... 6,040 "  
 Daily average for month ..... 4,977 "

Congratulations to the Quarry once again.

BERRIMA COLLIERY.

Coal .....Net 11,619 tons.  
Production .....11.85 tons per shift per miner.  
 ..... 5.11 " " " " employee.

Four days were lost early in the month due to an industrial dispute however the Colliery has worked well since with another road being put on to assist production in anticipation of increased cement sales in 1960.

CEMENT WORKS.

Power ..... 4,306,802 kilowatt hours.  
Load factor..... 95.6%.

During October an "A" overhaul will be done on No. 1 Turbine which means it will be out of action for most of the month.

Clinker..... 25,307 tons. (Record).

The kilns broke the previous record set in August which was a great achievement considering there were only 30 days in September.

No. 4 kiln completed a campaign of 91 days on the last day of the month which is its best burning zone brick life to date.

During October clinker output will be restricted due to high stocks and the need to conserve power during the turbine overhaul.

Cement Sales ..... 22,525 tons.

There was a slight rise compared with August and we expect this trend to increase as the weather warms up.

Considerable interest has been shown by works personnel in the Marcy Mill recently installed in the raw milling section - its operation, testing programme, and the reason for its installation.

We therefore, take this opportunity to outline the main points about this plant.

REASON FOR INSTALLATION: The installation of the Marcy Mill stems from two vital questions which affect our production costs.

1. The possibility of pumping limestone slurry from Marulan to Berrima.

In this case pumping tests will be carried out at the experimental pumping station behind the Wash Mills. Pertinent data will be collected and collated to establish whether limestone slurry can be pumped to Berrima from Marulan on an economic basis.

2. Closed circuit milling as opposed to our present open circuit milling to reduce power costs.

The mill operates in closed circuit with a Warman 16" liquid cyclone. Limestone slurry from the discharge end of the mill is pumped to the cyclone by a Warman 4/3 pump driven by a 10 H.P. motor. On entering the cyclone the slurry under the influence of centrifugal force segregates into two fractions.

The finer fraction rises and passes through a central orifice then discharges near the top of the cyclone to the slurry race of No. 3 Raw Mill. (Provision has been made to pump this product to the feed end of Nos. 1, 2 and 3 Raw Mills or alternatively to the experimental pumping station as required.) This product is in the same approximate order of fineness as the slurry produced by Nos. 1, 2 and 3 Raw Mills but can be varied to produce a coarse or fine product as required.

The coarse fraction in the cyclone is forced downward to the base of the cyclone and is discharged through a measuring box to the feed end of the mill. This returning coarse fraction from the cyclone is known as the circulating load and represents approximately 500% of the new limestone feed as fed by the feed table to the mill.

Greater output for less power input is claimed for this method of milling due to the circulating load which eliminates overgrinding as is the case with open circuit milling. In addition a more uniform product is obtained which is claimed to produce an easier burning mix for the kilns. However, the product has a high water content and steps would have to be taken to reduce this to a point where it could be used as kiln feed.

At the moment calibration of the mills performance in grinding limestone to varying degrees of fineness is being carried out under the supervision of Mr. Inman Wade of Warman Equipment Limited.

A scenic wonderland, a sportsman's paradise - that is the Australian Alps. Every winter Australia's snow cap is becoming more popular as interest grows in the snow country.

From June to October the slopes of Buffalo, Hotham, Kosciusko, Buller or Falls Creek are crowded. Some are skiers, others sightseers. It doesn't really matter; this wonderland wins them all.

If it be the thrill of the slalom, langlauf, jumping or racing, or the first faltering steps on skis - the Alps will accomodate you. There are the gently undulating courses for the beginner, the steep lightning fast slopes for the expert.

#### BEFORE SWITZERLAND

However, skiing is a relatively modern sport, although it was established in Australia well before it began in Switzerland or Austria. By 1862 snow sports were being organised in the snow bound goldfields of Kiandra, New South Wales, and tourist skiing was becoming popular at Mount St. Bernard in Victoria.

Mainly through transport difficulties, interest in the snow country remained fairly static until the late 1920's when the arrival of Norwegian instructors greatly stimulated enthusiasm. More and more people became conscious of the vast snowfields of the Australian Alps and the exhilarating possibilities they offered.

A few hostels were built and so the foundation was laid for the huge influx of tourists that was to come in later years.

After World War II the Alps really began to catch the public imagination. Previously unheard of areas were earmarked for huge hydro-electric projects. New towns were built as these projects took shape. Roads were constructed and a vast new region, previously inaccessible, was opened to the tourist; areas breathtaking in their beauty and unlimited in their possibilities for winter sports.

The great post-war influx of migrants to Australia, many of them from the famous snow countries of Europe and North America, further popularised the Alps as a winter playground. Here the migrants found excellent snowfields, in many cases superior to those of their homelands.

MANY NEW FACILITIES

As the interest in snow sports increased and more people sought the scenic beauty or the exhilarating thrills of skiing, so the facilities improved.

Ski lodges mushroomed and new chalets were built to ensure that the snow enthusiast enjoyed all modern amenities. Many organisations formed their own ski clubs, and built their own ski lodges. They found at their disposal an area peaceful but challenging, vast yet beautiful.

And so conditions improved. Ski lifts made the rise to the peaks a simple matter, and emergency radio and ski patrol systems were added safeguards to the skier.

GRANDEUR UNSURPASSED

The popularity and excellence of the Australian snowfields has become world wide. In addition to State and National skiing championships, skiers from many countries have enjoyed the thrills provided by the Australian Alps.

Hostel, ski hut, hotel - and the Alps - they cater for all. For the beginner, the patient instructor demonstrating and explaining. For the expert, the slalom, downhill, langlauf or jumping. For the sightseer, the grandeur of majestic peaks glistening under their snow mantles.

As a scenic wonderland the area is unsurpassed; as the winter playground of Australia the Alps present unlimited opportunities, with their endless slopes ever ready to welcome the sportsmen of the world.

-----ooooOooo-----

SAFETY FIRST.SEPTEMBER SUMMARY.

BERRIMA: During September 5 lost-time accidents occurred throughout the plant. Of these, two were attributed to Maintenance "B" Group, two for the Power House Group and one for the Stockhouse Group.

The overall picture of all plants shows a serious decline in the Safety First and shows a lack of attention to the basic rules of safety.

Let us combine production records with Safety records and get the benefit of two bonus awards.

The following figures indicate the number of days each plant group has attained without a lost-time accident as at 30th September, 1959.

| Group Designation   |   | Days | Group Leader                     |
|---------------------|---|------|----------------------------------|
| Production          | A | 427  | R.J. Croese                      |
|                     | B | 530  | L.J. Brown                       |
|                     | C | 490  | G. Whitley                       |
|                     | D | 441  | J. Stedfut                       |
|                     | E | 435  | P. Moran                         |
|                     | F | 451  | J. Colquhoun                     |
|                     | G | 412  | C. McGregor                      |
|                     | H | 412  | R. Boyd                          |
| Construction        |   | 264  | W. MacDowall                     |
| Maintenance         | A | 317  | W. Saker                         |
|                     | B | 16   | W. Rutter                        |
|                     | C | 451  | A. Parker                        |
| Power House         |   | 11   | E. Radnidge                      |
| Electrical          |   | 34   | J. Medland                       |
| Stockhouse          |   | 1    | L. Bush                          |
| Gen. Off.Draw.&Lab. |   | 33   | M. Jones, W. Parsons, S. Marshal |

MARULAN: 3 lost-time accidents occurred during the month.

MEDWAY: 6 lost-time accidents occurred during September.

OCTOBER, 1958, WAS OUR FIRST MONTH WITHOUT A LOST-TIME ACCIDENT. LET'S DO THE SAME FOR OCTOBER, 1959.

-----oooooOooooo-----

HOCKEY:

When the S.P.C. No. 2 team was beaten in the semi-finals, all eyes were focused on the No. 1 team to see if they could continue in their undefeated way and gain the second grade District Competition honours.

The team, together with the followers, were shocked when beaten by the Moss Vale "Rovers" in the last half minute of play in the final.

However, as minor premiers, the team exercised its right to challenge in the Grand Final and this game was played at Bowral on Saturday, 12th September. A hard and exciting game was witnessed and all players made the effort and put their best into the game. The result was a narrow but well earned win for the S.P.C. team - two goals to one. This team had an impressive record throughout the season having been beaten only once. The team scored a total of 87 goals with only 12 goals against them. Ken Noble took the honours of goal scoring with a total of 41 whilst Peter Mott netted the ball on 25 occasions. Best and fairest player award resulted in a dead heat between the Mott brothers Ken and Peter, both being awarded the honour on four occasions. Congratulations are extended to Ken Noble for the manner in which he skippered the team, especially during the Grand Final.

The No. 2 team stuck together really well during the season and although defeats outnumbered wins, they played every match scheduled and finished with an abundance of players. The experience gained should make their position favourable in next year's competition. Best and fairest player award went to Don Moore who showed promise right from his first match. Don will no doubt warrant selection in next year's No. 1 team on his present form. The skipper of No. 2 team Terry Saker, is deserving of praise for the work he put into this team both as player and administrator.

BASKETBALL:

Marulan's two teams of basketball players visited the Moss Vale Showground Pavilion this month for a return match against the S.P.C. boys and this time were able to avenge their defeats of last month by winning both games. The first was far from spectacular although at times the Koshenow brothers from Marulan turned on some good combination play to score 15 points between them. G. McCullum, also from

## 10. Basketball - Continued

Marulan, was throwing very accurately at the basket and top-scored with 17 points. The S.P.C. boys seemed to be playing hard enough in this game but lacked good team-work and were ultimately defeated 49 to 25.

The second game was much more exciting and the scores sea-sawed until the last few minutes when Marulan gained the upper hand and ran out winners 37 to 33. G. Cosgrove with 14 points and C. Shepherd with 12 points were the top scorers for Marulan whilst G. Hincenbergs (14) and G. Larsen (9) added most of the points for S.P.C. G. Hincenbergs provided amusing diversions with his mirth provoking antics during play.

### FOOTBALL:

Berrima Football Club members were hosts to a team of footballers from Matraville - Malabar district during the month. This social match was arranged to coincide with two other functions being held by the home club.

An end-of-the-season "Smoko" was held on the Friday night and on the Saturday afternoon a game was played and proved to be very spectacular as both sides turned on some very sparkling football. After the game the visitors attended a dance and barbecue supper held at the hostel and a great night's entertainment was had by all. On Sunday most of the members of both teams attended the Group 6 final held at Bowral after which the visitors returned to Sydney. Their impressions of local sport must have been favourable as they requested that the occasion should be an annual affair.

### CRICKET:

Work's Manager, Mr. Len Knight attended the annual Meeting of the S.P.C. Cricket Club and outlined the alterations and improvements the Company intended to carry out on the Oval. To complete this programme it was explained that a "down" period was necessary and the most opportune time was from the end of December to the beginning of the winter sports season. In view of these circumstances the Club decided to enter only one team in the District Competition this year providing suitable arrangements could be made with the Association regarding a ground to play on during the "down" period.

The Association has since co-operated and the Club will have its first match against Moss Vale Central on their home ground on 3rd and 10th October. Intending players are requested to contact the Secretary of the Club, Ken Mott (Electrical Shop).

# Winners B.D.H.A. 2nd. Grade Premiership 1959. S.P.C. No.1 Team



LEFT TO RIGHT.

STANDING: J. Dickson, R. Mordue, K. Noble, J. Jervis, P. Middleton.

KNEELING: D. McLaren, R. Williams, K. Mott, P. Mott, G. Bell.

Heard on the Grapevine

BERRIMA:

Mrs. Fred Bell spent the greater part of last month in St. Vincent's Hospital, Sydney, where she underwent a major operation. However, Mrs. Bell is now on the improve and her smiling face will soon be seen again. Our best wishes for a speedy recovery.

@@@@@@@@@@@@@

Young "Dick" Mulready has just collected a 15/- wager. One of his workmates dared him to go five weeks without shaving. He completed the five weeks ordeal and the result was a very good crop for a 17 year old.

@@@@@@@@@@@@@

Mrs. Tom Bourne of New Berrima has been noticed on frequent occasions doing a mighty fine job with the youngsters of the village. Mrs. Bourne teaches the children at Sunday School but to make sure her pupils can attend regularly she does not hesitate in transporting the kiddies in her own small car to and from the church hall at Berrima. Without this voluntary service some pupils would certainly miss out on their Sunday School especially during inclement weather. At the school Mrs. Bourne is assisted by Miss Marion Hilton and Mrs. McKenzie.

@@@@@@@@@@@@@

On Saturday, 26th September, David McLaren (Electrical Shop) and his attractive bride Miss Lily Mumberson were married at the Methodist Church, Moss Vale.

The bride has been a resident of Moss Vale for the past five years where together with her brothers and sisters she has participated in district sports.

Best man for the ceremony was Theo Mumberson with groomsman Trevor Mott whilst the two attractive bridesmaids were Marion Mumberson and Robin McLaren.

The reception was held at the Moss Vale Community Centre hall where over 60 guests were entertained.

The happy couple are now on a motoring honeymoon after which they will settle in Moss Vale.

Congratulations and the best of luck to you and your wife,  
David !!

@@@@@@@@@@@@@

12. Personal Pars - Continued.

The marriage takes place on 17th October of Miss Margaret Thorpe of the General Office and Mr. Geoff. Larsen (Production). Our best wishes to this young couple for their future happiness.

@@@@@@@@@@@@@@

The General Office will see further changes this month.

Boyd Wood leaves the Company on 16th October to take a position with Penfolds, Sydney. Boyd and his family will reside at Killara on the North Shore.

Phil Dudley commences two weeks leave at the end of this week prior to taking up duties at the Sydney Office. Phill will reside at Carlingford.

Good luck to these people in their new surroundings!!

@@@@@@@@@@@@@@

Mr. and Mrs. Kevin Howard are the proud parents of a baby daughter born 1st October at Wingecarribee Hospital. Susanne is the name chosen for the new arrival and both mother and daughter are doing well.

Congratulations Irene and Kevin!!

@@@@@@@@@@@@@@

MEDWAY:

Fishing enthusiasts are advised to contact Fred Armstrong for the "good oil" on where to go to obtain the best results. During a trip to the Shoalhaven recently his catch consisted of 17 bream. Nice fishing Fred !!

@@@@@@@@@@@@@@

Again we find the sons of S.P.C. employees featuring in the sporting world.

Ian Jones and Graham Bell have been to Sydney with Bowral High School teams to compete in the Combined High School Sports. Ian is competing in the Javelin Throw whilst Graham is a distance runner. Results are not yet to hand but Good Luck to these two young sportsmen.

@@@@@@@@@@@@@@

Bad luck has dogged the footsteps of L. Peresinni this year. So far he has worked only six weeks and is at present on a holiday, under doctor's orders, to his homeland Italy. Our good wishes go with him on his trip and on his return to good health.

@@@@@@@@@@@@@@

To Mr. & Mrs. Max Thorpe, a son born at Wingecarribee Hospital on 29th September. The new arrival is to be named Mark Kelvin.

Congratulations Max !!

@@@@@@@@@@@@@@

Some readers may be interested in the early history of S.P.C. and we have therefore selected just a few points to discuss in this issue. In further issues we will review other aspects of early days of S.P.C.

The railway line joining Berrima Junction to Medway was originally put down before the turn of the century for the haulage of coal from the old Lock Catherine mine. When this mine ceased to function the line fell into disrepair until the lease was taken up by A.S. Taylor in 1924. From the mine, some of the stone foundations of the Engine Room was transported to Berrima township where it was used on the Porch of the Presbyterian Church.

The line came back into use in 1927 when construction commenced on our present coal mine. First priority was a bridge to span the gully in front of the mine entrance. This was completed in early 1928 and the prefabricated sections were transported by the old "Tin-Hare".

This "Tin-Hare" was an innovation to overcome the communication difficulties between the Colliery and Berrima. During the winter months the track which existed to Medway was usually impassable. A 30 cwt. Chev. truck was therefore converted to run on the railway line and proved a great success for the transport of materials necessary during the early construction days of the mine.

It is interesting to record that the original road to Medway was laid down by the S.P.C. mine employees themselves who worked in their own time to provide this necessary link.

When the mine commenced production in 1929 the "Tin-Hare" was still functioning to good advantage in competition with the loco in the transport of materials. However, it was later used for transport of the Colliery Manager and staff and performed this duty until 1947. It was of course inevitable that incidents marred the "Tin-Hare's" life and it showed the scars of numerous encounters with trucks which had rammed it during its parked period at the Colliery. A lifting beam served as a turntable and it was just a matter of lifting the machine and facing it towards Berrima.

The last mishap proved too much for the "Tin-Hare". A collision with the loco put an irreparable kink in the chassis and it was decided that its service to the Company was deserving of a permanent rest.

To those interest, the chassis is still lying around the Works to prove the story.

Last month showed much more interest in our problems and quite a number of entries were received.

The winner of Problem No.7 was Miss Anne Taylor of the General Office with a total of 14 words.

Only 4 correct solutions were accepted for No.8 which required an answer of 5 trips in a certain sequence. Dennis Talbert (Colliery) took out the prize for this problem.

This month we present a cross-word puzzle as Problem No.9.  
Entries close on 31st October.

## ACROSS:

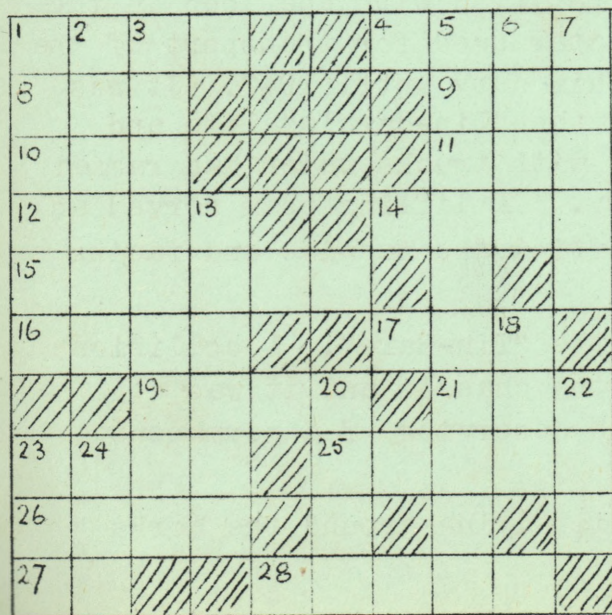
- 1) Sphere.
- 4) Land measure.
- 8) --- --- Khan.
- 9) Fish.
- 10) Intercontinental Ballistic Missile (abrev)
- 11) Insane.
- 12) Fettered.
- 14) Allow.
- 15) Make certain of.
- 16) Morse code.
- 17) It is (abrev.)

## ACROSS:

- 19) Christian Name.
- 21) Hopper.
- 23) Geometrical Solid.
- 25) Geometrical Surface.
- 26) Man's name.
- 27) Ego.
- 28) Grind.

## DOWN:

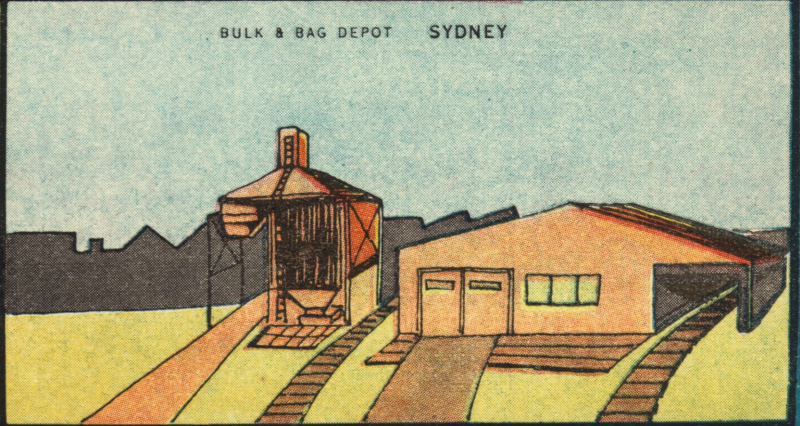
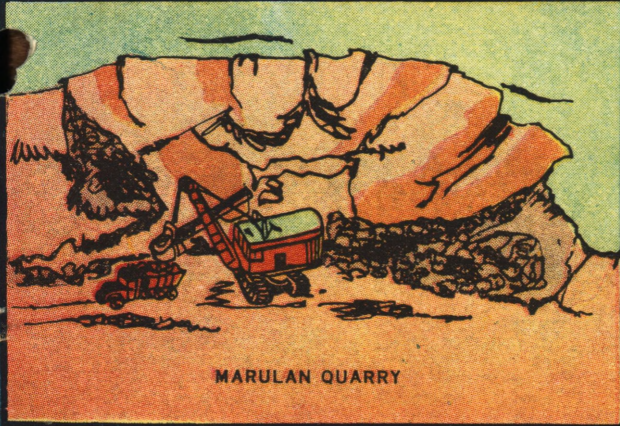
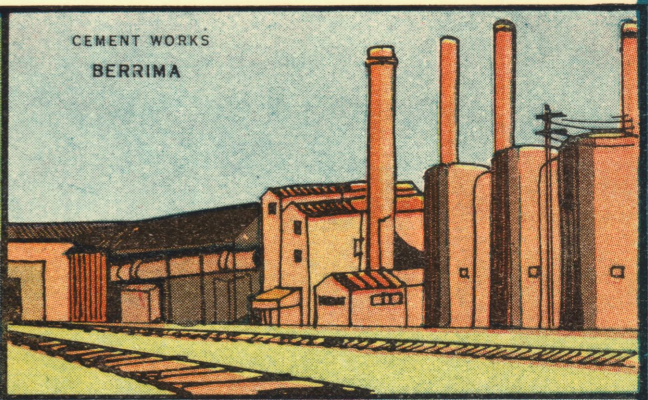
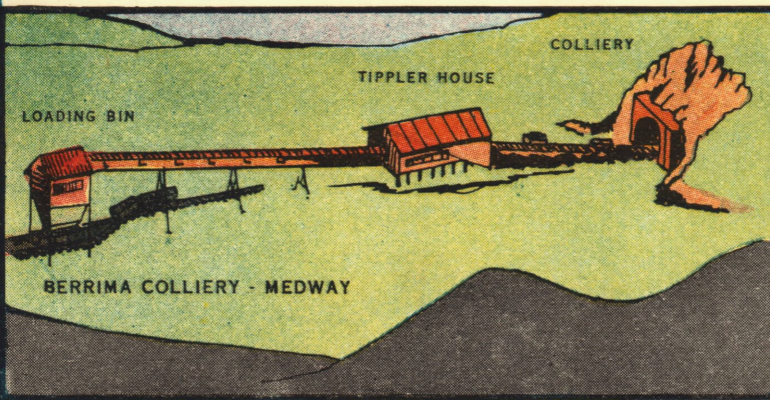
- 1) Prepared a fish hook.
- 2) White kangaroo.
- 3) Calcium carbonate.
- 5) Our product containers.
- 6) Peruse.
- 7) Older.
- 13) Cleaned.
- 18) Wrong doing.
- 20) Unseal.
- 22) Snare.
- 23) Unit of measure.
- 24) Mineral.



*December*

# S. P. C.

## MONTHLY NEWSLETTER



MEDWAY - MARULAN - BERRIMA - SYDNEY

S. P. C. N E W S

Vol. 1 No. 12

December, 1959.

- C O N T E N T S -

|                                          | Page  |
|------------------------------------------|-------|
| Editorial .. .. .                        | 2     |
| General Manager's Notes .. .. .          | 3     |
| Production Notes .. .. .                 | 4     |
| New Australians Amongst Us .. .. .       | 5     |
| Safety News .. .. .                      | 6-8   |
| The Berrima School . . . . .             | 9     |
| Sporting News - by Jack Mott .. .. .     | 10-11 |
| Personal Pars .. .. .                    | 12    |
| Gardening Page - by Mr. C. Crowe .. .. . | 13    |
| Problem Page .. .. .                     | 14    |
| Late News .. .. .                        | 15    |
| The S.P.C. Annual Xmas Picnic .. .. .    | 16    |

---

Dear Readers,

The rather short time available this month for preparation has resulted in what may be termed a lean "Newsletter". However, the usual popular articles have appeared with the emphasis on Safety.

The observance of good safety practices seems to have fallen off over the last two months although one group, Machine Shop, attained a 365 day accident free period. Congratulations to this group and may there be more groups following this fine record.

The new lunchroom is taking shape and no doubt the New Year will see more improvements throughout the Works. The toilet block has been approved and work will commence almost immediately on construction of this amenity.

As this will be the last issue before Xmas we draw your attention to the Annual Picnic which is our last get together for 1959. A gala day is promised for all concerned and with good weather it should be a memorable occasion. Much work has been done by the organising committee to make this day a success and we feel they deserve a vote of thanks. No doubt they will gain satisfaction by seeing a record attendance so remember, be in it !

The Editorial staff extends to all its readers the seasons Greetings with the hope they have a Merry Xmas and a Prosperous New Year.

Until next issue,

Yours,

THE EDITOR.

- GENERAL MANAGER'S NOTES -

On the 11th November, Mr. C.H. Hoskins retired as a Director of "Southern".

He was one of the founders of this Company and an original Director. In his capacity as Chairman of the Board from 1929 until 1957 this Company expanded from the old two kiln plant originally installed up to a four kiln plant having an estimated capacity of 400,000 tons per year which, at the time of commissioning No. 4 kiln, made "Southern" the largest cement plant in Australia.

Mr. Hoskins was also prominent in other industrial and commercial spheres, notably as a founder and Director of A.I.S. Limited and as Chairman of the Principal Board of the A.M.P. Society.

His energy and foresight were outstanding and were the principal factors contributing to our growth over the last 30 years. We regret his departure from the Company and sincerely wish him all the best in retirement.

GENERAL MANAGER.

4.

PRODUCTION NOTES - NOVEMBER, 1959.

MARULAN QUARRY:

Limestone.....Net 69,129 tons.

Mullock ..... 55,285 "

Production was again affected by low consumption at Berrima and heavy rain early in the month, also a shortage of railway trucks.

The opportunity was taken to dig a large tonnage of mullock from the 80 feet wide dyke on the 1790 feet level.

BERRIMA COLLIERY:

Coal..... 15,564 tons (Record)

Production ..... 11.99 tons per shift per miner  
(Record)

..... 5.13 tons per shift per employee.

Congratulations to the Colliery on achieving a new record production and also a record output per miner's shift. These records were achieved only by the splendid co-operation of the Lodge and it is hoped that this spirit remains with us in the New Year.

CEMENT WORKS:

Power..... 3,820,337 kilowatt hours.

With only two kilns on during November the Power House did not have to work at full capacity and No. 2 set was consequently put off for part of the month.

Clinker ..... 17,564 tons.

No. 1 kiln was not required and so repairs to the kiln shell were carried out. This kiln is scheduled to commence operating again on the 2nd January, 1960. The new shell for No. 2 kiln will arrive during December and E.A. Marr has the contract for erecting it. No. 3 kiln operated for most of the month whilst No. 4 kiln operated for the full month.

Cement Sales..... 22,299 tons.

Cement sales were affected by rain during the month however a rush order to Kaisers for the T.2 Power Station project helped our sales tonnage. December sales will be down as in previous years due to the Building Trades holiday over the Christmas period.

This month we present another case history of New Australians. The two selected come from our Marulan Plant.

-----

DICK KRUK - born Holland - 1919.

After leaving High School Dick worked in a bank and later joined the Dutch East Indies Army. In 1938 he was posted to the East with a Signals Regiment.

In 1942 he was taken prisoner in Java and sent to work on the infamous Burma Railway. A unique feature of his work on this line was a period of nine months working on the famous Bridge on the River Kwai.

At the end of the war, Dick stayed on in Malaya for six months with a P.O.W. recovery unit. He then returned to Indonesia and assisted in the rebuilding of telephone services throughout the islands by the Army.

When Indonesia received its independence in 1950 Dick was in charge of telephone line maintenance, both civil and military. He remained in this position until he was discharged from the Army in 1952 when he migrated to Australia and settled at Penrose with his wife and two children.

After working for some time on dairy farms and orchards he started at Marulan as a fitter's assistant, a position he still occupies.

-----

MAX KOSCHENOW: - born Leningrad - 1925.

On leaving school Max worked at several jobs on farms and railways until he was taken into the Army at the age of 16 where he saw action against the German forces on the Western Front. At the end of the war he made his way to Germany where he worked for the American Army for two years.

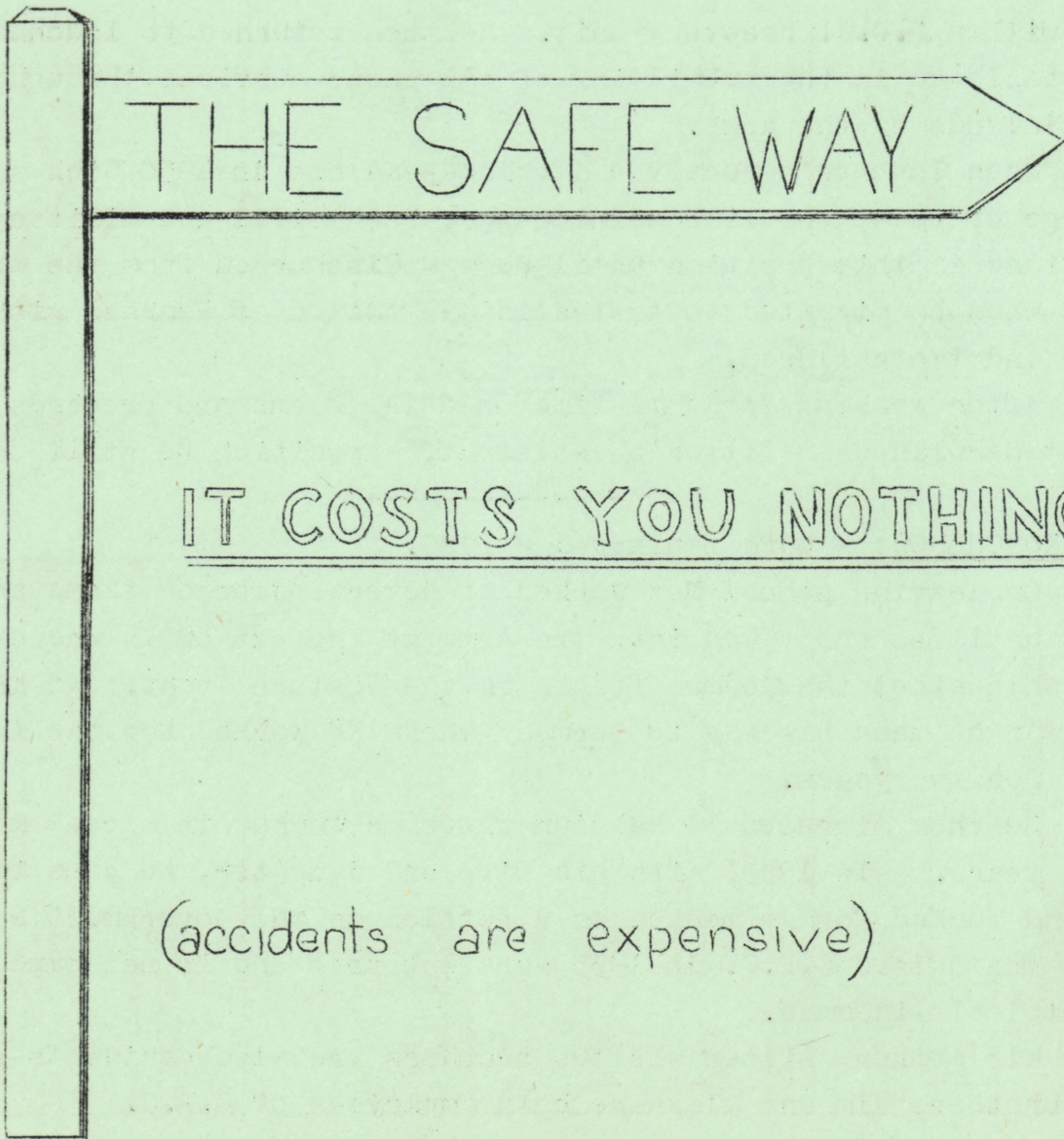
He then migrated to Belgium where he worked in a coal mine for six years. In 1953, with his wife and daughter, he came to Australia and worked for 18 months as a fettler on the Government Railways.

Max joined S.P.C. in 1955 as a labourer and is now employed as an electrical linesman.

His mother, sister and two brothers are also residents of Marulan and brothers Jim and Alex are both employees of S.P.C.

-----ooOoo-----

Which way are  
you working?



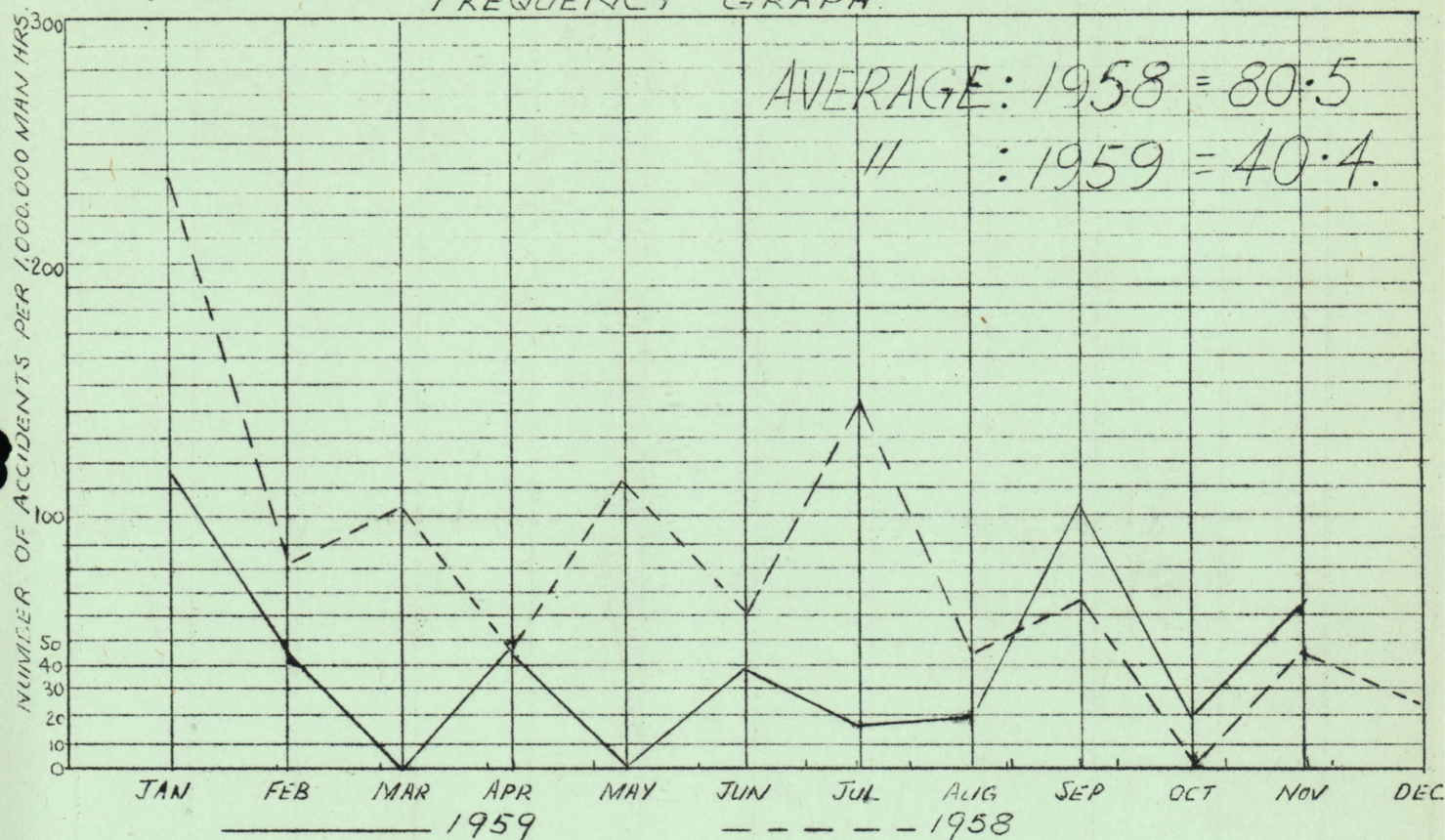
THE SAFE WAY

IT COSTS YOU NOTHING

(accidents are expensive)

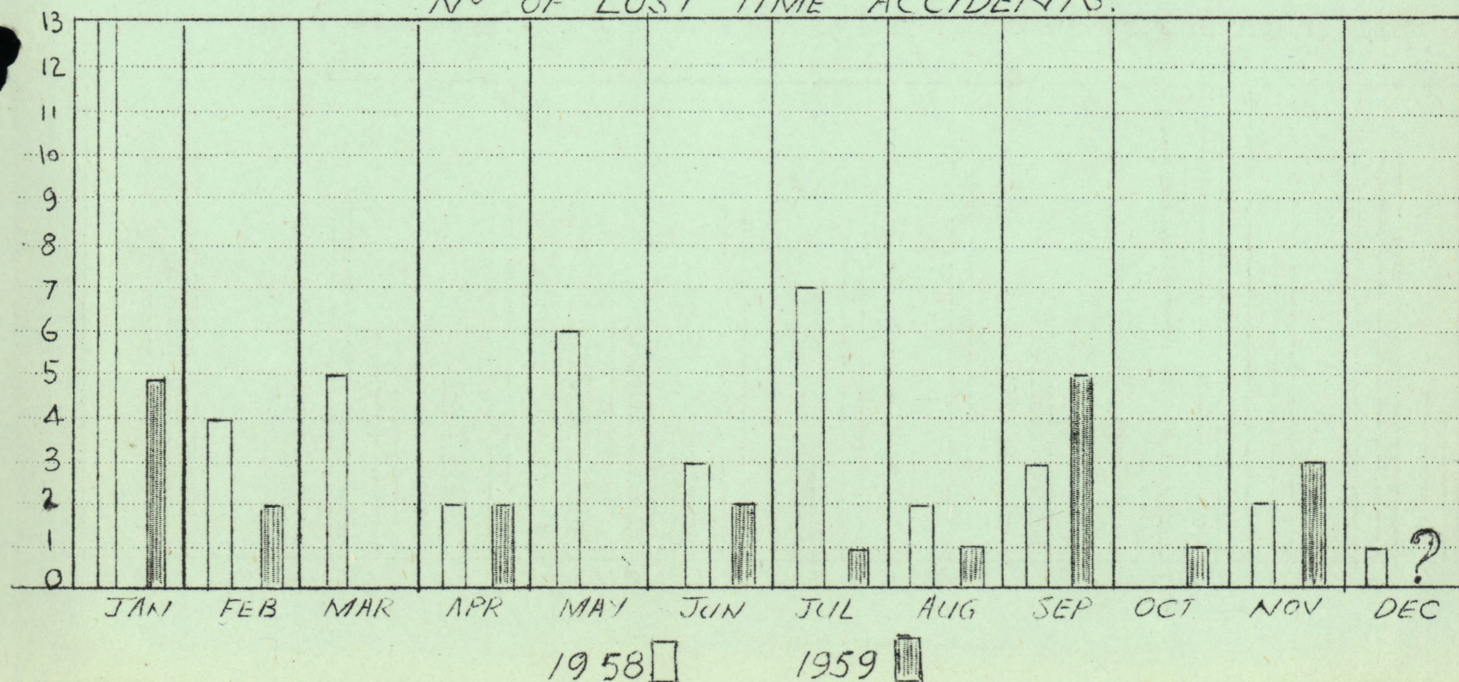
BERRIMA: The following graph indicates the frequency rate of accidents during years 1958 and 1959. It also gives the average frequency rate for the year.

FREQUENCY GRAPH.

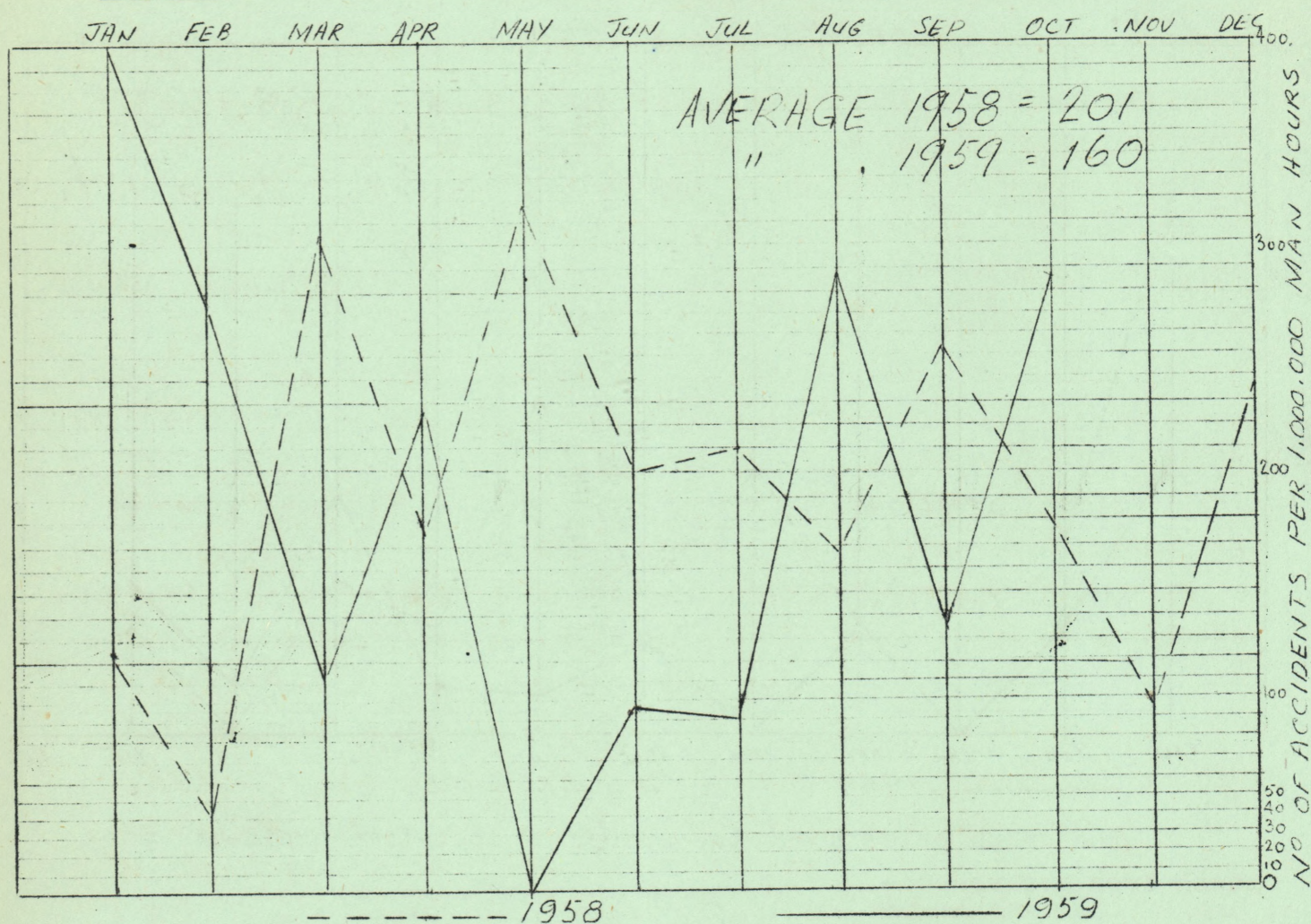


The graph below shows the number of lost-time accidents per month over two years:-

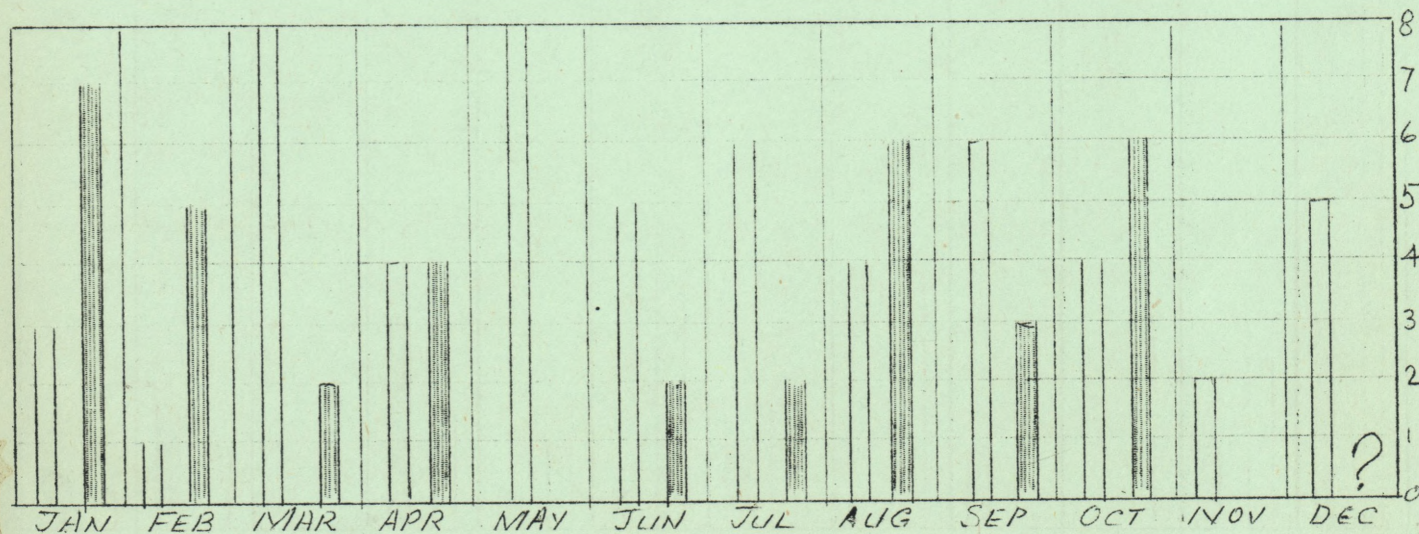
NO OF LOST TIME ACCIDENTS.



8. MARULAN: The following graph is the same as used for Berrima.



This graph shows the comparative figures for two years:-



Saturday, 31st October, was another milestone in the history of Old Berrima when one hundred people attended a function to celebrate the 90th Anniversary of the old school which was opened in 1869.

The function was attended by quite a number of ex students and teachers, the oldest teacher present being Mrs. Cahill who was formerly Miss Walker in her teaching days. Mrs. Cahill related that she was a pupil-teacher in the early days of the school and upon her was bestowed the honour of planting a tree in the school grounds to commemorate the occasion.

A second tree was planted by Mr. E. Brown the oldest ex headmaster present. No doubt this gentleman will be remembered by many local residents who attended the school during the period 1928 to 1933. His stern discipline achieved marvellous results and his many years of hard work were finally rewarded when he was posted to a larger school at Parramatta where he had fourteen teachers under command. Mr. Brown reaches the ripe old age of 80 next July but nevertheless looks remarkably fit.

The oldest ex pupil present was Mrs. T. Wilson, wife of Tom Wilson (Stockhouse) and sister of Mr. Jack Schott (Chief Chemist). School started for Mrs. Wilson in 1907 and in 1910 she was awarded a gold medal as dux of the school. This medal was proudly displayed by Mrs. Wilson during the celebrations.

A delightful afternoon tea was prepared and served by the Berrima Parents and Citizens Association together with the Mothers' Club. The cake cutting ceremony was performed by the two oldest ex pupils present, Mrs. T. Wilson and Mrs. R. Taylor wife of the late Roy Taylor, former Works Secretary of the S.P.C.

As a matter of interest the first school was opened at Berrima in 1855 with an enrolment of 26 pupils and was closed down in 1862. This school was operated by the Board of Education and during the period 1862 to 1869 education was conducted by church schools.

The present school opened with an enrolment of 46 pupils and in 1954 a new Infants' room was added. During the years the interior has been modernised but the exterior is still in its original form.

\*\*\*\*\*

by Jack Mott.

GOLF: Ernie Radnidge is still in top form having won the monthly medal at the Moss Vale Golf Club with a nett 69, from K. Sackley on 73. It would appear likely that the Moss Vale Club's handicappers will be performing a similar operation to that of the Mittagong Club in fleecing a few points off Ernie's handicap.

\*\*\*\*\*

BOWLS: This sport is fast becoming the most popular in the state which at present is credited with a membership of 84,000. Berrima, like most other towns, is following the trend and each month shows the addition of a few members to join the ranks of local bowlers. Two S.P.C. employees to join last month were Norm Stokes and Darrell Wrightson and no doubt they will be followed by many more workmates.

Jim Dray, present holder of the Singles Championships of Moss Vale Club was defeated in this year's tournament by Alan Fraser after a mighty struggle. The final scores were 29 to 31. Better luck next year Jim.

\*\*\*\*\*

HOCKEY: S.P.C. Hockey Club have an eye for the future and have grasped the opportunity given them by patron of the club, Bill Smith, to make a few pounds to set the club on a sound financial basis when the season starts next year. The club is working on two projects, one being a giant hamper competition for Xmas and the other a Chinese Night at the Hostel on Boxing night. This night should prove very popular as it is something out of the ordinary sphere of entertainment. There will be prizes for the best chinese costume, both male and female and an excellent chinese supper will be provided. Decorative chinese lanterns etc. should give a final touch to the atmosphere of the night.

\*\*\*\*\*

SOCIAL CRICKET: S.P.C. social cricketers will entertain a visiting team from the Port Kembla Slab Mill on Sunday next. The team will be accompanied by their wives and children and preparations are being carried out to welcome approximately 45 visitors. Lunch will be provided by S.P.C. for the visitors and the local team. The match will commence at 11 a.m. and will end at 5.30 p.m. Refreshments will be served during play in the usual manner and a good day's entertainment is anticipated.

The following members will represent S.P.C. and all players are required at the Oval by 11 a.m.:-

|                    |                      |
|--------------------|----------------------|
| G. Beattie (Capt.) | K. Mott              |
| L. Knight          | T. Waide             |
| J. Mitchell        | J. Townsend          |
| J. Hebblewhite     | D. Moore             |
| F. Bell            | N. Austin            |
| H. McDonnell       | R. Longhurst         |
| K. Moore           | J. Tickner (reserve) |

\*\*\*\*\*

COMP. CRICKET: After losing the first match of the current competition, S.P.C. has struck form and has attained a formidable record by defeating Mittagong outright, Robertson on the first innings and Bundanoon, their most recent match, another outright victory. Most outstanding players during these matches were Ned Beattie for his excellent wicketkeeping and fine batting while H. McDonnell and K. Mott have been bowling well throughout.

-----ooOoo-----

In the course of a medical examination a chap was asked in the usual way to stretch out his arms in front of him with the fingers of each hand extended.

What the doctor saw was not a mere tremor but such a quivering and shaking in all directions as to be positively alarming.

"Good Lord!" he said. "How ever much do you drink?"

"Scarcely anything at all," answered the examinee, "I spill most of it."

\*\*\*\*\*

I have heard it said that the secret of good health is to eat onions, but I have never been able to understand how you can eat onions and keep the secret.

\*\*\*\*\*

The only thing ever worth putting on a horse was Lady Godiva.

\*\*\*\*\*

He called his girl Candy Bar. Not because she was sweet, but because she was half nuts.

-----ooOoo-----

PERSONAL PARSHeard on the Grapevine

BERRIMA: Mr. and Mrs. Johnny Doyle are the proud parents of a baby daughter born on Tuesday, 24th November. Karen Anne are the names chosen for the new arrival. Congratulations Johnny !!

\*\*\*\*\*

A new resident to New Berrima is Kevin Lobley who was married recently. Congratulations and best wishes to this happy couple.

\*\*\*\*\*

MEDWAY: To Mr. and Mrs. Bill Beaton, a baby daughter. Congratulations Bill !!

\*\*\*\*\*

To Mr. and Mrs. Billy O'Brien, a baby son. Congratulations Billy !!

\*\*\*\*\*

To Mr. and Mrs. George Fenamore, a baby son. This is a memorable occasion for these proud parents as they have four daughters. Congratulations George !!

\*\*\*\*\*

Congratulations and best wishes to Johnny French on his marriage to Miss Margaret Parker of Bowral.

\*\*\*\*\*

E. (Cocky) Carey is to be commended on his win with Woolly Jumper in the Draught Horse Derby at the Bong Bong Picnic Races.

\*\*\*\*\*

All employees take this opportunity of extending to Mr. J.J. Smith their best wishes on his retirement at Xmas. J.J. also gets a mention on the Problem Page.

\*\*\*\*\*

Jim Aston, Pit Top Clipper, suffered a broken leg during last month and his pals at Medway wish him a speedy recovery and an early return to work.

\*\*\*\*\*

Our sympathy to Mrs. Fred Armstrong of Medway who is hospitalised at the moment. Best wishes for a speedy recovery are extended to her by her many friends.

\*\*\*\*\*

- GARDENING PAGE -

by Mr. C. Crowe.

NOTES FOR DECEMBER:FLOWERS:

SOW: Antirrhinums, Asters, Amaranthus, Balsam, Coreopsis, Celosia, Cosmos, Sunflowers, Marigold, (African and French), Portulaca, Phlox, Scabiosa, Salpiglossis, Stock, Sweet William, Sweet Sultan, Verbena, Zinnia.

PLANT: Dahlias and Chrysanthemums.

VEGETABLES:

SOW: Beet, Dwarf French Beans, Butter Beans, Runner Beans, Cabbage and Cauliflower, Carrot, Parsnip, Sweet Corn, White Turnip, Peas, Celery, Capsicum, Cucumber, Melons, Pumpkin, Squash, Vegetable Marrow, Cress, Lettuce, Mustard, Onion, Radish.

PLANT: Tomatoes, Lettuce, Eschalot, Hill Potatoes now.

Keep baiting for Snails and Slugs, they will gradually disappear even 'though it seems you are attracting all those from surrounding districts.

Keep spraying Roses and Gladioli with Horticultural DDT for Aphis and Thrips.

Our old enemy "the caterpillar", is now showing on Cypresses and various other shrubs and trees and vines. Spray with Arsenate of Lead for these, or any good spray for leaf-eating pests.

The heavy rain over the past weeks and warm weather has produced lush growth on many shrubs. These can now be lightly trimmed without damage.

Chip and tidy around garden beds now, to keep down weeds and so have a rest from hard work over the Christmas period.

Give leafy vegetables, peas and beans, a light side-dressing of Sulphate of Ammonia, to keep them moving during the hot weather and encourage hearting of lettuces.

\*\*\*\*\*

PROBLEM 10.

The correct solution is shown at right and quite a few correct entries were received. The £1 prize goes to J.J. Smith (Colliery) who was the lucky one out of the hat.

|   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|
| S | C | E | N | T |   | K | I | L | N |
| U | L | M |   |   |   | N | E | E |   |
| M | O | O |   |   |   | T | A | P |   |
| M | U | T | E |   |   | L | E | N | A |
| E | D | I | T | O | R |   | R |   | L |
| R |   | O | H |   |   | H | E | M |   |
|   |   | N | I | L | E |   | S | O | S |
| B | O | A | C |   |   | T | O | T | A |
| E | E | L | S |   |   | C |   | E | Y |
| E | R |   |   |   |   | C | H | I | D |

\*\*\*\*\*

PROBLEM 11.

Shown below. Entries close on 30th December. Let's have your entries as this problem carries a prize of £1.

DOWN:

1. Trying
2. Ripped
3. Singles
4. Catches sight of
5. Set again
6. Inches (abrev)
7. Poem
10. Ancient paper
12. Flow slowly
15. Boundary
16. Tips over
17. Corrode
19. Strong impulse
20. Eight, -, Tenth
26. Shed tears

ACROSS:

1. Repent
5. Uproar
8. Unit of measure
9. Use money
11. Invades private property
13. Printers measures
14. Anger
15. Instruct
18. Deal with severely
21. Young dog
22. Remove waste
23. Growth on rocks
24. Set afire
25. And so on
27. Basic
28. Negative
29. Gold measure (abrev.)
30. Cunning

|    |    |    |    |    |    |   |    |    |    |
|----|----|----|----|----|----|---|----|----|----|
| 1  | 2  | 3  |    | 4  |    | 5 | 6  | 7  |    |
| 8  |    |    |    | 9  | 10 |   |    |    |    |
| 11 |    |    |    |    |    |   |    |    | 12 |
| 13 |    |    |    | 14 |    |   |    |    |    |
|    |    |    | 15 |    |    |   | 16 | 17 |    |
| 18 | 19 | 20 |    |    |    |   | 21 |    |    |
| 22 |    |    |    |    | 23 |   |    |    |    |
| 24 |    |    |    |    |    |   | 25 |    | 26 |
| 27 |    |    |    |    | 28 |   |    |    |    |
|    |    |    |    | 29 |    |   | 30 |    |    |

MARULAN

The Marulan South Cricket Club has been re-formed after a lapse of several years.

Office bearers in the new Club are:-

|            |                    |
|------------|--------------------|
| President: | Mr. L. Cooper.     |
| Secretary: | Mr. J. Galloway.   |
| Treasurer: | Mr. S.M. Cosgrove. |
| Captain:   | Mr. L. Veal.       |

The oval at Marulan is now well grassed and has been fenced.

The first match will be played next Sunday against Marulan Soccer Club.

It is hoped that a match can be arranged against Berrima in the near future.

\*\*\*\*\*

SAFETY FIRST

PLANT FIGURES

BERRIMA:

As at 3rd December, the plant figure stands at 15 days.

MARULAN:

As at 3rd December, the plant figure stands at 2 days.

-----

THE MAIN THING TO SAVE FOR YOUR OLD AGE  
IS YOURSELF.

\*\*\*\*\*

"As easy as falling off a water-wagon".

\*\*\*\*\*

The responsibility of many tends to become the care of none.

\*\*\*\*\*

Home. The place where a man goes when he is tired of being nice to people.

-----ooOoo-----

THE S.P.C. WORKS ANNUAL XMAS PICNIC.

At last the day is approaching for this much looked for occasion. Being the only annual get together of all Works employees it is anticipated that a great day will be had by all concerned together with their families who are especially catered for.

The main features of the Picnic are as follows:-

A Xmas tree for the kiddies from which Santa Claus will dispense his goods.

Competitive sports for both the children and adults.

Refreshments for all during the day.

The picnic will be held at Exeter Park on Saturday, 19th December and for those requiring transport, the following bus timetable applies:-

| <u>No. 1 Bus Departs</u> |            | <u>No. 2 Bus Departs</u> |            |
|--------------------------|------------|--------------------------|------------|
| MITTAGONG                | 11.30 a.m. | MITTAGONG                | 12 noon    |
| WELBY                    | 11.40 "    | BOWRAL                   | 12.15 p.m. |
| OLD BERRIMA              | 12.5 p.m.  | BURRADOO                 | 12.25 "    |
| NEW BERRIMA              | 12.15 p.m. | MOSS VALE                | 12.40 "    |

Interest is running high in the main event to highlight the day, the General Manager's Trophy. This trophy is awarded to the Department which has the highest aggregate of points allotted for the various events covered by the trophy.

They are:-

|            |           |                       |
|------------|-----------|-----------------------|
| Tug-O-War  | -         | 4 men team.           |
| Relay Race | - 85 yds. | - 4 men team.         |
| Flat Race  | - 85 yds. | - 25 years and under. |
| " "        | 50 "      | 26 years to 39 years. |
| " "        | 40 "      | 40 years and over.    |

The present holder of the trophy is the Electrical Department who are favoured to win the event again this year. However, the Machine Shop have been in training for some time and their chances are considered to be good. Furthermore, a dark horse department is training in secret and could cause a major upset to those "running the book".

Whatever happens, a great deal of interest will be centred on this event.