THE OPEN DOOR
THE Open Door
MAGAZINE OF THE SWINBURNE TECHNICAL COLLEGE 1954
## CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>GENERAL</td>
<td>5</td>
</tr>
<tr>
<td>SENIOR SCHOOL</td>
<td></td>
</tr>
<tr>
<td>SENIOR SPORTSMASTER'S REPORT</td>
<td>26</td>
</tr>
<tr>
<td>ENGINEERING SCHOOL</td>
<td>36</td>
</tr>
<tr>
<td>CHEMISTRY SCHOOL</td>
<td>46</td>
</tr>
<tr>
<td>ART SCHOOL</td>
<td>53</td>
</tr>
<tr>
<td>COMMERCE SCHOOL</td>
<td>60</td>
</tr>
<tr>
<td>GIRLS' JUNIOR SCHOOL</td>
<td>64</td>
</tr>
<tr>
<td>BOYS' JUNIOR SCHOOL</td>
<td>80</td>
</tr>
</tbody>
</table>

**Editorial Committee:**

- A. L. BARBER
- B. R. HAMES
- F. A. BUDGE
- A. H. JORDAN
- (Miss) W. L. COTES
- (Miss) L. E. LOBB
- W. FRICKER
- S. V. ROBERTSON
DIRECTOR'S REMARKS

It is nine-thirty in the evening, and classes are ceasing for today. The sound of running water accompanies a chorus of cheerful apprentice voices, as the lads remove from skilful hands the clean dirt of the machine shop. The evening school supervisor has said goodnight; fee-taking in the office has been abandoned; a caretaker is switching out lights; soon the College will be left to silence, and to me.

Please don't think I see school out each night; this is a special occasion, when I await the arrival, at Essendon, of a plane from my native New Zealand — a plane due half-an-hour past midnight. So I attempt to pass the waiting hours usefully by writing these notes.

Before me are reminders of the daily round. On the table is a high vase of variegated flowers, tastefully arranged by girls from the Junior School. If they knew how much I appreciated the fresh blossoms and the thought behind them, I feel those girls would be rewarded.

To my right hand lies a teacher's resignation. We shall be sorry to lose his services and his company. More than a generation of students has passed through his hands. On my desk, too, is our Diploma Night programme, with its long list of awards won by senior students. Any pleasure they felt that night was matched by that of members of the teaching staff who aided their successes.

And beside the programme is a summary of next year's enrolments. Off with the old — in with the new (or those we can admit, for in spite of additional schools in the outer suburbs, more students wish to come to this College than we are able to accept).

But those who come will enter renovated buildings, and the junior girls should revel in two big, bright, airy, prefabricated classrooms. There is no sign yet of progress with the proposed junior school for boys, although the Education Department has prepared a list of requirements. I should like to think something might eventuate before 1959, our Jubilee year.

5.
Meanwhile the site for this new school has been improved and put to use. Part has been planted in shrubs; part has been prepared for basket ball, while the rest is used by our boys for sport. Young people need space in which to romp, and attractive surroundings on which to glance occasionally as they rest their eyes from their books.

For, although economic necessity requires that young people be equipped to earn a living, they must incidentally but simultaneously be trained to enter adult society. Through sporting activities, social functions and student organisations they learn to co-operate; to give and take; and to mix with others of different views and interests; and, as prefects, form captains, students' representatives, captains of teams, they develop leadership; while in a variety of extra-curricular activities they find leisure time occupations to which they may continue to turn, even if in modified form, after leaving school.

But I ramble! I have failed to list staff changes. I have said little of building alterations; neither have I itemised equipment acquired during the year; nor have I counted examination successes. And I don't propose to here, as a more formal account will be found directly ahead. This magazine is a student publication. Read it, and learn something — just a little — of student interests and successes, both at work and at play. It is for the students that our College exists and works; by them we should be judged.

May we never be found wanting!
General

COLLEGE SURVEY

Introduction

This year some five hundred apprentices from the cabinet-making, carpentry and joinery, electrical mechanics, fitting and turning, and plumbing trades are attending day-time classes here. In the Diploma courses, which cover art, chemistry, commerce and civil, electrical, mechanical and production engineering, there are 230 full-time students. Thirteen of these, who hold technical student-ships, intend to enter the teaching profession on completion of their courses.

Outstanding Students

Most of our awards for this year were won in 1953. So it is pleasing here to record honours recently won by our ex-students.

In Commonwealth-wide competition Mr. R. H. Parry won the 1954 Shell Post-Graduate Scholarship, and, after marrying, left last month to undertake two years’ research at the London Imperial College of Science and Technology. Mr. Parry came to us in 1945 from Box Hill Junior Technical School, and after completing a diploma course in civil engineering he entered the Melbourne University to gain, in 1951, a civil engineering degree with first-class honours. Then followed two years’ research in soil mechanics and a thesis for his master’s degree in engineering science.

Two Oscar Weigel Scholarships, available for the completion of their degrees and for a further period of research to students qualified to enter the second or later year of an engineering course at the University of Melbourne, have been awarded this year. One went to Mr. L. N. Cunningham, who last year completed his electrical engineering course.

In 1953, when only one such Oscar Weigel scholarship was awarded, the recipient was Mr. N. Swansson, who completed his diploma course in 1952. Last year Mr. Swansson was placed first (equal) in the third year of the mechanical degree course, after obtaining first-class honours in the three honours subjects.

In March last Messrs. E. C. Brown and A. E. W. Foreman graduated in civil engineering. Mr. Foreman undertook the first two years of his diploma course at the Footscray Technical School.

Eight of our students who last year completed their engineering diploma courses have now been admitted to degree courses at the University, seven of them to the third year, the other to the second year of the course. Four of these students hold Dafydd Lewis scholarships; one holds both Dafydd Lewis and Oscar Weigel scholarships; three have been awarded both senior and Common-
The Open Door

wealth scholarships. We are happy to know, too, that Mr. A. Kepert, son of the Principal of Caulfield Technical College, after completing his diploma course in our chemistry school, has been granted both senior and Commonwealth scholarships for further study in science at the University.

Mr. David Nance, who in 1952 was the first student to receive the Swinburne Diploma of Art in Painting, was placed second in the Crouch competition conducted by the Council of the Ballarat Fine Art Gallery. Mr. Nance is now a teacher at Preston Technical School.

Two of our apprentice students of 1953 received from the hands of our Governor, Sir Dallas Brooks, awards as outstanding apprentices in Victoria. Mr. Keith McAlister, employed in the tool room of Jaques Brothers Ltd., Engineers, of Richmond, received the award in turning and fitting, while the award for electrical mechanics went to Mr. D. H. McKern, now in charge of electrical installations for the Norris Electric Co. Pty. Ltd.

The Federal Building Construction prize went to Mr. J. T. McKern, a brother of Mr. D. H. McKern.

Certificate and Diploma Awards

Although from the foregoing it is evident that a diploma course may be the preliminary to further highly successful study at the University, the completion of a diploma course is an end in itself. As Professor Moorhouse said in 1951, in his Valedictory Address at our Diploma Night: “It seems likely that the proper ratio of diploma holders to degree holders in this State should be about five to one.”

All our diplomas receive recognition from Industry, from the Education Department, and from the appropriate professional body. A diploma is awarded only after the successful completion of the prescribed school course, followed by a period of approved practical experience.

Possession of a certificate indicates a more restricted course of study with consequently more limited recognition.

However, fourteen certificates and fifty-eight diplomas have been awarded.

Prizes

Most of the prizes on the following list have been donated by industry. This is valued as recognition by industry of the importance of technical education in general, and of the work of this College in particular. It is an effort by industry to encourage craftsman­ship of a high order, and diligent study, in individual students. The donations have been acknowledged in the formal prize list, but I wish here to indicate our appreciation of the support of the individuals and firms concerned.

It will be noted that prizes have been awarded to both trade
APPRENTICES, 1954


APPRENTICES, 1954


Third Row.—L. Meagher, J. Knowles, P. H. Hills, W. D. Kerr.


Front Row.—K. Mason, W. Littlewood, J. Cresswell, B. Griffin, G. Cook, J. Kelly
Third Row.—P. Clark, C. Kuhle, G. Knox, B. Hill, P. Browne, W. Harvey, N. Anderson.

OUTSTANDING STUDENTS

R. H. PARRY, winner of 1954 Shell Post-Graduate Scholarship.

L. N. CUNNINGHAM, winner of Oscar Weigel Scholarship, 1954.

N. SWANSSON, winner of Oscar Weigel Scholarship, 1953.

D. NANCE, Prizewinner in Ballarat Fine Art Gallery's Crouch competition.
OUTSTANDING STUDENTS

K. McALISTER, winner of Victorian Apprentices' Award in Turning and Fitting, 1953.

D. H. McKERN, winner of Victorian Apprentices' Award in Electrical Installation, 1953.

and professional students; that there are awards for all-round excellence in each year, as well as for success in fundamental subjects; that proficiency in sport and outstanding service as a student have been rewarded.

The Functions of Senior Technical Education

The most obvious of these functions is to prepare young people for entry into industry, and in some cases to lay the foundation for further training at the University.

But a no less important function is training for adult life and future citizenship. In a college such as ours some factors aid in achieving this objective, while others have the reverse effect.

The intermingling of young men and women, and of students from dissimilar professions and trades, at assemblies, sport, and on social occasions, makes a useful contribution to social development. This is aided, too, by the availability over long hours of a good lending and reference library, containing other than technical books; by the provision of student common rooms; by the inclusion of student representatives in discussions on college administration and organisation; and the necessity for students to elect their own representatives and supervise their own organisations.

Another valuable contribution is made by the varied origin of our senior students. They have received their preliminary education in junior technical schools, high schools, and registered schools. They come, some from the city, some from the country, and some from overseas.

But all this is mitigated to some extent by the economic necessity to obtain a qualification in the shortest possible time; by the devotion of most of the day-time hours of the week to attendance at classes, making the diploma student at any rate tend to regard activities not specifically directed at passing exams, as so much time wasted.

Appreciation

The running of our College, at which in 1953 a total of 4,270 students were in attendance, is not possible without considerable assistance and co-operation, both from outside and within the College.

As with most long-established educational institutions, we have had, and still are having, considerable accommodation difficulties. These would be much worse, however, without the sympathy and material assistance we are receiving from officers of the Education Department and the Public Works Department. To them I wish to express our thanks and appreciation.

Then, too, members of our College Council give freely of their time and experience at council and committee meetings.
The Open Door

That we have an enthusiastic and able teaching staff is surely apparent from the records of our students. The teaching staff is well supported by the personnel of administrative, caretaking and maintenance departments, so that down the years considerable service has been rendered by the College to the community and to generations of students.

A. F. TYLEE.

ANNUAL DIPLOMA NIGHT

The formal conferring of Diplomas this year was held in the Hawthorn Town Hall, where Mr. R. G. Parsons, President of the College Council, made the main presentations, and the Honourable A. E. Shepherd, M.L.A., Minister of Education, delivered the valedictory address.

DIPLOMAS PRESENTED, 1954

*Indicates Ex-servicemen.

ART

<table>
<thead>
<tr>
<th>Name</th>
<th>Course Completed</th>
<th>Earlier School</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONE, Diana Beryl</td>
<td>Art of the Book</td>
<td>Fintona Girls' School</td>
</tr>
<tr>
<td>CUMMING, Barry George</td>
<td>Advertising Art</td>
<td>Swinburne Boys' J.S.</td>
</tr>
<tr>
<td>DUN, Hilda Margaret</td>
<td>Advertising Art</td>
<td>Tintern C.E.G.G.S.</td>
</tr>
<tr>
<td>JOLLIFFE, Anne Comrie Elizabeth</td>
<td>Art of the Book</td>
<td>St. Michael's C.E.G.G.S.</td>
</tr>
<tr>
<td>LISSENDEN, Anne</td>
<td>Art of the Book</td>
<td>Fintona Girls' School</td>
</tr>
<tr>
<td>MELDRUM, James Michael Painting</td>
<td>Box Hill Boys' J.T.S.</td>
<td></td>
</tr>
<tr>
<td>THOMPSON, Brenda May Painting</td>
<td>Firbank C.E.G.G.S.</td>
<td></td>
</tr>
</tbody>
</table>

APPLIED CHEMISTRY

<table>
<thead>
<tr>
<th>Name</th>
<th>Place of present Employment</th>
<th>Earlier School</th>
</tr>
</thead>
<tbody>
<tr>
<td>*COULSTON, Jack Stewart</td>
<td>Placed Supervisor, C'wealth Fertilizers &amp; Chemicals.</td>
<td>Coburg H.S.</td>
</tr>
<tr>
<td>*HUNNAM, Harold Clyde</td>
<td>Plant Supervisor, C'wealth Plant Supervisor, C'wealth</td>
<td>Collingwood T.S.</td>
</tr>
<tr>
<td>McLEOD, William Richard</td>
<td>Theological Student</td>
<td>Australian C.C.</td>
</tr>
<tr>
<td>*McNEILL, Robert</td>
<td>Theological Student</td>
<td>University H.S.</td>
</tr>
<tr>
<td>*NICHOLAS, James Albert</td>
<td>Technical Officer, C.S.I.R.O.</td>
<td>De La Salle College</td>
</tr>
<tr>
<td>*REES, Kevin Joseph</td>
<td>Group Laboratories (Aust.)</td>
<td>Pte. Ltd.</td>
</tr>
<tr>
<td>SHERRINGTON, Alistair Francis</td>
<td>Chemist, Federal Distilleries Pty. Ltd.</td>
<td>Brighton T.S.</td>
</tr>
<tr>
<td>*WAY, Henry George</td>
<td>Research Chemist, Aust. Paper Manufacturers</td>
<td>Corowa H.S.</td>
</tr>
<tr>
<td>*YOUNG, Warwick Dennis</td>
<td>Research Chemist, Aust.</td>
<td>Swinburne T.S.</td>
</tr>
</tbody>
</table>

18
# Engineering — Civil

<table>
<thead>
<tr>
<th>Name</th>
<th>Place of present Employment</th>
<th>Earlier School</th>
</tr>
</thead>
<tbody>
<tr>
<td>BARNARD, Graeme James</td>
<td>Eng. Draughtsman, Scott &amp; Furphy, Consulting Engineers.</td>
<td>Shepparton H.S.</td>
</tr>
<tr>
<td>BERKLEY, Charles William</td>
<td>Draughtsman, State Rivers &amp; Water Supply Comm.</td>
<td>Richmond J.T.S.</td>
</tr>
<tr>
<td>BRADSHAW, William Kenneth</td>
<td>Draughtsman, Scott &amp; Furphy, Consulting Engineers</td>
<td>Footscray T.S.</td>
</tr>
<tr>
<td>CARGILL, David Laurence</td>
<td>Cadet Eng., Standard Steel Co. Pty. Ltd.</td>
<td>Footscray T.S.</td>
</tr>
<tr>
<td>COLES, Robert Ernest</td>
<td>Engineer, Design &amp; Const. Dept., S.E.C.</td>
<td>Auburn South S.S.</td>
</tr>
<tr>
<td>FERGUSON, Archibald Henry</td>
<td></td>
<td>Footscray T.S.</td>
</tr>
<tr>
<td>HARRISS, Kevin John</td>
<td>Civil Eng., Comm. Dept. of Works</td>
<td>Caulfield Snr. T.S.</td>
</tr>
<tr>
<td>KEMP, Laurence Leslie</td>
<td>Draughtsman, Dept. of Defence Production</td>
<td>Footscray Snr. T.S.</td>
</tr>
<tr>
<td>LINDSAY, Donald Charles</td>
<td>Degree Course, University of Melbourne</td>
<td>Footscray T.S.</td>
</tr>
<tr>
<td>LINDSAY, Douglas Crawford</td>
<td>Draughtsman, Dept. of Civil Aviation</td>
<td>Footscray T.S.</td>
</tr>
<tr>
<td>LUDGE, Ernest William</td>
<td>School Teacher, Education Dept.</td>
<td>Footscray T.S.</td>
</tr>
<tr>
<td>NORTH, John Michael</td>
<td>Engineer, Snowy Mountain Hydro Electric Authority Overseas</td>
<td>Box Hill Jnr. T.S.</td>
</tr>
<tr>
<td>PRIEST, Geoffrey Hugh</td>
<td>Draughtsman, Town and Country Planning Board Eng. Assist., Box Hill City Council</td>
<td>Yallourn T.S.</td>
</tr>
<tr>
<td>SEWART, William</td>
<td>Eng. Assist., Box Hill City Council</td>
<td>Box Hill H.S.</td>
</tr>
</tbody>
</table>

# Engineering — Electrical

<table>
<thead>
<tr>
<th>Name</th>
<th>Place of present Employment</th>
<th>Earlier School</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRITCHLEY, Albert Edward</td>
<td></td>
<td>Box Hill Jnr. T.S.</td>
</tr>
<tr>
<td>*HAIG, Douglas Wolseley</td>
<td></td>
<td>Preston &amp; Collingwood T.S.</td>
</tr>
<tr>
<td>*JOHNSON, Edward James</td>
<td>Staff Eng., Humes Ltd. Prod. Eng., C'wealth Oil Refineries</td>
<td>Melbourne T.C.</td>
</tr>
<tr>
<td>KNIGHT, Desmond John</td>
<td></td>
<td>Swinburne Jr. T.S.</td>
</tr>
</tbody>
</table>
### The Open Door

**O'SULLIVAN, Brian Dineen**
- Name: O'SULLIVAN, Brian Dineen
- Present place of Employment: Tech. Assist., S.E.C.
- Earlier School: Swinburne Jr. T.S.

**REITHER, Graeme Morison**
- Name: REITHER, Graeme Morison
- Present place of Employment: Elec. Operator, S.E.C.
- Earlier School: Scotch Coll., Melb.

**ROBINSON, Alan Douglas**
- Name: *ROBINSON, Alan Douglas
- Present place of Employment: Draughtsman, Fertilisers & Chemicals Ltd.
- Earlier School: Swinburne T.C.

**WINTER, Joseph Ronald**
- Name: *WINTER, Joseph Ronald
- Present place of Employment: Eng., Caltex Oil (Aust.) P/L
- Earlier School: Richmond Jnr. T.S.

**WITHERS, Leonard**
- Name: WITHERS, Leonard
- Present place of Employment: Design Eng., Monsanto Chemical Co.

### Engineering — Mechanical

**BARNARD, David Alston**
- Name: BARNARD, David Alston
- Earlier School: Yallourn & Melb. Tech. Schools

**BONNEY, Brian Adye Ralph**
- Name: *BONNEY, Brian Adye Ralph
- Earlier School: Launceston G.S.

**EDWARDS, Alan William**
- Name: EDWARDS, Alan William
- Earlier School: Box Hill Jnr. T.S.

**HAIG, Douglas Wolseley**
- Name: *HAIG, Douglas Wolseley
- Present place of Employment: Dairy Farmer, own behalf
- Earlier School: Preston & Collingwood T.S.

**HOLBORN, Robert William**
- Name: HOLBORN, Robert William
- Present place of Employment: Tech. School Teacher, Education Dept.
- Earlier School: Box Hill Jnr. T.S.

**KNIGHT, Desmond John**
- Name: KNIGHT, Desmond John
- Present place of Employment: Commonwealth Oil Refineries Eng., Caltex Oil (Aust.) P/L.
- Earlier School: Caulfield T.S.

**LEES, Brian Malcolm**
- Name: LEES, Brian Malcolm
- Earlier School: Swinburne T.S.

**MERANGE, Leon Frank**
- Name: MERANGE, Leon Frank
- Present place of Employment: Aust. Iron & Steel Ltd., Port Kembla
- Earlier School: Swinburne Jr. T.S.

**McNALLY, Ian Edward**
- Name: McNALLY, Ian Edward
- Earlier School: Swinburne Jr. T.S.

**ROBINSON, Alan Douglas**
- Name: *ROBINSON, Alan Douglas
- Present place of Employment: Draughtsman, C’wealth Fertilisers & Chemicals Ltd.
- Earlier School: Scotch Coll., Melb.

**SWINTON, Anthony David**
- Name: SWINTON, Anthony David
- Earlier School: Warrnambool J.T.S.

**TILLOTSON, George Foster**
- Name: *TILLOTSON, George Foster
- Present place of Employment: Sales Manager, Coates & Co.
- Earlier School: Swinburne Jr. T.S.

**TROYAHN, Leslie Gordon**
- Name: TROYAHN, Leslie Gordon
- Earlier School: Melb. Boys’ H.S.

**VANCE, Douglas John Bruce**
- Name: VANCE, Douglas John Bruce
- Present place of Employment: Eng. Mechanical Service Co.
- Earlier School: Box Hill Jnr. T.S.

### CERTIFICATES

#### ART

<table>
<thead>
<tr>
<th>Name</th>
<th>Earlier School</th>
</tr>
</thead>
<tbody>
<tr>
<td>BELL, Valdae Noeline Catherine</td>
<td>St. Michael’s C.E.G.G.S.</td>
</tr>
<tr>
<td>CHIPPINDALL, Maurice</td>
<td>Box Hill Boys’ T.S.</td>
</tr>
<tr>
<td>DALEY, Mary Evely</td>
<td>St. Michael’s C.E.G.G.S.</td>
</tr>
<tr>
<td>HARVIE, Helen Musgrave D’arcy</td>
<td>Tintern C.E.G.G.S.</td>
</tr>
<tr>
<td>McQUILLAN, Phillipa Maire</td>
<td>Tintern C.E.G.G.S.</td>
</tr>
<tr>
<td>SCHMIDT, Lois Edith</td>
<td>Methodist Ladies’ College</td>
</tr>
<tr>
<td>SIMPSON, Kenneth Walter</td>
<td>Scotch College</td>
</tr>
<tr>
<td>WALTERS, Sheila Jean</td>
<td>Camberwell C.E.G.G.S.</td>
</tr>
</tbody>
</table>
General

APPLIED CHEMISTRY

Name                      Present place of Employment       Earlier School
COATES, Francis Ian       Testing Branch, Melb. and Met. Tramways Board

Engineering — Electrical
*MARTIN, Robert James     Works Manager, Gardner & Naylor, Hawthorn

Engineering — Mechanical
Name                     Present place of Employment
JENKINS, George William  Earlier School Richmond T.S.
MULLEN, George Edward    Draughtsman, Moulded Products Ltd.
*STILL, George Andrew    Act. Asst. Eng., Victorian Railways
WHITE, Ronald George     Sec. Draughtsman, Dept. Defence Production

SPORTS PRIZES

<table>
<thead>
<tr>
<th>Award</th>
<th>Presented by</th>
<th>Won By</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseball</td>
<td>College Council</td>
<td>KING, Phillip Henry</td>
</tr>
<tr>
<td>Cricket</td>
<td>College Council</td>
<td>PHILPOTT, Edward Leslie</td>
</tr>
<tr>
<td>Football</td>
<td>College Council</td>
<td>UREN, John Henry</td>
</tr>
<tr>
<td>Swimming</td>
<td>College Council</td>
<td>HAYES, Geoffrey Merton</td>
</tr>
<tr>
<td>Tennis</td>
<td>College Council</td>
<td>COLLINSON, Barry Michael</td>
</tr>
</tbody>
</table>

DIPLOMA SCHOOL

Art

<table>
<thead>
<tr>
<th>Year</th>
<th>Presented by</th>
<th>Prize Winner</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>Mr. J. R. Wilson</td>
<td>DOWSING, Patricia</td>
</tr>
<tr>
<td>2nd</td>
<td>National Press Pty. Ltd.</td>
<td>DALEY, Mary Evelyn</td>
</tr>
<tr>
<td>3rd</td>
<td>Mr. J. R. Wilson</td>
<td>TAMLYN, Wendy Elizabeth</td>
</tr>
<tr>
<td>4th</td>
<td>National Press Pty. Ltd.</td>
<td>JOLLIFFE, Anne Comrie</td>
</tr>
</tbody>
</table>

Chemistry

<table>
<thead>
<tr>
<th>Year</th>
<th>Presented by</th>
<th>Prize Winner</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>Fowlers Vacola Mfg. Co.</td>
<td>LEARY, Bruce</td>
</tr>
<tr>
<td>2nd</td>
<td>H. B. Selby &amp; Co. Pty. Ltd.</td>
<td>ANDREOLA, Mario</td>
</tr>
<tr>
<td>3rd</td>
<td>Townsend &amp; Mercer Pty. Ltd.</td>
<td>GIBSON, Ian Hampson</td>
</tr>
<tr>
<td>4th</td>
<td>H. B. Selby &amp; Co. Pty. Ltd.</td>
<td>MARLO-MONTEN, Jorma Wm.</td>
</tr>
</tbody>
</table>

Civil Engineering

<table>
<thead>
<tr>
<th>Year</th>
<th>Presented by</th>
<th>Prize Winner</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>General Motors-Holden’s Ltd.</td>
<td>FOX, Bruce Malcolm</td>
</tr>
<tr>
<td>2nd</td>
<td>Malcolm Moore Industries Ltd.</td>
<td>BARRY, Edward Bruce</td>
</tr>
<tr>
<td>3rd</td>
<td>Malcolm Moore Industries Ltd.</td>
<td>KEMP, Brian Trevor</td>
</tr>
<tr>
<td>4th</td>
<td>Malcolm Moore Industries Ltd.</td>
<td>BEATTIE, Howard Brian</td>
</tr>
</tbody>
</table>

Commercial

<table>
<thead>
<tr>
<th>Year</th>
<th>Presented by</th>
<th>Prize Winner</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>Commonwealth Floor Pty. Ltd.</td>
<td>LOWRY, Denise Patricia</td>
</tr>
</tbody>
</table>

21
The Open Door

Electrical Engineering
1st Year  H. Rowe & Co. Pty. Ltd.
2nd Year  Ring-Grip Electrical Accessories
3rd Year  H. Rowe & Co. Pty. Ltd.
4th Year  Ring-Grip Electrical Accessories

Mechanical Engineering
1st Year  General Motors-Holden's Ltd.
2nd Year  Humes Ltd.
3rd Year  Humes Ltd.
4th Year  Marfleet & Weight Pty. Ltd.

SPECIAL PRIZES
Civil Engineering
Institute of Engineers (Aust.)

English
Fowlers Vacola Mfg. Co.

Engineering Drawing
Marfleet & Weights Pty. Ltd.

Mathematics
Noyes Bros.

Physics
Noyes Bros.

Machine Shop Practice
1st Place  McPherson's Ltd.
2nd Place  McPherson's Ltd.

Outstanding Service as a Student
Commonwealth Floor Pty. Ltd.

Reserve Prize
College Council

TRADE SCHOOL
Cabinet Making
1st Year  Thos. C. Brown & Co. Pty. Ltd.
2nd Year  Roch's Furniture Galleries
3rd Year  D. & J. Evans Pty. Ltd.

Carpentry and Joinery
1st Year  Titan Manufacturing Co.
2nd Year  W. O. Longmuir & Sons
3rd Year  D. R. Swan
4th Year  D. & J. Evans & Son

Best over 4-year Course
College Council

Electrical Mechanics
1st Year  W. Morrison & Co. & Harry Tijou
2nd Year  Turner Mfg. & Co. Ltd.
3rd Year  Thos. C. Brown & Co. & C. E. Cornish & E. A. Quinton
5th Year &

Engineering Machine Shop
1st Year  Wilson Bros. Pty. Ltd.

JACKSON, Lindsay Norman
DOWER, Geoffrey Thomas
CLEARY, William Francis
CUDDINGTON, Lindsay Norman

JAMES, Noel Clifford
KING, Phillip Henry
ROSS, William Owens
LEES, Brian Malcolm

LEES, Thomas Frank
CUNNINGHAM, Lindsay Norman
CUNNINGHAM, Lindsay Norman
RUSSEL, Jeff Hamish
DOWSLEY, John
ROSS, William Owens
HAYES, Geoffrey Merton
BOYD, Geoffrey Hugh

HANSEN, Geoffrey Charles
WHITEOAK, Graham Bruce
VARTY, Donald Edward
YOUNG, Terence Ross
WOOLLEY, John Leonard
BOOTS, Cornelis
BIGNELL, David Ralph
BAIL, Alan Lewis

DOWN, Peter Richard
EKINS, Ian Herbert
McGOWN, Ian Maxwell
FOARD, Graham Frederick

McKERN, Douglas Harold
(State Award Winner)

deLACY, Brian
2nd Year  Wing Gauge & Instrument Co.  Todd, Graham George
3rd Year  T. Main & Sons Pty. Ltd.,  Wilson, David
          Vickers Ruwolt Pty. Ltd.
4th Year  Jacques Bros. Ltd.,  McGown, Robert
          Angus G. Reid
Best over 4-  General Motors-Holden's Ltd.
           year Course
Oxy-Welding  C.I.G. (Victoria) Pty. Ltd.  Curnow, Kenneth Leslie
Plumbing  Gardner & Naylor Pty. Ltd.  Lyons, Raymond John
1st Year  John McLlwrath Industries Ltd.  Yates, John Edward
3rd Year  John McLlwrath Industries Ltd.  Carey, John
Best over 3-  College Council  Steiner, Graham Frederick
           year Course
Scholarship
Art  Old Swinburnians' Association  Meldrum, John Michael
Chemistry  Old Swinburnians' Association  Young, Warwick Dennis
Engineering  Old Swinburnians' Association  Edwards, Alan William
Athletics
Engineering  Old Swinburnians' Association  Hayes, Geoffrey Merton
SENIOR STUDENTS REPRESENTATIVE COUNCIL

The S.R.C. has succeeded this year in overcoming some of the lack of interest of the preceding year, and has, so far, held three most successful dances and a day trip to the snow. The members of the Council wish to take this opportunity to thank all those who have supported them in their endeavour to give the students of the respective Schools a chance to meet under social conditions.

The nucleus of the Council, comprising the present 1st, 2nd and 3rd year group representatives, hopes next year to be able to give much more in the way of service to the students of the College, and, by educating the incoming students of 1955 to the idea of the Student body, develop the idea still further.

The college students have this year been able to attend some most interesting lunch-hour talks, which came into being per media of student suggestions to Mr. Tylee.

At this opportunity the Council would like to thank Mr. Tylee and Mr. Robertson, both of whom have been more than co-operative to the Student body, and have demonstrated that they have the welfare of the students at heart.

The present Council has approved one of its members attending the inaugural meeting of the proposed Victorian Senior Technical Schools Students' Association, and fully supports the idea of a combined body acting to improve Senior Tech. School Students' conditions and arranging inter-school social events.

The Council needs the support of "all" our students, and it will accomplish much, provided the necessary suggestions are forthcoming from students upon which the S.R.C. can act.


JUNIOR SCHOOL PARENTS-TEACHERS' ASSOCIATION

The Parent-Teachers' Association was formed in 1953 at an enthusiastic gathering. A provisional committee was appointed, and acted until the first Annual Meeting, held Tuesday, February 15th, 1954. The Committee elected at the February meeting consisted of Mesdames Hardman, Gill, Bartlett, James, Dunlevie, Oke and Smith, Misses Thomsen, Cotes and Lynch, Messrs. King, Tabart, Tidd, May, Williams, Cavill, and Ingram, with the Director of Swinburne as an ex-officio member. The following have since been co-opted, Messrs. Markby, Kinns, Purdie and Cohen.
The objects for which the Association is established are:—

(a) To interest parents and guardians in education and to link more closely the school and the home.

(b) To interest parents and guardians in the activities of this College including suitable social functions, to be held from time to time.

(c) To obtain the co-operation of parents and guardians with the school staff in particular avenues of welfare work for students agreed to by the Director of the College.

(d) To obtain the active assistance of parents and guardians in raising of funds for school objectives approved by the College Council, and in particular to manage and conduct any school adjunct of which the said Council may approve.

The Association is of a non-political and non-sectarian character.

Membership is open to all parents or guardians of present or past full day students of The Swinburne Technical College Junior Girls’ and Boys’ School and to any present or past member of the College Council, or College Teaching Staff.
1954 will be a memorable year in Swinburne sporting history. In competitions between the six largest senior technical schools in the State, Swinburne won three premierships from the five competitions conducted.

In cricket, the team captained by Maurice Wills soundly defeated each of its opponents in succession, thus setting up a sequence of two premierships without a single defeat. As the team is largely composed of first and second year students, I am hopeful that this record will be further improved. Batting honours went to Ted Philpott, while Bob Darby was the outstanding bowler.

The swimming carnival was a triumph for Captain Geoff Hayes. His team finished third in the competition, but with three wins and a second from four events, he was easily the outstanding swimmer at the meeting. He was an inspiration to his team both in and out of the water.

The combined athletic meeting was unfortunately abandoned owing to steady rain throughout the appointed day. Swinburne had a very strong team selected, and may even have added a fourth premiership to their record. Later in the year a team of four from Swinburne won the Senior Cross-Country championship in a competition open to all schools in the State. Ken Wright was the star, finishing a close second in a field of nearly one hundred.

The football team started the season very well, by defeating Ballarat at Ballarat, the first time this has occurred since I have been at the College. Injuries weakened the team however, and they were defeated narrowly in the next three games. Final figures show two wins and three losses, a creditable record.

The tennis team led by Ron Nickel continued its victorious march from 1953. It was never extended and won comfortably every match, social and competitive, throughout the year. Like the
cricket team, the tennis team has now two consecutive premierships without a defeat. Can next year’s team carry on that record?

The baseball team gave the school its most exciting victory of the year. After playing a tie with Ballarat in the opening game, the team went on to defeat each of the other colleges very convincingly. As Ballarat was doing the same, a very exciting battle of percentages developed. Swinburne, thanks to a brilliant 16-0 win in the final game, won the race, but as a percentage victory was unsatisfactory to both sides, a grand final was arranged and played to the largest crowd of spectators assembled at a school game in my memory of Swinburne.

In a grand game, much closer than the scores may indicate, Swinburne ran out winners 6-0. Captain Phillip King was the star of the game, and most consistent player throughout the season. Thus ended a very fine sporting year.

My thanks as sportsmaster are extended to those, who, weak in numbers, but very strong in school spirit and sporting ability, carried the Swinburne banner so triumphantly throughout the year.

K. LOVITT.

FOOTBALL

Swinburne seniors have never really excelled at Australia’s National game, Australian Rules Football. This year, however, the team achieved a fair degree of success. Its great success was in the game played against Ballarat. It was Ballarat’s first defeat, at Ballarat, by Swinburne, for as many years as anyone cared to remember.

The year began by Swinburne playing some of their worst football on record, and it appeared as though the team was in for a lean year. The first game against Toorak Teachers’ College was one in which Swinburne received a thrashing. As the social games progressed Swinburne improved. Practice games played against University High and Footscray Tech. showed that some of Swinburne’s weaknesses had been overcome. The tide turned for Swinburne when it defeated Brighton Grammar. This success was followed by more. The test came for Swinburne when they played Ballarat in the first competition game.

No matter who wins or loses, this trip is awaited by all. On the way to Ballarat, the bus stopped at the Bacchus Marsh open cut coal mine and the chaps were able to inspect it. The team was replenished with food at the Y.M.C.A. by the Ballarat School of Mines. Some chaps wished it had been at the Y.W.C.A. All enjoyed the meal, and the Swinburne football team took the field full of confidence. The team began well and appeared to have Ballarat’s measure. The last quarter produced excellent football, with Ballarat battling to pass Swinburne, but Swinburne held fast. However,
Ballarat played a jolly good game. The students returned to Melbourne jubilant.

Unfortunately, Swinburne seemed to have reached a peak of success, for the next game, played against Melbourne at Glenferrie, resulted in defeat. This was a great disappointment to the team and those who followed their players. The next game was played at Footscray. This game again resulted in defeat. Swinburne tried hard, but could not produce the brand of football which won them the game at Ballarat. Had Footscray been more accurate in kicking for goals their margin would have been considerably greater.

The Geelong game showed Swinburne could still play football, and good football. This was perhaps one of the best games played by Swinburne for years. Swinburne lost but they lost with honour. The standard of football was very high throughout and had Swinburne been more accurate in front of goal, the score could have been very different. Geelong considered Swinburne was the best side it had met. In the third quarter Swinburne out-played Geelong, and should have kicked many more goals. Caulfield, hearing of the play of Swinburne, decided it was useless to play them and declined their match with Swinburne.

Swinburne had their fortunes and misfortunes but realised the game was more important than the number of wins. The team possessed a most enthusiastic and capable captain in the person of Geoff Hayes.

Quite a number of players gave outstanding service. A few of these are: J. Helmer, T. Philpot, J. Wren, C. Crawford, K. Hand, N. McDonald and W. Corcoran.

Congratulations go to John Wren, who won the football award for 1954. He beat the best of players. The thanks of the team go to Mr. Lovitt and Mr. Burr for their work and interest in the team. Thanks go also for the assistance to the team in the form of boundary and goal umpires, E. Oats and M. Bellair. Competition results:

Swinburne, 8-9 — Ballarat, 7-5.
Melbourne, 10-6 — Swinburne, 6-5.
Footscray, 12.20 — Swinburne, 6.6.
Geelong, 8.9 — Swinburne, 4.7.

BILL ROSS.

TENNIS

ANOTHER PREMIERSHIP TO SWINBURNE

Once again Swinburne has lived up to its reputation of possessing a strong tennis team by finishing this year’s matches undefeated.

We were very fortunate to find among our newcomers two stars in Peter Esperson and Brian O’Neill. Both had very outstanding performances for the year. Peter usually won his singles 6-0, but Brian finished with least number of games scored against him.
The Open Door

These two players fitted neatly into a very even team, the doubles combination being B. Collinson-N. Mahony, R. Nickels-B. O’Neill, and P. Esperson-J. Herring.

We played three practice matches, these being against Toorak Teachers’ College, Footscray and Caulfield Technical Schools, and with the team in top gear we journeyed to Ballarat for the first competitive match. Swinburne won 15 sets, 90 games, to 0 sets, 2 games.

Matches against Melbourne and Footscray resulted in 11-4 and 15-0 sets wins respectively.

Then came Geelong — the great test. We passed it successfully, winning 10 sets to 5. Geelong were slow finding touch, enabling Swinburne to take an early lead which it was able to hold.

The Caulfield match, not as tense as the last, resulted in a 12 sets to 3 win, leaving Swinburne unbeaten premiers for 1954.

Congratulations to Barry Collinson for winning the tennis award for us this year. Barry has played No. 1 for us this year and thoroughly deserves the award.

We once again thank Mr. Lovitt for the help he has given the team for 1954.

RON NICKELS (Captain).

BASEBALL

The baseball team won the premiership this year for the first time. The outlook at the start of the season was anything but bright, as we had lost all but three of last year’s side. We were, however, able to fill the vacant positions very capably, and in my opinion the side that played the grand final for Swinburne was the best baseball side the school has seen for some considerable time.

We played our first game at Ballarat against last year’s premier side, and although this was the first game of baseball four of our players had played in their lives, we held Ballarat to a draw. I think I should have said that Ballarat held us to a draw, because the honours of that game were definitely our way. The team gradually improved, and we followed the trip to Ballarat with wins over Melbourne, Footscray, Geelong and Caulfield. The respective scores are given below for each match. We finished the season level in points with Ballarat, but with a 300% better percentage. We decided to stake our premiership (we had won the pennant on percentages in accordance with the rules of the association) in a Grand Final match against Ballarat. We convincingly defeated Ballarat this time, leaving no doubt in anyone’s mind as to which was the superior team.
The team is to be congratulated, I think, for the string of fine performances they put up. The victories were not due to any individual effort, but the result of the splendid team work and spirit that prevailed throughout the season.

It takes nine men playing together to win a baseball premiership, and that is what we had.

In conclusion, I would like personally to thank all members of the side for the wholehearted support I received throughout the season. It was a privilege to captain such a side. I would also like to thank Mr. Lovitt for the never-ending help and enthusiasm he gave the team throughout the season.

P. N. KING (Capt.).

RESULTS

Swinburne v. Ballarat, 2-2; Swinburne v. Melbourne, 9-0; Swinburne v. Footscray, 5-2; Swinburne v. Geelong, 27-4; Swinburne v. Caulfield, 15-0; Swinburne v. Ballarat, 6-0.

SWIMMING

The annual senior Technical Swimming Sports were held at the Brunswick pool on March 10th. The contest resulted in a convincing win for Melbourne, with Geelong in second place, and Swinburne third.

Whilst not reflecting on the merit of Melbourne’s win in any way, it was most evident once again that Swinburne’s trouble was not the quality of their swimmers competing but the numbers. Age groups of four and five events were carried by two or three swimmers, and the burden was too much against the freshly represented opposition put up by Melbourne and Geelong, as each event permits two starters per school. This was particularly noticeable in the open events where our captain (Geoff Hayes) put forth magnificent efforts in taking first place in three separate events, with second in the diving, and greatly helped the relay team to run into fourth position.

The very strong team from Melbourne never looked like being beaten and they deserve hearty congratulations for their fine swimming. Second place was hotly contested between Geelong and Swinburne. Both teams battled strongly all through the programme and the final placing was decided in relay events.

The points before the relays were: Geelong, 42; Swinburne, 39. Geelong had the stronger teams in the under 19 and the open relay events, and this alone won for them the second placing. The under 17 relay event was a triumph for Swinburne. A splendid effort
Senior School

SENIOR ATHLETIC TEAM

SENIOR BASEBALL TEAM

33
resulted in a new record being established. The existing record being broken by 4.3 seconds — truly a grand effort.

The only Swinburnian other than Geoff Hayes to win an event outright was first year student Ron Griffith, who won a very good double, being victorious in both the under 17 backstroke and breaststroke events.

Another first year lad in John Rennie is not to be forgotten either, as he obtained two seconds and a third place. Final points were: Melbourne, 91; Geelong, 56; Swinburne, 49; Caulfield, 26, and Footscray, 16.

Unfortunately Mr. Lovitt was unable to be present all the time, but the services of Mr. Burr were enlisted to take over for him. Geoff Hayes was a pillar of strength to the team, and whilst not swimming he was doing his utmost to encourage and inspire the rest of the team.

Those members of the team who have not received a mention are to be congratulated on their team spirit and enthusiasm. Remember there is always next year, when we hope to have some encouragement from a team of enthusiastic barrackers, who were notable for their absence on this occasion. Here’s hoping!

R. A. BOYD.

CRICKET

Swinburne had a “bumper” cricket season, winning all their matches very comfortably. The closest game was when they defeated Melbourne by 43 runs, an hour only being allowed for each team on this occasion.

The first match was played against Caulfield. Swinburne won the toss and Caulfield were sent in to bat. They were quickly bundled out for 65 runs, because of the fine bowling of Darby who captured 5 for 9 from 6 overs. Swinburne then batted and, with openers Phillpot and Uren in great form, passed the Caulfield total without loss. However, when the openers retired 5 wickets were lost and Swinburne finished up 5 for 151. The batting honours went to Phillpot, 49 n.o.; Uren, 24 n.o.; Evans, 17 and Rochfort, 11.

Next match was against Melbourne, and because of some misunderstanding each team was to bat for only one hour. Melbourne won the toss and Swinburne were sent in to bat. Phillpot and Uren opened the innings and after a steady start proceeded to thrash the bowling unmercifully, their partnership of 83 coming up in 42 minutes. Swinburne’s innings finished at 4 for 126 (in 60 minutes), the batting honours going to Phillpot, 65; Uren, 32; Hands, 13 n.o. Melbourne then batted, and because of a hostile opening attack by our two fast bowlers, Bastin and Darby, got off to a slow start, thus
making their task of overtaking our score very slight by the time the slow bowlers were brought into action. At the end of their time they had scored 83 runs for the loss of 5 wickets. The bowling honours went to Darby who took 4 for 9.

The match against Footscray was then the deciding match for the premiership. Swinburne lost the toss and were sent in to bat, the batting time allowed being 90 minutes. Swinburne at the end of their time, with the help of some very adventurous batting, had scored 160 runs for the loss of 7 wickets. The batting honours went to Jackson, 42; Phillpot, 36; Evans, 35, and Helmer, 25 n.o. Footscray batted and were quickly bundled out for 42 runs, the bowling honours going to Helmer, 3 for 2; Uren, 1 for 0, and Darby, 5 for 13.

The team, as well as being strong in batting and bowling, was outstanding in its fielding, this playing a major part on behalf of the bowlers and keeping the opposing scores to a minimum.

Congratulations to all who played for Swinburne in winning the premiership, and also for the outstanding personal conduct shown by all members of the team. Thanks also go to Mr. Lovitt for his many words of wisdom and encouragement, also for umpiring our games. Swinburne has now won two consecutive premierships and were undefeated in 1953 and 1954.

M. E. WILLS.
SPEARFISHING

Historical

Spearfishing is not, as many people think, a new sport. It was practised in the Polynesian Islands many centuries ago, but it never became popular in the so-called Western countries until the mid-1920's, when a number of Frenchmen and Italians became very interested in this type of sport. A notable Frenchman was Jacques Cousteau, who experimented with various breathing equipment and eventually constructed what is now known as the "Aqualung." The earliest spearfisherman of note was Hans Hass, who recently appeared in the movie film "Under the Red Sea," an excellent pictorial demonstration of the art.

Equipment

The equipment necessary is not very large and is reasonably inexpensive. It consists of a glass fronted mask which covers the eyes, a tube for breathing (called the Snorkel) which fits in the mouth, a pair of flippers for the feet, and, of course, the spear or spear gun.

The mask is made of rubber and has a large glass front. There are really only two types of mask, one that covers the eyes and nose and the other that covers only the eyes. The Snorkel is a piece of tubing with a pair of lugs which are gripped by the teeth. The tube bends around from the mouth and passes behind the ears and underneath the mask strap, and when one is lying face downwards in the water the end of the tube is in the air above the surface of the water.

The aqualung is a piece of breathing equipment which consists of a compressed air vessel with a valve to regulate the air flow. A tube passes from the valve to the mouth and the method of breathing is the same as that of breathing with a snorkel. The aqualung, which is a fairly recent piece of equipment, is very expensive and is only used for deep sea fishing. It can be used down to
300 feet below the surface, whereas with the Snorkel the depth is dependent on the ability of the user, with a probable maximum of 40 ft.

The flippers for the feet are the ordinary ones, obtainable in all sports stores. They are sold with fixed straps in various sizes or with an adjustable strap which allows the user to wear sand shoes as well as the flippers, and this added protection to the feet is very necessary when exploring underwater in rough and rocky seabeds. It is also possible to buy flippers which are really a rubber slipper with the fin attached.

There are quite a few types of spear gun, the two basic types being those that are spring operated and those that are rubber operated. The spring gun propels the spear by means of a compressed spring. The rubber gun is like a "shanghai" or catapult and operates on the same principle.

It is possible to make a water tight box for a camera and use it to take photos under water. This, to me, seems to be the ideal method of hunting under water, but there are probably some who will disagree.

The Sport

It is rather difficult to describe the true nature of spear-fishing to anyone who has not actually experienced it.

The name is rather a misnomer as most "Spearfishermen" are really underwater explorers. They are comparable to the big game hunters in Africa, and travel through places and see sights not often available to the average person whilst they are seeking some particular species of animal (or fish) as the case may be.

When in the water the body is supported by its natural buoyancy and it is free to move in any direction. Ordinary spearfishing is done with just the mask, Snorkel and flippers and perhaps a gun or camera. However, some exponents of the art wear a lead belt to partly counteract their natural buoyancy, but in my opinion this is not really necessary. Those who use the lead belt claim that it is easier to dive to the bottom, but I like to think of that old nursery phrase, "What goes down shall come up."

Another objection is that the lead belt tends to drag the body under water and one is continually compelled to swim upwards to stay on the surface.

Most spearfishing is done around places where there are reefs of rock and in which small bays are formed such as Mt. Martha and Tidal River. It is a strange experience to make one's first attempt at spear-fishing, as one feels uncomfortable and perhaps a little foolish with all the gear on. The object is to proceed into water with sufficient depth to allow swimming, with the least possible injury to the feet and legs, from projecting sharp rocks and tangled seaweed.

The seaweed which seems dull and uninteresting when viewed
from the surface appears vastly different when viewed through the
mask, and one feels that a magic garden has been revealed as the
colours and blends are really beautiful. This also applies to the
drab, dark looking rocks, which change as if by magic when the
face is below water level and viewing the scene from a different
angle. Places that appear dark from the shore are not really dark,
as the sea diffuses the light and the colours and textures of the vista
unfolded are really remarkable. Once one has become accustomed
to the method of breathing and swimming it is time to take a gun
and try one's hand at the rather difficult feat of spearing a fish. A
knowledge of the various fish habits is very helpful and this comes
only with experience. A beginner making his first attempt at
spearing a fish is not usually concerned as to what type it is. In areas
where fish have not been hunted much with a spear it is often pos­
sible to get very close to them and so spear easily. In spearing fish,
as in all hunting, it is best to get as close as possible to the prey
before shooting. This entails, in most cases, careful stalking on the
part of the hunter. This stalking involves several points to watch; one in particular is the swell and current of the water. It is most
annoying to be sighting a fish and to be washed backward and for­
ward (sometimes up and down), as the prey may be scared away
by the movements, or it may be impossible to aim whilst such
motions are going on.

Another important feature to watch is that a fish's eyes do not
sight as human eyes do. It is possible to approach a fish from
above and behind whilst its eyes appear to be focussed on the hunter
without having seen him.

The method used in ordinary spear-fishing is to lie face down
in the water, while breathing through the Snorkel tube, and slowly
move the legs and feet in the ordinary crawl or breastroke kick. The
gun is held in one hand and the other moved slowly to aid the
legs or let drag alongside the body. The swimming depends mainly
on the mood of the hunter, who moves slowly along the surface and
watches the sea-bed for fish. Once the prey is sighted in order
to get close before firing, it is sometimes necessary to dive and this
is done by bending the body at the hips and kicking the legs. The
dive is very similar to the duck dive as practised in life saving and,
of course, must be executed with as little agitation of the water as
possible to prevent scaring away the fish.

One question which arises repeatedly is: "What about sharks?"
I find this a difficult question to answer as I have never seen a shark
whilst spear-fishing, and have never contacted any other exponent of
the art who has. Several authorities claim that the sharks can easily
be scared off, by shouting under the water or swimming directly
towards them. These methods involve a certain risk, as the
authorities concerned admit that their theories do not always work and that they have had some narrow escapes.

Spear-fishing is a sport which requires that one should be in good physical condition and have good resistance to cold water. A slight mental derangement is a further decided advantage, or so said a certain revered instructor. Perhaps the possible presence of sharks prompted this comment!

In conclusion, I think that spearfishing is one of the best pastimes that could be recommended to anyone and I suggest you “give it a go” . . .

R. A. BOYD.

TRIP TO MT. BULLER

On Friday, August 6th, Mr. Brewer, Mr. Fricker and some students, including myself, set off after lectures for the snow. We ate a sandwich meal as we sped through the beautiful countryside, thankful that the new speed law did not operate until the Monday. And so quickly over the Black Spur. A meal at Alexander was appreciated by all. By evening we were at Mansfield. It was dark by the time Mirrimbah (the settlement at the foot of Buller) was reached. The road up the mountain had been partly snow-ploughed, and cars could be taken to the Old Chalet site, at a height of 4,500 feet. Water was removed from the car radiators, and at 7.30 p.m. we shouldered our packs, and started the trek in. Mr. Brewer said it was only a mile to the village, but it proved to be a mile measured vertically. Eventually we reached the lodge, had supper and fought our way into sleeping bags.

We awoke on the Saturday morning to find the snow driven by a strong wind, and visibility reduced to 50 yards. After breakfast, Mr. Brewer gave “ski lessons,” requesting our bodies to take up impossible positions. By lunch-time we were drenched to the skin through our “water-proof jackets,” but afterwards donned the skis again.

Entertainment that evening was provided by Peter Grundy’s harmonica, though other attempts were made by our worthy instructors.
Next morning we found more snow had fallen during the night. The new snow was very fast, and we began to learn something about braking on snow. Mr. Brewer gave more classes. The secret of downhill travel, we learnt, was to lean forward, but it was not easy to master. In fact, the top of the Bull Run took on the appearance of a slaughter yard, a collision with "A Snow Bunny" being one of the more dreadful events. Mr. Fricker's "three-point landing" on "the Bourke Street run" was another. After attempting to teach us a few more elementary tricks, Mr. Brewer announced that he intended to "warm up." It was noticed that this often consisted of a rapid take-off with sudden braking at 100 yards for "inter-club fraternisation."

Sunday lunch over, we set to work and cleaned the lodge. Mr. Brewer took much care of his private, brass-bound, bulging boxes, their contents being "everything to mend skis." And so back to the cars, down the mountain and in town again by 11.40 p.m. As Mr. Brewer said at his lunch-time lecture in the college hall: "You don't have to be mad, but it helps."

A. R. G. PEACOCK.

EILDON EXCURSION

For the 6th May, 1954, Mr. Stevenson arranged a trip to Eildon for the 4th year Civils. Transport was provided by Mr. Stevenson, B. Baldock, J. Loder, A. Trist and G. Rochfort with private cars.

The party of students and others departed from the College around 8 a.m., and at 11.15 a.m. we were introduced to Mr. Michels (the Applied Mechanics II. examiner), Jim Hicks and Bill Thompson, and given a brief outline of the aims of the project.

Jim Hicks and Bill Thompson, who were our guides for the afternoon, are ex-students of the College and bombarded us with questions regarding this establishment, including some about the unforgettable Mr. Griffiths.

We met Mr. Speedie (Hydraulics I. examiner) later in the afternoon.

The conducted tour of the works began in the soils' testing laboratory, where the various soils are tested for shear strength, permeability, cohesion and angle of friction to ensure that the materials come up to design requirements. The concrete samples are cured and tested in the same building.

The party then went to the observation point, where the formation of the dam and methods of carting the materials were explained. The Euclid trucks amazed the boys with their size and loading capacity and their ruggedness.

If they happen to capsize they are hauled back on to their wheels, the sump filled and away they go. The bottom and back dump trucks
have capacities of 30 c. yds. and 20 c. yds. respectively.

We were then called for by a transport and taken to the site of the power station, where we saw the huge 23 ft. diameter steel tunnel which brings the water for the turbines from the dam. Just before entering the power station the tunnel splits into three pipes — two 13 ft. 6 in. diameter, the other 12 ft. diameter, these conduits being fabricated from 1-inch plate.

The generation of electricity is only a secondary product of the project; the first considerations are given to irrigation and the State Rivers and Water Supply Commission have the right to cut off water flowing to the turbines if the water level becomes low.

The dam, when completed, will retain 2,750,000 acre feet of water and will be 127 feet higher than the old one. The Utah Construction Ltd. expect the dam to be completed within 15 months. Considering the amount of work still to be done this seems to be rather an optimistic forecast, and it will be interesting to see whether it can be realised.

The last feature visited was the sewerage treatment plant, where we were very surprised to learn that after passing through these works the water is as hygienic as the town water supply. However, no one was very enthusiastic about trying it. (In U.S.A. some treatment works actually feed the water back into the reservoirs). The effluent from these works is used to irrigate 40 acres of pasture. We also learnt that the sediment from the settling tanks produced fabulous results when used in the garden. The results were so good that they rivalled the many fish stories told.

Some of us were glad of the opportunity to see the treatment works, but a few were as pleased to leave. It is to be hoped that these never have to come face to face with some of the perfumes inseparable from country life.

The class extends its thanks to Mr. Stevenson for arranging such a good day and also to those who made the cars available.

Graeme G. Rochfort.

AN EXCURSION TO MELBOURNE'S WATER SUPPLY

The civil students were honoured one fine Saturday when the M.M.B.W. took them on an excursion to study one of the purest water supplies in the world — not New York's, nor London's, nor Sydney's — but ours!

At eight o'clock a fine tourist bus left the college with its full complement of passengers. On the run up we were given an uninterrupted description of various features of the water supply.

Our first stop was the Olinda Reservoir. This is merely a service reservoir placed on the aqueduct from Silvan. Here the water is screened, pine needles falling from trees along the open aqueduct
being removed together with any other leaves and twigs that may have fallen into the channel. This reservoir will maintain a supply to Melbourne for several days if the aqueduct from Silvan should become blocked.

From here we were taken to Silvan. This dam is of earthen construction and has a concrete core through its centre to keep back the water. We were invited to walk through this dam via the outlet tunnel, at the end of which some students, more unfortunate than their fellows, were allowed to climb the outlet tower. This climb of about 100 feet vertically, up a pipe too narrow for anyone slightly bigger than normal, was the climax of the day for many. A kind M.M.B.W. official rescued these lads in a rowing boat, saving them the trouble of descending again.

Outside again, we were shown the stilling basin where the high head of water in the dam is dissipated. From the stilling basin we went to the by-pass valves. Down a hole two feet square went more than twenty students. In this underground chamber we could see by the light of a torch, the pipe which by-passed Silvan and the gate valves which could be used to control this end of the flow to some extent when it was being used.

Arriving at Healesville, we were allowed time to eat our lunch before proceeding to the reservoir. Tea was provided by a good friend from the Board of Works, who had brought with him a large paint tin to boil the water in.

The Maroondah Dam is built of concrete and is more than 100 feet high above ground level on the downstream side. It has vertical pipes at intervals to relieve the pore pressure by draining into a chamber at the base of the dam. In the outlet tower the water enters horizontally opposed pipes, this destroying much of its excess energy. Gate valves hanging on a counter-balance control the amount of water entering these opposing jets. The inspection of this outlet tower completed the main part of the excursion.

On the way back home we called in to see the service reservoir at Surrey Hills. This reservoir keeps the head of water reasonably constant to the consumer and helps the mains from the storage reservoir to maintain a full supply during peak draw off periods.

Our thanks go to our instructors for arranging this most interesting tour of Melbourne's water supply, to the Board of Works for conducting it, and to the Weather Bureau who kindly gave us the perfect day on which to hold the excursion. B. F. NICHOLLS.

INSPECTION OF S.S. RIVER NORMAN

Early this year a vehicle came to a stop at Victoria Dock South Berth, and out fell some students and an instructor.

Wharfies hurriedly came to attention and glared at the new
arrivals, but soon decided the Swinburnian heads were not of correct shape for gendarmerie, and carried on their good work.

The party advanced upon a fine sample of the Commonwealth "A" class ships, the S.S. River Norman, and, although the crew had erected barricades, we used Dave Wait as a battering ram and soon forced a way aboard.

Here Mr. Mattingley made use of his acquaintance with the ship's Chief Engineer, and a tour soon commenced.

The "River" class of vessel was built for war-time requirements, thirteen being constructed for the Commonwealth Shipping Board in Australian yards. The vessels are approximately 9,300 tons deadweight, and are used for utility cargo-carrying duties. Speed is about twelve and a half knots, power being supplied by the Babcock and Wilcox Marine type water tube boilers burning oil fuel, and supplying steam to a standard Kincaid type of triple-expansion engine, with the Bauer-Wach exhaust steam turbine.

The party went below to the engine room, and was fortunate enough to find the head removed from the high pressure cylinder of the triple expansion engine.

Great joy was experienced by all in pulling levers and pushing various buttons. Also very interesting to the party was the engine reversing gear. At this stage Mr. Mattingley convincingly demonstrated his knowledge of the workings of a steam turbine. His acrobatic feats in reaching almost inaccessible points for comments were very noteworthy.

Next the ship's construction was examined, and a tour of the propellor shaft tunnel was very interesting. The procedure of fitting a new section of the propellor shaft was explained at this stage, and the attendant fittings examined.

Then came a tour of the boiler room, with much reference to super-heaters, fuel burners and general control. At the boiler furnace there was a first-hand inspection of the water tube arrangement and the interdeck superheater. These units were originally constructed to be fired by a mechanical stoker, with the attendant features of coal crushers and bunkers, but they have rarely if ever been used, oil firing being preferred.

The last items of the inspection concerned condenser installation and some smaller features of the engine room.

Mr. Mattingley then led us up on deck, where thanks were offered to the Chief Engineer. The group now entered its vehicle, safely negotiated the terrors of H.M. Customs' Office, and returned home to ponder the mysteries of nautical propulsion.

"DAVEY JONES."
THE VICTORIAN CRAYFISH INDUSTRY

Many people enjoy eating crayfish, but they do not like buying them. They are expensive, when the edible part has been selected and the waste rejected. Nevertheless, there is still a considerable demand for crayfish, usually for parties and weddings. The majority who enjoy eating "crays" are not aware of what happens to the cray between the sea and table.

Years ago, crayfish were plentiful around the Victorian coast, and fishermen did not have to venture far to catch all they could sell, but gradually the demand increased, and more boats started working the coast. Most crays were caught within a mile of the shore, boats travelling up to ten miles either way from their ports, and returning every day with the catch. This coastal belt has thus been gradually "fished out," and the fishermen have been forced to search for offshore reefs, up to fifty miles out. There are two known reefs in the Bass Strait, nine and twenty-seven miles out from Apollo Bay. The crays are so thick that pots are left for only one hour instead of the usual twenty-four. Many of the larger boats travel to the various Bass Strait islands, and fish around their coasts, often staying out for two weeks.

The crayfish are caught in "pots," made of cane, fencing wire, and wire netting. Each pot has a twenty fathom line, with four or five corks attached at intervals.

The pots are worked in fleets of about six, which are always kept together. One boat may work up to six fleets of pots. The pots are baited with fresh fish, usually "couta" and each fleet is "shot" in a line, the pots being about twenty yards apart. The pots are later "pulled" in a line. The crays are taken out of the pots, the pots re-baited, and shot again in a slightly different spot. Where possible the pots are worked at dawn to minimise losses through other fish killing the crays. The "under size" crays are thrown back, while the "size" crays are placed in the boat-well, which is a section of the boat flooded with sea water, and in which the fish may be kept alive until they are sold. Smaller boats without wells must carry their crays back to port within a few hours, and then place them in "coffs," which are large floating boxes, made of wooden slats. Every few days the crays are removed from the well or "coff" and placed in bags. They are usually sold to a local dealer, but are sometimes sent to market. In either case they are usually cooked before sale to the public.

Boats constitute the major equipment, and vary in length from twenty to sixty feet. The larger boats do long island trips, while the twenty and thirty foot boats work on the Victorian coast.
Some boats are open, while others are completely decked and have wheel-houses. Very few boats use sails today, the smaller boats using petrol engines, and the larger boats diesel. Many boats are now equipped with two-way wireless. They can talk to each other, or shore stations, but the main advantage of the wireless is for sending distress signals. Some fishermen are fitting echo-sounders to their boats, at a cost of £500. These echo-sounders draw a graph of the sea bottom, from which the fisherman can tell the depth and nature of the sea bed, and pick the most likely areas for crayfish. The Apollo Bay reefs, which are not shown on Admiralty charts, were discovered with echo-sounders.

A fisherman's income is a spasmodic thing. Bad weather may prevent him going out for a week, and in very bad weather there is the danger of losing twenty or thirty pots at £10 each. The cray season lasts for about six months only, and boats and equipment must be made and repaired in the "off" season. There is also an element of danger, boats often working within fifty feet of rocks and breakers. So, the next time you buy a crayfish across the counter, just think of the bargain you have.

J. BREHAUT.
In this short (but, we hope, sweet) article for the enlightenment of the general public, we would like to give an idea of the things we find strange and puzzling after emerging from the walls of various young ladies' seminaries.

In the first place, several matters worry us during chemistry and physics practical lessons. For instance, why is it that during chemistry prac. work certain people borrow and use our flawless and spotless equipment and return it dirty and mutilated or, in some cases, fail to return it at all? We are also curious to know what lectures have to be attended and what examinations passed in Rugby and Judo before we can become eligible to be included in the group of students of Physics IC practical who manage to obtain reasonable lengths of flex, instead of having to make do with six foot or centimetre length pieces.

A plan has been forming in our minds for some time that, perhaps, if the strain did not prove too severe, some of the engineers, instead of camping round a library table, could design and instal a system of traffic lights for the stairs in the Chemistry building. On walking into first year lectures lately, the first thing to strike us has been guided missiles. We have tried to obtain photographs of these phenomena but, so far, have failed in our attempt to obtain evidence for a daily newspaper interested in such matters.

We are staunchly supporting a movement for the replacing of the spring-type window locks on the front windows of the Chemistry building by the newest soundless ones. It has been proposed that this should be financed by placing a box in the inorganic chem. lab., into which every student who utters an uncouth word shall place a silver coin. We are confident that, after the locks have been provided, there will be sufficient funds left to pay for redecorating the College.

On first coming to Swinburne, we were so appalled, and also
concerned, at the ignorance shown by so many of our class-mates in respect to present-day feminine fashions that we have decided to begin a series of lectures entitled “The Science of Dress.” All the boys who have attended these lectures and passed the necessary examinations and then offer suggestions or criticisms of hair styles, accessories and such matters, will be listened to with respect.

A word about health! We are all ashamed that our chemists, in spite of their high average of intelligence and rigidly observed ritual of reading the daily press, should have failed to see the report of exhaustive tests carried out on a homogeneous liquid known as ‘Coke.’ A perfectly sound tooth was placed in this fluid and left for twenty-four hours. After this time the enamel had been completely dissolved. (For the benefit of those who do not know, the enamel is the hard exterior of the tooth). The last thing we would like to comment on is the number of milk drinks flavoured with ‘Blue Moon’ or such that are consumed. This flavouring is, of course, composed simply of copper phthalocyanine. Strangely enough, this same substance is used widely in the medical world for the cure of sufferers from distana hepatica. This drug causes large areas of cloasma to form, which eventually overpower the distana hepatica and the patient no longer suffers. This is described as a merciful release.

This article having been written only under ‘wearisome’ pressure, we refer all criticism to the one who applied the pressure.

“THE THREE GRACES.”

THE GLASS-WALLED WORLD

(With a chorus of soundless mouthings by its inhabitants and notes by our tame scientist).

Tropicals! Strange and rare!
I stand and stare
At the fish in there
Drinking their air. (1)

Chorus:
Archimedes declares (2) it
A world free from gravity (3);
Only modern art dares it —
Or nature’s depravity.
Cartoons before Disney,
And hues before Techni—, (4)
Streamlines before Dusenbergs
And poise before Pavlova.

Chorus:
Did I say “free from gravity?”
How wrong was the notion.
For "grave" implies "serious"
With manner mysterious
But in this micro-ocean (6)
All is pantomimed comedy
And flippant-tailed gliding —

Chorus:

Footnotes:
(1) dissolved in water.
(2) "A body immersed in a fluid..."
(3) Newton’s variety.
(4) The colour is omitted as being too "gorgeous" for words.
(5) The wriggly-tailed one insisted in putting in his oar — or is he putting out his tongue at us?
    "Comparison of the effects of environment on organisms in pelagic and aquarian conditions."
(7) Note by Editor: Give over you idiot; the fish have gone.

SYNTHETIC EMERALDS

In 1933 the price of an emerald was about three times that of a diamond of the same size. The value of a precious stone is, of course, liable to change once it can be produced synthetically, especially so if the synthetic product is not easily distinguished from the natural one. By synthetic we mean a material identical in every respect with that occurring in the earth’s crust except that it has been manufactured in the laboratory.

Diamonds were made artificially in 1820 but they were only microscopic in size and not comparable with the natural gems in quality. Rubies and sapphires have been successfully made for some years and, before the War, French, Swiss and German firms were making material identical with the natural stones. These gems are transparent forms of the mineral corundum (Al₂O₃), ruby being coloured by chromium and sapphire by titanium.

Emeralds are chemically more complex than rubies or sapphires, being a form of the mineral beryl (beryllium aluminium silicate). One method for crystallising such a substance would be to find a solvent in which it is more soluble at high temperatures than at low. A German mineralogist, Prof. Nachen, started in 1912 to work on the problem of synthesising a number of insoluble minerals. By 1928 he had succeeded in crystallising a number of minerals, including feldspars, mica and beryl. Eventually he was able to make synthetic emeralds weighing about 0.2 grams which were identical with the natural gemstone. The crystals were grown on a "seed crystal." Nachen made use of the fact that these minerals become appreciably more soluble at high temperatures and pressures, and
he made use of a technique for crystallising them from solution by sealing up the requisite raw materials in an autoclave and heating. The vessel was lined with silver and the seed crystal was suspended by a silver wire. The solvent was water containing traces of weak alkali. The raw materials were beryllium oxide, aluminium oxide and silica in the correct proportions. These were sealed in the autoclave and the temperature raised to 400°C and maintained there for several days. Much time-consuming experimenting was needed to determine the best conditions, but eventually Nachen was able to make emeralds up to 1 cm. long and 2 to 3 mm. wide. These are identical with the natural gems except that they are free from minor faults in crystal structure and inclusions which always characterise naturally occurring minerals.

K.H.T.

P/T AND E. STUDENTS HAVE THEIR SAY

Why is it that Open Door contributions are derived almost entirely from Day Diploma and J.T.S. students? Surely our large and important class of evening and part-time students should have something to say. This year the Chemistry Department has put some pressure ("Mugga" to you) on these students to supply something concerning their extra-curricular activities for the benefit of the common herd of full-time day students, who probably sometimes wonder what it is like to work.

First hear P.A.: "I work for the —— Chemical Co. of ——. The work consists of a little routine analysis of rubber batches, chiefly for moisture and viscosity. These rubber batches are made from reclaimed rubber and are used as the base for a rubber-backed carpet manufactured by a sister company. However, my main work is research and development work on adhesive, cap-lining compounds and vinyl resins. The work is interesting and salary and conditions are very good."

Now we turn to P.S., who works for a Government research department: "The Dairy Research Section has as its broad objectives improvement in the efficiency of dairy manufacturing processes, improvement in the quality of dairy products and better utilization for human food of the milk produced in Australia. To further these ends, each Research Officer conducting a particular line of investigation has one or more Technical Assistants (Trainee Chemists) assigned to help him. Investigations such as the use of non-fat milk solids to replace eggs in confections and cakes are commenced in the laboratory, then extended to pilot plant studies and finally given large-scale commercial trials. On the other hand, studies on viscosities of cream to facilitate the design of a suitable pump for cream were investigated by the industry. In the field of flavour
chemistry, investigations are of a more fundamental nature, as is exemplified by work on oxidised flavour in milk. Here, chromatographic techniques have helped in the isolation and identification of many of the constituents of milk causing this “off flavour.” Associated with this is the work on fat oxidation in butter, although in this case the approach has been through different techniques. Vitamin A in a stable form, such as Vitamin A acetate, has been added to concentrates to produce a skim milk powder fortified with Vitamin A. When a successful method of spraying has been worked out, the dried milk industry should benefit immeasurably from the new market created by this product.”

Next comes D.F., who has evidently fallen in love with his chosen work: “Right up to the present time the leather industry has been one of the most despised of all secondary industries because of its (so-called) noxious odours, etc. For this reason few chemists have taken up this industry as a career. Yet the manufacture of leather is essentially a chemical process from start to finish, although till recently leather processing was classed as an art. There is nothing in the plastic field which has the qualities of leather or can take its place. With the discovery and advent of many synthetic materials now used in it, the leather industry has been completely revolutionised in a few short years, but the science of leather is still in its infancy. Thus, there is a wide field of interesting work for chemists willing to take up the study of leather in its organic, inorganic, physical and bio-chemical aspects. Both research and analytical chemists can find outlet for their energies and talents; tanneries cannot function efficiently without their aid and they must keep up with modern science and developments in the endeavour to improve their product and to find new uses for it, in competition with the ever increasing number of synthetic plastic materials.

The industry calls for men (and women) with a sound chemical and practical knowledge in all phases of the profession, with a ready ability to solve processing problems at a moment’s notice. This is especially so because of the varying nature of hides and skins from various localities and the different treatments that are consequently needed for them. For the right person, advancement to high technical and executive positions is a great possibility. Also, owing to the shortage of chemists in this industry, a great variety of work is offered to those who take it on. It is hoped therefore that this article may encourage some more budding chemists to consider the possibility of pursuing this career.”

W.N. now takes the rostrum on behalf of the consulting chemist and public analyst: “In this profession many different fields of chemistry are encountered; e.g., metallurgy, soap, oils, fuels, rubber, paints, foods and drugs, to mention only a few. From this it can be seen that a consulting chemist must be something of a “Jack of
all trades" to carry on a successful practice. The consultant is called upon by firms or individuals for assistance with all types of chemical problems. Often he is required to act as the chemist for some small factory or industry which needs technical assistance but is unable to 'carry' its own laboratory. On the other hand, advice may be sought by clients who desire independent opinions on problems already explored in their own laboratories.

"As a public analyst, the consulting chemist analyses and reports upon foodstuffs submitted by municipal councils or the general public. This work is carried out to ascertain whether or not such samples comply with the State Health Act. If, as a result of his analysis, a food manufacturer is involved in a prosecution for a breach of this Act, the public analyst is required as an expert witness when the case is heard in court.

"Insurance companies make use of the services of the consultant, especially in regard to the damage to cargo shipped from other countries. In this case, chemical testing and a chemist's opinion are the deciding factors in deciding whether a claim for such damage should be paid by the insurer.

"It can thus be seen that a very wide knowledge of chemistry in its relation to industry and commerce can be gained while in employment as a consulting chemist. Such a position is not without its advantages, because the experience gained thereby can easily lead to an excellent appointment in some industrial undertaking with which the consultant has professional connections."

Lastly, P.M'.D. is the business man: "We have heard much of chemistry from the laboratory side of the subject but let us look at it for a few moments from another angle — the salesman's view. The person who sells either industrial or fine chemicals must know the product that he sells, the reason being that in many cases he is dealing, not with a chemist, but with a purchasing officer who has been given instructions to purchase but knows very little about the nature of the chemical he is buying. On such occasions, the more help the salesman can offer to the client, the better for his business; therefore, he must have a thorough knowledge of his product and its capabilities. From the other side, an experienced chemist/buyer can give much help to the salesman. The alert salesman finds that there is always something to learn.

"A salesman has to be very circumspect, as usually he deals with a number of clients in the same form of business. Naturally, he learns much of each person's formulas and business methods, which in many cases are closely guarded secrets. These secrets must never be revealed from one source to another and so the salesman must know when not to talk, as well as how to hold forth when the occasion demands it. As he usually covers quite a number
of trades in his travels, the salesman meets many people in different businesses and he becomes an ambassador, not only for his firm, but also to the science of chemistry, for at all times he should bear in mind his position in this great field.

"From these few remarks you can see that the chemical salesman has to be a psychologist, a sphinx, a politician and a friend in need and that his life is not all 'beer and skittles.' However, far be it from me to detract from this side of chemistry or deter you from becoming a salesman, because the life is good, the competition is keen, you meet many people who become good friends (even though keen rivals); personally I would not become a slave to a laboratory bench for ANYONE."

There you have it; a cross-section of the lives and interests of several of our part-timers and evening students. Each of them seems to have found a type of work in which he is interested and he feels to be worth while. They are getting their training in the hard way. Good luck to them all!
ART SCHOOL

FOURTH-YEAR CLASS NOTES

It is, indeed, encouraging to know so far in advance that one or even less, will receive that worthwhile piece of vellum with the word "Diploma" printed on it at the end of this gruelling and utterly depressing year. It forces some of us to strangle more instructors, eat more white lead and walk up freshly painted walls, while others turn to arriving at 10.30 a.m. They, having spent their morning in this happy hard-working way, spend their afternoons in relaxation, by half-attempting a "shocking" life drawing or by practising the placing of the deltoid on a large sheet of paper all by itself.

Most of our members have been their usual hopeless selves, especially Douglas, who continues to speak negatives. They say he has never been teased. Oh no? Ron has nearly proved that a part-time diploma way is the successful way; Whicks has found the scarf weaving business to be her "warp" of life; Robert Rabbit hops home to his little "borough" every night after designing programmes, etc., just for love! Chips is slacking on his slave driven duties; Vivienne wants to see Franquin; Jenny has cultivated Ubangi ears; Gwenda has several more skulls in her collections and Joan, the only one who has turned out any masterpieces worth a second look, has weighted her left arm to her drawing board with a golden handcuff.

But what is the "Madder" with Kuzz's jazz? We know he is often "tight like that" but he really has broken all records since he wrecked the long-playing "head" from the Art school.

Nothing quite so upsetting has happened this year as Mr. Calcutt leaving. He has always proved to be a great help, sport, and inspiration throughout our arduous four year struggle.

The month of June took Wendy from our midst to the other side of the globe. The last we heard was that there are seagulls in Sorrento and also wine at eight pence a "pop." No wonder Sorrentonians ask you to go back. There really is something to go back for at that rate.
We have enjoyed the process of “prettying” the Art school. It really is enlightening to see such imagination of colour used on every wall throughout the building. Was it worth the inconvenience?

Nothing like living with Third years, and making way for First years. The latter are a charming band of mass-produced heathens who delight in torturing us with their back-dated hill-billy records, who pinch our seats around the gas fire, and then, having secured our seats, proceed to remove the candles from the fire to see what colour the flames are without them, and then blame us. What to fourth year students could seem more infuriating is beyond even Einstein Fraillon’s imagination! Well, it won’t be long before we “have them born already.”

If only we could ALL make out that we are clear thinkers, then perhaps those who have not passed their Matric. English could pass, and those who have passed could attend their lovely “Library and Thesis Work” even less than once a month. But then it wouldn’t be much of an advantage for we would miss those happy hours.

Oh, it must be embarrassing to step aboard a tram with a cigarette butt protruding from one’s “blood-shot eye, like that.” My apologies to these poor victims are (like my library books) overdue, but as they insist on placing themselves in such awkward positions around a certain evil green instrument, they have only their own folly to blame. Were it not for this lengthy weapon, lung cancer may have over-ruled and some other idiot would have had this horrible job of writing class notes.

M.T.

THIRD-YEAR CLASS NOTES

Like the ten little nigger boys — or A. A. Milne — now we are six! The mortality rate among Art students is alarming. However, the remaining few are now heavily insured against theft, punctures and art-club-itis

Exhausted after two years of nomadic wandering, we settled with relief into our very own little apartment at the beginning of the year, hung floral curtains at the barren window of G3, and idly dreamed of the wonderful months ahead in the cosiest hole in the entire school. But inevitably personal comfort must give way to progress, so after a short existence in our fools’ paradise, we were evicted without ceremony (after struggling to instal locks on everything, which would have baffled even Houdini) and again we are a race of flying Dutchmen.

Our eviction has unfortunately thrown us into a state of permanently close proximity to those nerve-wracked, anxious beings — the fourth years. Their sorrows are our sorrows, and their joys ours. Worse, their music is our music, and though one or two classical lovers have become tolerant of jazz, there have been as
yet no conversions of jazzites to classicism. By their discords ye shall know them!

We very nearly lost another from our decimated ranks. Valda met a nervous horse. On acquaintance, the horse became still more nervous, and began to fall apart, so that Valda was forced to dismount rather suddenly. Unfortunately, something went wrong, and Val has been plastered for many long days. (Pottery students—don’t let this happen to you). Her enforced absence has made her love the school nearly as much as does Phillipa, who is so enamoured of the surroundings that she voluntarily spends an extra half hour here every Tuesday night, patient and uncomplaining.

We are taking up a collection to buy Sheila a Kosy Komfort Kerosene Heater, so that she will be able to come to photographic rendering. And if you see a certain engineering instructor sadly thumbing a ride southwards along Glenferrie Road, you’ll know that “Redex” Schmidt has got in first.

We are all endeavouring to broaden our minds. We go to Youth Concerts, with or without our knitting. Sheila and Mary even took up leatherwork, but have become somewhat discouraged by raven oil, which is truly indelible. Mary has also of late become frightfully interested in furniture construction. We see less and less of Ken; he seems to have become audible rather than visible these days.

Our cooking class is still being held every Tuesday, and sometimes Thursday also, much to the olfactory disgust of people upstairs. Bacon and eggs is the staple diet, with soup for both hors d’oeuvres and dessert. Our ambition is to make a pheasant souffle if someone will shoot us a pheasant. Please pass the Digestive Rennies!

We still appreciate the staff, though Mr. James seems different, somehow. Mr. Jordan has been particularly patient with us, even though somebody italicised the printing-ream floor knee-deep with 12 point Bodoni. We will sadly mourn the passing of Mr. Calcutt.

We have the friendly informality of massed senior student meetings in the school hall. Unfortunately we sometimes forget our uniforms and serial numbers, or even think thoughts irrelevant to the proceedings under way. These regrettable tendencies we realise must be stamped out in order to make us acceptable. How wonderful is the shining light of democracy!

With our diploma year before us, we shake in our shoes. Visions of heads, hands and feet, imperfectly drawn, haunt our dreams. Dot Stipple creates an impenetrable impasse. But still we press on regardless, blazing a trail through title-pages, travel brochures and packaging. If any among you know any cause or just impediment why these persons respectively should not obtain their diplomas, please keep it under your hat.

M.D.
SECOND-YEAR CLASS NOTES

Following the current Hollywood "Oscar-awarding" trend, we have decided to adopt a similar system among the members of the second year, in an attempt to encourage a cultural revival within the school. We are not so narrow minded, however, as to confine this revival solely to artistic creation; hence we have awarded ten Oscars for outstanding performances in various worthwhile fields. Much thought has preceded the distribution of awards, and we trust that all winners will appreciate the significance, indeed the honour, of receiving such a trophy.

N.B.—In certain cases awards have been made to persons actually not in second year; these persons should feel even more deeply honoured.

OSCAR I. — *For artistic ability:*

After considerable discussion we have decided that the only people connected with the art school who had any artistic ability at all were the painters who re-decorated the school during first term. Nevertheless a sub-Oscar (or Oscarette) has been awarded to Eric for his discovery of three dimensional painting, whereby a design appears to jump out and hit one in the face, merely by the application of 127 layers of paint. The writer of these notes was also seriously considered, for the colourful designs which he splashed on the wall of G.12. Mr. Calcutt liked them so much that he had them wiped off every now and then, so that fresh ones could be executed.

OSCAR II. — *For versatility:*

Few will dispute our decision to present this Oscar to Ron Griffin. Among other things, Ron is an athlete, singer, ballet dancer, impersonator, paper boy, swimmer, actor, vegetable grower, Pauline-liker and communicator with the spirit world. Naturally, being all these things at once makes Ron seem rather like Danny Kaye in a cyclone, and therefore liable to be misunderstood by members of the staff, and certain of the more sedate and dignified students of third and fourth years. If any of the aforementioned persons think Ron is "nuts," we can hastily assure them that he is.

OSCAR III. — *For the most outstanding contribution to science:*

To John Zurbo for valuable investigation into the nature and purpose of flying saucers and the possibility of week-end sketching trips to the moon. During the year John made a mysterious trip to America, to the intense annoyance of some students, who did not believe that this was, in fact, the truth. To allay these suspicions, John has permitted us to disclose the correct reason for his trip — he was testing the latest type of flying saucer. The test was a complete success and from start to finish took exactly a day and a half —
Art School

36 hours. John tells us also, that he is not superstitious, but for some reason or other 36 is his lucky number.

OSCAR IV. — For good behaviour:

Everybody in second year is so well behaved that the judges had great difficulty in making this award. Eventually it was decided that the Oscar should be shared jointly by three charming girls, Robin, Bobby and Pauline. Here, we feel, are three girls whose manners, even in such periods as life drawing, are beyond reproach. Surely we have all noticed the pleasant and co-operative way each of them walks out, every time Mr. James throws them out of the life room; and the most polite manner in which Robin says: “Yes, Mr. James; No, Mr. James; Yes, Mr. James; Yes, Mr. James; No, Mr. James,” each time Mr. James asks her a question and the perfectly charming way Bobby refuses to draw when she doesn’t feel like it; and Pauline’s sweet, inoffensive method of arguing back. All these things help to make life drawing so much more pleasant, both for students and teacher, and possibly account for our very high standard of life drawing.

OSCAR V. — To the most unpopular person:

Nicolo — for obvious reasons.

OSCAR VI. — For the school bully:

In case anybody wonders why we should present an Oscar to a bully, we should like to explain that a bully is a traditional part of any English school, and we intend to maintain that tradition. It is impossible to over-estimate the good effects a bully has on weaker members of the school, by forcing them to either defend themselves with spirit, or endure the horrible tortures which all bullies have perfected. In Pat Dowsing we have a really terrifying bully. With ruthless persistence she has stalked certain cowardly members of the school and bashed them into complete subjection. Among Pat’s favourite methods of torture are:—

(a) The Blue Paint Method.—Victims completely covered in a heavy layer of ultramarine blue.
(b) The Water Treatment.—Victims half drowned in dirty water. Robin proved a useful assistant in this treatment.
(c) Tie Pulling—In this method the victim is dragged roughly around by the tie until completely exhausted, and then is choked until nearly dead, but is left to recover until next time.
(d) Dance of the Drawing Pin.—Drawing pin placed on victim’s chair. Victim sits heavily on chair, gets off quickly and dances painfully around the room, until bashed down, or given the tie or water treatment.

Against such opposition as this, the girls of St. Trinians were angels.
OSCAR VII. — *For the best comedian:*

The mere thought of June telling one of her uproariously funny jokes makes us so hysterical with laughter that we will award her the Oscar before the whole lot of us split our sides. Only June can cause the entire form to collapse on the floor in uncontrollable mirth, merely by a subtle but brilliantly spoken example of true wit. Oh please stop it, June, you’re killing us!

P.S.—Mr. Pendlebury runs June a pretty close second, but his jokes are a bit subtle for our simple young minds.

OSCAR VIII. — *To the person who has tried the hardest:*

This award must go to Ray who has tried so hard and for so long to start his “bomb,” that he deserves to be presented with a free Rolls Royce. Keep trying, Ray, and perhaps when you put an engine in it, your “bomb” might carry you triumphantly back to Gravesend, even if it hasn’t got wheels.

OSCAR IX. — *To the best singer:*

Dame Nellie Edmenston, with her sweet, birdlike voice stands far above any possible rivals. We have no time for the critic who said that the only thing bird-like about Pat’s voice, is its resemblance to a dying crow. What could be more beautiful than Pat happily warbling, “It’s a Lovely Day Today”? We have even less use for the student who said that all days would be much lovelier if Pat did not sing at all.

OSCAR X. — *For all silly people:*

This Oscar is awarded to you. If you have been silly enough to read these form notes right through to here, then I am afraid there is nothing I can do for you. You had better take a couple of aspirins and keep as far away from second year students as possible.

J.A.

FIRST-YEAR CLASS NOTES—"A" GROUP

Yes, 1A is the number! There are fifteen of us, all art students, and (I know it sounds “peculiar”) we work in the art school. We’re extremely varied, too. We have two “smoke-stacks,” one almost shoulder-length hair-do, one book-worm, one “Dagwood” hair-do, and one “Daw-Daw.” Happy days — the’re all boys!

On the side of the better sex, we have three very interesting gigglers: one (with excellent lungs) who is often told to “break it down to a roar;” two inseparables, one with the happy knack of saying expressively “sort of — you know;” one horse (well she’s almost one), one clown, alias “Cactus,” and one called “Professor,” for very little reason.

So, with such variety, life can be nought but gay, and not too uneventful.

TONIA LANGTON.
ART

1st YEAR NOTES — “B” GROUP

Most students I think, although awed, enjoyed their first day in the Art School, for the reason, that we hardly did any work. (That is not to say that we do not like it now). It did give us a good chance to settle into the surroundings though and learn to recognise the different teachers. Our group has changed in size, with pupils coming and going since the beginning of the year. In the first term, we went into the museum nearly every week, on a Friday, to do sketches of animals. We all enjoyed this, as a change from the classroom. Many visitors would admire our sketches, even though five minutes later Mr. Pendlebury would come over to help us, and rub it all out, informing the pupil that his or her work was completely out of proportion. On Wednesday afternoons from half past three till about five o’clock, the Art School has films in the theatrette, which gives a nice end to the school-day. There also have been lunch-time lectures, given by various people on art, ski-ing, architecture and other subjects, in the school hall, during the year.

The Art School was painted inside towards the beginning of the year which put everyone to a bit of inconvenience, but the results have been appreciated by all. In one of the class-rooms, there is a radiogram for the use of any pupil. Some students are nearly always using it to play hot jazz, so the hill-billy fans of “B” Group brought their favourite hill-billy records along and played them a couple of times, only to bring a wail of disapproval from the jazz fans. There have been quite a few dances, but not many of “B” Group have attended: however, there are three more years at the school for most of us (we hope), so there is time yet. There was also a small attendance of our group on the snow trip to Mt. Donna Buang, but that was rather expensive. I think that everyone who went enjoyed it, even though there was only a few inches on the summit. The majority got back to the bus in plenty of time with wet clothes, but no one got lost or broke legs toboganning. We look forward to another one next year.

We discovered that the teachers believe in frightening us half way through the year by setting us nice easy examination papers and then marking them rather strictly.

There was a considerable change in the amount of work done generally throughout this group, this latter half of the year, because of the results of the half-yearly exams. We must remember though, that “to climb steep hills requires slow pace.”

BETH SPICER.

59
Though numbers have doubled since last year, we are disgusted that some people do not know there is a commercial school.

Our main arguments are over football. These are always one-sided, as most girls barrack for Essendon and only one for Collingwood, the others being neutral. We always have amusement during breaks, as there are two up-to-date “singers!” Now and then we have vivid descriptions of Maryborough. And at lunch-times we find it amazing what some “not commercially-minded” people will eat. We also hear much of the history of England. “A good country is England,” is a famous statement.

When on one never-to-be-forgotten occasion a mouse dared to peek at commercial seniors (also to begin eating their lunches), the reactions were varied. Two quickly broke the human sound barrier with blood-curdling screams. One sat and watched with great amusement. A teacher, hearing the din and with much laughter, returned us to our abode. But the recess continued with two pairs of eyes continually watching where the mouse had disappeared.

One member of the staff, who is continually ordering a diet for a student and who succeeded in catching the flu, will receive a diet chart to help build up his resistance. As this member teaches in the other senior departments, suggestions will be welcomed. Incidentally, we regret to say that several girls were flattered to hear that some prize animals in South Gippsland have the same names as themselves.

Our only other disappointment this year is that time is not provided for physical exertion, except for those who have a regular walk to the main school. This, however, will be put right next year and strict diets may not be necessary.

S.D.
A TRIP TO THE BANK

On the 25th May the students of the Commerce School were taken by Mr. Barrow on an excursion to the National Bank.

It had been arranged that we should meet at Flinders Street Station at 9.15. Promptly on the dot of 9.15 the senior girls were there, but Mr. Barrow and the juniors arrived (punctually?) at 20 to 10. Another sad story about a missed train!

As we were late we were hurried quickly on our way. Soon we could be seen streaking down Collins Street, with Mr. Barrow out in front and the rest strung out behind.

However, we all arrived safely and were taken up to see over various offices and other rooms, including the library and the Directors' board room.

Then we visited the roof, where some girls of a more “timid” nature defied the law of gravity by hanging more than half way over the wall, while pointing and chattering excitedly to their friends. Mr. Barrow shut his eyes to their precarious position and spoke enthusiastically to our guide.

Down on the fourth floor we were sustained with biscuits, tea and coffee.

From the mezzanine above the ground floor we had a bird’s-eye-view of the usual business of the bank. We were shown how the cheques were dealt with and the amounts entered in the various books. We also saw many interesting but complicated machines in action.

Some of the girls were beginning to complain that they had not seen any money yet, so we were taken down to the basement, where our guide went through the processes of locking and unlocking huge metal doors. Some were disappointed when the doors were locked after them so that they could not escape with the money. We all saw what a difficult job it would be to try and break in.

Down a corridor surrounded by rooms with iron doors instead of walls, we came to a small room. Here groups of men were occupied in counting out large bundles of money. The girls were given £10,000 to hold.

After seeing through the safe deposit room and the basement offices, we returned to the ground floor. Our tour of the bank was over, but we all agreed that it had been very interesting and educational.

ALISON MILLARD.

LIFE IN A HOSTEL

On numerous occasions I have been asked, “Where do you live in Melbourne?” As soon as I answer, “At a girls’ hostel,” I usually
get the comment, "Oh, how awful!"

People often get the wrong idea about hostels. One needs to stay there for a while to realise what fun it can be. At first I didn't like the thought of leaving home, but as soon as I arrived at the hostel I forgot my loneliness and immediately felt at home among the sixty girls who live there.

There is never a dull moment, for there is always something to do. It's lights out at 11.30 p.m. but just think of all the mischief you can get up to before then. The poor Matron gets tired of trying to keep us in order. There's often been a time when a box or a shoe has been used as a football or cricket ball along the passage. Beds are often short-sheeted or tampered with, and occasionally there's a time, like the other night, when one poor girl's bed contained a cold "hot-water" bag.

On another memorable occasion we were sitting on the roof in the sun (four storeys up). One girl was knitting, but before long she noticed that her ball of wool was missing. On looking down the back stairs she saw her wool wound around the stairs and the remainder floating in a pool of water in Flinders Lane. She must have felt annoyed, but, like most others who stay there, she took it all in good spirit. It would be just too bad if one did not have a sense of humour.

As well as the "lighter side" there is a certain amount of work to be done, but there is never a complaint, because your chores are never as many as those you are called upon to do at home.

Yes, a hostel is a good place to live if it is necessary for you to leave home.

I.E.H.

TEMPLES IN BANGKOK

Bangkok is the capital of Thailand, a country with a population of approximately eighteen million and situated mainly between Burma and Indo-China. A journey from Australia to Bangkok will take twenty-four hours by air or about a fortnight by sea. Bangkok with its wide roads has many modern buildings of European style. There are many interesting places to visit, such as The National Museum, The Grand Palace and various temples.

As most of the people are Buddhist, visitors in Bangkok will find in almost every district many temples surrounded by huge walls. One of the most magnificent temples in Bangkok is called "The Emerald Buddha Temple." It is situated in the grounds of the Grand Palace. This temple is open every day for visitors. At the entrance one can see big stone giants standing as if they were
watching. Around the temples are pagodas of different sizes; in these are buried the bones of the dead. The temple has bright tiled roofs and gilded pinnacles. Within the temple there are figures of Buddha and burning candles. Elaborate carving covers the walls and ceiling.

C. PRASERTSUKH.

TAKING THE THEATRE TO THE PEOPLE

An Australian in London will always find a welcome at the “George,” Southwark, for this, one of the oldest inns of London, is now managed by one of our fellow-countrymen. The earliest reference to the inn is in 1554, and as the site of the old Globe Theatre, where Shakespeare used to produce his plays, is not far away, we can presume that the bard would have called here to quench his thirst. The tavern still retains its connections with Shakespeare for, during the summer months, performances of his plays are given on a tiny stage which is set up in the courtyard.

This of course was the usual method of presenting plays in the Middle Ages, the poorer people viewing the play from a standing position in the yard, whilst the richer merchants and gentry would sit on the balcony surrounding the courtyard at first floor level.

Having come to some agreement with the landlord who would, generally speaking, be glad to see them (for they would attract custom to his house), the players would set up their stage and then try to get an audience together. If they were in funds and had plenty of time they might get the Town Crier to go round and announce their arrival. If they were only making a short halt, however, they would get one of their number to beat on a drum, whilst others would be dressed up as clowns or do acrobatic tricks attracting a crowd with the same wiles as does the modern showman at the local fair.

It was a hard life, for at times the audience might pelt them with stones and dirt if the performance were not to its liking. On the other hand they might have a good day, especially if there happened to be a rich merchant or one of the gentry in the audience who placed a gold or silver coin in the hat passed round by one of the players. This made all the difference between sleeping in a bed at the tavern with enough to eat and drink, or moving on and sleeping in a hay stack with a crust of bread and water only. However, the glamour of the stage attracted people then as it does today, and if it were possible to get a patron interested in the troupe then all its money troubles would be over.

W.B.
To begin the year, the swimming sports were abandoned, which disappointed us all very much, but we are all looking forward to the Athletic Sports Meeting. Beware other houses!!!

I would like to congratulate all the girls who represent Blackmore in the school teams. We welcome all new members to the staff. We are revelling in the thought that our examinations are over for the year. Congratulations to the girls who have obtained 80 or over in their marks. SONJA SIMONSEN, Captain.

BETTY COLLINS, Vice-Captain.

McPHerson

This year we are pleased to say we again have Miss Lobb for our House Mistress. We would also like to welcome Mrs. Spragg to McPherson and thank them both for their help and encouragement during the year.

We were all very disappointed to hear that the House Swimming Sports were to be cancelled, as this was one of our strong points, but we are eagerly awaiting the results of the Athletic Sports.

We extend our congratulations to Blackmore which was Top House 1st term, but McPherson is very hopeful of carrying off the honours at the end of the year, SO KEEP UP THE GOOD WORK GIRLS!

ALTHEA DYER, House Captain.
FAY TREGENZA, Vice-Captain.

PRIDMORE

After successfully winning the House Shield last year, the members of Pridmore House are trying hard to keep it this year.

Many points have been gained for individual work in the classroom, but still the Order Marks keep cropping up.

Last term Pridmore was second in the stakes for the Shield; we must all try much harder this term to make sure we keep it in the House.
The Open Door

Athletics should provide keen competition at the House Sports, so “Good Luck” to all the houses.

Girls representing Pridmore in teams are: Tennis, J. Waghorn; softball, L. Thompson, L. Bell, E. Westerman; jnr. basketball, L. Morgan, P. Smith; snr. basketball, P. Lynch, D. Reid; hockey, E. Smith, R. Battersby.

E. WESTERMAN, Captain.
R. BATTERSBY, Vice-Captain.

SWINBURNE

Swinburne started off rather badly this year by coming fourth in the end of term total. Our congratulations go to Blackmore for a fine effort.

It was bad luck that we did not have the House Swimming Sports this year, as Swinburne won them last year. But as there are the Inter-House Athletic Sports to come, we hope to be on top by third term.

This year we have an order mark — house mark system. Any marks gained are called House Marks, and any lost are called Order Marks. Three Order Marks mean detention; detention means three more Order Marks. So any girl going to detention loses six marks altogether. House Marks are gained for doing duty well, or for good homework, and conduct, also in sport. In exams, house marks are gained by any girl who obtains 80% or over.

We would like to thank our House Mistresses, Miss Grose and Miss Renshaw, for all their help and hard work during the year.

We were well represented in the following teams:

Hockey: Angela Westerman, Margaret Aitchison, Bvereley May, Margaret Rodda.

Tennis: Barbara Chesterfield, Joan Ward, Marilyn Little, Susan King (capt.).


Softball: Irene Johnson, Lois Bartlett (vice-capt.).

SUSAN KING, Captain.
DOREEN TAYLOR, Vice-Capt.

BASKET BALL NOTES

We were sorry to lose last year’s coach, Mrs. Rayner, who is now our Sports Mistress, and would like to thank her very much for her strenuous efforts.

We are, however, fortunate in again having a very fine coach, Miss Lynch, whom we would like to thank for the enthusiastic help she has given to our teams.

So far we have played four matches out of which both the Senior and Junior teams have had two wins and a draw. With more practice we should do well for the rest of the season.

FAY TREGENZA, Senior Capt.
ROBIN WHITE, Junior Capt.
Girls' Junior School

PREFECTS

SENIOR BASKETBALL TEAM

67
HOCKEY NOTES

So far this year we have played two matches against Box Hill and Brighton.
Scores were: 1-0 in Swinburne’s favour; 5-0 in Brighton’s favour.

We think this sudden decline is due to our not having had a coach during the first term. We have not begun the second round of matches and are being encouraged by our new coach, Miss Farren, to whom we are very grateful. Our thanks are due to Miss McLeod for her assistance during first term.

SONJA SIMONSEN, Captain.
ELAINE BRAY, Vice-Captain.

SOFTWARE NOTES

As we have been undefeated for the last three years, we hope to win the rest of our matches and retain the cup because our showcase would be lost without it after all these years.

The team is feeling very enthusiastic about winning the coming matches because of the able coaching of Mr. Cohen. He has given us many useful points on the batting and fielding. The school has again entered a team in the Saturday morning matches and we wish the girls the best of luck.

Summing up, we would like to thank our coaches and wish the girls all success in the coming matches.

MARGARET SINNETT, Captain.
LOIS BARTLETT, Vice-Captain.

TENNIS NOTES

We have lost our two most experienced players from last year, and as a result we have not done so well, losing the first three matches. However, the team is improving with every match, and we are quite hopeful of registering some wins before the end of the season.

This year our matches consist of two six game sets, instead of one nine game set, as in previous years. This allows each pair to play the opposing two pairs, and appears to be a better arrangement.

The players would like to thank Miss Cotes for her willing help and advice, also the girls who have assisted in other ways (especially in handing out oranges).

The team comprises — Barbara Chesterfield, Lorraine Fleer, Susan King, Marilyn Little, Joy Waghorn and Joan Ward.

SUSAN KING, Captain.
LORRAINE FLEER, Vice-Captain.
Junior Basketball Team

Tennis Team
FORM NOTES

4A

After having won the "Picture" many times for first term results in 1954, we the girls of 4A were also allowed to celebrate by having a picnic excursion to Warrandyte. It would take too long to describe all we did but just to relate one incident, we found a rope tied to a tree, and each took a turn in swinging out towards the centre of the river; fortunately for us the rope was very strong. After having a pleasant outing, the following day found us back at school quite prepared to study for our next examinations. Many thanks to Miss Lobb for her interest in prefects and the girls of 4A.

SONJA SIMONSEN, 4A Captain.

4B

Form 4B consists of 20 girls, 5 of whom are in sports teams. We are glad to welcome 2 new girls from Upwey, Pat Newman and Marion Thomson, and we hope they feel happy at Swinburne.

Under the guidance of Mr. Barrow, our Form Master, we have started a small Tuck Shop at the Commercial School. We hope to make enough money for an excursion at the end of the year.

The lawn at the side of the Commercial School has made a great improvement, and we hope it won't be long before we can use it.

Our congratulations to Betty Allan on being elected as our Sports Captain. We would like to thank all our teachers for all the work and help they have given us.

FAY TREGENZA, Captain.

3AB

It was very pleasant to be back at school after the Christmas holidays; we had so much to talk about. The teachers also came back fit and ready to teach us again with new resolutions too, it seemed (to our sorrow). So we realised we had better settle down. Some girls wanted to do more maths and science so they went into 3b, forming a 3b professional group, and other girls came into 3a. It was rather bewildering to know who was in our form and who wasn't. As both forms are small we should do well this year.

SYLVIA KENNEDY, 3A.

PAM BAKER, 3B.

Form Captains.

3C

We are all happily settled down into our new course, and have done fairly well in the examinations. We would like to thank Miss Cotes, our form mistress, for helping us throughout the year.

JUNE HOFFMAN, Captain.
Girls' Junior School

HOCKEY TEAM

SOFTBALL TEAM

71
Hullo there, this is 3D. We have 20 girls in the form. Some of us are in school teams: B. Chesterfield (tennis), M. Sinnett (soft-ball), W. Charrett (basketball), B. MacLaren (hockey) and others.

We have been on several excursions and are looking forward to the next. We hope we will see you next year when we all hope to move up. This is 3D signing off.

BARBARA, MacLAREN, Form Captain 3D.

Since the beginning of the year, we in 3BP have been doing a special course in Science and Mathematics. Some of us are hoping to be teachers, others nurses, air hostesses and chemists.

All the girls have agreed that both Mr. Budge and Mr. Lovitt have been very patient with us, as we are quite an annoying group at times.

Out of the eleven of us, six are in teams. Erica Pigott, Beverley May, Beth Pretty, Margaret Aitchison and Elaine Bray represent 3BP in the hockey team.

PAT LYNCH, Captain.

We are the forms of 2ABCD, The best forms of SWINBURNE we try to be. We like our work and sports day too, And never a moment of ours is blue. Diane, Christine, Laurelle and Lyn Are always trying to make their form win. 2a first term had an excursion, Just because they used their exertion. In all of the sports teams you may see Some of these girls from 2abcd. All four of the forms have very good been The picture of merit in our form room is seen. And now you’ve met forms 2abcd Four happy forms as you can see.

DIANE WHITELOCK, 2A. LAURELLE MOLLISON, 2D. CHRISTINE FRICKE, 2B. LYNETTE WALKER, 2C.

Form Captains.

We’re IAB! So new are we We haven’t learnt the rules; But Swinburne is the best of schools As you will always see.
Our form room is the best just now,
We keep it clean and tidy.
We always must abide by rules
And never should play hidey.

We’ve won the pictures twice this year
And hope when reading this you’ll cheer.
We like our art and have such fun
When looking over what we’ve done.

Now that is all from 1AB —
Such jolly forms as you can see.
We give and take and learn to play,
And we’re all happy every day.

SUZANNE MILLANE, 1A.
LOLITA SENBERGS, 1B.
Form Captains.

GUEST SPEAKERS AT ASSEMBLY

During second term we have been pleased to welcome visitors and staff members as guest speakers at school assemblies. Mr. Tylee, with the aid of many coloured slides, took us across the Nullabor Plains to Western Australia and opened up a fascinating picture of little known places.

Mrs. Kolm-Exiner and two dancers gave us a demonstration of modern ballet and creative dancing in costume, while Mr. Allen Day showed how backdrops are painted for the theatre. He created a scene for an eastern ballet with a fairy-like oasis in the distance. Brigadier Goffin, of the Salvation Army, gave us verbal snapshots of New Zealand and Holland, and Miss Renshaw showed us the route she took for her trip to England and the Continent and many of her purchases en route.

Mr. Collings gave us a talk on “Value” and Sister Kirk spoke on “Nursing as a Career.” We are looking forward to hearing more guest speakers at future assemblies.

SCHOOL EXCURSIONS

During the first half year the girls of Form 1 enjoyed a visit to the Museum and Art Gallery, where they were shown the new Ethnology exhibits and many articles dealt with in Social Studies.

Form 2 girls visited Supreme Hosiery Mills and Shetland Knitting Mills to see modern factories and new techniques in operation, while the Form 3 girls were shown a delightful array of knitted garments and told the life story of a skein of wool at Paton and Baldwin’s warehouse.
Girls who are considering teaching as a career were taken to Melbourne Teachers' College and to Deepdene State School to obtain further insight into conditions.

The whole school saw the public rehearsal of the Royal Display at the Melbourne Cricket Ground and later in the year they were shown the film “The Queen in Australia.” Groups also saw the film “Julius Caesar,” and the play, “A Midsummer Night’s Dream”, as well as the plays performed by Walter Wilkinson and his famous puppets.

SOCIAL COMMITTEE NOTES

This year we have had a great deal of pleasure in raising money for the various appeals. Money has been raised by means of sweet days, auction sales and form competitions. So far this year we have been able to send money to the Children’s Hospital, and we are going to send a donation to the Handicapped Children.

We are hoping to have the pleasure of the company of Mr. and Mrs. Tylee and Miss Thomsen at our end of term social.

BEVERLEY HOLT, Hon. Sec.

INTER SCHOOL CHRISTIAN FELLOWSHIP NOTES

During the past year, we have had an interesting and varied programme. Each week we have a bright time singing; then our leader, Miss Welch, brings us spiritual guidance. We have also had a number of guest speakers this year, all of whom were very stimulating.

Among the many activities of I.S.C.F. are the camps, which prove very popular. These are held during the May, September and Christmas holidays. ARE YOU COMING ? ? ?

BEVERLEY HOLT.
GWINETH BUTLER.

PREFECTS' NOTES

This year our prefects — six of whom come from the Dress-making Section and four from the Commercial School — have chosen a form each to supervise, which keeps them in closer touch with the girls.

Up to date we have not had a prefects' room, as we are still awaiting the arrival of the prefabricated cottages in John Street, when we will have one of the rooms for our own special use.

We would all like to thank Miss Thomsen very much for her help and guidance at our prefects’ meetings, and Miss Lobb, who also assists us.

Although we are busy we are very happy, and will be sad to leave the School where we have spent many enjoyable years.

ALTHEA DYER, Head Prefect.
There must have been more children praying for a fine day than farmers wanting rain on the day of the Royal Display. We reached the M.C.G. at 10.30 a.m. and while we were waiting, hundreds of children were performing items on the ground.

The Queen was due to arrive at 2.15. Three hours is usually not very long, but when you know the Queen is coming, it seems like centuries.

As we entered the ground, I think every girl had a look to the left ("Keep your head to the front," said the teacher) to see the Queen and the Duke of Edinburgh, who were sitting in the main stand. During the next 15 minutes, I kept my mind on my work, like every other of the 3,000 girls on the ground, for none could afford to go wrong — it would have spoilt the whole exercise. But apparently it did not go wrong, so I was told afterwards.

The marching from entry to exit was superb, and the loveliness of massed colours marching, countermarching of the long lines marking time, of star formations, of skipping and jumping movements, of arm swinging to waltz rhythm caused wild enthusiasm. Then off came the red and white sashes, in a wheel-like evolution, as they were held high overhead between extended arms. No one is likely to forget the return of the sashes to our waists with the knotting of them to the
roll of the drums and the perfectly simultaneous dropping of the hands at the final note from the band. No one, either, will forget the electrifying shout with which the items ended.

It had been a wonderful day and all the teachers, who had trained squads for months, were amply rewarded. We would especially like to thank Miss Lynch for all the help she gave us.

URSULA GINZ, Form 4b.

THE SCHOOL SONG

We’re the girls of Swinburne Junior School,
A place quite justly famed,
For it’s after one who founded it
That this our school is named.

Our life at school enriches us;
With friends we freely share
The joys and shadows of our youth
And our skills we can compare.

The badge of Swinburne is our pride,
We cherish it, and know
That it signifies a loyalty
Strengthened as we grow.

Before us shines our motto clear
As the years pass it’s the same—
Through diligence we daily strive
Understanding is our aim.

B.L.

WILD VIOLETS

Little wild violets purple and white,
Shy like the stars, hide from the light.
Dear little violets hang their sweet heads,
Hang them low where nobody treads.
Tell me sweet violet, why you hang your sweet head
So low towards the earth’s mossy bed.

ELIZABETH DAVEY, Form 3B.

THE POPPY

Sophisticated red poppy swaying in the breeze,
Curtsying and dancing in your gown of red leaves!
Oh, poppy dancing among the sweet corn
Is a sight which our soldiers shall never scorn.

MAREE CHILDS, 3B.
GREEDY ELLEN
Greedy Ellen is her name,
Eating food is her fame,
Down her throat she can cram,
Any apple, jelly or jam,
She would eat her lunch in school
And over lollies she does drool.
Alas! she came to a terrible fate
By eating cake at a terrific rate.
As she lay there sadly moaning,
We could hear her mother phoning.
When Doctor came he said, “No hope,
With her I cannot cope.”
As a warning don’t be too greedy
Or your fate will be as speedy.

ANNE HART, Form 2A.

A SHIP’S FAREWELL
The rushing feet, the clanging bells
People bidding last farewells —
Streamers flying everywhere,
Excitement seems to fill the air.
While rushing round with springing paces
Stewards carry bulging cases.
The funnel gives a deafening blast
Telling all to get on fast.
Then at last when all is ready
Everybody is quite steady —
The ship then gives her final blast
Telling all she’s going at last.

B. PATERSON.

THE PUPPET SHOW
On the afternoon of April 28th, many of us went to the Hawthorn Town Hall to see Mr. Walter Wilkinson’s Puppet Theatre presented by Joan and Betty Rayner of the Australian Children’s Theatre. This proved to be a very enjoyable afternoon. Mr. Wilkinson studied the art of hand puppetry in Italy and carves the heads of his puppets and designs the costumes and scenery for his shows. He is now on a six months’ tour of New South Wales and Victoria and has brought much joy to thousands of school children.

Mr. Wilkinson showed us how his puppets worked and then began the show. His little puppets played for us: John and Martha, Thersytes, Two Clowns, Cats, and Keys of Canterbury — five de-
lightful little items in which they danced, clowned and sang. The item which stole the interest of all of us was that in which the puppets brought out a model stage and worked tiny dancing marionettes.

We enjoyed the afternoon so much that we decided to form a puppet club of our own, and one day soon we hope to be able to present a puppet show too.

LORRAINE COUTTS, Form 2A.

A TRIP TO HEALESVILLE

One sunny day we set off for the hills. We were an unusual sight with heads, legs, arms, etc., poking out from various windows of the car.

On arriving we set off for a walk through dense undergrowth. After trespassing through Mrs. Gavan-Duffy’s paddock and making as much noise as possible, we found ourselves on a golf course. We literally tumbled down the hill ending in a merry heap at the bottom.

After lunch, when the dishes were about to be done, we disappeared to ride the horses. Then, after giving an excellent show of horsemanship, one of our company gracefully slipped off into the creek. We then decided bikes are more trustworthy than horses. We rode to a wider part of the Badger Creek. Some mischievous young lady, after splashing us, found herself sitting in the creek. From there we went to the Healesville Sanctuary. After climbing in through the fence we were confronted by a ferocious looking emu. A pleasant dingo was howling to himself behind a fence. We then returned home to the farm. On the journey back to Melbourne the car horn stuck, and after much merriment the noise was cut off.

We arrived home safe and sound after a day of thrills, spills and much laughter.

BETH PRETTY.
ERICA PIGOTT.
LEONIE THORPE.
PAT LYNCH.

RECIPE FOR DETENTION CAKE
(This recipe will give you a lot of fun to make).

INGREDIENTS:
1 class-full of naughty girls.
1 teacher (in an order-mark-giving-mood).
1 bottle of ink (without a lid).
2 forgotten books.
A few talks and giggles will add to the flavour.
METHOD:
March in noisily and take your seat, talking loudly (order mark 1).
Sit down with a jerk and spill ink, taking care to make as much mess as possible when wiping up. (Order mark 2).
When finished, turn around to your neighbour and have a chat (don't forget to add a few giggles). Detention.
Now let simmer in Y5 for 1/2 an hour, add 100 lines and you have a detention cake.

B. PATERSON, Form 3.
The Open Door

BOYS' JUNIOR SCHOOL

PREFECTS' NOTES

For the first time in three years Prefects have been installed in the Boys' Junior School. We would like to thank Mr. Lascelles for the great assistance he has given us throughout the year. Our thanks also go to Mr. Cavill and to the rest of the staff for their co-operation.

So far the boys have kept us busy, and we have no doubts whatsoever that they will continue to do so during the remainder of the year.

Prefects for this year are: L. Elms, K. Ashdown, T. Brown, B. Cleveland, B. Nicholls, D. Stanisich, R. Worcester. My thanks go to a very efficient group of boys who have done much to alleviate some of the arduous duties of the staff.

L. ELMS.

Prefects for this year are: L. Elms, K. Ashdown, T. Brown, B. Cleveland, B. Nicholls, D. Stanisich, R. Worcester. My thanks go to a very efficient group of boys who have done much to alleviate some of the arduous duties of the staff.

E. LASCELLES.

HOUSE NOTES

HENTY HOUSE

Henty House has had hard luck in the house sports this year. In the Swimming Carnival at Glenferrie we were just defeated by Flinders, who won by a photo finish in the last race. However, Alf Milne and John Donohue, as well as Bruce Lee, should be congratulated on their fine performances (Alf and John swimming, and Bruce diving). These three lads made the school swimming team at Olympic Pool this year.

John Bird, our vice-captain, is captain of the hockey team; we are also represented by J. Layton, B. McLaughlin, G. Besnard, R. Gully and N. Evans in this team.

Bruce Lee is a prominent figure in the school baseball team; this is the team's first year and they are doing well against stronger opposition.

Just lately Marcus John has made the Victorian under 14 football team — a creditable performance — and so he is a great asset.
Boys' Junior School

to the House. Our House first football team is not very strong this year, but are good triers, under their captain Austin.

R. Dean, J. Henderson, J. Brown, E. Smith and R. Steiner represent us in the school football team.

Also we have representatives in the school soccer team.

We feel sure that we will win the athletics sports this year with our prominent runners. The lacrosse teams comprise some of Henty's boys also.

I would like, on behalf of the Henty boys, to thank our House Masters, Mr. Ingram and Mr. Murray, for their interest in the House activities.

K. F. OLVER, Captain.
J. BIRD, Vice-Captain.

FLINDERS HOUSE

Determined to improve on last year's showing, Flinders made a promising start by carrying off the swimming shield, after a very close and exciting contest. Outstanding performers were I. Dennehy and D. Williamson, although the full team contributed to the win. The house cricket team (under the captaincy of B. Cleveland) performed very well, as only one game was lost. The football team is also doing very well and is on top at the present. We also have two prefects in the person of B. Cleveland and B. Nicholls. Flinders is also well represented in school teams as can be seen below:

**Football:** Roach, Hay, Huckerby, Whetton, Chaplin, Williams and Nicholls (captain).

**Baseball:** Major (vice-captain), Blythe, J. Morrison, Ling.

**Soccer:** Jones, Maier (captain).

**Hockey:** Govett, Evans.

**Lacrosse:** Bassett (captain), Willoughby, Dean, Melville.

**Cricket:** Roach.

**Swimming:** Major, Williamson, Dennehy and Nicholls (capt.).

We would like to thank Mr. Lascelles and Mr. Barber for the excellent job they have done in controlling the boys and giving them help whenever needed. At the moment Flinders is second in the house competition, but we are confident that after the athletic sports we will be on top and will stay there for the rest of the year to become "cock" house for 1954.

B. NICHOLLS, House Captain.
B. CLEVELAND, Vice-Captain.

BATMAN HOUSE

This year it seems we shall have the honour of being "cock" house for the second year in succession. We are well represented in school football, cricket, soccer, hockey and swimming.
Mr. Johnston is again our House Master, capably assisted by Mr. Maskiell and Mr. Braunstein.

At the moment we are the leading house and with the athletics and cricket still to come we hope to be the champion house for 1954.

E. BRUDENELL.

COLLINS HOUSE

We started the year fairly well by doing well in the cricket and our cricket team drew for third place. The football team has had little success, and our position on the shield ladder is not very good, but all the boys are determined to rectify the position by doing well in the coming athletics and cricket season.

We are proud to say that we have contributed more boys to school teams than any other house. They are:

First XI: J. Smith, G. Burleigh, J. Semmens, S. Richardson (capt.).
Lacrosse: R. Creelman, R. Dinsdale.
Baseball: M. Davey (capt.), J. Semmens.
Hockey: R. Gully.

We would also like to bring to your notice that John Peck, now playing League football, is a Collins boy of two years ago. We thank Mr. Watson and Mr. Cant for their help throughout the year.

STUART RICHARDSON, House Captain.

SPORTS NOTES

Swimming—

The Inter-House Swimming Carnival was held at Hawthorn Baths on Wednesday, March 10th. The contest proved to be one of the most exciting for years, Flinders winning by the narrow margin of 3 points from Henty, and Collins and Batman drawing for third place.

Final Scores: Flinders, 77; Henty, 74; Batman and Collins, 64½.

The Inter-Technical Annual Swimming Carnival was held at the Olympic Pool on March 23rd. The Swinburne team gave a very good account of itself, but did not win the shield, this honour going to Sandringham. One of the highlights of the contest was the winning of the open relay race by our team.

This year the Junior School combined with the Senior School, and visited Scotch College, to compete in an inter-triangular swimming contest between Scotch, Melbourne High, and Swinburne. We
did not win very many events, but it was a great experience for the boys.

**Coaching**—

I would like to thank the teachers who have acted as coaches during the year. The unselfish enthusiasm of these men is greatly appreciated by the Sports Master, and the members of the teams. Thanks are due to these teachers:

- **Cricket.**—Mr. Baxter.
- **Tennis.**—Mr. Murray.
- **Swimming, Athletics and Second Eighteen.**—Mr. Letcher.
- **First Eighteen.**—Mr. Ingram.
- **Under 14 Eighteen.**—Mr. Tate.
The Open Door

Baseball.—Mr. Deal. Soccer.—Mr. Johnston.
Lacrosse.—Mr. Meldrum.

Athletics —

Last October, the school, or a large percentage of it, visited Geelong for the Inter-Technical School Athletic Sports. We thought we had a good team, but for some unaccountable reason, it failed to produce its best form on that day. This year the sports will be held at Glenferrie Oval, so we hope to perform better “on our own ground.”

Thanks are due to the Hawthorn City Council for the use of the baths for the Swimming Carnival, also for the use of the various parks and grounds on Wednesday afternoons.

C. H. McKenzie.

FOOTBALL 1st XVIII

Compared with previous years, this year’s football team was very small, but we have had remarkable success. Before the competition started we won several practice matches against technical schools, and were defeated by Wesley. In the actual competition, Swinburne won its section defeating Box Hill, Oakleigh and Richmond, and losing only to Oakleigh in a return game. The match at Caulfield — a semi-final — was very exciting, the final result causing a dispute on scores. Swinburne won the replay, and went on to defeat Preston in the grand final, thus becoming premiers, the scores being 11.6 to 8.9.
Some of the best players this season were: Richardson, Brudennell, Whetton, Nicholls, Hailey, Steiner, Dean, Hay, Brown, and Worcester. Steiner, our centre player, was selected in a Victorian team which played before a Hawthorn-Collingwood match at Glenferrie.

One day Mr. Ingram aroused the interest of all players by offering two picture tickets for the best player on the ground against Richmond. Roger Dean won the prizes, but sold them to John Smith, who took his mother. Of interest too, has been the invitation for some boys to train with Hawthorn down at Glenferrie Oval.

Our sincere thanks go to Mr. Ingram for the interest shown in the team, though we think the excitement he showed during tense moments must have left him in a low nervous condition next day.

UNDER 14 NOTES

All the members of the under 14 football team would like to thank Mr. Tate for helping them through the season.

This year we did not have a very successful season, but we still managed to win a few games.

Two of our best players, John and Sedgman, have been selected with the twenty-five Victorian boys who will represent Victoria at the All Australian under 14 football carnival in Sydney.

D. BUCK, Captain.
P. THOMPSON, Vice-Captain.

LACROSSE

This season the team did not have very much success. It was comprised mostly of boys who had never played the game before. With a little experience they grasped the idea of the game very well. The boys who were experienced helped the new ones along and brought out a new champion in Ray Stewart. When we played Caulfield the score was 9 goals each, and so we had to play them again, this time bringing victory, 9 goals to 7.

So far this season we have been defeated by U.H.S., M.H.S. and Box Hill H.S.

We hope for a better season next year.

BRIAN WILLOUGHBY.

BASEBALL

The team played two games against each of the following schools: Caulfield, Richmond, Brighton, Oakleigh and Box Hill. This was the team’s first year in the competition. A further disadvantage was that three boys only had had experience with baseball technique. Though the team did not win a match, no one was discouraged, as the experience gained will be valuable in the future. Also, the games played were very enjoyable. M. Davey (captain) and B. Lee (vice-captain) gave the team good service, while valuable help
and encouragement came from our coaches, Mr. Deal and Mr. Donohue.

HOCKEY

A very inexperienced team was fielded this year, partly owing to the difficulty in finding a coach. Thanks are due to those who played with the team and to the teachers who made the matches possible. Although we had no victories, the games afforded much experience and were well enjoyed.

They will not ask you "Win or Lose?" but "How you played the game?"

JOHN BIRD.

DARRELL STANISCH.

SOCCER

After the success that the Soccer team achieved last year, the present season has been disappointing. Only one boy who had been a regular member of the 1953 side, Maier, returned to school in February, so that a new eleven had to be built. As a result the players took some time to settle down and were unfortunate that the first game was against Footscray, the eventual premiers, who defeated us 4-0. The only points gained this season were against South Melbourne, Collingwood and Preston.

However, the team continued to persevere in spite of set backs and displayed creditable fighting spirit. Maier at centre half was always a tower of strength; Trotter, a convert from Aussie Rules, did well in goal. Beadle and Farley, newcomers from England, added strength to the forward line, where Jones was a speedy winger. The two full backs, Bilton and Clear, were steady, without being brilliant. The most improved player in the side was Seymour, especially after being moved to right half. Other boys to figure in the team were Lane, Strong and McFadzean.

During the season we were favoured by two visits from Mr. L. Young, the coach for the Victorian Soccer Association. His suggestions and advice were greatly appreciated by all who heard him. Thanks are also due to the Victorian Referees' Association, which sent along its members to take charge of our matches.

CRICKET

At the end of the 1953 season the school 1st eleven played the staff and had an easy win. The game was played on the Hawthorn Oval. Roy Harvey captained our side and we went in to bat first on a hard and true wicket. The staff used a very mixed attack and were 7 for 69, when Roy Harvey and Arthur Moule made a stand and took the score to 111 before Moule lost his wicket to Ward. Our innings finished at 141, when Semmons was very smartly stumped by Mr. McKenzie. Best bowling for the staff, Mr. Marshall, 3 for 25; and Mr. Lovitt, 2 for 22.
During the lunch break rain fell and the staff went in to bat on a sticky wicket. Mr. Watson and Mr. Lovitt opened and stayed there until Lovitt spoonsed a catch to Roach at silly mid-on. The wicket was very lively and the incoming batsmen, Ward and Cant, could not handle the fast rising balls, and were both dismissed without addition to the score.

Mr. Watson hit a sound 45, in which his hooking was a delight to watch. Some very good spin bowling by Moule had the staff
baffled and they were all out for 77. Bowling for us was, Moule 4 for 7, and Richardson 4 for 27.

The team opened the 1954 season under the management of Mr. Baxter, and a very young side represented the school in the first match against Ooakleigh. We started off quite well with 101 in the first innings, because of useful batting by Brudenell and Morrow. But bowling let us down and Oakleigh made 7 for 190, but they may not have won so easily had Richardson put the spin attack of McIvor and Semmons on earlier.

We were beaten in the next two matches, but experience was gained by younger players and we hope to do much better in the coming season. Best performances of the year were, John Roach's 62 not out, Eric Brudenell's 30, Ron Steiner's 38 and McIvor's 5 for 35, and his figures for three games were, 12 wickets for 129 runs, at an average of 10.8.

STUART RICHARDSON, Capt.
ERIC BRUDENELL, Vice-Capt.

MODEL AEROPLANE CLUB

With John Bird as president; Gordon Jacob, secretary, and Ronald Hose, treasurer, our club has had a successful year. As the Air Force has long encouraged model airplane activities for its personnel, we feel the hobby is a worthy one. Of course, builders are wont to subsist on a spartan diet of pies, pasties, balsa dust and glue, and to come to school Monday mornings showing the after effects of the week-end, but we feel it is worthwhile. Graeme Cunningham, Ian Gault, Jim Lawrence and Barry Jupp have built fine model planes. John Pill's and Ronald Hose's efforts are exhibition class, while John Bird, Bruce McLaughlin and Graham Thompson showed what could be done with rubber motors.

During the year the club gathered a fine library of model books and plans. To the many disappointed boys wishing to join our club we can only offer hopes for next year, when facilities and opportunities will be greater.

CHESS CLUB

The Chess Club was formed this year by Mr. Cavill with the help of Mr. Barber. With the donation of four chess sets by Mr. Cavill, the chess club was soon on its way. The club members were given the liberty of room 13 in which they could pass an entertaining lunch hour, playing chess.

Soon after the Chess Club had to move to room 3, room 13 being taken by the prefects.

The Chess Club’s champion, P. Heisler, is quite proud of himself, as he has beaten Mr. Barber once, but we always remind him of the day when Mr. Cavill check mated him in four minutes.

The Chess Club is composed of about twenty optimistic boys,
Boys' Junior School

MR. CAVILL VISITS THE CHESS CLUB

who all hope to be chess champions one day. The Chess Club members would particularly like to thank Mr. Barber for the help he gave us during the year, and also Mr. Cavill for the donation of the chess sets.

A. SCHNELLER, 3.A.

CAMERA CLUB

CAMERA CLUB

Under the aegis of Mr. Tylee our club continues to prosper. We still meet regularly in our room and discuss photography and its many technical problems. No excursions were undertaken this
year, but we have all gained in knowledge and have had a happy
time. Our representatives have attended many school functions to
record topical and outstanding episodes. J. McKENZIE.

JUDO CLUB

Early this year a judo demonstration was given by two judo
experts in the social hall at lunch time.

Mr. Cox and his partners gave exhibitions of throwing, falling
and self defence.

Mr. Cox told us about the different standards of judo, and for
each there is a different coloured sash.

About fifteen to twenty boys now learn judo from Mr. Cox.
These boys meet in the hall every Monday at lunch-time.

RADIO CLUB

Thanks to Mr. Honner we have now got the club on its feet
again. We have had a few generous offers, so we are in possession
of some radios to experiment with. Up to date we have had no
explosions, but plenty of electric shocks. So now we are working
earnestly trying to beat Thomas A. Edison, who invented the phono­
graph and electric light globe. We are only beginners, but within
a few years we may be on television. D. CORNELL.

DANCING

Dancing lessons were started at the school this year with Mr.
Pullen as our instructor. He has just come from England with the
latest ideas. We have just about learned all the basic steps for most
of the dances, after 12 lessons of 2 hours each Monday after school.
But we would like more girls to come because now there are less
girls than boys. This makes it rather a rush for partners. There
has only been one social so far this year, but we are hoping there
will be more before the end of the year. V. PLATO.

EXCURSIONS

VISIT TO A SKI MANUFACTURER

Mr. Letcher early in the year took a group of boys to a ski
manufacturer in Malvern.

After various boys had been financed by Mr. Letcher, all arrived
safely. Mr. Smart conducted us over the factory from the simple
blocks of Mountain Ash to the finished gleaming skis waiting for the
snow. We now know more about the making of skis and some of us
want to try our luck on the snow. Thank you, Mr. Letcher, for a
pleasant outing. ANON.
TOWN PLANNING EXHIBITION

Mr. Barber arranged for us to visit the Town Planning Exhibition at the National Gallery. This was an important part of our education.

A most enjoyable part of the excursion was the bus ride, as many will remember. When we arrived, we firstly passed through a large hall-way of which on either side were small room-like compartments. The walls of these rooms were covered with interesting maps, photos, drawings, and important facts. At the end of the hall-way was a circular room set out in very much the same manner. The room was fairly large, and in the centre was an excellent model of the future Melbourne. It was set out in fine detail, with many name tags to simplify it.

PROPOSED ST. KILDA JUNCTION ROUND-A-BOUT

It was here where we were lectured by a Town Planning authority. After an interesting talk we took notes for school. There was also a good model of a modern road system.

Soon after we returned to the buses for another “quiet” orderly ride back to school.

ALEC SHIFFRON, 3C.

TRIP TO TIMBER TOP

On our trip to Timber Top, the new school which is being built by Geelong Grammar School, we saw many interesting sights, includ-
The Open Door

ing the Maroondah Dam. We stopped for a run down to the wall, as we needed to stretch our legs.

On arrival at Timber Top we were greeted by one of the masters of the school, who took us to the swimming pool, where he gave us a summary of the school. It was here that we met the five guides, the boys who showed us around the site.

The school was large and spacious with plenty of timber for shade. The pool had a pier, with a diving board on it. The swimming space was about 12 yards by 25 yards, and was refreshing to all who swam in it.

The boys' living quarters were a group of modern 12 person dormitories, with dormitory living-room, bathroom, and furnace room (for hot water). The dining-room was a separate building, containing kitchen and dining space. The class-rooms, which were not completed at the time of our visit, were similar in appearance to the other buildings. In the meantime, marquees were being used.

There is only one private house at Timber Top, and it is the residence of one of the masters.

Electricity is obtained from their own power plant, which gives ample supply to the school. All these buildings are set apart, giving the school a clean, tidy and open appearance.

These boys grow their own vegetables in a large, well-kept garden. The boys also built most of the school, with aid from the workmen who do the hard bits.

Over the week-ends the boys go away, in twos and threes camping where they please. To do so they must give full information to the master-in-charge.

Different boys are allotted each year from Geelong to go to this school, to learn to live on their own, to learn to do things by themselves and to be self-reliant.

After seeing and hearing these things, we started the long journey home. RUSSELL GAY, 2M.

LUNCH-TIME TALKS IN SOCIAL HALL

ARCHITECTURE

Earlier this year we were most fortunate in hearing an interesting and entertaining talk by Mr. Roy Grounds, a leading Australian architect. You may recall Mr. Grounds was responsible for the Round House on Wheeler's Hill, Frankston, the Triangular House in Studley Avenue, Kew, amongst many other modern houses and now lives in a "partly round" in Hill Street, Toorak.

ROWING

Mr. Geoff Hayes, a senior student of the Senior School and a member of the Richmond Rowing Club, gave us a detailed talk on
rowing technique. We hope students of both junior and senior schools will respond to his appeal to join up with his club and enjoy this exhilarating sport on the river.

**SKI-ING**

Mr. Brewer, of the Senior School staff, a ski-ing enthusiast, gave us a very enjoyable talk and slides on ski-ing and showed us
the gear required. As an outcome of this talk, in order to further our knowledge on ski-ing requirements, some junior boys during Physical Education time visited a ski factory in Malvern.

It was planned to use skis on a proposed trip to Mt. Buffalo, Bright, etc., but up to the present date of writing there have been insufficient “starters” to meet the camp quota requirements of 32.

We note that Mr. Brewer and a Senior School party went to Mt. Buller and hope before long that boys of the Junior School Ski Club will have the same opportunity. R. LETCHER.

FORM NOTES

4A

There are twenty-two of us. Artists of the form, Shaw and Steel, often adorn the boards before the teacher’s arrival. Jones, owing to his playing of table-tennis at recess, has had several interviews with Mr. Cavill. We get on well with our Maths Master, Mr. Burr, whose constant remarks are: “Watch your setting out” and “Equal signs under one another.”

On Wednesdays, we are proud to say, the school teams “swallow” our boys. Our two prefects, Elms and Brown, are a great asset to the social manners of the form.

Finally we wish to extend thanks to Mr. Barber for his extensive interest in our work throughout the year.

K. OLVER, Captain.
A. G. BIRKETT, Vice-Captain.

4B

We are well represented in school teams, and show our sense of responsibility by suppressing many minor squabbles among junior boys. Our chief hobbies are radio and electronics.

Our thanks go to Mr. Barber for an enjoyable English course with many humorous incidents, also to Mr. Watson and Mr. Niemann for their keen interest. D. STANISICH, Captain.

4C

Our form consists of 14 boys. We all seem to have different ways to pass the time at school. Lloyd Cleveland and Hare are most of the time out in John Street looking over all the motor-bikes. Around the quadrangle Comedow and Staley are picking at each other all the time. Monday morning in the science room Austin and Cleveland are arguing football nearly all the period. Neil sometimes gets a word in also. Bail, Staley, Comedow and Seller are supposed to be the best wood-workers at the school. Whilst those four are hammering nails, Lloyd, Cleveland, Bird and Hare go up to the art school.

Comedow seems to be the brains of the form, while Peach is the boy who tries the hardest. A few of our boys belong to school teams.
On behalf of the boys, I would like to thank Mr. Clarke for assistance throughout the year. BRIAN CLEVELAND, Captain 
BRUCE LEE, Vice-Captain

3A

Smith, Veitch, Whetton and Waters are keen on football, and the rest of us have a kink one way or another. McLaughlin of the aero-club will soon take wings and fly. Mr. Lascelles, who teaches us sheet metal under difficult conditions, has fears for our sanity. "I pity the poor teachers who have to instruct you in a subject requiring brains," he says. Still, remembering the example of Winston Churchill, we are not discouraged, and hope to do well in our final exams. Finally, you would never guess which two boys are taking ballroom dancing lessons.

3B

Form 3B, the top section of Third Year, according to us, has a varied collection of boys for its members. From big lanky Gully, the Gardener, to little Hose, the Angel.

We are very honoured to have in our presence a great statistician, Hayball, who is very interested in all kinds of figures.

John McGowan and John Lawry are for ever arguing about their respective futures. We never get any peace, as they are continually asking our opinions. McGowan wants to be a farmer, Lawry a chemist. Even teachers don't escape their questioning about which is the better.

We would like to thank Mr. Murray for his help through the year. We all did quite well in the Half Year Exam and hope to do even better in the final exam. R. BAKER, Captain 
J. HOPKINSON, Vice-Captain

3C, D, E. F. G. H. J.

At a meeting lasting half an hour in a nearby park, it was decided by the above forms that the writing of form notes would take up too much valuable time, and that our school work must come first. Other motions were being prepared when it was discovered that the third period was already over. However, this is the reason why when you read under our space you will read absolutely nothing at all.

2A

Form 2A, which is the brains of the second year, is composed of twenty-four hard working fellows. Through the good advice of our form master, Mr. Lascelles, and the co-operation of the form, we have all managed to get a pass average. On behalf of the form, I would like to thank all subject teachers we have had this year, for
the fine job they have done in trying to teach us something of the second form work. Special mention should be made of Preston's supreme effort in coming top of form two, with an average of 80.5.

We are also represented at sport, Worlley playing with the first eighteen, and Brownhill, Skinner, Wilkinson, in the Under Fourteen
team, so everybody can see that form 2A is a decent group of fellows, and we hope next year we may be able to call ourselves 3A.

R. WILKINSON, Captain.
C. BROWNHILL, Vice-Captain.

2B

Everybody in the form has done well in the half-yearly exam, and we think we shall all gain places in form three. This fact is due mainly to the help we have received from our teachers.

A few of the boys represent the form in school teams. John Cope, Michael "Fuzzy" Forsyth, Trevor Dudgeon, Jim McFarland and Graeme Simon have played matches with the under fourteen football team, and Vic Beames is goal-keeper for the school lacrosse team.

CLIFF BOWMAN, Captain.
VIC BEAMES, Vice-Captain.

2C, D, E, R.

I have been appointed at a secret meeting of the above forms to say that while we do not consider form notes a waste of time, they are, nevertheless, quite unnecessary.

We all love our teachers; they love everyone of us. We never misbehave, are gentle and kind and find school work ridiculously easy. It is a happy existence here; there are many jobs available later on, and the holidays are near.

Please do not print my name, my average last term being 36% and my parents under the impression that report books went out two years ago, but the other boys threw wood-shavings in my face, burnt me with magnifying glasses and tied my hands and feet with wild elephant rope while they made me write this. X.Y.Z.

2M

Here we are, Form 2M
Twenty-four most brainy (?) men:
We've skinny, fat — all sorts of blokes—
And several kids who crack poor jokes.
Our modest Captain, Lanky Fletcher,
Is nearly as tall as Mr. Letcher.
The very small of our platoon
We hope will grow much bigger soon;
But Mariner, our musical friend,
Won't stop singing till the end.
Our form has oh so many dopes,
But everyone has modest hopes.

H. HOERSCH, 2M.

1AB

We are the brainy boys of the first year, but it is said we haven't learned to use our brains. School is just about the same here as
elsewhere, except that there's more of it in many more different places.

The great event of the year was the arrival of the "mystery teacher." We had visions of someone in a hood, and a pistol in each hand, but it turned out to be a lady who had met small boys before. We had to put covers on our books, but, if other boys say we bring Miss Lobb flowers the matter will be put in the hands of our lawyers.

Next year we will no longer be miserable juniors, but real Swinburne students and then our hidden powers will amaze those who teach us.

1CD

We are the happiest boys at Swinburne, and have good times with all our teachers, who are the most patient we have met. Though some of the subjects are hard, there is always a boy who can work out the answers to the problems. Our aims are many, and a Gallup Poll suggests our futures as follows: atomic scientists (20), butchers (2), artists (1), feather duster manufacturers (6), carpenters (2), broadcasters (5), dog catchers (2), aeronautical engineers (2), diamond valuers (2), "hot-dog" sellers (2), and sausage machine cleaners (2). We showed the poll to our teacher, and he said it was right, but the figures might be wrong.

PEOPLE FROM MANY LANDS

In Swinburne we are fortunate to have representatives from all over the globe. Some boys came to Australia because the Communists were invading their country. Others because their country was poor and they wanted to start again in a new land. At school we have boys from England, Scotland, Ceylon, Latvia, Hungary, China and France. Some members of staff come from other lands also. Mr. Cavill, Mr. Johnstone and Mr. Baxter come from England, Mr. Clark and Mr. Ferrier from Scotland, Mr. Tylee from New Zealand and Mr. Braunstein from Egypt. Most boys who are from other countries learn English quickly and are good at school work. The top boy in Form 3 at the half year came from overseas. We are happy to be in this new land and to make a fresh start.

P. HEISLER.

FIRE

The shrieks of women rang out over the sound of falling roofs. The walls of the theatre trembled as the showers of ashes increased. Amidst groans, oaths, and prayers, could be heard the roaring of the scorching flames, as the theatre shook and creaked with the increasing heat of the fire. Suddenly the shattering clang of a bell announced that a fire brigade was on the job. Quickly they sent powerful streams of water hissing into the dull dying red of the fire. Many a mighty splash of water quelled a burning staircase. People were being dragged out of the theatre as the lurid glow decreased.
The Open Door

Slowly but surely the noise and flames abated and the people began to clear away the ash and rubble. C. BOWMAN, 2B.

THE POWER OF WORDS

A small boy stood trembling on the door step of the outer office of a certain gentleman. As he waited he was silently making a promise, never to break school rules again.

He continued in this state of agitated suspense for five minutes, when slowly the door of that great and sacred place opened, and through the occasional wisps of cigarette smoke which lingered within, a chuckling teacher came, and muttered a brief, "Go in now" and walked on.

In the boy went. Slowly his eyes became used to his surroundings; and then he saw the head and shoulders of a man.

A second boy waiting outside this awful room heard the voice of authority. This seemed to keep up for hours. Finally, there emerged a boy, physically whole, clothed as before, and only different in that his legs were no longer perpendicular. "Nothing happened," he told his friends; but they noticed he was a changed boy, as though he had lived through the French and Industrial revolutions in one night.

Those people who aim to remove punishment from schools should ponder this account; let them study the power of words, a field for deep research and immediate reforms. W. A. LILLEY.

PAINTERS IN THE SCHOOL

There's paint splashing everywhere,
There's an odour in the air.
There's people banging on the walls,
And plaster in your hair.

All the floorboards now are coming up,
The dirt it smothers all.
We try to work, but all in vain,
Paint's even in the Hall.

The paint is here, the paint is there,
It's even on the door.
And as we try to do our maths,
They're telling jokes galore.

And yet with all our troubles,
We still work with a smile,
But seeing how we've suffered,
Let's hope it's all worthwhile.

R. WORCESTER.