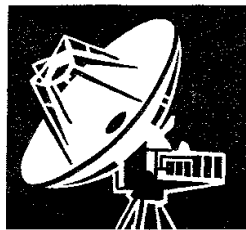


RESEARCH LAB REPORTER



PRODUCED BY RESEARCH LABORATORIES, 59 LITTLE COLLINS STREET, MELBOURNE

"RESEARCH LAB REPORTER"

At this time of the year when many young people are either settling in at the Laboratories or looking back on their first few years of endeavour here, I offer the advice of the Duke of Cornwall and York on his historic visit to Melbourne University (11th May, 1901).

"My young friends, on these occasions we are, I think, sometimes apt to forget the unsuccessful. Many of those have, no doubt, been equally assiduous thus meriting no less praise than their more fortunate comrades. They also have my best wishes. We cannot all be winners. I would say to them: Take courage, and do not relax your efforts. Let both success and failure serve as a stimulus to renewed endeavours: for this is an age of keen competition, intellectual and physical, and we look to you, the rising generation, not only to hold and keep what your forefathers have bequeathed to you, but to push ahead, ever striving to promote what is good, and what is beneficial to the cause of civilisation and moral and material progress.

Keep up your traditions; think with pride of those who, educated in your schools, have become distinguished public servants of the State, or have fought, or are still fighting, for the Empire in South Africa and China. May your lives be happy and prosperous, and do not forget that the youngest of us have our responsibilities increased as time goes on. If I may offer advice, I should say: Be thorough; do your level best in whatever work you may be called upon to perform."

His Royal Highness concluded amidst loud and continued applause.

G. Rosman.

(G. Rosman)

Ed.: The language used by H.R.H. is a bit heavy for modern ears but the sentiments are comforting still to those of us who struggle to make the grade and who have a respect for the past as well as a lively interest in the future. Thank you Gavan.

IN MEMORIAM
ARTHUR CHAPMAN

It is with deep regret that we record the death of Arthur Chapman, late of Environmental Physics Division, who died after a heart attack in the Alfred Hospital on 3rd. March, 1968.

Arthur commenced in the Laboratories on 20th. March, 1948, in the Physics Division which, at that time, was located on the 2nd. floor of 59 Little Collins Street. There he worked as an assistant to Vic McMaster, where the experience he gained as an Instrument Maker in the R.A.A.F. assisted him in the construction of various specialised test apparatus.

Throughout his 20 years association with the Laboratories, Arthur became known for his kindness and he was always to the fore when anyone needed guidance or help. His efforts on the committee organising the Labs' Christmas Party were well appreciated. He received a good natured ribbing from several of the boys for many months for his efforts in selling raffle tickets for a Hillman sedan which he eventually won from a bonus ticket as the seller.

Arthur suffered his first heart attack on 14th. June, 1967, and with the exception of a few weeks, had been on sick leave since that day. At the time of his death he was planning a trip to England about May of this year to see his brother.

The large representation of workmates at his funeral service was indicative of the affection and respect in which he was held and we of the Laboratories extend our sincere sympathy to Mrs. Chapman and his two boys, John and Peter.

Personal Glimpses

Bernadette Deylen, Typist, Block A

Unfortunately the majority of you have not had the pleasure of meeting the junior member of our typing pool. Demure and possessing a very warm personality, Bernadette arrived in Australia from Holland about 12 years ago. She completed her schooling at Prahran Technical College and joined the service as a typist-in-training.

After a solid week of pounding the keys of the typewriter she spends most of her leisure hours pounding the waves with a surf board. No doubt she is used to a pounding occasionally at home as she is the youngest of a family of 11 brothers and sisters - her older sister being in charge of the typing pool of our Headquarters Accounting Section.

Siang Tjio, Engineer Class 2, Design, Mech. & Elect.

As a B.Mech.E. Siang first commenced duty in the Labs. in 1959 and in 1962 took leave to obtain his Diploma of Electronic Engineering. After a short return to his home country of Indonesia he resumed with us in 1964 and subsequently became an Australian citizen.

Just prior to Christmas Siang decided to take two months leave to return to Indonesia to see the folks of the old home town and his impressions in his own words, were as follows:

"My long absence from the country was brought out quite forcefully when one of the young generation remarked that I spoke ancient Indonesian language! Yes, Indonesia has changed since I left her in 1959. Nationalism is very strong with a threat of violence just simmering beneath the surface of politeness. However their eagerness to be thought well of by other countries enabled me to travel throughout the country with ease as soon as the officials learned that I was holding an Australian passport.

During my travels I was impressed by the richness of the land particularly the green cultivated rice fields. Yet when I looked at the people I was surprised to find so few well fed looking ones. Food was plentiful at a price. The cheapness of labour and the inflation did not help to fill the stomachs of the people. As an example, during my stay of six weeks, the price of rice (the staple diet) had doubled whilst the wages of the workers did not increase. If the upward trend of the cost of living continues, something, somewhere, somehow will burst with a big bang!

The cities of Indonesia were overcrowded with the attendant problems of housing shortages, traffic jams and unemployment. The visitor is surprised by the great number of uniformed people and the well dressed young students. It seems that one way to solve the problem of unemployment was to recruit as many men as possible into the armed forces.

There were many universities in most cities and the students formed an elite group among the population. They had strong political organisations and frequently conducted demonstrations in the streets which were viewed by the minority Indonesian Chinese with great trepidation. Their fear was usually well founded because quite often these demonstrations got out of control and turned into ugly racial outbursts.

Life was tense in Indonesia. Everyone was preoccupied with the business of finding the next bowl of rice. I must admit I gave a sigh of relief as my plane was departing for Australia."

Do You Know?

Fred Symons, our expert on semi-conductor circuitry is at present visiting Japan and several European Countries studying techniques of stored program control switching systems. One of the most important topics to be discussed during his visit is the way in which the control processor should be organised so that the extreme dependability and reliability requirements of telephone exchanges can be set in an efficient manner.

Our own library acquires intriguing material at times but what about this proudly announced acquisition by the National Lending Library for Science and Technology in Britain.

"Some studies in underwater bicycle ergometry". Published by the Flying Personnel Research Committee of all people! Is this a new form of recreation for pilots, peddling through puddles as a change from soaring through skies?

Social Snippets

At one time or another we have all heard of "Snowy on the Tram". However we have one young lass in the Laboratories, whom we shall name MARY, who is STREET's ahead of the field when it comes to selling raffle tickets. Not the least bit embarrassed - she subsequently advises you of your bad luck in not winning the raffle and then coyly tells you that SHE was the winner!!!

Merle Cuzens recently left the labours of the library far behind her and took a well deserved trip to the old home town of Sir Donald Bradman - Bowral N.S.W. Merle is not an avid cricket fan, she selected this particular spot for its surrounding scenic beauty and above all peace and quiet. After about 10 days of Bowral bliss she journeyed to Sydney for a reunion with a few Army mates. Believe it or not the Hotel Australia has not been the same since.

If you should spy those long legs of John Sergeant taking to the stairs in Block A don't get the idea he is on a fitness campaign. John spent 30 minutes late one Friday afternoon between floors (ALONE) in the elevator at 59 Little Collins Street. He said his only worry was that he would not be extricated before knock off time.

On Thursday morning 7th March a visitor to the first floor of Cheneys would have thought that the building was on fire because of the acrid smell and the haze of blue smoke. But no, the inhabitants were enjoying the cigars handed out by David Snowden who was celebrating the birth of his "first born". Congratulations to David and his wife Rosemary and good health to the new heir Michael.

Congratulations also to Peter Hider, T.A.2, Pulse Techniques whose wife Mary presented him and his two young sons with baby Leanne on 3rd March.

To Garth Jenkinson, Propagation on the safe arrival of Andrew Philip.

And to Bob Harvey, Path Evaluation who is celebrating the birth of son Jonathan.

Perhaps this little par would be more appropriate under the hobbies heading. Nevertheless it seems that there won't be a dull moment for Alva Allen now that Doug Wilson has rejoined the staff of the Electrical Plant Maintenance group. I am informed that Doug is a very keen bird fancier,

We have finally managed to break through the barrier of that outposted group of drafting personnel in Cheneys and so we introduce to you Roy Hartkopf, Bert Haddrell, Peter Meggs, Joe Walsh, Graham Trebilcock, Roy Bailey and David Brittan.

Joe Walsh is now known as "Goldfinger" since acquiring that brightly coloured Holden "Premier" recently - that's the only bond he has with Special Agent 007.

Congratulations to our No.1 apprentice of 1967, Laurie Bridgeman, and all the best to lovely Kris Krasinki on the announcement of their recent engagement.

Also to Heather Bentley and Michael Durrant on their recent engagement. You should all get a good look at the "sparkler" Heather is wearing.

It is nice to know that the prestige of the Model Shop was fully maintained by the behaviour of Alva Allen, who attended the Adelaide Arts Festival. It is reported he received a personal warm greeting from the Governor of South Australia.

Any persons seen strolling in the vicinity of Watkins Building around 5.00 p.m. each day are not members of the Labs. staff. Reason - Jenny Kett, Physical Sciences, has just acquired a learner's permit for a motor scooter - gangway gang.

"Fearless" Fred Kelly from Admin. received a lesson in horse sense at a local fete the other weekend. Whilst enquiring about the cost of the pony ride, one pony apparently dismayed at the thought of transporting Fred promptly gave him a sharp kick in the shin which necessitated four stitches. We never did find out if Miss Kelly had HER pony ride.

Congratulations to Carolynne Bird, Block A, typing pool for attaining her majority on 17th April. Poor old Dad - a 21st party this month and Carolynne's Wedding to come in May. More about that next issue.

A big cheerio to Jack Reen, Path Evaluation who is not enjoying the best of health at present. We all hope to see you on the go again soon Jack!

Joe Der, Physical Sciences is heartbroken - bought his son a soccer ball recently and smart lad is not interested. Quite natural - you can't play Aussie rules with a round ball, Joe.

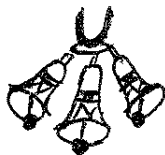
ONS and OFFS

A sincere welcome is extended to all our new members (some 20-odd?) who are too numerous to mention personally but we will expect to hear about them individually in future issues. However special mention is made to our most outposted newcomer Peter Kelleher who has taken up duty at Cooby Creek.

Congratulations and farewell to Jan Tinworth, J.P.O. Watkins. Jan was successful in passing the Phonogram operator's exam and has now commenced in this new position. Farewell also to Margot Kelly our very chic library officer from Long Line Equipment. Margot has transferred to the Department of the Interior.

Our ranks of capable Steno-secretaries were further depleted when Mary Street left us mid-March to join the staff of the Minister for External Affairs. At a farewell gathering prior to leaving for Canberra, Mary was presented with a travelling case by her "boss" Albert Seyler who wished her every success on our behalf.

Wedding



Bells

Kaye Jones, Steno-secretary to Sven Dossing, was farewelled by many of her friends last month when Tom Broughton presented her with an adjustable ironing board and chair. Unfortunately for us Kaye has decided to become a full time housewife and spend her week ends watching new hubby Colin McKenner starring with Sunshine on the baseball diamond.

Most of you will remember the lovely young Stenographer, Dianne Linnell, ex-Cheneys. Well so did Neil Chandler from Electronic Switching! We are pleased to announce that Dianne and Neil were married last month and we wish them every happiness in the future. It is reported that the presentation address by Andy Domjan was a masterpiece.

Beware! You single lads and lassies. Cupid has struck another blow in the Labs. Saturday 20th April saw the joining in Holy Matrimony of Sue McNeil and the genial giant Brian Lafferty. It was not possible to get all the bodies into the room to hear Ed Sandbach recount some interesting facts about the happy couple and present them with a chiming mantle clock and flowers (for Sue, of course?) Both will return to the Labs. early next month.

RESEARCH LABS. CABARET DANCE POSSIBLY EARLY

JULY - MORE DETAILS TO COME

CLASSIFIEDS
 A Free Service for
 Labs Personnel
 Next Deadline
 Friday 14th June, 1968
 Contact The Editor (7904)

Surely YOU must have some article in mind that you may wish to buy, sell or exchange. Before you spend money to advertise in the local papers why not avail yourself of this free facility and give the first offer to your fellow workers. Even our retired officers have made satisfactory transactions. ~~_____~~

WANTED TO SELL

Dinner Set, Autumn Pattern (6 of each article) \$20.00. O.N.O.

Mrs. Vyner 7631T

Pack Rack, full length, station wagon \$12.00

Ash Conroy 7904A

Taps and Dies, complete set, B.A's, B.S.W. etc. ex-disposals

Eric Dodge 6337T

Electric Radiator (2 bars 1400W and 1000W) best offer

Mrs. Vyner 7631T

Electric Fan 12" non-oscillating \$2.00

Electric Floor Polisher/Scrubber \$2.00

Holden Car Jack \$2.00

Joe Lynch 7906T

SONY tape recorder - small cassette type \$80.00

K.K. Pang 7943T

Exposure Meter - best offer

Rudolf Buring 7611T

V.D.O. Tachometer)
 V.D.O. 12 V. Electric Clock) All new
 V.D.O. Ammeter

John Hughes 6337T

1 First Day Issue and 6 Albums Stamps - various countries
 Collection of Ancient Coins (some several hundred years old,
 also modern ones)

J. Esterninho 7278T

640 x 13 Tyres (used) - suitable retread - tubes good condition

R. Kruger 6337T

Briquette Heater, "Wonderheat", tiled front and surround,
 Mushroom pink - Best Offer

Ash Conroy 7904A

Spare Parts, 1950 Vanguard; 1956 FJ Holden ute

Alec Robertson 6611T

$\frac{1}{4}$ h.p. Hoover Electric Motor (perfect cond.) \$15.00
 7 candle Metters Gas Room Heater, automatic \$10.00
 Wonderheat Briq. Heater, tiled front, med. size \$20.00
 Set of double glass doors and tracks,
 2'6" x 6' x 6' - Price on application

John Goldman 6799T

WANTED TO BUY

Rucksack, Mountain Mule

I. Boehm 7618T

Japanese Samurai Swords

B. Thomas 6337T

Bookshelves - shelves 9" wide, 12" high
 between shelves

A. Reid 7955T

Three-gang Tuning Capacitor 10 - 570 pf

G. Ebert 7618T

DON'T FORGET CABARET DANCE

Sports



Hobbies

Swimming

Congratulations to Block A Commissionaire, Peter Quinn, for gaining selection in the swimming squad for the recent Australian Postal Institute Carnival. Peter's achievement of gaining points in each of the seven events in which he competed is worthy of special mention as he was swimming against competitors up to 10 years his senior.

Painting

Were you puzzled when you noticed the Herald Art Show entry by Roy Hartkopf, Drafting Group, which he had titled "Integrate, Fair Child"? Roy explained that his wife saw an enlarged positive of a printed circuit on which he was working for a home project and thought it was aboriginal art. So there it was, mounted behind plastic and framed in the way Roy considered an aboriginal would frame a picture if an aboriginal ever framed one.

Cards

Paul Battlay, General Services, accompanied by his wife, journeyed to Queensland to represent Victoria in an All-States Annual Bridge Playing Contest. A very versatile character, Paul arranged to spare some time for a little bird watching along the Gold Coast. We believe both ventures turned up trumps.

Athletics

Mark Vines, Physical Sciences area, is in solid training with Power House several nights each week and he also runs for the local Y.C.W. Club in his home town of Bendigo. At present he is specialising in 4 minute $\frac{1}{2}$ miles.

Postwork Posers.

Despite many requests from readers, space does not permit the publishing of answers. These may be obtained from the contributor or from the Editor.

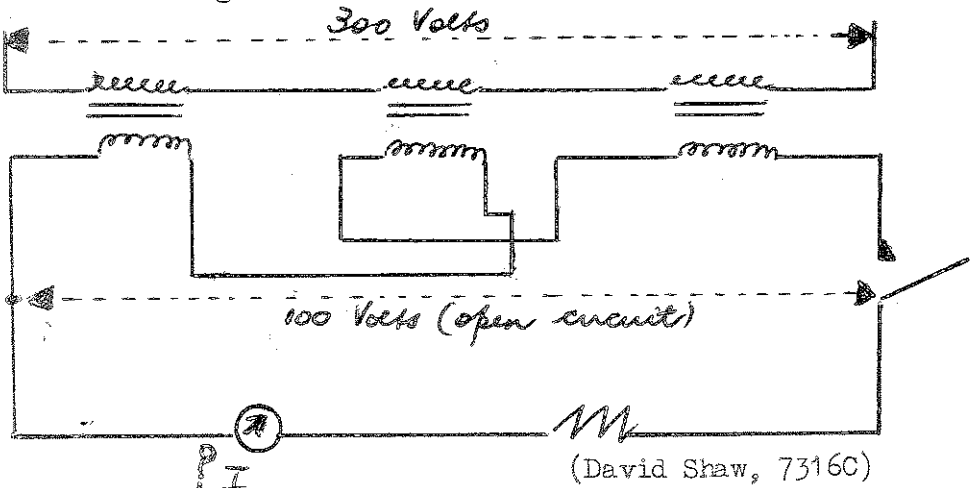
1. What digits can be substituted for the letters to make the following "addition" true? Each letter can only be represented by one digit.

$$\begin{array}{r} \text{S E N D} \\ \text{M O R E} \\ \hline \text{M O N E Y} \end{array}$$

(Harry Wragge, 7592C)

2. Three identical perfect transformers are connected as shown in the drawing hereunder. Each transformer, "being perfect", needs no magnetising current to set up the flux, has no leakage inductance and zero winding resistance.

The open circuit voltage across the "secondary" is 100 volts. A 10 ohm resistor is now connected across the secondary - what is the current through the 10 ohm resistor?



(David Shaw, 7316C)