$G$ Stephen $B^{2}$ Nournal of the Swinburne Junior Technical College.


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# THE SWINBURNIAN Journal of the Swinburne Junior Technical College 

## VOL. 1

JUNE, 1923
No. 2.


## EDITORIAL.

Comrades, we present issue No. 2 of the "Swinburnian," to which, we are sure, you have all been looking forward.

Judging by the contributions sent in to the Editor, the first number evidently aroused general interest.

It is hoped that the "Swinburnian" will help to centre interest in our College. Already we can say that there are young men to-day, who are making their way successfully in positions of great promise, who haye sat in the same
seats that we use now and who have been taught by some of our present masters. We would like "Swinburne" to be spoken of as : School that produces men of a fine stamp.

When the present boys reach manhood and are well on the journey to success, we want them to look back with pleasure and affection on the days when they were striving to obtain a sound foundation for the business c life.

It is hoped that the following pages will hold the reader's interest in the School as well as amuse him in a quiet hour.

The Editor is not afraid that anyone will take offence at any personal references in this issue, as they are all intended in a sporting nature, and he is sure they will be taken as such. However, the "sub" and two of our reporters have insured their lives recently against accident.

We have in other columns referred to one or two ways by which our School might be improved, and we trust that the College Council will read the boys' point of view sympathetically.

That our Librarians have the interest of the subscribers at heart is apparent in the gift of a number of interesting and and instructive magazines and papers from each of them. Outside the library itself, interest is further shown by the generosity of the Hon. George Swinburne and Mr. McKay. Further reference to these matters occurs in other columns.

We are glad to have Mr. Hoey back with us again, after an absence of several weeks, owing to an attack of measles.

Mr . Jones, too, withdrew his genial personality for a fortnight, pending his recovery from a bout with the inevitable 'flu. But the fates have been kind, and he is with us again.

THE EDITOR.

## THE TRIP TO POINT COOK.

"Boys, the officials of the Point Cook aerodrome have arranged to show 80 of you over the aerodrome on December 19, so if any of the second and third-year boys would care to go, please hand me your names," said Mr. McKay to us while we were assembled in our lines one day. We stood and looked at each other open-mouthed with astonishment, and then each eligible boy began to see himself in an aeroplane, and doing the most weird and wonderful (to say nothing of impossible) stunts imaginable. It was easy enough to pick out the first-year boys in the days that followed, and also the boys whose entries were rejected, when the final arrangements were made. To hear these boys talk, one would have thought that Mr. McKay was the most inconsiderate man that ever lived on earth.

December 19 dawned brightly, and punctually at 11 a.m. the chosen 80 assembled at the Spencer-street station and made one huge rush at the train. When the train pulled in at Laverton, we all tumbled out as best we could and rushed the three big motor lorries that the A.F.C. had sent for us. Then we started off for Point Cook. Did I hear you say anything about dust? 'Nuff said! Luckily, I was in the first lorry, but you should have seen the crowd that got out of the second and third lorries. My stars!. To put it in the words of a poet, "There was dust to the right of them, there was dust to the left of them, there was dust all around them!' But, in plain language, there was dust everywhere, and in everything-even their lunches. It was the dustiest three-mile trip that any of us had ever experienced, and ever expect to have again.

When we arrived, a big mug of tea, that held quite a pint, was given to each of us. We were told to eat, so we made for the beach and had our lunch. After lunch we were lined up and divided into groups. Then the fun started. First of all, an exhibition of fancy flying was given, which we enjoyed very much, our only trouble being the refusal of our "direct requests," "gentle hints" and other methods of showing our desires. for a "go." Another trouble, only not so bad, was the effects of that disease known as "gazer's neck." We were slightly consoled when we were moved off and allowed to clamber into any vacant machine-(note, I said vacant)in which we waggled and pulled everything
that looked movable, from the propeller to the rudder. At last we managed to drag ourselves away from the 'planes, and then we were taken over to the workshops, where we observed the parts of the dismantled machines. From there we went to the lecture rooms, where we had the principles of bombing, flight, observation, warfare and signalling explained to us. The wireless "fans" were in their glory when we reached the wireless cabins, and many others have got the craze because of the interesting way in which the different apparatus was explained to us. The luckiest cf us got a chance to "listen in" for a while, and the luckiest of them heard a boat signalling to one of the stations around the coast.

When at last the guides told us that was the finish, they heaved a sigh of relief. We made for the beach, where the majority of us were tempted to have a bathe to get some of the dust off our skins, even though it meant Nature's garments for most of us.

Punctually at 6 o'clock the lorries started for the station from the aerodrome. Some budding musician started playing "For They Are Jolly Good Fellows" (should I say playing or murdering?) on that age-old instrument, the mouth organ. Owing to the lorry striking a bumpy section of the road, his efforts at "The End of a Perfect Day" were nipped in the bud.
We eventually arrived at the station and waitea for the train, during which period each one of us had risions of being Australia's "Flying Ace."
When the train started for home, the musical one began again, and although we compared his efforts to chaffcutters and axles that required grease in large quantities, each one of us vowed that he "Had Come to the End of a Perfect Day."
"BISH."

## FORM NOTES.

## A1.

We started the year 1923 with plenty of good resolutions. But as there is a saying concerning good resolutions, they will not be discussed. In the first early weeks a ping pong clul) was formed among a select group. They had their headquarters in Room - where they chased the glowing noonday hour with flying feet, to the detriment of their digestion, if that were possible. This craze soon died its natural death, as such things will. The
weather at that time of the year was very suitable for swimming, so a carnival was held at the baths, where Wiltshire greatly distinguished himself and the grade. Not long after a dodge ball competition took place, in which many exciting games were fought out.

The results of last year's labours became apparent when the list of names of Junior Tech. Certificates came to hand. We desire to thank Mr. McKay and the members of the staff for coaching us through the exams; of last year, and for finding billets for those boys who were then about to leave.

## Heard About the Class.

A little laddie has been sighing for his peaceful Murray home.

Some bright lad, seeing a steam roller in a muddy street, asked the writer why it did not have mudguards. Poor fellow, he is still wondering.

One of our young friends is afflicted with a peculiar form of weakness. He fancies he possesses a pet, which he says is a Nook Bird. From what we can gather from his ramblings, it must be a singular bird. People say that some people have a skeleton in their cupboard, but this chap must have something very lively in his hen house.

We have been trying to find a suitable war cry for the grade. The following may perhaps be suitable, if shouted with plenty of noise: Have you heard of the A1 boys?

Yes! yes! and yes!! again
Have you ever heard them make a noise?
Yes! yes! and yes! again.
For We are the boys for the liveliest larks, We're really, yes really, delightful young sparks,
The Head when he sees us politely remarks,
That We are the boys.

## A2.

Friends, Romans, Countrymen,
Lend me your eyes.
We are A2, known to everyone as the best grade in the School, but there are exceptions to all. rules, and some boy would challenge this (all other grades). We started off at the beginning of the year with 13 boys, but soon after the start one boy thought the Working Men's College better than our School, so he went there, but I think he made a mistake. We seem to have had no better luck-since. Other boys left, and one was transferred at the end of the first term. One
of the youths who did engineering, evidently thought that woodwork would be a better and cleaner game. At the beginning of the year we had our woodwork in the senior room, but as there was not enough room we came back to the Junior School. We like this better. In addition to woodwork, we have one lesson a week on sheetmetal, which we also like very much.

Now, leaving the School work, we come to sport. In the dodge ball competition for the challenge cup we were not successful in the first round, but we are still as happy as any other grade in the School, including the two grades who are to play off for the final.

We have no further news to write about, so I will wish the magazine every success, and hope that this issue will be better even than the last.
A.H.R.

## B1.

Examinations are now with us again, and we call to mind that light-heared feeling we experienced last April.

The contributions to the fund for the Breakup Party at the year end are hurting our pockets. But, according to a certain notice, "Boys failing to subscribe the correct sum per week will be confiscated." How terrible!

At sports we are doing fairly well. We are up to the finals in the dodge-ball competitions. The final match has been postponed several times for one reason or another.

Before the last examination our grade was only 15 strong; but now we have some ex-B3 "fags," whom we have licked into shape, and who are now, of course, gentlemen.

I often wonder why I was made form reporter, and so now I will gladly cease scratching with my pen.
E.C.

## B2.

When last we made appearance in the coveted pages of the "Swinburnian" we were not B2.

For B2 is comprised of a great number of ex-C2 boys and a few C1-ites. We are often referred to as "Wood-butchers," but we care not; for what's in a name? And, anyway, is not the job of a "file-grafter" monotonous when compared with ours?

Dodge-ball claimed our attention very strongly while the competition was in full swing. We won a couple of exciting games in the competition for the cup. We did not have the luck to stick out till the final, but we
still have several months in which to recuperate. Then, when the second competition arrives, let all beware.
Lately the cold weather has been noticeable, and most of the School are appreciating the gas fires. Not so with B2. Oh, no! We have a perpetual fire in our grade, namely, the hirsute adornments of Richmond Football Club (most likely known to B2 only.) It was noticed one cold morning at design that the above worthy suddenly brought his hands up to his head-assuredly it was an inspiration
Like all good things, this epistle must end. H.T.

## B3.

We are B3! Perhaps you would like an introduction? Here, then, is one devoid of all the egatism that marks so many of the other sections. This is a candid opinion of our grade.

There are a few talkers in B3 who both spoil the class average and its reputation. Yet many of the talkers are good on the sports field. B3 are in the final dodge-ball match, and, needless to say, we expect to win. There are a fair number of the senior footballers in our class, and several of the junior team as well. We also obtained most of the points in the swimming carnival. With such success to our credit, we are leading for the Boanas Cup.

In the competitions for the home work we were about fifth. We are making a wonderful improvement in School work, which is going to continue, and we will be the top oi the School by the last term. What does B4 say? They are very interested in our pro-gress-they love us so. Several of the class were promoted to other grades after the last exam. Amongst them was the former cap: tain, D. Harding. We were sorry to lose him. I am but a weak substitute.

J. E. HODGES.

## B4.

B4 has upheld its reputation by coming first in the mathematics home work, and had hard luck by getting third in the English homework.

We were sorry to lose K. Forbes, D. Searle, M. Corr, and A. Bennes, all of whom have been transferred to B2. Our numbers were improved, however, by the addition of C : Ragg and J. Walker from other grades.

B4 reached the semi-finals at dodge-ball, but could not beat the strong team of D. Harding (captain of B3) and his followers. We will do better next time.

E. J. HUNTER, Captain.<br>C. RAGG, Secretary.

## B5.

Many people do not consider that B5 is the best class in the School, but it is certainly not the worst, for were not three boys promoted after the last terminal examinations?
We were not very successful in the dodgeball competitions, but hope to do better in the basket-ball circles and other class competions.

Cricket claims a large share of our sporting interests in the summer, and to show that we can excel in some directions we decided to defe=t B1 and 2: B3 and 4 we also marked out for doom. Naturally we succeeded in our objects.

Some of the best footballers of the Junior School are from B5. They include Toot Galley, famous as a full-back; Billy Freame, stalwart centre wing, and "Fat" Collins, a back on the wing. We have, therefore. established a reputation in the sporting sphere. Now our best efforts are being bended to establishing an even better one in scholastic affairs. Shall we succeed?

## I. T. COLLINS

B6.
The fact that boys are promoted from our grade suggests that $\mathrm{B}_{6}$ is keeping pace with the other grades.

In sport we were successful in our first dodge-hall match against C3, but in the second were defeated hy Al by one man, only after a close and exciting game. We hope to do even better in the basket-ball matches.
We only played two cricket matches-one against B3 and 4, and the other against B1 and 2-and we won both, which proves that, in sport at least, B6 can more than hold its own
R. ROFF.

## C1.

Our sports official of the grade "Capped" the class in studies, while, naturally, the "Brain" was not far beneath. A certain other member of the class has "Proven" he is able to maintain a good standard of work. "Burdened" by such a name, our dear old pal only attained fourth place. Still, Fisher hooked 73 per cent average in studies.

Bunning (captain of grade) is our best footballer. He plays with the senior team. Naismith and Crichton, also good players, are in the juniors.

We did not do well in dodge-ball through the mistaken valour in defying the ball to do its worst.

## C2.

Naturally great things are expected from C 2 , and we are trying hard to merit a good reputation. C 1 , our "sister" class, beat us for the honour of having the boy who secured highest marks among the first-years. However, we had one boy-Savage by name and savage by nature-who fiercely strove and secured second place among all the first-years, and first place in our own grade.

We are quite a happy little family, can do our share in sports and all other activities. We welcome Ewenson and Raeburn, who were recently honoured for good work in the previous term, by promotion to our ranks.

John M. McCormack wishes us to give a most emphatic denial to the rumour that he is the celebrated tenor recently touring Australia. His musical aspirations, we know only too well, are confined to operatic selections on his mouth organ.

I know that would hardly be a good conclusion to an account of such a section as ours, but 1 really must find some excAh! the telephone.

## C3.

C3, having studied seriously at School work, decided not to go in for much sport. In the first term examination we obtained pretty fair results.

In sport we've beaten C4 at cricket, but this term they decided not to have a football team, as there were hardly enough who knew the game.
We played B6 at dodge-ball, but were beaten. Most of the boys in C3 are good workers.
We are a very loyal grade. One of our number is called "Red," another is nicknamed "Snow." A few in the class always feel a little blue at examination time. So you will see how we have made our reputation.

C4.
Alone in the empty class-room The poor reporter stands,
The pen and paper flutter from His nervous, trembling hands.
Well, here goes, anyway! As regards the work, we were told by our algebra teacher

that we had done more than the half-year's work. In sheet-metal we are backward owing to the fact that a number of holidays have clashed with our ordinary lesson time.

We won our first dodge-ball match, but were defeated by one of the second year teams in our second. We have one player from our class (Eckberg) in the junior football team.
I.D. McC .

## C5.

We believe that C 5 is one of the best classes in the School for sport. Cricket is the game we like. We played C6 in a cricket match, and we won. C6 scored 44 runs and we made 49 , thus winning by 5 runs. They played us again, and we beat them by 12 runs. We have also met A 1 at dodge-ball, and A 1 won. We haven't had much experience with that game, but we are good in other kinds of sport. Anyhow, we are still young, and, too, have patience. All the boys in this class are enthusiastic members of the Break-up Party.

> H. HUGHES.

## C6.

We are too modest to claim to be the best class in the School with regard to studies; but some, at least, of the masters, are very fond of us; for do they not ask for the pleasure of our company even after the usual closing time? However, we have now changed our minds about several things, and have commenced a course less inglorious.

We are also awaiting fame in the sporting line. At present we have four points to our credit for our success in dodge-ball. Our success consisted of our luck in getting the bye.

Most of our class think they have ạ ear for music. A few are not showing it in a practical way, but, they tell me, they are going to make amends by paying their share soon for the gramophone.

## C7.

## How C7 Got Their Names.

A Sharpe boy named Jones decided to go Eastwood to find a certain Taylor. Coming to the next town he was Eager to find the Price of things. He went into a grocer's shop and asked what Ham cost. Coming out, he saw a boy throw a Stone at some Carroll singers (who were mostly ladies). There Leder And-er-son gave chase. When they returned they were just in time to see an old house Burn.

[^0]
## THE POEM OF RIGHTS.

I wonder now if anyone
In this broad land has heard
In favor of down-trodiden boys
A solitary word.
We hear enough of "women's rigite"
And "rights of working men";
Of "equal rights" and "nations' rigbts";
But you just tell me when
"Boys' rights" were spoken of.
Why, we've become so used
To being snubbed by everyone,
And slighted and abused,
That when one is polite to us
We stare with all our eyes
And stretch them in astonishment
To nearly twice their size.
Boys seldom dare to ask boy friends To venture in the house, For 't isn't nature at all
To creep round like a mcuse, And if we do forget ourselves And make one bit of noise, Then some good auntie ouick would say. "Oh, my! Those dreadful boys."
The girls may the piano thrum All day, but if the boys
Play just one tune with fife or drum. It's "Stop that horrid noise." So off we go to romp and tear And scamper in the street. Perhaps that text the preacher quotes Sometimes, "Train up a child," Means only train the little girls, And let the boys run wild.
But, patience, boys, the time will come When we shall all be men, And, when it does, I rather think W:ongs will be righted then.
From "Kind Words."

## OUR COLLEGE: SUGGESTED IMPROVE. MENTS. Lockers.

The lockers at present are badly situated. Some are scattered about upstairs and others are in the main corridor on the ground floor. This corridor is the main exit for the whole College, and people have every right to pass to and fro freely and in comfort.
Since the lockers are placed for 30 feet or so along one side of this passage, we boys have an equal right to make full use of the lockers at noon recess and at other times. Someone, while attempting to pass a few minutes before 1 o'clock, once made an un-
called-for remark about the blockage in the cortidor. A flash of inspiration would have convinced anyone that the position of the lockers was the cause of the congestion. What an advantage it would be to have one special rooms like many other colleges!

## Swirmming.

A continuous swimming class is a very important matter while we have any good swimmers in the School. Let us keep this in mind for the coming summer. Education authorities are unceasingly emphasising the necessity for a knowledge not only of swimming, but also of life-saving efforts and resuscitation. We have no such class here. The suggestion that one or two first-year boys get drowned as a publicity campaign, has not met with any success. Some people are very slack.

## Speech Night.

- In other colleges, the last night of their year of toil is devoted to a Speech Night. This gives an excellent opportunity for a concert and presentation of prizes or sports trophies. If we had a similar evening at the end of the term, we are sure the "Old Boys" would show their interest by attending also.


## Exercise.

Last, but not least, we would like to urge that the Gymnasium be fitted up, and classes be held.
The above paragraphs are the students' own viewpoint, and although there would be a little money involved, we know that these things would give the students great satisfaction.

## THINGS WE HEAR EVERY DAY.

"Precisely so!"
"Now look at the stupidity of--"
"That boy shall come with me presently."
"Now, look here, my boy--"
"Act like an ordinary, rational human being."
"It's too late now, boys."
"Er-as you were!"
"Not smart enough! Do it again."
"We will now have a census of the work done this afternoon."
"I will give you three cuts presently, you'll see."
"The position of the body is an indication of the state of the body."
"Sit down there!"


# Character in Clothes 

W HOEVER puts a man in Good Clothes does much to make that man a Success-Whoever puts him in inferior clothes takes away something that belongs to his life. Dobson's aspire to help men win success by giving them clothes that express their best ideals of dignity, taste and character. A man must win the approval of his better self before he can be a Success-and Good Clothes help.


Dependable Men's Wear
GLENEERRIE RROAD
Between Burwood Rd. and Railway Station
SCHCOL COLORS IN 4-PLY HOSIERY, BLAZERS and CAPS, Eic.

[^1]
## LETTER FROM OVERSEAS.

This is a copy of a letter received by Mr . McKay from an unknown friend in New Orleans, U.S.A., telling us of a very gay period of the year in that part of the world. The letter has been answered by one of the boys in this College.

> 90 Elysian Fields Av.,
> New Orleans, La., February 6, 1923.

Dear Unknown Friend,-
Carnival is near; it will be on February 13 this year. I wish you were here to enjoy it. Carnival, or Mardi Gras, is the season between Twelfth Night and Lent. It is our gayest season. Thursday evening before Mardi Gras, the Knights of Momus parade. After the parade Menius entertains at a ball at the Atheneum. At the landing at the foot of Canal-street, at noon Monday, the eve of Mardi Gras, Rex arrives, hailed by prolonged salute of cannon and whistles from every craft in the harbor. A procession, composed of dignitaries of the city, the soldiers from Jackson Barracks, the crews of the visiting warships, the State militia and part of the
city police force, then escort Rex to the City. Hall. Here the Mayor of New Orleans presents him with the keys of the city, and he begins his frolicsome rule of 36 hours, during. which time the air resounds with the Royal anthem, "If I Ever Cease to Love." On Monday night is the parade of Proteus, and Proteus seems not to limit the cost.

At noon on Mardi Gras, Rex parades in fanciful array through our principal streets, and stops at the Pickwick Club; in Canalstreet, to salute the Queen of Carnival and the members of her court, and present Her Majesty with a bouquet in the carnival colors -purple, green and gold. Mardi Gras day, the people mask and disguise themselves and have fun in many ways.

Mardi Gras night, Rex entertains at a public ball at the Atheneum, corner of St. Charles and Clio streets. At midnight, Rex and his Queen, accompanied by the members of the court, visit Comus. The union of the two courts in the Grand March following the arrival of the Royal guests is one of the most gorgeous and beautifui spectacles in the social. life of the United States.

# Electric Motors 

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The Swedish (A.S.E.A.) Motors have been on this market for 20 years, and becarse of the high standard of efficiency t ey are being installed in increasing numbers year by year. It is necessary always to specily (A.S.E.A.) Manufacture, b-cause some small factories in Sweden have lately come on this market and the product is described as Swedish. The (A.S.E.A.) Motors have a high reputation that is world wide.

One of the most important factors concerning the Mardi Gras is the secrecy and mystery eirshrouding, the great pageants. The public know nothing about them until they see them appear on the streets. The expense of these parades is borne by the members of the "Mystic Krews," and ranges from 20,000 to 30,000 dollars, and sometimes more, for a single pageant. As soon as Mardi Gras is over, preparation begins for the next.

Dear friend, I have told you of our gayest season, and I do hope you will write me something of your gayest season.

Yours truly,
FRANCES SALTARELLI (7th Grade A).

## NOTES AROUND THE SCHOOL.

 Measles-Marriage-Music-Maple Leaves(At) Mosphere.
## Measles.

Mr. Hoey is with us again, after being away for scveral weeks-he had been having too many "spots"-but he promises not to do it again this year at least.

## Marriage.

All our good wishes go with Miss Moynihan, who has recently resigned from the staff to cross the Rubicon. (She is at present living, $I$ beliéve, under an assumed name.) The happy event took place on June 11. We always knew her heart was in her work. If further evidence were needed, there is the fact that she has married another technical school instructor. Her fellow members on the staff. of the Junior School, when expressing their good wishes for her future happiness, presented her with a handsome teaset.

The students of the J.T.S. also made a presentation-the result of a fund quietly collected. The receptacle in which the fund was collected bore, by the way, the words "Clever Mary" on its printed label. We wonder if that is her second name! The presentation took the form of a pair of very choice butter: dishes.

Miss Moynihan expressed her deep pleasure at, and appreciation of, the kindly thought indicated by the gifts. She carries with her the best wishes of all.

## Music.

Notes for Silver. Sixpence per Share.
Our Finance Committee, acting as Advisory

Board, spoke highly of this matter as a very "sound" investment.

The prospectus pointed out that, while you pay in silver, you receive in return notes as dividends at frequent intervals during the year.

Of course, the old "gramo" needs cranking up from time to time.

The machine has since arrived, and is in full swing; there is no stopping it. I am told it is likely to break all records.

## Maple Leaf.

When Miss Moynihan departed she left a blank space,
But Miss Cuthbert arrived to refill that place. Miss Cuthbert is a lady who teaches with ease Through experience gained from far overseas; And now she has gone, it is my firm belief She has gone to her land of the green maple leaf,
And when she arrives she may say with a yearn,
"I really enjoyed my stay at 'Swinburne." "

## A.B.

## At(Mosphere).

The Graphic and Applied Art Department (senior school) again made a very fine display of craft work and design at the recent Arts and Crafts Exhibition. We are glad that the boys have an opportunity of working in these surroundings.

## MOODY!

A certain bright boy in B7, who was asked by the teacher what were the different moods, announced that the first was the "Indignant" mood.

That there was some element of truth in his reply was surely exemplified by the immediate attitude of the teacher.

## THE CLUTCHING HAND. Our Landlord.

Our Tribe is not a bad sort of a man, He relieves us of all that he possibly can.

We come to School Monday,
Looking all spick and span,
When up comes our landlord and some caslt he demands
We try to avoid him, but do not succeed;
We moan and we wail,
But he does not take heed.
After all, it is all for the good of we boys,
When at the end $i$ the year we will eat to our joys.
PRESENT (AND FUTURE) SUFFERERS.

## A SIMPLE WIRELESS SET.

Signor Guglielmo Marconi, to whom the world owes practical wireless telegraphy, was born at Bologna, Italy, on April 25, 1874. When only 27 he first established wireless communication between England and Newfoundland. The letter "s"-dot, dot, dot-had now leapt across the Atlantic Ocean, when a few years before Marconi had not been able to make it jump across a table top. The first official message was sent by Marconi from the Canadian side to the King of England on December 22, 1902. The King, who was very interested in the young inventor, rendered him invaluable aid by granting him the loan of the Royal yacht, "Osborne."


If the aerial consists of a single-wire inverted "L" type (Fig. 2), it will prove very successful. Use 3-20 wire or single 18 -gauge for both aerial and lead-in; these are the best wires to use. Stretch your aerial between two chimneys or trees (unless you want the expense of buying masts), provided, of course, that the wire does not touch the roof or the limbs of trees, even on the most windy days. Take your lead-in from the end nearest your set, and from the highest point, if possible, making the lead-in as short as possible. Measure the lengths of the aerial and lead-in required, and then allow five or six yards extra, as you can always cut some off. But it looks very unsightly, and decreases the value
of your aerial, if you keep adding bits. Solder the lead-in on to the aerial wire to make a good connection, otherwise one has to keep cleaning the connection.

In insulating the aerial, place about three insulators at each end, placing them a foct apart. There is no necessity to buy fancy ones; so get penny ones-they are just as good. Tie them on as in Fig. 6. Use the wire left over from the coil for connecting up your instruments. Also insulate your lead-in, so that none of it touches walls, windows, trees, etc. Use very dry wood for all the woodwork, for if you use damp wood you will short the circuit, as damp makes an earth contact. A good plan is to use spirit varnish on all your woodwork and over your coil wire, as it keeps that in place when wound. (The varnish is made by allowing two parts of brown shellac to dissolve in one part of methylated spirits.)

As the aerial is a good lightning conductor -to your họuse-you use a "knife" switch (Fig. 5), so that when the set is not in use, lightning, etc., can go straight to earth. To make this switch, use three pieces of brass or
 or thereabouts; right angle the three little bits about half inch from one end. In one of them (B) bore a hole in the centre of the larger half, and bore a hole the same size at one end of $D$. This hole is for a rivet or nut and bolt to go through, so that the arm is kept pressed tightly against the upright, with only enough freedom for the arm to be swung round. Make this rivet of brass or copper. At the other end of the arm rivet or bolt on a handle of ebonite or dry wood. Place the uprights (AC) about $2 \frac{1}{2}$ in. away from the centre one ( $B$ ) and about 1-16in. in front of it; fasten all the pieces in this position on your base-board. Fasten the aerial wire to $B$, the earth wires to $A$, and the wire leading to the set to G.

For the condenser, which is of the fixed type, use two pieces of thin brass or tinfoib about lin. $x 2 \mathrm{in}$. and three pieces of thin ebonite or well-waxed paper about $1 \frac{1}{2} \mathrm{in}$. $x$ $2 \frac{1}{2} \mathrm{in}$. Fasten a wire to each of the brasses by soldering or bending one corner of the brass tightly over the wire, and then place the sheets down alternately, starting with the paper. A good plan is to make a paper box the same size as the paper sheets, and build it up in this, pouring wax over the lot to make it nice and firm.


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For the "earth," wind your earth-wire round a water pipe for about six turns and then solder for good contact. Don't put your "earth" on to a gas or electric pipe. If there is no water pipe, dig a hole about three feet deep and fill it with tins, wire netting, iron, etc., twining your earth-wire in and out of it and ramming the earth down tightly.

A detector consists of a wooden baseboard, rectangular in shape, and is shown in Fig. 4. A couple of brass screws, some spring, brass or steel wire and a brass cup are all that is required. The brass cup is screwed or fixed into the base-board by any means. At the other end of the board a terminal is put in and the spring wire connected into it, which comes over in a curve to the crystal (resting on it lightly). Make a small spiral at the end of the wire, leaving about a quarter of an inch on the crystal. The crystal is fixed into the cup by means of compressed tinfoil.

The set, taken all round, without the phones, costs 7/6; without aerial, 5/-. The sliding rod costs about 9 d , and the 3ozs. of wire for the tuning transformer costs about 1/6 (6d. oz.). A crystal runs into about 1/-, odds and ends about $1 /$-, and an aerial about $2 / 6$. 'Phones can be obtained at any large place for about 30/- (i.e., a fairly good headset). A single 'phone, 1000 ohms resistance, costs about 15/-. The better the 'phones, the better your results. A good pair of Brown's or Sterling's is worth about $£ 4$ to $£ 5$.

The coil or tuning transformer is well shown in Fig. 3. It is easily made with two wooden ends and a cardboard or wooden cylinder (cardboard preferred). The cylinder needs to be about 9 in . long and $2 \frac{1}{2} \mathrm{i}$. diameter. The wire to be used is 25 universal gauge and
black enamelled. It will be understood, by referring to Fig. 3, only the wire has to be wound tight up and closer together. The rod is affixed about half an inch above the coil, and a slider slides along it, making contact with the coil, which must be scraped to clean the enamel off the wire, to make a clean path of contact for the slider point. A slider can be made cheaply, but a spring one would cost about $2 /$-. The coil is a dead end, as shown in Fig. 1, and the connection goes into the coil and comes away from the slider rod.

This small set is shown more fully in the sketches, and I think the connecting up can be easily understood.

It is always best to be sure of good connections anywhere in the set. There is no special need to solder them, but, if you do, it makes the set more efficient. It is best to solder any joins in the aerial and lead-in, and use chemical solder, as it is much easier. Have a bit of emery cloth or glass paper and clean all the terminals and wiring, thus enabling you to make the set efficient. Always use brass or copper wire, as iron or steel has too great a resistance; also use brass or copper screws There is no need to buy proper terminals, as brass screws of any description will do when nicely cleaned. The set ought easily to get the concerts from Collins House, Melbourne, and ships, Flinders Island, and all Victorian stations; also perhaps Adelaide and Sydney (Morse), if you have a good head-set. It is a very cheap wireless for its results, and I have found it very efficient and can be very cheaply and easily improved either by putting in a losse couper or just a variable condenser and larger tuna, which will be mentioned in later issues.
L. HARVEY
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## OUR OLD BOYS.

The Old Boys' Association.
Some ti:ne ago an Old Boys' Association was formed, but after a few more or less successful meetings it was allowed to lapse, owing to the lack of support received. Apparently, the time was not ripe for its formation. Now, with a few hundreds of old boys, the Association is being revived, and an enthusiastic committee is making every effort to ensure its success. Already many old boys have become members, but the Hon. Secretary, Fred Smith, is anxious to have the name of every old boy on the membership roll.

The first meeting took the form of a social and dance in the Hawthorn Hall. Its success was a happy augury for the future of the Association. Many old boys and their friends attended, and all are anxious for the next meeting, when it is hoped that more of the old familiar faces would be seen.
H. Seidel deserves the thanks of the committee for generously giving the services of an orchestra which he has organised. The instruments were piano, two violins, and two mandolines. The musical items were very much appreciated.

We cong:atulate-
Lionel San Miguel (1914) and Hubert Waugh (1915-16) on obtaining the Diploma of Architecture of the Melbourne University.
Eric Hughes (1915-16) on securing second place in open competition for the war memorial of the Victorian Rowing Association. In their report on the designs submitted, the assessors stated that "there was a subtle excellence about the whole scheme that made its appeal."
Eric and Stewart Thomson (1916-17) have since gone to England to obtain further experience in their profession.
Allan Wood (1913-14) is now in South Africa, where te is acting as assistant engineer for the British Insulated and Helsby Cables Ltd., who are electrifying some railways in that country. Prior to his departure Allan was connected with the electrification of the Victorian railways, and had a good deal to do with the designing of the railway yards at Frankston.
Wilfred Pickford (191 ...) is now a member of the Hawthorn football team. He gives promise of becoming a champion in the near future.

Geoffrey Bottoms, who, in his capacity as scoutmaster of the 1st Moonee Ponds troop of Boy Scouts, has trained a bugle band so successfully that they won the "Herald" silver shield at the Ballarat South Street Competitions. The average age of the boys was 15 years. :nd when they began training they knew nothing of bugle playing. Four months later they were shield wimers. This speaks for itself.

During the past season W. Wiltshire has secured a formidable array of life-saving sertificates and medallions. They are the bronze medallion and proficiency certificate of the Royal Life-Saving Society and the bronze medallion, the junior and senior certificates of the Education Department. In his spare time he managed to win a few swimming races.

## WE WANT TO KNOW-

Did Mr. Beal take up shares in the company running a 10 -minute motor 'bus service between Ringwood and Warrandyte?

If Mr. Carlton took on the Blacksmithing Classes during the winter months only? Pretty hot!

Whether it is generally known that, in private life, Mr. Carmichael is ardently musical? And is this why he teaches sheet-metal?

Will Mr. McKay, as our leader in English, kindly explain to us the meaning of the somewhat mysterious expression, "Now then!" that we often hear in our homes?

Why Mr. Hoey always sets fire to small pieces of timber exactly one minute before "time"?

Did Geelong really win the football match against senior Swinburne's on the 8th June?

Why Mr. Cooke has a design class at all when the boys seems so successful in "shapefilling" at dunch hour?

Why Mr. Rofe is not afraid that the Magazine will go off at any time? And whether the danger is not enhanced by having a fire in the grate?

Is this why one of his fellow workers is always "white" when he hurries out of the second staff room?

Did Mr. Ubergang com"plane" to Mr. McNamara of the knotty problems they "saw" in their work?

And did Mr. McNamara show him a good "rule". to use in such cases-or "wood" it go against his "grain"?

Why Mr. Jones is not more careful of broken test tubes and other scientific apparatus? We have heard of several students who have got "cuts" from time to time.

Why Mr. Gray has gone "solid" on timber and stove enamel recently? And is he still adding to his permanent staff of messengers?

Why Mr. Vize worried about the clay "holdup"? Why did not he take advantage of a wet day, when he could have marched his class to the station and back-via the foot-way-and collected enough clay to carry on with? "Solefull" effects in art!

Why Mr. Boanas cannot be given a "free hand" to "plant" plane geometry anywhere else than in the class-room?

Is it true that Mr. McCay has been round the world (in newly decorated " 15 ") ?

Employer: Do you understand the duties of an office boy?
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Mr. McKay also generously contributed 13 novels, and we take this opportunity of expressing our gratitude for the contributions and our pleasure at the keen interest shown by these gentlemen.
We have a new book on wireless telephony, which will be greatly appreciated by the wireless maniacs. There are also books on inventions and how they work. There is a fine set of Waverley novels and the works of Charles Dickens, and books by Frank Shaw, Ellis, Strong, Jules Verne, T. B. Reid, Reed, Ballantyne, Gibson, Strang and other good authors.
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## SPORTING NOTES.

## Swimming Carnival.

We held our carnival this year at the Glenferrie Baths on Thursday, March 8, at 2.30 p.m. Among. the events were some well-contested races, Wiltshire being the most successful competitor.

Nothing of much event happened until the diving took place; then things became lively; the crowd were nearly convulsed when Grindrod performed a dive whose species is not yet known to us. Grindrod-who has several other fancy examples in hand for next yearwill surely be an inventor of aquatic sports one day (who knows).

But this was not a patch on the next dive, which was performed by the "baby elephant" of C7. He was very considerate, as he did not go to the end of the spring-board, thinking his weight too much for it. When he did dive he must have also thought (he will be hurting himself soon thinking so much) that the object of diving is to skim like a swallow, chest foremost.

Another youth, Smyth, came out in bathing togs, and was immediately christened the butcher, but as he did not slaughter anyone he was let off as being the saveloy merchant.
The carnival closed with the inter-form squadron race, which was won by B3.

The first two in each race were competitors for the Combined Technical Schools' carnival at Brunswick.

The results of our carnival were as fol-lows:-

50 yards, under 13.-Renshaw, 1; Herkes, 2.
50 yards, under 14.-Herkes, 1; Orrel, 2.
50 yards, under 15.-Wiltshire, 1; Herkes, 2.
50 yards, under 16.-Wiltshire, 1 .
100 yards, under 16.-Wiltshire, 1; Herkes, 2.
Junior dive.-Ragg, 1; Chesters, 2.
Squadron race.-B3, 1; A1, 2.
Special mention may be made of Wiltshire and Herkes, also of Ragg, who gave a good performance of diving.

> E.E.R.T. \& A.R.

## Cricket.

Swinburne v. Footscray.-This match was played at Footscray on Wednesday, March 14. Swinburne went in first, opening with North and Roff. The former soon went out, but Bunning, the next man, and Roff made a stand, till the latter fell for 14 . The wickets then went down rather cheaply, till Collins and Robinson made 27 in about ten minutes.

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hitting one six and two fours, Robinson being not out for a score of 12. This closed our innings for 78.

Footscrtay began to hit practically right away, passing our score when the fifth wicket was down. The match proved a victory for Footscray by 5 wickets and 5 runs.
E.E.R.T. \& A.R.

## Combined Swimming Sports.

The above-mentioned carnival was held at Brunswick Baths on Friday, March 23. The first heat started at 1.45 p.m., 45 minutes later than scheduled time. Herkes and Orrel were our representatives in the 50 yards under 14 race, and Herkes won his heat. Renshaw and Devoy were unsuccessful, but Wiltshire scored well.

When the finals were swum off we were glad to see Herkes and Wiltshire score again, the latter causing a very exciting finish. These two wins gave us 5 and 8 points respectively. Ragg, our diving representative, came fourth, giving us 2 points. In spite of our good show we only obtained third place, Brunswick being first and Footscray second.
E.E.R.T.

## TO-DAY'S TONIC TALK.

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[Ed. "S."]

## CORRESPONDENCE.

## Crime Wave and the Police Depatrment.

To the Editor of the "Swinburnian." Sir,-

Under the present antiquated system of non-registration of criminals, many of them manage to evade capture.

But what laurels the Police Department may claim in the case of technical offences! Here the department uses methods of the utmost simplicity. Every motorist is licensed. He has a number, which must be shown in a prominent place. His name and address is kept for reference in the Motors Registration Department, where a special staff is busily at work checking and recording.

In my last trip to the $U$ (be) Nighted States I became very interested in the excellent methods of keeping a check on the more unruly elements of the underworld. Over there they have a huge and well organised registration department, where licenses are issued annually to those who wish to undertake certain branches of crime.

Previously the police admitted that they could not catch the criminals, hence these experts did not in the least mind being licensed. Only when they did not follow the understood rules of the game, or acted unfairly, were they likely to get into trouble.

The advantage of such a system immediately became apparent. The police have no longer to go out on a cold, wintry beat in the middle of the night, but now occupy nice warmed rooms in the Registration Department.

One of the offences which were mentioned to me during my stay was "Burgling Without Lights." In one instance a gross fellow, blundering about in a respectable citizen's house without the necessary torch, stumbled over the hed, in which the citizen and his wife were sleeping. They were greatly alarmed, but, snapping on the electric light, they were enabled to see his licensed number on the tail of his coat as he made a hurried exit. He was very soon apprehended.
In another case, through being misinformed, a thief entered the wrong house where lived a maiden lady. She awoke, and was, naturally, terrified at the midnight visitor. He was so taken'aback when he saw her that he admitted he had intended burgling the house of Mrs. Del Ectessen opposite. Being a respectable criminal, he gave his number-but he was charged with "Burgling on the wrong side of
the road"-a very serious offnce, and was fined heavily.

One more incident I would like to record where the husband, on hearing a stranger moving around the room, lit up, and, jumping out of bed, made a dash at the fellow. Angered at the ridiculous interference, the thief hit the poor man violently on the head, leaving him, as his wife said, more silly than before. Though his license had expired, the police were able to trace him through his old number. He pleaded guilty to "Burgling to the danger of the public."

While he thought the offence was a serious one, the J.P.. pointed out that the fellow had some justification because of the stupid action on the part of the householder. Fined three dollars.

The above instances show how successful the new system worked. Might it not be adopted here, since it is only the more violent members of the public who wish to put a complete stop to burglars' activities. Such people are few and far between.

> Yours, etc.,

## G.R.

## ANSWERS TO CORRESPONDENTS.

Curious: Who wrote "The Village Blacksmith"? Since Mr. Carlton has admitted to us that he is not the author, we think it may have been Longfellow or Wordsworth.

Economy: We think Mr. Jones could give you a theory or perhaps formulate a law regarding economising in matches.

Reflections: "A sense of humour" often has drastic ends, especially in Room 8 from 12 to. 12.30.

Stormy: No. The authorities have not yet issued No. 20 "Safety First" bulletin. It will probably be concerned with keeping away from waving roofs in bad weather. By the way, the rumour that a certain roof was loosened from its foundations by the singing on Empire Day has not been traced to its source.

[^2]
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    "A.B." (B3): Not bad for a budding poet. But too exciting-it would unnerve us.
    "E.B." (B4): Such notices are not required $i_{17}$ this issue. Try something else.

