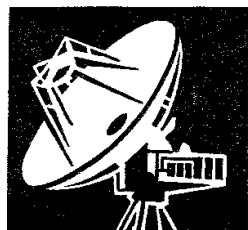


RESEARCH LAB REPORTER



PRODUCED BY RESEARCH LABORATORIES, 59 LITTLE COLLINS STREET, MELBOURNE

RESEARCH LAB. REPORTER" GONE NORTH "

If over the recent December/January period you had reason to require the services of the Lab Instrumentation Section and you didn't receive the usual prompt efficient attention, then it was possibly due to the fact that 50% of the Technical Officers had gone to Papua/New Guinea.

Bruce McEwan, Eric Gray, Dough Daws, David Marshall and Michael Crarey together with 29 other young people from the North Blackburn Baptist Youth Group undertook the working holiday to assist in a practical way the work of missions spread throughout the territory.

Eric, David and Doug quickly took charge of the maintenance needs at a Radio Base station at Rugli, 18 miles north of Mt. Hagen (Altitude 6,000 feet). This radio station C.R.M.F. is the only communication available to over 300 remote mission outstations dotted throughout the jungles and highlands and provides the people, both ex-patriot and indigene, in conjunction with the aviation authority, a very valuable medical emergency service.

Michael and Bruce had the task of installing a 50 line auto telephone exchange at the 400 acres campus of the New Guinea Christian Leaders Training College at Banz, situated on the beautiful Waghi river, 40 miles east of Mt. Hagen. The Waghi Valley (altitude 5,000 feet) is unbelievably beautiful, rich black soil covering the valley that sits flat like a table top about 10 miles wide with extremely steep and rugged mountains rising from the valley to a height of about 13,000 feet. The peaks are rarely visible at this time of the year due to the build up of heavy monsoonal cloud.

The valley is heavily populated; the people colorful in dress but very primitive. Their time is spent digging the sweet potato or adorning themselves with feathers and paint for a "sing-sing" and pig feast, one of which held at Goroka was celebrated with the eating of 2200 pigs.

The college at Banz was very impressive in its effectiveness to train the locals in various skills, both technical and academic. The aim of the college is to develop leadership qualities and trained skills in the students so that they can return to their own village situation to help their tribesmen.

New Guinea provided the group with many new experiences. When the work had been completed the group moved by bus, light aircraft, helicopters and, at times, even on foot to observe work situations in other areas. One afternoon, whilst on trek, the group was offered the shelter of a local village chieftain's hut to escape a thunderstorm. Both villagers and the young visitors sat on the hard earthen floor and a packet of "Minties" was produced and handed around. There was much smiling and obvious delight pictured on the faces of the villagers as they enthusiastically munched the "Minties" complete with paper wrapping. Their expressions (and noises) were a never to be forgotten experience.

A situation that was difficult to adjust to, was the feeling of continually being watched wherever one went. Within minutes of strolling along a mountain path, dozens of enthusiastic followers, both old and young, would appear to help in any way by carrying cameras, bags, etc., but, at times, one felt with doubtful intention. Unfortunately petty thieving, brawling and inter-tribal fighting appeared to be normal. In fact, within hours of arriving at Port Moresby airport a savage stick and stone fight was witnessed.

Adjusting to the local diet is impossible on a short term stay. The staple diet is 6-8 lbs of sweet potatoes. Fortunately other foods, more preferable such as bananas, pineapples, sweet corn and even tomatoes, grew well.

The cost of the project exceeded \$14,000 and, as expected, most group members added to the cost with their purchase of spoils of artifacts - spears, bows, arrows, axes, beads, etc. As a memorable record of the project, the group has produced an audio visual and color movie presentation on the complete story of the New Guinea project.

Congratulations Bruce and also to the members of your group for your thoughtfulness to those less privileged than ourselves. Should you be conducting a picture night in the near future I feel sure there would be many of your colleagues who would be interested to go along.

EDITOR

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Argument

Overseas

Whilst many of us were enjoying the glorious sunshine at beach resorts, Rollo Brett took off on a two weeks visit to Europe, U.K. and U.S.A. The prime purpose of the visit was to attend the inaugural meeting of the provisional Committee of Management for the Quality Assurance Scheme for Electronic Components which was held in Geneva on 15-16 January under the auspices of the International Electrotechnical Commission (I.E.C.).

Whilst overseas Rollo visited London for discussions with the B.P.O. regarding the possible visit of the Director of the B.P.O. Research Labs on the occasion of our Jubilee celebrations this year and to discuss with senior research staff the optimum siting and accommodation of research activities.

In addition, on the return journey to Australia, he visited the Headquarters of A.T. and T. for discussions with senior research management.

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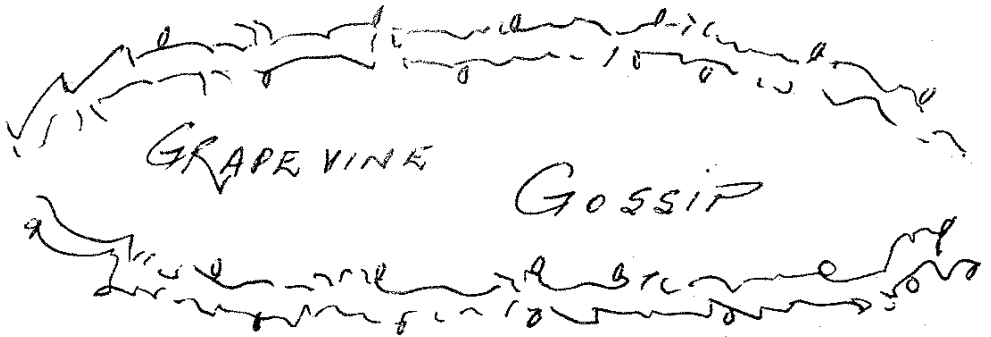
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Peter Friedstein, Prototype Shop, hopes to be off to South America in May. At present, however, he is experiencing no end of trouble with the usual red tape of visa and other rigmorole. The main reason for Peter's trip is to visit his brother whom he has not seen for 30 years.

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Also leaving for overseas in May are Pam Finlay and Gail McMenamin (Library). They intend to start off in England then Scotland to be followed by Scandinavia, Germany, Italy, and Greece - quite an itinerary!

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Apparently there were fun and games amongst some of our sailing fraternity during January. Les Murfett got into difficulty during a storm over the Dromana area. After dragging his anchor for several miles he was delivered safe and sound to Blairgowrie by a MOTOR boat.

Less fortunate was Frank Arter who had No.1 daughter and other teenage friends out for a cruise. Whilst demonstrating how to get into the boat in deep water, he discovered the boat had disappeared with full sail when he broke water. Far from olympic standard Frank gave up after a short chase and settled for a 400 yard swim to shore. Needless to say the children were chastised for their nautical ways.

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Talking of No.1 daughters, Ashley Conroy is most grateful to his many friends in the Labs for their kind thoughts and consolation following the level crossing smash in December in which his married daughter was severely injured. Despite a fractured spine and leg and severe lacerations to many parts of her body it is expected she should now make a perfect recovery in about 3-4 months.

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Another daughter in the news is Fiona Mottram offspring of Metallurgical Mottram. Fiona was walking family canine, Sox, along the banks of the Koonung Creek when she was confronted by a three foot tiger snake. Despite the efforts of Sox the snake escaped. Incidentally Fiona showed an outstanding turn of speed.

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Don Sheridan had both an enjoyable and regrettable task of farewelling Laurie Bridgeman Prototype Shop early this month. Laurie has accepted a position of Trainee Teacher with the Coburg Technical College upon completion of which he expects to be posted to a country area. As a reminder of his many happy years in the Labs Laurie was presented with a briefcase to use in his new career and a "role of lettuce" to use as he wishes.

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Tony Stevens, well known engineer from Lab Instrumentation has wisely invested the results of his latest salary rise in a Ford Cortina Station Wagon to transport himself and the four ladies of his family. Poor fellow seldom gets a word in.

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Merle Cuzens and Helen Rodd, two of our top Librarians visited Canberra recently for one week to attend a seminar at the Australian National University. Incidentally after reading the daily business it appears that Merle is still having the same old trouble of other officers trying to start up their own personal libraries.

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Peter Hider, Training Annexe, returned from leave looking very fit and sun-tanned. Seems Pete spent the entirety of his leave drifting around the Gippsland Lakes on a house boat.

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Peter Perichon, Building Clerk, Block F still has that far away look in his eyes. Though his pocket may have lost its jingle the happy memories of December/January spent in Pago Pago, Suva, Honolulu, Auckland etc. and those balmy nights aboard the "Oriana" were worth every cent.

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Congratulations to Elaine Alexander and Ruth Flinn, library officers-in-training who passed their final exams with merit. You will find Elaine at present In Charge of the Planning Library and Ruth In Charge of the Switching Library.

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In addition we congratulate David Clutterbuck and Michael Shanahan for becoming eligible for entry to the third Division by passing their required subjects in the 1972 Leaving Certificate examination.

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Svend Dossing and family sail for London aboard the S.S. Australis on 5th March 1973 and won't return until December. They have planned a wonderful itinerary for their 10 months furlough. Svend intends to buy a campmobile (similar to Volkswagen Dormobile only slightly bigger) and use it whilst travelling around the U.K. and Europe. He is undecided about the time of his return and mode of travel. There is a possibility that the family will visit South Africa on the way home. We shall expect quite a story from Svend for the February 1974 issue.

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? $2^2 + 3^2 = 3^2 + 4^2$
 Postwork
 $\sqrt{629}$?

? $\frac{1}{2} + \frac{3}{8} \times \frac{7}{16} = ?$
 Posers

1. THE TWO SAILS

At the local sailing club they were checking over their equipment when Les Murfett, a mathematically minded member remarked that the two sails on his boat shared a curious property: the area of each in yards was equal to its perimeter in yards. Both sails, it should be mentioned, were of the usual right triangular shape and were of different dimensions, all dimensions being integers. What must have been their areas?

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2. CHEAPER BY THE THOUSAND

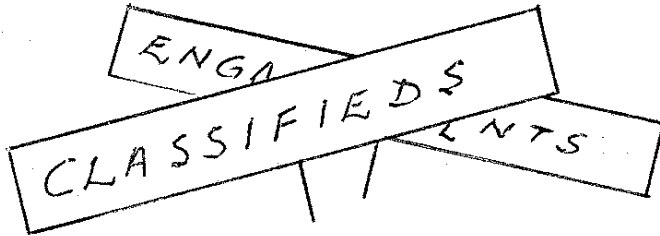
A noted mathematician was shopping at a hardware store and asked the price of certain articles. The salesman replied, "One would cost 10 cents, eight would cost 10 cents, seventeen would cost 20 cents, one hundred and four cost 30 cents, seven hundred and fifty six would also cost 30 cents and one thousand and seventy two would cost 40 cents". What was the mathematician buying?

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3. A FLAG PROBLEM

Suppose three new states, say, Guam, Midway and Puerto Rico were added to the United States. Then the number of states would be 53, a prime. We could no longer design a symmetric field of stars for the flag: true or false?

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WANTED TO SELL

Head Rests for Vehicle, as new, used four times, dark red, \$10.00 the pair.

Car Radio, manual AWA Cruise-master, complete with speaker and aerial, \$25.00.

Contact Ashley Conroy 7904.

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Pram (Barnes), good condition, removable Bogie, \$19.00.

Contact Tony Stevens 7981.

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WANTED TO BUY

Aluminium boat (car-top) up to 12 feet - with or without motor.

Contact Roy Potter 7951.

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LOST AND FOUNDFound

A gentleman's signet ring during the clean up following the Block S Christmas Party on 22nd December 1972. Would owners please form a queue outside Mike Chirgwin's office and identify same.

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MARRIAGES

Line and Data Systems Dominic Liistro to
Majorie Dickson.

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Polymer Terry Elms to Susan Savige.

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BIRTHS

Systems Development to Noel and Pam McLeod,
a son, Philip James, brother
for John.

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Line and Data Systems to Laurie and Sharron Bouchier
a daughter, Kellie Jane, sister
for Luke.

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Solid State & Quantum Electronics to Harvey and Kathy Sabine
a son, Martin Scott.

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Lab. Instrumentation to Peter and Miriam Darlow
a son, Gareth Stephen.

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Lab. Instrumentation to Peter and Robyn Dalliston
a daughter Michelle Louise.

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Design (Special Projects) to Barry and Sandra Hawkins
TWIN DAUGHTERS - Simone
Nicole and Katy Louise.

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Unguided Media to Graham and Rosemary Newman
a son, Adam John.

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Labs Instrumentation to Colin and Netta Barling
a daughter, Tess, Alexandra,
Victoria.

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Radio Systems to Robin and Margaret Blair
a daughter, Bridget.

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AVAILABLE TO RENT

Furnished House, Alphington Area available June/July/August 1973.
Rent negotiable.

Contact Roy Potter 7951.

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A D A T E T O R E M E M B E R

- Friday 29th June -

for the Laboratories Jubilee Ball

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ARRIVALS AND DEPARTURES

Welcome to: -

Ken Everett	App. Fitter and Turner
Peter McGibbany	C.A. 4 Block C
Graeme Moran	T/TA1
Peter McIntyre	Building Clerk, Block W
Shelagh Douglas	Library Officer

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Farewell to: -

Sylvia Thomas	-	from Block A who has gone in the market survey area.
Spiro Mallia	-	from Network Theory who has returned to a teaching position with the Education Department.
Peter Hill	-	Building Clerk, Block W who was promoted to the Welfare Section, Victoria.

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Australian Postal InstituteCentral Office BranchCar Rally and Picnic

Sunday 18th March - Starting 10.30 a.m. from
the corner of Banksia Street and Lower Heidelberg Road
(Safeway Supermarket)

Fun for all the Family

Short morning drive followed by a picnic lunch (B.Y.O.)

Hot water and B-B-Q's available

Afternoon races for children

Ladies - "Throw the Rolling Pin"

Prizes Galore

Cost 50 cents per car

Those intending to participate are required to contact
one of the following no later than 9th March please.

<u>Barry Woolcock</u>	6876
<u>Bob Harvey</u>	7924
<u>Stan Barnard</u>	7925

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ON DIGITAL COMMUNICATION

"But let your speech be yea, yea; no, no; and that which
is over and above these is of evil". Math. 5, (37).

(1100, was he talking of the 12?).

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