

M.P. Swann.

**JAMES RUSE
AGRICULTURAL
HIGH SCHOOL**



**1961
YEAR BOOK**

Vol. 1.

CARLINGFORD, 1961

No. 3.

SCHOOL DIRECTORY

School Address: Baker Street, Carlingford — Phone: YY 3126.

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Careers Advisor: Mr. B. E. Berry, B.A.

Master of Prefects: Mr. J. E. Littler, B.A.

School Treasurer: Mr. T. J. Grogan.

Canteen Manager: Mr. J. T. Simmons.

School Secretary: Mrs. A. Schofield.

Visiting Clergy: Rev. R. A. Bell (Methodist); Rev. K. Howard (Methodist); Rev. D. Mill (Baptist); Rev. T. M. Prisk (Presbyterian); Rev. B. Richardson (Church of England).

School Captain: Alan Bell.

Vice-Captain: Richard Henry.

Prefects: Ian Brothers, Anthony Brownhill, David Cadwallader, Ian Fowler, Ian Herford, Curtis Hill, John Hoskin, Peter Jones, John Kazis, Ray Stanford, Kevin Swann, Anthony Wolfendale.

Transport Prefects: Chris Beard, Barry Denis, Uldis Dzintars, Allan Gillespie, Michael Golgerth, Dennis Loughhead, Adrian Lynch, Colin Mew, Michael Morrison, Ross Patane, Geoff Peattie, Edward Roche, David Sandoe, Bruce Scott.

Class Captains and Vice Captains: 5th Year: C. R. Hill, D. F. Cadwallader; 4A: M. Bailey, J. Hobby; 4B: J. Schofield, P. Schmaltz; 3A: J. G. Delaney, P. Polack; 3B: T. J. Hughes, R. B. Armstrong; 3C: R. J. Westaway, J. Frampton; 2A: R. M. Tobin, D. C. Arrow-smith; 2B: J. Miles, J. Brogan; 2C: P. R. Warner, J. W. Mack; 1A: M. Hill, J. Tunnicliff; 1B: D. Strothers, N. Shorrocks.

Year Book: Mrs. Lino, Miss Peterson, Mr. Berry.

PRINCIPAL'S MESSAGE



Mr. J. C. HOSKIN

cattle, sheep and pig units. The planning necessary to complete this work is in hand and the whole project will be available for instruction early next year.

Sporting facilities have been further developed by the extensive top-dressing and fertilising of the oval, the laying down of a cricket pitch and the enclosing of the practice wicket. Further development is necessary, however, if we are to compete on even terms in our sporting zone which includes such schools as Hurlstone Agricultural, Parramatta, Macquarie, Fairfield and Liverpool Highs.

Even more important than material progress have been such notable landmarks as our entry into the K. R. Cramp debating competition, our first inter-school visit with Yanco High; our first ceremonial Cadet parade; the notable success of the farewell dinner dance to Fifth Year and our reaching full high school status.

Next year the school will be officially opened by the Minister for Education. This event will symbolise "the end of the beginning". James Ruse students assisted by the staff and parents must prove themselves worthy of the establishment that has been created for them. Higher levels of academic and sporting achievement must be attained, cultural and social opportunities must be increased.

By its very nature a school is a place in which mistakes are made and corrected. Mistakes made, however, should not be stupid ones nor should they be repeated. The more we do and the more we experiment, the more mistakes we shall make and the more we shall learn. I want James Ruse to be a school, dynamic in nature, where many things are tried in a search for what is best.

I believe this is the attitude with which we should approach 1962, a year which ushers in the Wyndham system of secondary education.

JAMES C. HOSKIN.

DEPUTY-PRINCIPAL'S MESSAGE



Mr. A. G. CAMERON

is a poor selfish individual who is prepared to receive everything and to give nothing in return.

Our first Fifth Year boys will feel that the present pupils have far greater opportunities than they ever had. However, I feel that the Fifth Year boys leaving school have given of their best for the school and made a worthwhile contribution towards its development and status. It behoves those who follow to build upon the sure foundations already laid and ever strive to enhance the reputation of the school. Boys must never forget that James Ruse is their school and what they are the school will be. Throughout your school days and in after life take time to appreciate the good things you get, the advantages you have and in all things strive to give of your very best. The following quotation aptly expresses that thought — "I expect to pass through this world but once. Any good therefore that I can do or any kindness that I can show to any fellow-creature, let me do it now. Let me not defer or neglect it, for I shall not pass this way again".

CAPTAIN'S MESSAGE

With the conclusion of the 1961 school year, James Ruse has produced its first Fifth Year. As it was for our namesake, the first year has presented many problems, but I believe, like him, the boys of the school at present are building up traditions that will lead to respect and prestige for our school.

This can only be done by genuine achievement as there are no short cuts to these. We, as the first Fifth Year, have laid a basis for tradition. We hope it will prove a worthy beginning. It has not been a giant step, but it has begun and it is the duty of the following year to uphold what is good in it and then add to it a little for the succeeding year to carry on.

The upholding and raising of tradition rests mainly with the Prefects and Fifth Year. They must set an example which will give inspiration to the younger boys. However, the junior mem-

bers of the school can play their part by realising that for a boy to be a good Prefect requires a tremendous sacrifice and for him to be successful in his job, requires the support which it is your duty to give.

We are endowed with a great gift: a mind capable of individual thought. Do not neglect it, letting it yield blindly to the opinions of others. It is much harder to go against a multitude than to go with it. Consider first what you believe to be the right thing and act in accordance with this. In doing so, however, do not let your opinion be so set that it cannot be corrected by superior wisdom and experience. The person who allows his actions to be guided by what the gang is doing is not using his mind at all.

In closing, I wish to thank on behalf of Fifth Year, the members of the staff, who have prepared us for our Leaving Certificate. To our Vice-Captain, Richard Henry, and Prefects, also go my thanks for their co-operation during the past year.

ALAN BELL.



Back row: Mr. MURRAY, Mr. BINGHAM, Mr. COVENEY, Mr. MOORE, Mr. DEVLIN, Mr. MILLS.
Centre row: Mr. PEARMAN, Mr. KENNEDY, Mr. MYERS, Mr. SIMMONDS, Mr. LITTLER, Mr. GROGAN.
Front row: Mrs. LIND, Mr. CAMERON (Deputy-Principal), Mr. HOSKIN (Principal), Mr. ANDERSON, Miss PEARSON, Mr. COLVIN, Mrs. McLACHLAN.

STAFF CHANGES, 1961

Departures from the staff at the beginning of 1961 were Mr. B. Thomas, who resigned to visit England and the Continent; Mr. J. Stockman, who transferred to Chatswood; Mr. J. Ward, to St. Marys; and Mr. I. Scott, to Epping Boys' High. A little later, Mr. Shearman left to go to Teachers' College, being succeeded as Librarian by Mrs. McLachlan.

New teachers on the staff this year were Mr. Mills, from Yanco; Mr. Murray, from Narrandera; Mr. Pearman, from Dept. of Agriculture; Mr. Rainsford, from Macquarie High; and, from South Africa, Mr. S. Schaiowitz, who left during the year to take up legal work. Mrs. M. Brink, also from South Africa, who succeeded him, left at end of second term for Alexander Mackie Teachers' College, being succeeded by Miss Peterson, back from England.

THE SCHOOL FARM

The School Farm now comprises six acres devoted to livestock and two acres under cultivation. The cultivated area is divided up into the following areas:

1. The Orchard.

This now consists of an established peach orchard comprising 35 Watts trees. The remainder of the orchard is made up of young trees:

Lemons: Lisbon, Eureka, Meyer.

Grapefruit: Wheeny, Marsh.

Mandarins: Elendale, Beauty, Emperor, Beauty of Glen Retreat.

Tangerine: Bowermans.

Lime: Tahitian.

Oranges: Parramatta, Groverly Navel, Mediterranean Sweet, Jaffa, Euloo Valencia, Late Valencia, Joppa, Washington Navel, Thompson's Navel, Seedless Valencia.

Nectarines: Cardinal, Johns River, Woolven's Early.

Pears: White Nelis, Packhams Triumph, Williams.

Quince: Master's Early.

Almonds: Braides, Chellaston.

Apples: Carrington Red, Gravenstein, Willie Sharp.

Apricots: Early Moorpark, Newcastle, Glengarry.

Figs: Blue Province, White Adriatic, White Genoa.

Mulberries: Black English, Hicks.

Persimmons: Dia Dia Maru, Fuyugki.

Plums: Angelina Burdett, Cherry, Blood or Satsuma, Santa

Rosa, Wickson, Wilson.

Peaches: Bells Improved, Bells November, Blackburn, Rennie, Carman, Edward VII.

Chestnut: Spanish.

We are indebted to Mr. Mills, Fruit Inspector attached to the Department of Agriculture, for the pruning demonstrations, and helpful advice offered during the year.

2. The Vegetable Section.

The majority of the vegetables grown are used in the school canteen. Crops grown during 1961 included lettuce, radish, tomatoes, beetroot, asparagus, rhubarb, beans and cucumbers.

3. Trial Plots.

These provided valuable instruction in observation and identification of plants of economic importance. Each separate plot measured 16' 6" x 8' 3" — 1/320 acre. Altogether 68 plots were sown with the following crops:

Pasture Legumes.

(a) Clovers — White New Zealand Certified (Mother Seed), White New Zealand Government Certified, White Ladino, Irrigation White, New Zealand Perennial Red, Imported European Red, Crimson, Crimson Dixie Reseeding, Strawberry, Berseem, Alsike, Lotus Major.

(b) Sub-Clovers — Dwalganup, Marrar, Yarloop, Clare, Mt. Barker, Bacchus Marsh, Tallarook.

(c) Medics — Black, Barrel, Barrel (strain 173 Certified).

Pasture Grasses.

(a) Rye Grasses — Italian, Wimmera, H.I., Perennial, Kangaroo Valley.

(b) Cocksfoot — 526 Strain, Danish, Akaroa Strain.

(c) Phalaris tuberosa.

(d) Ronpha Grass.

(e) Prairie Grass.

Cereals.

- (a) Oats — Belar, Algerian, Avon, Early Kherson, Fulghum, Fulmark.
- (b) Wheat — Bencubbin, Bordan, Ford, Koala, Olympic, Wingen.
- (c) Rye Corn — Black Winter.
- (d) Barley — Skinless and Cape.

Miscellaneous.

- (a) Mangolds — Yellow, Sugar Rose and Red.
- (b) Field Turnips — Purple Top Mammoth.
- (c) Swede Turnips — Champion Purple Top.
- (d) Chou Moulrier.
- (e) Rape — Dwarf Essex.
- (f) Kale — Thousand Headed.
- (g) Linseed.
- (h) Lupins — New Zealand Certified Borre Blue, New Zealand Blue.
- (i) Field Peas — Grey and Dun.
- (j) Tick Beans.
- (k) Centrosema pubescens.
- (l) Golden Tares.
- (m) Russian Comfrey.
- (n) Sugar Cane.

4. Commonwealth Cereal Rust Survey.

Again, this year the school participated in this survey conducted by the University of Sydney. Six different cereal types were grown and rust samples were collected for inspection by the University.

5. Field Crop.

The Lucerne sown in 1960 became well established this year and a haystack was formed from the winter cut and topped off with sheaves made from the cereals grown in the trial plots. In October, the crop was top-dressed with superphosphate and renovated. The recent addition of a 5' reciprocating mower to our stock of farm machinery has greatly facilitated the handling of this crop.

The Lucerne has been established with the primary aim of providing fodder for our livestock.

The remainder of the field crop section has been fallowed throughout the year with the object of reducing the weed seed population.

6. Arboretum.

The planting of this section was commenced during 1961 and it will eventually comprise a very interesting selection of trees of agricultural importance. Mr. S. T. Turner has very kindly donated many of these trees to the school, as well as providing many native shrubs for the school gardens.

The trees planted in the arboretum this year include Myall, Kurrajong, River Red Gum, Yellow Box, Red Cedar, Coachwood, Honey Locust, Blackwood, Broad-leaved Wattle, Woolly Butt, Tasmanian Blue Gum.

LIVESTOCK SECTION.

This part of the farm has now been divided with ringlock fencing into the following areas:—

1. Poultry and Pig Area.

Work has not yet been commenced on the Intensive Piggery. During 1961, the Poultry Unit was completed. It is an intensive unit which consists of an Egg Room, Feed Room and four separate deep litter compartments. The unit is now in full operation and the four separate pens house 30 White Leghorn, 30 Australorp, 30 White Leghorn x Australorp and 30 New Hampshire pullets.

Each pen is fitted out with modern appointments which include

a misting system, nipple water system, and a light operated by a time switch located in the Egg Room.

The adequately ventilated Egg Room is fitted out with a hot water unit, steel sink, plenty of cupboard space and a large observation window. The ultimate aim with this unit is to produce fertile eggs, and towards this end we have received two donations of Australorp Cocks, one donated by Mr. Coveney and the other being donated by Alan Douglas of 2A.

The birds have been dewormed with Piperabine and inoculated against Fowl Pox. When six months old they will be tested for Pullorum Disease as required by the Stock Diseases Act 1923-34. This testing will be carried out by the Cumberland District Veterinary Officer attached to the Department of Agriculture.

Our thanks are due to Mr. J. P. C. Smith, the District Livestock Officer (Poultry) and to Mr. A. Wotten for the helpful advice they have offered.

2. Cattle Area.

Two very fine dairy heifer calves have been donated to the school — a grade Friesian by Mr. J. Peel and a Pedigreed Jersey by the Murphy family.

3. Sheep Area.

This section is not yet stocked.

4. Apiary.

Six hives constitute this section.

An 8 frame observation hive has been built into the Biology room of the recently built classroom block. This hive will be stocked before the end of the year.

We are indebted to Mr. Clemson, Department of Agriculture Livestock Officer, for the advice and assistance he has given in regard to the School Apiary.

Machinery and Equipment.

New farm machinery and equipment acquired by the school during 1961 includes:—

- (a) Mitchell 5' Reciprocating Field Mower.
- (b) A 24" Clyde Scythe.
- (c) An all-steel 2 ton Dean Tip Trailer.
- (d) Two concrete drinking troughs for the cattle and sheep, and float valves for use with these.
- (e) An electric fence.
- (f) A Wool Press donated by Ajax Woodpresses Pty. Ltd.
- (g) A Wire Strainer and a Chain Wire Strainer donated by Donald Patents Ltd.

THE TRACTOR

Bert sat on the wide verandah that surrounded the house, and gazed out over the silent farm sheds at the undulating hills beyond, where the cows were slowly grazing undisturbed.

As the time was well after midday, the mourners had all departed, having many tasks to be completed before the day was over. Besides, the funeral had been several hours before, and they all realised they could not help young Jim's parents by staying any longer. Bert had thanked them all for attending, as they departed, and then had sat down on the back verandah to struggle with his thoughts.

He remembered how he had stood on this very spot and surveyed his new property, with his excited bride, who had never known country life, standing close beside him. She had insisted that the house be built on this spot, so she could always be able to look out and see her husband working in the fields.

Yes, that was ten years ago and when the house was finished,

two years later, Jim was born. How can Bert ever forget that memorable occasion when the cows went without milking for two days, and the poultry nearly died for want of feed and attention? The hospital was forty miles away, and Bert, being too anxious and worried to drive home that night, stayed there, sleeping on the floor of the waiting room. How he and Mary talked and made plans for their son, for weeks after. Now he realised how fruitless all their talk was, as nothing could possibly come of it now.

The remembrance that was uppermost in his mind was of an occasion that was vastly different from Jim's birth. In fact, it was Jim's death. How well he remembered, only two days ago, Jim's voice, eager to help him as he went about the farm work.

Bert was lifting the milk cans onto the trailer that would take them to the front gate when Jim, knowing his father would need the tractor, decided to help him. He tried to climb onto the tractor but slipped and dislodged the brake ratchet. Bert heard his son's cry and turned in time to see the tractor dash him to the ground and roll over him.

Bert, holding his dead son in his arms, looked down the slope to where the tractor had come to rest in an irrigation ditch, apparently undamaged.

Never, he sobbed, would he touch the rotten thing again. A kind neighbour had to drive it into the machine shed, as Bert vowed he would never do so.

As Bert tried to reason why this terrible thing had happened, he came to the conclusion that it was all his fault. Had he not brought Mary to the country from the city, where she had lived all her life, this would never have happened. Jim's death was a direct result of the farm, because he could never have gained access to a tractor in the city.

When the sun began to fade beyond the distant mountain, Bert rose almost instinctively and walked down to the machine shed as he would normally have driven the tractor down to the far pasture to stop the pump. He opened the door, but when he saw the tractor there, he seemed to become suddenly angry with himself. He slammed the door and stalked off in the direction of the far pasture. After walking the distance to the far pasture and back, Bert found he was too late for tea. The meal was eaten in silence, but Bert's mind was active as he made plans to sell the farm and to start a new life for Mary and himself in the city. With these plans in mind, he told Mary of his ideas, after tea, saying that he knew she could not like life on the farm after what had happened. But to his surprise, Mary said that she had realised that although the farm had drawbacks which were not encountered in the city, she was certain she could not live in the humdrum manner of a city dweller again. If she were given time, she would be able to forget and become bright again, as she was sure he would.

At first, Bert thought she was not human to be able to say that she could forget her own son's death, but he slowly began to realise after some persuasive talk from Mary, that all was indeed not lost, and that every kind of life had its ups and downs.

While they were talking, there came a loud pounding at the back door and Bert rushed out to find John Smithers, his next door neighbour, standing on the steps spluttering between breaths, about a fire, and pointing towards a string of flames illuminating the sky about three miles away. Bert stood for a second and then thought of the portable pump in the far pasture.

He told his neighbour he would be there as soon as he could and ran to the machine shed. He flung open the doors, but stopped to stare at the tractor. Then he gritted his teeth and he fumbled for the keys and straddled it. The night air resounded to the roar of the engine as the tractor and the trailer raced for the far pasture, with Bert at the controls.

KEVIN SWANN, 5A.

THE ORIGIN OF THE R.S.P.C.A.

One October day in 1838, most of the sadistic population of Stamford had turned out to witness their annual festivities, which included the Old English "sport" of bull-running. Bull-running uses a bull, which is set loose in a village and set upon by a pack of vicious curs which hound it, gash it, and worry it, till it falls — a mutilated mass of blood and sinew. This procedure was to be repeated when a troop of dragoons rode up. There was to be no more running. Their leader proclaimed the R.S.P.C.A. had won its first major victory.

This fine, benevolent society was born in "Old Slaughter's Coffee House" in 1824 where Richard Martin, a politician, the Rev. Arthur Broome, and an eccentric inventor, Lewis Gompertz, vowed to fight against cruelty to dumb animals.

This was not, however, the start of the fight for in 1776 Dr. Humphrey Primatt wrote his book "Dissertation on the Duty of Mercy to Brute Animals". And, in 1800, a Bill was moved proposing to abolish bull-baiting only to be met with scorn and derision. The Prime Minister himself described this act of contemptible cruelty as "Inspiring courage and a noble elevation of the mind". But even against such odds, these three brave, who risked prison and poverty, won their cause.

Martin, disgusted with such sights as lines of wretched cattle drinking filthy, putrid water from gutters while waiting on market roads, passed a Bill reforming, and illegalising, cruel and improper treatment of cattle.

The Rev. Broome, who resigned from the clergy to follow his vocation, organised the 1824 meeting, which had in its midst such notable humanitarians as William Wilberforce and Sir James McIntosh. Broome accepted responsibility for the Society's funds, and consequently died in ruin in debtors prison. His successor was an eccentric philanthropist, William Gompertz, who patented such things as a shot-proof ship and a fortress which deflected cannon ball back to its owner.

The work of these men halted such atrocities as cats being skinned alive and dogs being hired at 1d. a day to carry 500 lb. loads.

The prefix "Royal" was adopted when Queen Victoria offered her patronage to the Society early in her reign.

Even though these men have stemmed legal cruelty to animals, it still remains, with all the other vices, latent in the callous heart of man.

WARWICK WYLD, 1A.

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SCHOOL NOTES

COMMONWEALTH DAY, 1961:

On the morning of May 24th, the school (with the exception of Third Year) gathered in the canteen to honour our Commonwealth, our Queen, and our way of life.

At this ceremony, pupils representing each year spoke on the following topics:

"The Queen and Her Part in the Commonwealth (P. Freudenstein, 1A).

"Some Great Commonwealth Pioneers and Leaders" (R. Spooner-Hart, 2A).

"Commonwealth Benefactors" (Kevin Harris, 2A).

"The Commonwealth's Contribution to the Arts" (N. Schroeder, 4A).

"Achievements of the Commonwealth" (A. Lynch, 5th Year).

The assembled school sang national and patriotic songs and on this occasion the School Song, composed by Mr. Anderson, was given its official airing.

The guest speaker, Mr. Mahoney, the local M.L.A., spoke on the virtues of the British way of life and the need to strengthen Commonwealth ties and values. He also stressed the need to preserve its freedom.

Mr. Mahoney was welcomed by the School Vice-Captain, Richard Henry, and thanked for attending by the School Captain, Alan Bell.

After the ceremony, the school was dismissed for the usual half-holiday.

TENNIS COURTS: The surfacing and fencing of the tennis courts has been completed. The fencing cost £420, and this amount was available as a result of the very fine contribution by parents in 1960. Nets and posts have been ordered as well as marking paint, and the courts should be available for use before the end of the year.

ANNUAL APPEAL, LIVESTOCK: I must thank those parents who have contributed to this Appeal, which has now exceeded the target set. Approximately 100 of the 380 families associated with the school contributed to the Appeal.

OPENING OF THE SCHOOL: The school will be officially opened in the last week in February, 1962. No exact date has been set by the Minister as yet. Parents will be notified as soon as the date is fixed, and I would like as many parents as possible to attend the function. Our aim for 1962 should be to have an Assembly Hall built for the boys, and the presence of the Minister at the school should give us an excellent opportunity to press for this addition.

PASSING-OUT PARADE: The Passing-Out Parade was a remarkable success, and earned the highest praise of the Inspecting Officer, Brig. Galleghan. I offer the parents sincere thanks for the way the lads were turned out for the Parade. Thanks also to the parents who provided cakes, etc., for the morning tea. I regret that due to an oversight, morning tea was not provided for the parents who visited the school on this occasion.

SCHOOL UNIFORM: For students in 4th and 5th Years, the school uniform requirement has been altered to allow students to wear either a blazer or a jacket. The jacket is of the same material as the blazer, but is cut on the lines of the Bermuda jacket, and has gold buttons, and a back vent.

"TO CURL UP WITH A GOOD BOOK"

To curl up with a good book is to travel into the past, the future — to fly the world, in adventure or fantasy.

You're with Caesar, you ARE Caesar, but in a flash you're his tailor, with his tailor's thoughts— HIS thoughts.

The picture's clear — you are there.

Time flies — you're Napoleon now, with honours, pomp, and ceremony; Europe laid before you; yours for the taking. Yes you can be anybody, the winner, the loser, the scientist or explorer — the baby — joyful or sad.

The impossible is easy, you're Everest, tall and stubborn, ice-draped and cold.

The extremities of boredom, misery and hate; are yours in this world; the world of the dreamy reader, wanderings unbroken, until you're brought to earth — somebody's shouting.

Gone are the days when you were Caesar, Napoleon and Everest, but the vision lingers still; until you come back again, to live in the glory of yesterdays — and tomorrow, with a good book.

I. FOWLER, 5th Year.

THE ART OF CATCHING CRAYFISH

To be an efficient cray-fisherman, you should arm yourself with a piece of string, a small piece of meat and a bucket, or something of that nature. Before any piece of this material can be put to use, you must be able to identify the ugly creatures. They are a deep green, sometimes with a tinge of red. A pair of gruesome nippers can often be seen which could make a bad wound on the finger or toe. The tail is usually curled under, and it has several small spikes rising from it. Crayfish vary in size. Usually they are from one to about eight inches in length.

When you have arrived at your intended spot, you take off your shoes and start to wade down the creek, until you see your prey. You immediately put the bucket into the water, taking care not to disturb it, which in turn would disturb the "cray". You must place the bucket behind the crayfish, because of its tendency to move backwards. When this is done you make a stab at the horrified creature with your foot or a stick, whichever is most convenient. It should move briskly back into the bucket. This is where some quick action must take place. You lift the bucket quickly from the water, hoping that the good food is still in it. If the "cray" is a step ahead of you, he will be out before the operation can be completed.

When this happens, you trace it to its hole, where you let the piece of meat dangle in front of it. After a short period of time, a nipper can be seen and it will grasp hold of the meat. You then pull the meat slowly to the surface and scoop the bucket under him again.

When you become skilful you may be able to catch them with your bare hands. This is found to be rather dangerous if you do not grab at the right place. The correct place is just behind the nippers.

Then you take your catch home and place it in a saucepan of boiling water with a teaspoon of salt, and boil for ten minutes. After this process you remove the tender white meat from its shell, the best part being the tail. If you ever have the opportunity of going cray-fishing, take it, because you will find much excitement and pleasure from catching, cooking and eating your catch.

A. SEMPLE, 2B.

AGRICULTURAL EXCURSIONS

During 1961, all pupils were given the opportunity to visit many places of agricultural interest.

Excursions for senior pupils were arranged to:—

A. The Murrumbidgee Irrigation Area. Four days were spent in this area with Yanco Agricultural High School as the base. This was the first annual inter-school visit, the pupils competing against Yanco on the sports fields and having the opportunity to examine the type of agriculture carried out in an irrigation area.

A reciprocal visit by Yanco pupils took place at the same time. The programme at Yanco included:—

(1) A lecture by Mr. McGee, of the Water Conservation and Irrigation Commission. He outlined the irrigation scheme as carried out in the Murrumbidgee Irrigation Area and the place of the Commission in that scheme.

(2) A lecture by Mr. Skepper, District Fruit Officer, who discussed the production of fruit in the Area.

(3) A talk by Mr. Jessop, the District Agronomist, during which he discussed the type of farming practised in the Area. He paid particular attention to rice growing.

(4) A conducted tour of the school farm.

(5) A visit to a property owned by Mr. J. Darnley Naylor, 19 miles from Leeton on the Griffith road. On this property, he combines fat lamb raising with rice growing and cattle fattening.

(6) An inspection of the Leeton Letona Factory where the party saw the canning of tomatoes and beans.

(7) An organised tour of the Yanco Research Station.

(8) Cricket, tennis and basketball matches.

(9) Various social activities in the evenings, including films and a dance in the school hall.

B. The Upper Hunter District. A coach was chartered for this tour and 34 pupils enjoyed a 2 day visit to this fertile area. The boys were accommodated at Scone hotels overnight and places of interest visited were:—

(1) The Scone Soil Conservation Research Station. Here pupils were able to examine the soil conservation methods employed to rehabilitate land that had become unproductive due to unchecked soil erosion. Of interest also were the laboratory work, the tree nursery, the pasture plant trials and the meteorological lawn.

(2) Glenbawn Dam. Here pupils were able to examine a rolled earth-fill wall faced with grey limestone rock which retains 3,000 acres of water being drawn from a catchment area of 500 square miles. Here pupils learnt the importance of this dam for irrigation, stock and domestic supply, flood mitigation and recreation.

(3) Hunterfield Stud. At this Jersey Stud, pupils were able to examine typical animals, pasture improvement, balls and other buildings, irrigation equipment, farm machinery and food crops.

(4) Alabama Horse Stud. Here pupils saw Delville Wood and were able to discuss with the Manager the management of a horse stud.

The equipment in the coach included a public address system and pupils were kept informed by the teacher in charge of any points of agricultural interest seen from the coach.

C. Bathurst and District. Again, this was a coach trip of two days duration, the pupils being accommodated in Bathurst overnight. On the trip to Bathurst, the public address system was used extensively to draw the pupils' attention to places of historical as well as agricultural importance. The boys were shown the overhead bucket line used during the construction of Warragamba Dam, the Explorer's Tree, Weemala — the home of Sir Henry Parkes at Faulconbridge, the Small Arms Factory and one of the oldest

woollen mills in Australia at Lithgow, the Monterey Pine Forests at Wallerawang, the aeroplane strips and superphosphate stores used for aerial agriculture between Wallerawang and Mt. Lambie, and on the forward journey, a detour was made at Katoomba around Echo Point and the Scenic Drive. On arrival at Bathurst the pupils visited:—

(1) Llambada, a sheep station of 3,000 acres, carrying 5,000 sheep and 150 beef cattle. Unfortunately, shearing was not in progress, but pupils were able to examine the animals, shearing shed, yards, modern spray dips, drenching and the machinery used on the station. A feature of the work done on the property is the improvement of pastures using *Phalaris tuberosa*, Perennial Rye, White Clover and Mt. Barker Sub-Clover.

(2) The Bathurst Experiment Farm. Features here included pasture species trials, a large experimental deciduous orchard and the Ayrshire Stud.

(3) Edgells Cannery and Farm Area.

(4) Local farms, accompanied by the District Soil Conservationist, to examine work done by the Soil Conservation Service in arresting and preventing erosion in basalt country.

The other excursions arranged during the year were:—

A. First Year—

1. The Royal Easter Show.
2. Millner's Large White Piggery.
3. Taylor's Dairy.
4. United Dairies.
5. Gibson's' deciduous and citrus orchard.

B. Second Year—

1. Gladesville Piggery.
2. Howard Rotovators.
3. Sheep Show.
4. State Abattoirs.

C. Third Year—

1. Millner's Large White Piggery.
2. Keyline Demonstration Farms.
3. Hawkesbury Agricultural College.
4. Gibson's Orchard.
5. Cooper's Poultry Farm.

D. Fourth Year—

1. Galston—Arcadia Farm Machinery Field Day.
2. Sheep Show.
3. Prospect C.S.I.R.O. Sheep Research Centre.
4. The Veterinary Research Centre at Glenfield.
5. Vicar's Factory.
6. The University Farm (Sydney University).

Excursions are an important part of the course in agriculture. They amplify and give full meaning to the work in the classroom and laboratory.

JUNIOR FARMERS' REPORT

The Carlingford Junior Farmers' Club has made steady progress during 1961, due in a great part to the help and co-operation tendered to the Club by the Headmaster, Mr. Hoskin. An innovation was the holding of an evening meeting in conjunction with those held on the fourth Friday of each month by the Advisory Committee. As a result of these evening meetings, we have gained 14 girl members who are a great asset.

Four members of the Club were fortunate enough to be selected to attend a Junior Farmer School of Instruction at Wagga Agricultural College. The President, Kevin Swann, was again a finalist

in the Star Junior Farmer Contest and Secretary, Greg Roese, won the Junior Livestock Section of the District Project Competition.

The Club, assisted by the Advisory Committee, prepared and served afternoon tea on Open Day at the School and also held a Sale of Produce, etc., which resulted in a donation of £26/10/- being handed to Mr. Hoskin for the Livestock Appeal.

During the year numerous Field Days were held, including one arranged by the District Council at Hurlstone Agricultural High School. Some of the places of agricultural interest visited by the Club were a dairy at St. Marys, where machinery was shown working, a Horse Stud at Pennant Hills, and a Citrus Orchard at Kenthurst, where members saw the first lemons to be exported to Germany being prepared and packed.

The Club gained second place at the 1961 Castle Hill Show and hopes to do better in 1962. A social has been held at the end of each term, culminating in the Christmas Social held on the 8th December.

A new contest is the Bank of New South Wales' award for the best junior member, with a first prize of £150, and many of our members have entered this competition.

The Club extends its grateful thanks to the very active and helpful Advisory Committee and to Mr. Bingham for his help and assistance to members during the year, and to everyone who has helped us to further the aims of the Club.

LIVESTOCK DONATIONS

The Livestock Appeal this year included the following donations:—

Anonymous £50; Junior Farmers Club Advisory Committee £26/10/-; Proceeds of a Beetle Afternoon, organised by Mrs. Kinney £28/1/3; Mr. & Mrs. Annan; Mrs. Arrowsmith; Mrs. D. Austin; Mr. L. E. Bamde; Mr. A. Beattie; Mr. S. P. Bell; Mrs. Edna Birley; Mr. & Mrs. Black; Mr. & Mrs. A. C. Bottrill; Mr. & Mrs. M. C. Bramham; Mr. T. V. Brogan; Mrs. E. Brook; Mr. A. Campbell; Mr. & Mrs. J. M. Champion; Mr. Athol Chapman; Mr. Chester; Mr. G. Collins; Mr. & Mrs. E. Conley; Mr. A. J. Cole; Mr. T. Core; Mr. K. Douglas; Mr. V. C. Drewitt-Smith; Mr. & Mrs. E. W. Evans; Mr. W. Evans; Mr. A. Faulkner—Dick; Mr. R. P. Freudenstein; Mrs. D. Galloway; Mr. W. E. Gibson; Mrs. V. H. Goffon; Mr. A. A. Gray; Mr. J. Hagar; Mr. A. Haber; Mrs. Herford; Mr. H. Hobby; Mr. & Mrs. G. Hogan; Mr. J. C. Hoskin; Mr. & Mrs. J. A. Irish; Mr. R. Jacklin; Mr. H. Jackson; Mr. & Mrs. N. O. Johnston; Mrs. Betty M. Johnston; Mr. J. Jones; Mr. & Mrs. C. Kalligas; Mr. D. Kerr; Mrs. B. Kidd; Mrs. H. Langtree; Mr. J. Leckey; Mr. J. Le Maitre; Mr. A. McGauran; Mr. H. McLachlan; Mrs. McLeland; Mr. R. B. McNeill; Mr. A. B. Mason; Mr. & Mrs. T. Marshall; Mr. L. Matthews; Mr. J. Menzies; Mr. & Mrs. R. Miles; Mr. & Mrs. Millward; Mrs. Z. Moore; Mr. & Mrs. P. J. Moore; Mr. & Mrs. N. Morrison; Mr. J. L. Moth; Mr. A. Mudge; Mr. & Mrs. Pearson; Mr. H. Polack; Mr. & Mrs. E. D. Readett; Mr. C. Roese; Mr. L. K. Ruitenschild; Mr. & Mrs. R. Sandell; Mr. & Mrs. A. Schofield; Mr. G. Scott; Mr. & Mrs. R. Slack-Smith; Mrs. R. Smith; Mr. & Mrs. Smith; Mr. & Mrs. D. Swann; Mr. J. K. Starkey; Mr. R. K. Taylor; Mr. F. Tobin; Mrs. M. Tucker; Mrs. M. Waring; Mrs. J. Willis; Mrs. Ida I. Wyld.

A total of £413/3/6 was thus realised.

I am most grateful for the excellent response to this Appeal.

(J. C. HOSKIN from "Headmaster's Letter")

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SPORTSMASTER'S REPORT

This year James Ruse A.H.S. became a member of Lennox Zone which includes Parramatta, Fairfield, Macquarie, Granville, Liverpool and Hurlstone. Our school was thus placed in competition with well established schools.

SUMMER SPORTS

Sports included: Water polo, cricket, tennis, basketball and swimming.

The Zone had already had two years of grade competition in water polo before our school joined the zone. Our school did well to gain 4th position in second grade and 6th position in 3rd grade.

Our most successful team for the year was the 3rd grade cricket team. The team missed winning the Premiership by one point from Parramatta High. The 5th and 6th grade cricket teams, although not so successful, showed fine potential for next season.

We entered a junior basketball team in the Zone competition and although our boys at the time had no facilities for training, they still showed great enthusiasm and natural ability.

Tennis was played as a grade competition event in both summer and winter. Wet weather and long distances to travel brought many problems. Next year, with our own courts in playing condition, the boys will get the necessary team training and team co-operation.

The first annual visit of Yanco Boys' High to this school was held. In the field of sport we beat them in cricket, basketball and tennis.

During Education Week the annual North Harbour—South Harbour Rugby match was held. North Harbour won this match 8 points to 3. The winner of the House Rugby competition, Felton House, defeated a combined team from the other houses, 12 points to 8.

Our School Swimming Carnival was held at Granville Pool and the results are listed below.

We came fourth in the Zone carnival and John Tunnicliff represented us at the C.H.S. Carnival.

At our Annual Life Saving Campaign, over 130 awards were gained by the boys.

SCHOOL SWIMMING CARNIVAL

13 years Champion, Juvenile, J. Tunnicliff.

14 years Champion, Sub-Junior: J. Cooney.

15 years Champion, Junior: B. Stewart.

16 years Champion, Intermediate: J. Lewis.

Open Champion, Senior: R. Good.

Pennants for 1st Place:

13 years:

55 yards freestyle, J. Tunnicliff; 110 yards freestyle, J. Tunnicliff; 55 yards breaststroke, J. Tunnicliff; 55 yards backstroke, J. Tunnicliff; 55 yards butterfly, J. Tunnicliff; diving, N. Atkins.

14 years:

55 yards freestyle, J. Cooney; 110 yards freestyle, J. Cooney; 220 yards freestyle, J. Tunnicliff; 55 yards breaststroke, G. Lofts; 55 yards backstroke, G. Lofts; 55 yards butterfly, R. Ryan; diving, S. Roberts.

15 years:

55 yards freestyle, B. Stewart; 110 yards freestyle, B. Stewart; 220 yards freestyle, B. Stewart; 55 yards breaststroke, W. Howell; 55 yards backstroke, Le Maitre; 55 yards butterfly, W. Howell; diving, B. Baillie.

16 years:

55 yards freestyle, J. Lewis; 110 yards freestyle, J. Lewis; 220 yards freestyle, J. Lewis; 440 yards freestyle, J. Tunnickliff; 55 yards backstroke, J. Lewis; 55 yards breaststroke, J. Lewis; 55 yards butterfly, J. Lewis; diving, J. Lewis.

Open:

55 yards freestyle, C. Hill; 110 yards freestyle, R. Burchell; 220 yards freestyle, J. Kazis; 440 yards freestyle, J. Kazis; 880 yards freestyle, J. Tunnickliff; 55 yards backstroke, R. Good; 55 yards breaststroke, R. Good; 55 yards butterfly, R. Jackson; diving, R. Good.

WINTER SPORT

Sports played: Rugby union, basketball, squash, tennis and soccer.

This year we changed from Rugby League to Rugby Union, entering 4th, 5th and 6th grade teams in the competition.

In the Inter-House competition Felton House was undefeated.

The soccer teams played well against the other schools which had experienced teams.

At the Zone athletics carnival at St. Luke's Oval, our school came fourth.

The results of our own carnival appear below.

Finally, I would like to thank the staff for their co-operation and interest and the boys for a keen year of participation.

A. COLVIN,

Sportsmaster.

HOBBIES GROUP

During this year, the Hobbies Groups, which proved very popular in 1960, were transferred from Thursday and allotted a full period on Friday. A free choice of the hobbies available was exercised by each boy. During the second term the Hobbies period was taken up by practices for Play Day, and when that was brought to a successful conclusion, the Hobbies were resumed, each boy being allowed to change from one Hobby to another if he wished.

The History Club was only a small group this year, permitting several excursions during the Hobbies period to points of historic interest in the Parramatta District. History scrapbooks for local areas were kept up to date with clippings from newspapers and periodicals.

The Chess Club was conducted by Mr. Sharwood in the first term and by Miss Peterson in the third term. There are two competitions being conducted. One is for the championship of the club and the other for the most points. Nearly all the time everyone is playing a game, and when they are not playing they sit and watch and learn from other games. Christopher Ottaway is leading in the championship, while Robert Polley is leading in the point score.

During 1961 the choir became temporarily a Music Appreciation group. Members listened to musicals, including "South Pacific", "My Fair Lady" and the Gilbert and Sullivan opera, "H.M.S. Pinafore". Time was given also to some of the lighter classics. In the second term of 1961, a musical play, "Pirates in Penury", was produced. This production was helped by the piano, donated to the school by Miss V. Hicks, to whom we are most grateful. Our thanks are due also to the Department of Education who have also supplied a piano, and the fact that we now possess two pianos should help to stimulate interest in music in the school.

INTERMEDIATE CERTIFICATE EXAMINATION, 1960

The following boys were successful at the Intermediate Certificate Examination in 1960:

Abbot, R. G.	Kennedy, P. G.	Stewart, B. F.
Adams, R. F.	Kentwell, R. A.	Storrie, I. N.
Allcock, K.	Laws, P.	Thomas, I. D.
Anderson, D.	Ledger, P. A.	Watkley, R. J.
Arrowsmith, P.	Lewis, J. A.	Wiltshire, C. C.
Bailey, M. R.	Lobb, J. D.	Windon, A. S.
Black, G. L.	McDonald, K.	Yuill, B. R.
Bollingmore, N. W.	McLeland, W. J.	
Bradley, O.	McQueen, I. J.	"B" COURSE
Brazier, P. W.	Moore, G. R.	Allen, W. J.
Brown, S. G.	Moore, R. L.	Bond, R. J.
Burns, J. A.	Neil, J. E.	Burdett, D. J.
Byrne, G.	Ogg, J. G.	Burling, E. J.
Cannock, I. T.	Pattison, R. B.	Clark, P. F.
Dearne, R. A.	Perry, G. H.	Doherty, P. R.
Denston, C. P.	Perry, W. M.	Elliott, M. C.
Derwin, N. J.	Preston, G. R.	Evernden, K. J.
Driver, R. J.	Price, L. G.	Franks, C. E.
Ellison, F. W.	Pritchard, D.	Goodacre, J. L.
Finch, P. C.	Rees, R. G.	Hockey, W. D.
Fraser, B. J.	Richardson, I. W.	Horner, L. W.
Golgerth, M.	Roose, G. J.	Hutchinson, M. G.
Good, R. J.	Saunders, C. W.	Jones, S. R.
Hanger, B. C.	Schmalz, P. E.	Kemp, H. W.
Henderson, J. L.	Schofield, J. A.	Morgan, D. R.
Higgins, C.	Schroeder, N.	Perkins, B. D.
Hobby, J. W.	Scott, B. A.	Prendergast, R.
Horsfall, M. R.	Simpson, G.	Proud, B. M.
Horswell, J. R.	Smith, R. E.	Ross, P. J.
Ibbett, T. S.	Snape, J. de B.	Starkey, W. I.
Kalligas, P.	Stephens, P. A.	Wakeling, R. L.
Keipert, G.	Stevens, W. W.	Whitney, G. W.

INTERMEDIATE CERTIFICATE, 1961

The following boys passed their Intermediate Certificate in 1961.

Armstrong, R. B.	Fletcher, R. C.	Le Maitre, R. J.
Ashcroft, P. P.	Freeman, P. A.	Leonard, P. T.
Atkinson, J. H.	Greenhalgh, P. J.	McDonald, R. T.
Austin, D. H.	Hamilton, B. W.	McKenzie, W. R.
Baillie, B. G.	Hampson, D. L.	Marshall, A. G.
Bates, B.	Hanney, P. B.	Mead, I. J.
Boardman, A. R.	Hazel, W. B.	Menzies, J. R.
Browning, M. L.	Hoogenboom, N.	Milburn, J. R.
Burling, D. J.	Horsfall, R. M.	Miller, R. M.
Camidge, J. M.	Howell, W. A.	Millward, D. C.
Catto, G. R.	Hughes, J. T.	Moore, A. G.
Chapple, D. A.	Hurst, G. A.	Moth, J. J.
Chaseling, P. D.	Irish, G. D.	Murphy, M. R.
Cole, J. R.	Keers, F. E.	O'Shaughnessy, S.
Coleman, J. L.	Kelly, R. E.	Peel, T. J.
Delaney, J. G.	Kelly, T. O.	Phillips, J. A.
Denham, A. A.	Kinney, B. I.	Polack, P. J.
Dunleavy, P. B.	Lang, P. R.	Purdy, R. R.
Eggink, D. J.	Lauer, P. R.	Searle, E. J.

INTERMEDIATE 1961 (continued)

Shaw, D. J.	"B" COURSE	Jones, N. K.
Sinai, M. W.	Blessington, P. L.	Knight, R. W.
Smith, G. A.	Campbell, D. B.	Larkham, G.
Stephens, A.	Collins, G. J.	Leckey, V. J.
Sterelny, P. G.	Dyer, R. D.	Manson, O. D.
Strindberg, H. A.	Evans, W. N.	Marshall, R. L.
Tanner, R. B.	Fawcett, T. R.	Marson, R. H.
Tucker, R. J.	Frampton, J. W.	Morrison, M.
Van der Sluys, W. T.	Gunton, M. H.	O'Leary, J. W.
Waring, D. T.	Hirst, L.	Rose, A. J.
Warr, P. G.	Hopper, J. E.	Seymour, P. R.
Weekes, S. T.	Hotson, M. H.	Stovold, L. F.
West, M. A.	Isberg, B. R.	Turner, B. F.
Willis, W. J.	James, T. H.	Wells, S. A.
		Westaway, R. J.

LEAVING CERTIFICATE RESULTS, 1961

Referecne: Eng. 1; Hist. 13; G. Mat. 18; Ph.-Ch. 20; Bio. 23;
Ag. 27; F.M. 38; S. & W. 40.

A. Bell, 1B 18B 20B 23B 27H2.
I. Brothers, 1B 13B 18B 20B 23B 27H2.
A. Brownhill, 1B 18B 20B 23B 27A.
B. Denis, 1B 13B 23B 27H2 38A 40B.
I. Fowler, 1B 18B 20B 23B 27B.
R. Henry, 1A 13B 23B 27H2 38A 40A.
C. Hill, 1A 13B 20B 23B 27B.
J. Hoskin, 1B 13B 18B 20B 23B 27H2.
P. Jones, 18B 20B 23B 27H2.
J. Kazis, 1B 13B 20B 23B 27H1.
D. Loughhead, 23B 27B 38B 40B.
A. Lynch, 1B 13B 18B 20A 23B 27H1.
C. Mew, 1B 13B 18B 20B 23B 27H2.
E. Roche, 1B 13B 23A 27H2 38B 40A.
J. Smith, 1B 13B 20B 23B 27H2.
R. Stanford, 1A 13B 23A 27H2 38A 40A.
K. Swann, 1B 13B 18B 20B 23A 27H2.
A. Wolfendale, 1B 23B 27A 38A 40B.

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SCHOOL CALENDAR, 1962

JAN. 30: School resumes.
MAR. 12: Mid-term Tests.
APR. 20: Good Friday.
APR. 23: Easter Monday.
APR. 24: School closed.
APR. 25: Anzac Day.
APR. 30: Yanco visit.
MAY 7: Half-yearly Examinations, Third, Fifth Years.
MAY 10: Term ends.
MAY 18-27: Cadet Camp for specialists at Singleton.
MAY 22: School resumes.
MAY 24: British Commonwealth Day.
JUNE 1: Half-yearly Examinations, First, Second, Fourth Years.
JUNE 4: Queen's Birthday.
JULY 3: Mid-term Tests.
AUG. 5: Education Week.
AUG. 14: Play Day.
AUG. 16: Fifth Year Trial Examination.
AUG. 23: Term ends.
SEPT. 11: School resumes.
OCT. 8: Mid-term Tests.
OCT. 26: Passing-Out Parade; Farewell to Fifth Year.
NOV. 6: Leaving Certificate Examination.
NOV. 11: Remembrance Day.
NOV. 15: Internal Intermediate Certificate Examination; Yearly Examination.
NOV. 26: External Intermediate Certificate Examination.
DEC. 1-10: Annual Cadet Camp at Singleton.
DEC. 10-19: Cadet Under-Officers Camp at Singleton.
DEC. 13: Term ends.

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THE BATTLE OF THE BIKINIS

Bikinis are looked upon by the older members of society with much scorn and disapproval. They tend to think of them as obscene, and say that they reveal too much of the human body. However, we are really a fantastic invention. Our bodies are a magnificent machine, that should be looked upon with all due respect.

The doctors of this day say that because of the fact that we wear clothes we are less healthy than we would be without them. Think of the Stone Age men and even the Australian Aborigines. Ancient men never heard of such things as high blood pressure, lung cancer and all the heart diseases we know of today. The more ancient people went round stark naked, and they were not despised by their fellows. They had a better outlook on life than that.

I don't think there would have been as many crimes in those days, involving sex, as those you read of in the papers today. If people could only look at the facts, there is nothing wrong with the human body, that it should be covered up. God made us, and made us to appreciate what he has thought best for us.

The narrow-minded, disease-ridden public of this day are too stupid to realise what a wonderful body they have been given. I think the Battle of the Bikinis is a ridiculous lot of nonsense.

PHILIP STEPHENS, 4B.

"DAYDREAMS"

Daydreams use those short interludes of time into which we retreat when confronted with an idle moment in this mad, rushing, bustling world.

Daydreaming allows us to assess our thoughts and personal ambitions as we wander dazed, bewildered and astonished in that zone where time and space are of no earthly importance. In a daydream we can do anything; be anybody, without (it appears) any great physical or mental effort.

We can imagine ourselves to be with Robert Menzies as he sells peanuts to the pigeon feeders in the Domain, or we can be J. T. Lang fighting a sword duel with Captain de Groote and the Governor on the steps of Parliament House single-handed and at the same time.

There is no limit to our adventures as we stride in our seven league boots across the four corners of the world. One minute we are explorers in the deep misty valleys of the mystery filled Amazon, the next minute we are embassy officials granting political asylum to Krushchev in America. The next we are spies painting the Stars and Stripes and "Ban the Bomb" on the sides of Yuri Gagarin's spaceship.

There is no limit to our activities in this realm of fantasy, locked in our own imagination. In a daydream we can never be ourselves because that would bring us to reality and destroy any hope we might have expressed in our imaginative wanderings.

Daydreaming is the last and most carefully safeguarded of our personal freedoms. It is the last badge, which gives us individuality in the nameless seas of the faces of humanity.

ADRIAN LYNCH, 5th Year.

DEATH

The soldier, a sentry, was standing near an old stripped oak, his rifle slung over his shoulder.

The stars were bright, and the crickets made their eerie screech. There was a half moon that sent ghastly shadows across the bloody trenches, where five hundred men had died, the horrible day before.

He raised a cigarette to his mouth, but just as he reached for his matches, a sharp pain shot up his spine. His legs were paralysed and he could not draw a breath. More pains shot up from his clammed-up stomach.

The ground shot up to meet him, as his feet collapsed beneath him. He felt the blood sticking to his muddy shirt. Blood now cozed out of the side of his mouth as he tried to think of what had happened to him. He could not utter a call for help to his six companions, who lay only twenty feet away. He was only eighteen years old and did not want to die. He knew that the enemy who had stabbed him twice in the back, was running towards the truck, the only truck his mates had.

His blond hair was discoloured because of the mud in which he lay helplessly. His steel helmet which lay beside him, was also half-full of muddy water.

His eyes were becoming filmy and he could not see very well. His fingers could no longer feel the muzzle of his rifle. No more pain could he feel from his legs.

He could see his blood mixing horribly with the rain water in which he lay. His body suddenly went warm, then just as suddenly went cold as ice.

Once more he tried to yell out, but because of an explosion in the background, he felt his hopes and his strength fade away.

His eyes were no longer useful, and then everything in his bewildered mind was blurred and went black.

PETER GREENHALGH, 3A.

AUSTRALIAN PARROTS

Australia can be truly called the land of parrots, for we have over fifty-five species and most of these are very beautiful even though their size varies greatly, from the Great Palm Cockatoos and Black Cockatoos down to the Budgerigars. Members of the Parakeet family make extremely interesting pets; for example, Rosella's, Budgerigars, Cockatills, Rainbow Lorikeets, Corellas and most of the White Cockatoos can be kept in the average home and can be obtained from local pet shops or aviaries.

Parrots differ little in foods or nesting habits, but there are exceptions. For instance, the foods of parrots are usually seeds and grass, and their nests are usually a hole in a tree, but the Princess Parrot, one of the most beautiful and rare of the parrot family, chooses a termite's nest as a nesting site, into which she dig a tunnel, at the end of which she excavates a chamber in which to lay and incubate her eggs.

The Great Palm Cockatoo of the tropics prefers grubs that live in the rotten wood of fallen boughs and trees. These he tears out with his huge strong beak. Whereas the Rainbow, Scaly Breasted and Red Collared Lorikeets choose flowers, nectar and native or cultivated fruits.

An extremely rare bird is the Night Parrot, Australia's only nocturnal parrot, which is scarcely seen, for it only emerges from

(continued on page 27)

INTERESTING PLACES TO VISIT

— 'NDAHILA —

About 50 miles to the east of Alice Springs, Central Australia, tucked away in a spur of the Macdonnell Ranges, lies 'Ndahila — 'Ndahila being an aboriginal word meaning "Twin Gorges". These two gorges are in the shape of a "Y" and when I visited the area I went up the right hand gorge. The gorge is rather long with twisted gums and corkwood trees. The path is quite rocky and it takes considerable time to clamber over it. There are a few pools in the gorge — to one of which I am going to draw particular attention. This pool, when I saw it, was about fourteen feet in diameter, and about two feet deep. The pool contains little creatures each being about one inch long, with a hard shell like a tortoise, feet like a lizard, head like a beetle and a barbed tail. This creature is green. This is the only pool known on this 1500 sq. mile property in which these creatures appear. The locals have no name for them.

Clambering a further seventy-five yards brings you to a small cave-like opening. The colour is reddish-orange which is reflected from the sun into this cave from a rock outside. This cave in bygone days was an aboriginal meeting place. On the walls there are aboriginal markings in the shape of large asterisks. In each marking there is a small circle, then one around it slightly larger and then a lot of strokes radiating from it. The inside circle represents a fire, the second represents the circle of elders from the tribes and the strokes, representing spears, tell how many elders attended the meeting. These markings are in brown and white ochre which was ground in a large hollowed rock. The floor of this cave is covered with the ashes of countless fires lit by the aborigines at their meetings.

Also in this gorge are to be found many interesting rocks and fossils. These have not been disturbed as this area has just been opened to tourists. It is hard to drag oneself away from this rugged yet beautiful country.

B. DREWITT-SMITH, 1A.

— JAPAN —

This country is most interesting for the quaint customs of the people and their religions and beliefs. The people are very hospitable and courteous to most foreigners.

Japan is not, as a lot of people seem to think, dirty. On the contrary, the Japanese are possibly the cleanest race of people one could find anywhere in the world, considering their overcrowding and low standard of living compared to our own.

Japanese women are not all dressed in kimonos or other oriental dress, but the fashion conscious women seem to lean toward the western style of dress.

Japan is a mixture of the modern and the ancient, both in architecture and in the thoughts and ideas of the people. For example, in Kyoto, the old capital of Japan, the ancient is most prevalent with some two thousand Buddhist temples and approximately eight hundred Shinto shrines. On the other hand in Tokyo, the present capital of Japan, the modern is the predominant feature of the architecture with its skyscraper hotels and business buildings.

People generally think that there are no mountains with any trees left standing on them, and that they have been terraced off many hundreds of years ago. But this is not the case. One sees some exquisite scenery — fields of rice; paddy fields swaying in the breeze; the beautiful mountains around Harkone and Mount Fujiyama with its Azalea plants almost the size of small saplings; the beautiful Japanese maples in their gowns of golden browns and

yellows and the snow drifts slipping down the sides of the high mountains like ice cream trickling down the sides of a plum pudding.

Japanese people are remarkable gardeners, for in a garden with dimensions of about ten feet by ten feet they would have a rockery and usually a small creek, with maybe a few carp or goldfish swimming elegantly through the water, their gorgeous tails trailing behind them.

ALAN HILL, 1A.

THE FLOOD

The wind was cold, the day was wet,
And the river was rising fast.
We packed the banks with sandbags
Till we ran out of them at last.

We hurried to the high-lands,
Where it was high and dry,
To see the raging torrents
Go rushing swiftly by.

We awakened with the dawning
To see the river low,
But it will leave destruction
Wherever it may go.

ALLAN CAMPBELL, 2A.

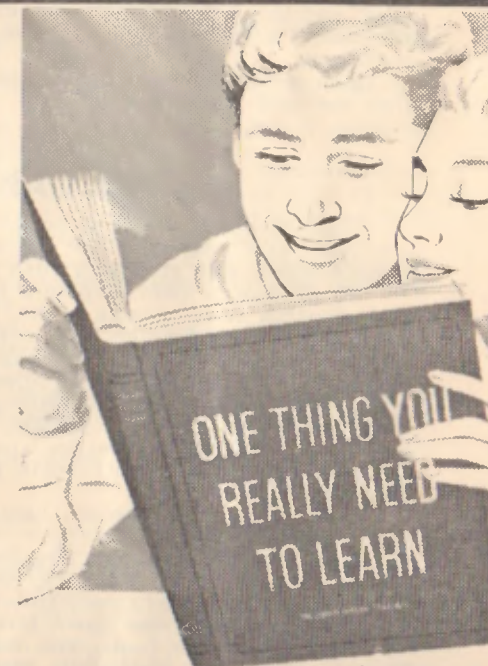
It is most important that you learn not only how to *earn* money, but also that you learn how to *save* it — because of all the money you earn *only what you save really belongs to you.*

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ARE HUMAN BEINGS NECESSARY?

Are human beings necessary? This question is very hard to give an acceptable answer to, and any answer would be entirely speculative. There are too many implications to this, and the main one leads to the question, "Is existence necessary?" Here again we are prevented from any understanding because of our inability to comprehend such inquiries. Our mind is only finite and it cannot attain to more than it can hold. One would need to understand the question first before one can attempt any reasonable reply. If it implies, "Is the existence of human beings necessary?" then it would also imply "Is existence necessary?"

This question can only lead to a metaphysical speculation which would not in any case lead to an absolute conclusion. One might argue — If anything is existing, then it must necessarily exist, and its existence must be necessary. Therefore if existence is necessary, because humans exist, then they must also exist necessarily and their existence must be necessary. But, you might say, you can only answer to the extent that you only feel that things exist, and that you cannot be sure that awareness of existence necessarily implies actual existence.

On the other hand one can take another path and answer to this in one's devoted belief in empirical observation. He will assume that he has eyes and other perceptive agents which permit him to see and become aware of actual things, but he will ignore the fact that what he sees does not depend on actual existence but on the awareness in his mind that there is an object actually there in front of him. Very well, let him take for granted that things do exist, and that human beings also exist, but can he prove that it is necessary for them to exist? He can only assume that it must be necessary.

Still one can theorise, and accept or reject, but who can prove that anything is necessary?

PAUL KALLIGAS, 4A.

THE CANTEEN

The response this year to our call for assistance in the Canteen was very gratifying, and we express our heartiest thanks to all those mothers who give their time to this service.

The Canteen's main purpose is to provide our boys with wholesome lunches at reasonable prices, but at the same time it is our main source of funds for equipment that is not provided by the Department, but is valuable in making for more effective education. Items obtained this year are: Projector equipment, Gestetnerscope, typewriters, pictures for the classrooms, a cover for the piano, a torso model for biology, cabinets, cricket pitch and mats, also cyclone netting for the practice area. Canteen funds also greatly helped to pay for the tennis courts, and the beautification of school grounds.

Here follows the Canteen Ladies' Roll of Honour, with their sons' class for 1961:

5: Mrs. Beard, Mrs. Brothers, Mrs. Denis, Mrs. Herford, Mrs. Sandoe.
4A: Mrs. Bailey, Mrs. Cannock, Mrs. Hobby, Mrs. Keipert, Mrs. Langtree, Mrs. McLeland, Mrs. Ogg, Mrs. Scott, Mrs. Simpson, Mrs. Schroeder, Mrs. Laws, Mrs. Ottawa.

4B: Mrs. Burling, Mrs. Lewis, Mrs. Roose, Mrs. Snape, Mrs. McQueen.
3A: Mrs. Freeman, Mrs. Moth, Mrs. Sterelny, Mrs. Waring, Mrs. Stephens, Mrs. Lang.

3B: Mrs. Ashcroft, Mrs. Denham, Mrs. Kinney, Mrs. Miller, Mrs. Morrison.

- 3C: Mrs. Hotson, Mrs. Manson, Mrs. Marshall, Mrs. Westaway.
2A: Mrs. Harris, Mrs. Johnston, Mrs. Crilley, Mrs. Ryan, Mrs. Hagan, Mrs. Horton, Mrs. Slacksmith.
2B: Mrs. Starkey, Mrs. Johnston, Mrs. Horswell, Mrs. Weiss, Mrs. Ryan, Mrs. Johnson, Mrs. Lofts, Mrs. Johnstone.
2C: Mrs. Jones, Mrs. Johnston, Mrs. Andrews, Mrs. Ionn, Mrs. Warner, Mrs. Beacham, Mrs. Mason.
1A: Mrs. Kidd, Mrs. Annan, Mrs. Baker, Mrs. Derrick, Mrs. Johnstone, Mrs. Bottrill, Mrs. Freudenstein, Mrs. Paix, Mrs. Hogan, Mrs. Wyld, Mrs. Evans, Mrs. Jackson, Mrs. Bamde, Mrs. Tunnicliff, Mrs. MacCue, Mrs. Drewitt-Smith.
1B: Mrs. Byron, Mrs. Irvine, Mrs. Rapley, Mrs. Faulkner—Dick, Mrs. Osborne, Mrs. Vine, Mrs. Mason, Mrs. Robinson, Mrs. Kyle, Mrs. Unthank, Mrs. Agnew, Mrs. Elyard, Mrs. Westcott, Mrs. Chapman.

A DAY AT THE ZOO

The Universe jet-bus stopped outside the gates of the largest zoo on Uranus. I reacted my degravitation computer and, turning on my jets, floated through the gates.

As I flew slowly around, I saw the animals having their meals. A terrible Neptunian ray-breathing monster was just finishing his meal of fricasseed gok's legs (med. rare). I missed the double-eyed Ung, because its electronic reactor had split a tube, and had to be repaired.

It was amusing to watch the 7-legged gazook with 5 protruding eyes, standing on its head.

A Martian octo-worm slid across the floor of his cage and scratched at the glass.

I was wondering why one cage looked empty, but it contained an invisible monster.

One of the smallest, but most terrible killers in the universe was the Plutonian ice-breathing monster. Its fangs turn its victim petrified. This monster is six-seven inches long, brown with a black face. It resembles an earth lizard, but with six legs.

Stopping at a diner, I enjoyed a snack of giant Mercurian turtle eggs, fried with Uranian boar's bacon, followed by pink Venusian cow's cream on chocolate cake.

I saw four red plant-eaters from Sirius and talked with them about weather, cosmic rays and other dull every-day subjects.

Leaving them, I headed for the outskirts of the zoo.

Suddenly my electronic computer blew a fuse and I had to hurry back to the pressure chamber of my ship before I suffocated in the thin atmosphere.

The automatic retro-rockets activated, and I headed for home.

R. CRILLEY, 2A.

AUSTRALIAN PARROTS (continued from page 23)

cover at dusk to eat seeds and grasses and to drink. During the daytime it retreats to the cover of spinifex grasses. Only on rare occasions has this species been kept in captivity. Once one was kept and studied for two months (1867-8) in the London Zoological Gardens.

On the whole parrots make an absorbing study once one is interested in them.

DAVID J. GRAY, 2A.

THE JAMES RUSE CADET UNIT

1961 has seen the first full year's training in our Cadet Unit. It culminated in the Annual Passing-Out Parade, and our first Annual Camp.

The Passing-Out Parade was a great success, and Brigadier Gallagher, the Inspecting Officer, seemed very pleased with the unit's first big ceremonial parade. Many prizes have been awarded this year and were presented on Parade.

These prizes went to the following boys:—

Most efficient Platoon Commander—

C.U.O. Henry (Prize — An engraved medallion mounted on a silver stand).

Most efficient N.C.O.—

Sgt. Tucker (Prize — An engraved medallion mounted on a silver stand).

Most improved Cadet—

Cpl. Schmaltz (Prize — Engraved medallion mounted on stand).

Smartest Cadet of the year—

L/Cpl. Millward (Silver cup, engraved).

Smartest Cadet on the Parade—

Cdt. Polack (Engraved cup).

For Qualities of Leadership and Man Management—

S/Maj. Wolfendale (Prize — Book on Leadership by General Macarthur, donated by 2nd Cdt. Bde).

Best Shot in the Unit—

Cdt. Greenhalgh (Prize — Crossed rifles mounted between gold laurel wreath).

Most improved bandsman—

L/Cpl. Hoogenboom — drummer (Prize — The band lyre mounted between gold laurel wreaths, donated by Mr. Mills, bandmaster).

Most efficient bandsman—

Cdt. Lark — bugler (Prize — Silver cup).

Weapons Relay — presented to the captain of the winning team—

D/Maj. Irish (Prize — A shield with the winners' names engraved on it).

It is to be hoped that the same keenness and enthusiasm will be shown in competing for the prizes next year.

The camp this year will be held from the 1st-10th December, at Singleton Army Camp. Some of our boys at this camp will be going on various manoeuvres with, and against, other schools. "Operation Contact", as it is called, is one that is always looked forward to by the boys, as it gives them a chance to put into practice all that they learn during their three years' training as a cadet. "Operation Overlay" will also be in force at this year's camp. Some of the boys will fire on the new field firing range; the band will compete in the Bands' competition, and will, I hope, acquit themselves very creditably. In fact, the camp should provide a wonderful training for our cadets by increasing their self-confidence, and by giving them opportunities of leadership and responsibility which turn them out as better citizens.

All boys by the end of the year should have fired the following weapons:—

1. Rifle .202 — on the 30 yards miniature range.
2. Rifle .303 — on the 30 yards range.
- 3 LMG Bren — on the 30 yards range.

(continued on page 30)



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THE JAMES RUSE CADET UNIT (continued from page 28)

Next year these practices are fired on the Anzac Rifle Range and the boys are allowed to wear crossed rifles on their uniform, if they qualify as marksman, or as a first class shot.

Our unit competed this year in the Earl Roberts Imperial Cadet Trophy Shoot which is keenly contested. A very favourable report was received of these boys: Sgt. Tucker (Captain), Cdt. Greenhalgh, Cdt. Freeman, Cdt. Chapple and Reserve S/Sgt. Milburn, ably assisted by Cdt. Searle who acted as Range Supervisor.

We have applied to have a Signals Corps and a Mortar Section next year, and these should provide additional incentive for cadets.

I should like to clarify one small detail that seems to be misunderstood by some cadets and parents. It is this. The cadet training takes place over three full years, and a boy who leaves the unit before he has completed three years is not a fully trained cadet and cannot be classed as such. I would point out further to all parents, that if your son is intending to go on to Fifth Year at this school, you would be doing him a gross injustice if he were not encouraged to join the cadet movement. I hope that the leaders of the cadets will ultimately be the leaders of the school, as training for leadership is the main purpose in cadet training in this school.

Next year, with an experienced band, specialist sections, experienced N.C.O.'s and officers, open range shoots, ceremonial parades and a two-day bivouac on the Second Term, I hope that the unit will really advance with increasing strides.

In 1962 our unit strength will be one hundred and twenty-one officers and men, and although this is a vast increase on our strength of this year, I believe that the vacancies will be filled rapidly. Any boy wishing to join must be:

- (1) In his fourteenth year.
- (2) Taller than 4' 9".
- (3) In O.C.'s opinion medically fit.
- (4) Ambitious to get on and prepared to accept responsibility.

The two uniforms (winter and summer) are issued free; the camps, medical attention, food, travelling, ammunition are all free. The boy is asked, however, to contribute fifteen shillings towards the cost of his school colour flashes and puggaree badges.

I would like to thank Mr. Hoskin for his assistance throughout the year, and especially for his aid in the construction of our new rifle range at the school. Epping R.S.L. have also given a generous donation towards its construction and thanks are due to them also.

Mr. Mills is probably the finest bandmaster in cadets today, and I hope that the band will do justice at camp to his hard work throughout the year.

Many people do not seem to realise the tremendous amount of paper work in the cadet movement. Mr. Myers has been a tower of strength, working hard in his capacity of 2nd-In-Charge, and has earned for our unit respect from the various Army departments.

Next year, I hope to be swamped with applications to join, besieged by parents inquiring about cadets, and, at the end of the year, to be the proud O.C. of an even prouder unit.

M. COVENEY, O.C.

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THUNDERING HOOVES

I was ripping up dry tufts of Mitchell grass as I sped over Boori paddock, making for the fence that had imprisoned me for over eighteen months, since I was seven months old. I was now confident that I could jump it. When I was within about eight feet of the fence, I slackened my pace, gathered my legs under me and sprang. Maybe I had been a bit overconfident, because when I landed, my legs buckled under me and I sprawled on my neck, but at least I was over. I sped on hardly noticing the wound which the barbed wire had inflicted, a gaping gash the length of my shin.

However, I raced on over Wallaby paddock disturbing about fifty beef cattle. The next fence I took more easily and sped on over the vast plains, my hooves ringing out clearly in the still morning. After about five more miles I reached a herd of brumbies and was accepted into it. I fed with them for the rest of the day, on very dry grass with little nourishment. At last they started slowly for water, and I followed eagerly and on reaching it, I waded in and drank till my sides swelled.

At last we walked lazily back to the mulga and rested. At sunrise we heard the beating of man-ridden horses. We were off like the wind, headed for our beloved mountains.

Although they were good horses and horsemen, we managed to escape to the mountains. A persistent pony bred at the foot-hills of the Snowy and ridden by a young tireless lad, was our only remaining pursuer. That mad rush down the rough mountain side must have been the worst moment of my early life. As we raced, I almost stumbled twice; my leg had split again and blood sprayed my belly. My sides were also streaked with foam and I felt tired and weak. By the time we crossed the creek we were all down to a canter. There were very few of us left now, as quite a few year-lings and old mares had dropped in the frantic rush.

Although we were all ready to drop, the pursuing pony was still fairly fresh, and at last he overtook us and drove us back up the hill with our spirits well and truly broken.

Now I am worse off than in the first place, because I am in a paddock with an electric fence and I am put into the stable every night.

PETER TAYLOR, 2A.

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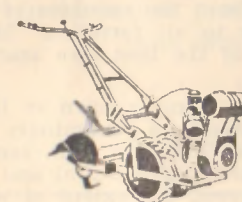
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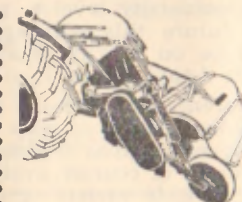
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CAREERS REPORT

Every year growing competition in most avenues of employment raises some points that need careful consideration. Perhaps the most important is that the applicant should have a clear understanding of the requirements for entry to the career. This might involve a study of the requirements some years before the actual entry. The agricultural colleges, for instance, are unable to take in a student for some three years after he has applied. The length of waiting lists has caused this, and it makes an early enrolment essential.

Another point to be considered is the selection of the course to be followed during fourth and fifth year. It applies particularly to those who intend to take on university studies. Universities require matriculation before entry to any faculty, but they do not stipulate that a student has to pass, at the matriculation level, in any special subjects. Providing he has matriculated, a student may enter any faculty. However, if he has not followed appropriate subjects in the matriculation course he will obviously be at a disadvantage in his university studies. At the same time, the tendency at the university level is to limit the numbers of entrants. In the near future this will apply to all faculties. Method of selection will be on the aggregate of the best five matriculation subjects at the Leaving Certificate.

At a different level are the opportunities open to those who intend to follow college courses. Again, a preliminary study of the entrance qualifications is essential, together with some knowledge of the kinds of courses available. Agricultural and technical colleges offer a wide variety of courses, the extent of which can be judged only by an examination of the respective college handbooks.

Other factors that need consideration are scholarships, bursaries, cadetships, pre-apprenticeships, apprenticeships, and vocational guidance. Of course, there are other things, depending on the individual; his interests, general ability, physical suitability, educational standard and financial position.

Anyone requiring information on any of the above problems is advised to contact the School Careers Adviser, the Youth Welfare Section of the Department of Labour and Industry, The Commonwealth Employment Service, The Technical College Vocational Guidance Office, or the Student Advisers at universities.

PLAY DAY, 1961

Play Day was celebrated again this year in the Canteen weather shed with improvised stage and no lighting at all, yet produced entertainment of a surprisingly high quality.

Having no hall to accommodate the school, we are regrettably unable to allow more than half the school to watch at a time, and for the same reason we are unable to present a Play Night, which, besides letting parents see the quality of our actors, is such a useful source of much-needed revenue.

In addition to the individual play produced by each class, we also had, this year, a parody of "The Pirates of Penzance" produced by Mr. Moore and Mrs. Lino with boys drawn from all classes except Fifth Year.

Full details of plays and casts were given in the Headmaster's Letter for 26th September, but we again record the fact that the Senior Oscar was won by Greg. Roesse, and the Junior by Peter Schultz.

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SCHOOL ROLL 1961

5th YEAR

Beard, Christopher
Bell, Ian
Brothers, Ian
Brownhill, Arthur
Cadwallader, David
Denis, Barry
Dzintars, Uldis
Fowler, Ian
Gillespie, Allan
Henry, Richard
Herford, Ian
Hill, Curtis
Hoskin, John
Jones, Peter
Kazis, John
Loughhead, Dennis
Lynch, Adrian
Mew, Colin
Patane, Ross
Peattie, Geoffrey
Roche, Geoffrey
Sandoe, David
Smith, James
Stanford, Ray
Swann, Kevin
Wolfendale, Anthony

4A

Allcock, Kenneth
Arrowsmith, Ian
Bailey, Michael
Cannock, Ian
Denston, Colin
Driver, Ronald
Ellison, Frank
Gelding, Robert
Good, Raymond
Higgins, Christopher
Hobby, John
Humphrey, Andrew
Ibbett, Trevor
Kalligas, Polichronis
Keipert, Geoffrey
Laws, Peter
MacDonald, Kenneth
McLeland, Warren
Moore, John S.
Neil, John
Ogg, Jeffrey
Ottaway, Christopher
Preston, Geoffrey
Pritchard, David
Richardson, Ian
Rickard, David
Ryan, Kerry
Schroeder, Norman
Scott, Bruce
Simpson, Grant

Stewart, Brendon
Windon, Alan
Yuill, Brian
4B
Armstrong, John
Black, Geoffrey
Burling, Edward
Byrne, Graeme
Dearne, Robert
Derwin, Norbert (Jim)
Dunn, John
Franks, Christopher
Fraser, Brian
Golgerth, Michael
Horsfall, Mark
Kemp, William
Kentwell, Robert
Lewis, John
MacQueen, Ian
Moore, John D.
Moore, Ralph
Perry, William
Prendergast, Raymond
Proud, Brian
Roese, Gregory
Schmalz, Peter
Schofield, James
Snape, James
Stephens, Philip
Stevens, William
Wiltshire, Clifford

3A

Austin, David
Baillie, Barry
Bates, Brian
Browning, Larry
Burling, Douglas
Camidge, John
Chapple, David
Chaseling, Phillip
Cole, John
Delaney, John
Dunleavy, Peter
Freeman, Phillip
Greenhalgh, Peter
Hamilton, Barrie
Hazel, William
Hoogenboom, Nicholas
Horsfall, Richard
Irish, Gary
Keers, Fred
Lang, Philip
Lauer, Philip
McClure, Michael
Marrett, David
Marshall, Gordon
Mead, Ian

Milburn, John
Millward, David
Moth, Jeffrey
Phillips, John
Polack, Peter
Searle, Edward
Sinai, William
Smith, Geoffrey
Stephens, Alan
Sterelny, Peter
Tucker, Robert
Van Der Sluys, Wobbje
Waring, Denis
Warr, Peter

3B

Armstrong, Raymond
Ashcroft, Paul
Atkinson, Julian
Boardman, Arthur
Catto, Graham
Coleman, John
Davis, John
Denham, Anthony
Eggink, David
Fletcher, Robert
Hampson, David
Hanney, Peter
Howell, William
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