

# "Fore-Sight"



"Fore-Sight"- Quarterly Newsletter of the Association of Surveyors of P.N.G.

## Survey Congress Addresses Controversial Land Issues



The above graphic illustrates the proposed approach that will be adopted in the implementation of the proposed Legislation on Customary Land Registration in PNG.

This model was presented to the gathering of surveyors and allied land management professionals at the 37th PNG Survey Congress held at the Holiday Inn in Port Moresby from July 10th to 12th.

The Official Opening and Keynote Address was given by the Hon. Sinai Brown, Minister for National Planning and Rural Development. The Minister's speech was down to earth and provided a good platform for the Congress with realistic expectations.

Loani Henao of Henaos Lawyers, a consultant to the Department of Lands & Physical Planning, presented the first technical paper entitled - "Voluntary Registration of Customary Land in Papua New Guinea". This was a comprehensive and definitive statement on the proposed legislation and dispelled many of the 'anti-lobbyist claims'.

The Acting Chief Commissioner, Josepha Kanawi of the Lands Titles Commission followed this presentation with a relevant paper - "What Does A Surveyor and a Lands Title Commissioner have in

Common?"

Tony Power, the executive director of Ivan Enterprises Ltd, then presented a comprehensive paper on the "Creation of Melanesian Property Rights - Building Bridges Between Custom and Commerce".

Norm Oliver presented his paper - "Review of Land Dispute Settlement Organisations and Mechanisms" that had previously been prepared for the UNDP Land Mobilisation Programme in 1995. Norm spent many years in PNG with the Lands Titles Commission prior to becoming a consultant with the Department of Lands.

The paper presented by three members (Smyly Bannerman, Wycliffe Anonio and Kathryn Apelis) of the Melanesian Land Studies Centre based at the University of Technology, Lae was headed "Resource Requirement for Effective Voluntary Customary Land Registration". This paper explored a number of alternatives looking at the implementation of the proposed Legislation on Customary Land Registration.

Kanawi Pouru, Joseph Badi and Muyang Besenke presented their paper - "Challenges and Opportunities of Customary Land Registration in the Forestry Sector". This paper highlighted the necessity for appropriate registration of customary land to enable proper disbursement of royalties and other benefits from resource development projects.

A paper dealing with the Australian experience with Native Title there was given by overseas guest Peter Swan, President of the Institute of Surveyors Australia. Many of the points recognised there will be relevant to dealing with customary land issues here.

The consensus of opinion was that a form of Voluntary Customary Land Registration can be achieved in PNG. It will take time to organise, and time to implement. The source and method of funding the implementation of any program is paramount. It could be that Customary Land Registration will be on an 'as required basis'. This meaning that as land is needed of the expansion of urban centres, or for rural and/or resource development projects, it will be presented for registration by the relevant owners.

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September 2003



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# News from ASPNG Council

*Courtesy Masang Bangindo, Secretary / Treasurer*

## 1.0 Introduction

I would firstly take this opportunity to thank the members to vote me as a council member and appointed Secretary / Treasurer of the Association of Surveyors of Papua New Guinea. It gives me great pleasure to take part in this Association of ours and to serve the members and the Surveying Profession in Papua New Guinea.

To begin is a list of Councilors for July 2003-June 2004, and their position

|                  |                      |
|------------------|----------------------|
| Stephen Low      | President            |
| Jones Taugaloidi | Vice President       |
| Masang Bangindo  | Hon Sec. / Treasurer |
| Bob Curley       | Councillor           |
| Francis Posinau  | Councillor           |

## 2.0 Sub Committees

Survey Act:  
Luther Sipison (Chairman)

Customary Land Registration:  
Terence Kuniaka (Chairman)

Vision for the Future :  
Jones Taugaloidi (Chairman)

## 3.0 Voluntary Customary Land Registration

The propose Legislation on voluntary Customary Land Registration is still going thru its awareness campaign with seminars conducted at University of PNG, University of Technology and Divine Word University. This awareness will take a total of three (3) years and will be finalized by 2007.

As custodian of the cadastre, we should play a major part in the propose legislation and also the implementing of the legislation by way of draft survey instructions on methods, survey equipments to use in carrying out these customary land registration surveys. After all, we as surveyors will be practically involved in implementing this legislation. By getting involved will give us a chance to educate the public on the type of surveys, we as surveyors do and also create jobs for ourselves. If I can recall from Mrs Kanawe's conclusion in her paper presented in the 2003, 37 Survey Congress and I quote;

*There is a need for surveyors to be on the staff of the Commission full time. The Commissioners are usually appointed from people*

*who have law background. The Chief Commissioner must be a fully admitted lawyer. We, as Commissioner therefore lack the training and the skills to read maps and understand the language surveyors used. End of quote.*

This is our change to show and tell them that this is our field of expertise and we should take the led role.

## 4.0 Membership

Eight applications for membership were received and are yet to be considered by council.

The current membership figures as obtained from the Secretary's Report for ASPNG Council for the year ending 30<sup>th</sup> June 2003 are as listed :-

|                                 |            |
|---------------------------------|------------|
| Hon. Fellow (Overseas 01/08/03) | 1          |
| Fellow (Overseas)               | 2          |
| Fellow (Resident)               | 3          |
| Corporate (Resident)            | 59         |
| Corporate (Overseas)            | 18         |
| Associate (Resident)            | 26         |
| Associate (Overseas)            | 0          |
| Student                         | 0          |
| <b>Total Membership</b>         | <b>109</b> |

From ASPNG Membership records there is a total of 109 members compared to Unitech 's graduate record of 1000 graduates. It is a shame, that we should have at least half of these graduates as members of ASPNG. Recent graduates and young surveyors are not on our membership list, so will concentrate on tracking their names and address from Unitech to improve our membership participation ~~from~~ the young graduates.

We will try our best to get as many graduate to be come members and also get the Surveying students involve. We need to get the students involve has they 'll be the future leaders to led our profession into the future.

Member's names will be updated and hopefully published in the next issue of *Fore-Sight*.

Membership invoices have already been sent out and members are urged to pay the annual membership fee.

## 5.0 Congress

The 37<sup>th</sup> survey congress was a good and enjoyable one. More than sixty delegates attended, which is a good number given the small membership figures.

Next year's congress will be in Lae and the Congress Manager is Mr Luther Sipison. The Congress Theme has not been decided yet and members are call to submit suggested Congress Theme to the Congress Manager. There will be a prize for the winning Congress Theme.

## 6.0 Condolences

The Association of Surveyors of Papua New Guinea marks with great sadness the passing of Surveyor Peter Norefa, who lost a courageous battle to heart attack and also extends it's condolences to Ian Robert Sparks on the passing of his wife, Margaret.

We are all with you in your losses, and offer our most sincere condolences to you and your families.

**Masang T. Bangindo**  
Honorary Secretary / Treasurer.

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## SURVEYORS CPD QUIZ

In the United States, since 1910 - the standard method of marking a corner in the rectangular system of land surveys has been by ....

- A. A charred wooden stake
- B. A stone monument
- C. An iron post
- D. A concrete monument

Answer D was the correct answer to the last question (no more "D's" for a while you're getting too good !!!).

## Highlights from the 2003 PNG Survey Congress



We all enjoy a good Survey Congress, and thanks to the efforts of 2003 Congress Manager, Michael Larmer (pictured above with Merlyn Alacroz) we were not disappointed.

A pertinent congress theme, a good range of topical papers, and well organised social events assured delegates of a time to remember again this year.

From the Honourable Minister's 'off the cuff' and down to earth remarks in his opening address, to the summation at the end of presentations by ASPNG President Steve Low, many aspects on the issues associated with Customary Land Registration in PNG were discussed.

It was welcome to see a number of guests attend the technical sessions - Sir Barry Holloway had many erudite comments to offer from his wealth of experience in Papua New Guinea. Brian Aldrich similarly contributed to a number of discussion points.

As anticipated, the theme "Registration of Customary Land—The Ultimate Challenge for PNG Land Professionals" evoked plenty of comments both at question time and during the session breaks.

Michael Larmer in his pre-congress organisation made every attempt to offer "THE NO CASE" an opportunity to be heard at this most important congress. Is it a moot point that nobody from that persuasion took the opportunity to attend and be heard (???). As a reminder to delegates, reprints of recent full page newspaper advertisements against Customary Land Registration were published with the technical proceedings.

Contributing towards the success of this Survey Congress was the diversified nature and content of the papers addressing the theme as well as the broad cross-section of PNG land management professionals that attended and gave papers. The various professions represented included :-

- The legal profession
- Land Titles Commission
- Lands Department
- Land Management Consultants
- University of Technology
- Forestry
- Overseas Experience

A good attendance by ASPNG members ensured the financial viability of the Congress. They're not cheap to run.



What a great photo !!! Surveyors James Murray and Ian Young looking mischievous during the Annual Dinner ...

The social events are an integral part of the Survey Congress, and the venue at the Holiday Inn provides plenty of scope for all nature of functions. A surprise guest at the President's Welcoming Cocktail Party, the Hon. Bart Philemon gave ISA President Peter Swan a chance to renew acquaintances with an ex rugby team mate.

The Annual Dinner of the ASPNG was the usual fun evening and Master of Ceremonies Bob Curley ensured the entertainment flowed copiously. Sergeant At Arms Tony Luben raised a goodly sum for charity.

And of course the Congress was given prestige by the presence of overseas guests, their presentations and the quality and content of the Trade Displays. Our thanks to Peter Swan, President ISA; Peter Ludlow from MeasureTek in Cairns, and Ian Truscott from C.R. Kennedy & Co out of MacKay for their attendance at the Congress.

And members thanks to Michael Larmer.

And there was those who couldn't make the Congress but sent their best wishes for a successful outcome. David Sinclair from Qasco in Brisbane sent his best regards while the following letter was received from Graeme Arman in Tallebudgera Valley, Queensland ::

Dear Members,  
May I congratulate your Association on their efforts to address Customary Land Issues, which are probably the most crucial issues facing PNG today.

The economy of every country, and the social welfare of its people, are dependant on a Workable Legal Structure on which the nation can create and build its future.

It's a fundamental strategy of national priorities, a Master Plan for Agrarian Development is required now, while the framework to embrace such issues, be it traditional, social, economic or institutional, must be established as a cadastre to address land matters pertaining to PNG.

For the care of future generations, these issues must be addressed, and decisions taken to formulate workable solutions - now!

Cheers and Beers to All.

Graeme Arman  
10 July 2003



At the end of the day its all about surveyors being mates - Francis Posenau assists Gairo Wai after a "wine tasting ceremony" at the Annual Dinner.

## More of the Congress in Pictures Photos by Masang Bangindo



There's that man again .... Congress Manager's seem to enjoy themselves after all the hard work



Peter Swan - President of the ISA, chats with C.R. Kennedy's Ian Truscott



ASPNG President Steve Low shares a laugh with Terrence Kuniaka when awarding him "The Paddle"



Francis Posenau taking the opportunity to emphasise a point with .....



Josepha Kanawe (right) enjoying a glass of wine with a friend at the Annual Dinner



L to R : *Genio Dominic, Rava Mase*



Theodist's Shawn Pini with Measure-Tech's Peter Ludlow - Annual General Dinner



Merlyn Alacroz, Marvin Pasaiwa, Alan Dunley and Shawn Pini posing for the camera



Michael Larmer assuring Luther Sipison that being a Congress Manager is fun - good luck Luther in 2004



Overseas and local delegates warming to the social action after a hard day with the Technical Papers



Friends one and all, enjoying a quite ale at the indoor Farwell Bar.B.Que



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# A Vision for the Future *by Masang Bangindo*

These notes were compiled from publications in the Queensland Surveyor's magazines, National Competency Standards for Professional Surveyors and the Institution of Surveyors Australia Web Site, now Spatial Science Institute.

*In the early part of the last century, the community held surveyors in high esteem for their knowledge, talent and vision. They had significant influence in shaping the colony through their discovery and later design and layout of towns and cities.*

*With the significant advance in technology, this also brought opportunity to provide new exciting and diverse service, which we need to be equip and prepare to take on this wide range of careers that reflect these changes. Peter Swan, FIS Aust. President*

It was said that this change in technology would make jobs easier, surveyors would be redundant and that anybody would do almost anything with a press of a button. Well that was the impression they had.

It is true, this change in technology has brought instruments that are simpler to use and more accurate. We can complete surveys in a fraction of the time compared in the past. To use these instruments, there is the need for a wide variety of skills that simply did not exist. Effective field surveyor has to be computer literate to a high degree, familiar with more than one computer package.

Total stations now have built in user programs and as surveyors; we have to master our tools of trade to use them to their full capacity.

The survey tasks are the same but the methods used to carry them out is changing, i.e. with already established control, additional point coordinates (x, y, z.) can be derived using *Free Station (Resection method)* of the *Total Stations User programs*. No need for traversing, observing bearing and distance to calculate coordinates.

Points are set out using coordinate technique and not bearing and distances as previously used. This reduces calculation time as set out points are already supplied in coordinated data form.

The *Total Station User Programs* are designed to tackle survey calculation and it's a matter of getting to know how to use them and understand the data required for input

and results it gives.

With the introduction of GPS has also made it easier to measure and establish large and long control network with in a short time instead of triangulation traverse for weeks and months. There is also the reduction in long tiring hours of calculations with the application softwares that can provide results with a press of a button. These results are stored electronically in digital data form. GPS can be use in almost every different fields of surveying with no need to observe ground survey control (PSM) but control marks in the sky.

There is the space imagery and Aerial photography, which can be use for large area project planning proposals and the Internet as a transportation medium to transfer and distribute data electronically by electronic mail (email). The current introduction of mobile phones will keep you constantly in touch with your clients and the world around you.

As measurement scientists and data gatherers, we must master our tools of trade to fully utilise them to give the best results and carry out survey task satisfactorily.

Rapid changing technology has effects on surveying. Instruments become absolute after few years and constant pressure is put on surveyors to keep up to date.

Society is changing at an unprecedented rate. To remain relevant to the rest of the society we must adapt to the surrounding changes. We need to redefine a vision for the future of surveying in Papua New Guinea, be it a name change; merge with another related professional institution or deregulation of the Survey Act, Survey Regulation and the Survey Directions that will accommodate these changes.

To sum up, I have included the Definition of a Surveyor as adopted by the Institution of Surveyors Australia published in the July 1996 edition of the National Competency Standards for Professional Surveyors.

## *The Definition of a Surveyor*

*A Surveyor is a professional person with the academic qualifications and technical expertise to practise the science of measurement; to assemble and assess land and geographic related information; to use that information for the purpose of planning and implementing the efficient administra-*

*tion of the land, the sea and structures thereon; and to instigate the advancement and development of such practise.*

*A professional surveyor will practise surveying for the benefit of the society. The practise of surveying may involve, but is not limited to, one or more of the following activities which may occur either on, above or below the surface of the land or the sea and may be carried out in association with other professionals.*

- *Acquiring, interpreting and manipulating geodetic data to determine the shape and size of the earth and its surface.*
- *Designing, establishing and managing the spatial infrastructure and fundamental data sets needed to support economic development and environmental management at a local, provincial, regional or national level.*
- *Maintaining a spatial infrastructure as required, to support an effective cadastre and effective land tenure systems that meet real estate market requirements.*
- *Determining, locating and defining the boundaries of public and private land (including national boundaries), interpreting anomalies in the cadastre, and arbitrating on disputes over boundary location.*
- *Designing, establishing and managing spatial reference systems to provide a homogeneous framework for geographic and land information systems.*
- *Collecting, analysing and managing geographic data and designing, establishing and administering land and geographic information systems.*
- *Measuring, controlling and monitoring the shape, size, and location of physical features, structure, machines and engineering works and determining their spatial relationship.*
- *Measuring and mapping seabeds, lakes and waterways; measuring tidal movements and current flows; providing information for navigation and maritime developments.*

(continued over ...)

## A Vision for the Future (contd)

- Providing information and advice, pertinent to property and its environment, to assist in determining the best sustainable land use and development.
- Assessing the potential benefits or disadvantages that could accrue from property development and advising clients and government accordingly.
- Contributing to the development and management of urban and rural properties by planning, advising, negotiating and implementing procedures.
- Planning, estimating, designing, measuring and implementing projects such as construction works, mineral exploration, and mining and applying prudent financial control and sound project management principles.
- Producing for clients, plans, maps, files, data bases, models, charts and reports.
- Advancing the science of measurement ; the management and administration of land and land information; effectiveness of surveying ; the assessment, management, and introduction of new concepts such as geomatics and geoinformatics.

In application of the foregoing activities, surveyors take into account the relevant ethical, legal, financial, environmental and social aspects affecting each project.

The motto of this letter is to share with fellow surveyors the changes that our profession is going through and to encourage membership participation.

Masang T. Bangindo

## COMING EVENTS

22—26 September 2003

**Inaugural Conference of the Spatial Sciences Institute (Australia).**

**Theme :** *Spatial Knowledge Without Boundaries.*

**Venue :** National Convention Centre, Canberra, Australia.

**Register Online at :**

[www.spatialscience.org/Conference](http://www.spatialscience.org/Conference)

## NAVSTAR GPS RELATED ACRONYMS AND ABBREVIATIONS

|          |                                                          |        |                                                         |
|----------|----------------------------------------------------------|--------|---------------------------------------------------------|
| AE       | antenna electronics                                      | PI     | preplanned product improvement                          |
| A/D      | analog to digital                                        | PPM    | parts per million                                       |
| AFB      | air force base                                           | PPS    | precise positioning service                             |
| AFI      | automatic fault indication                               | PPS-SM | PPS security module                                     |
| AFS      | air force station                                        | PRN    | pseudo random noise                                     |
| AHRS     | attitude & heading ref. System                           | PTTI   | precise time & time interval                            |
| AIMS     | airspace traffic control radar beacon system IFF Mark XI | PVT    | position velocity & time                                |
| A/J      | anti-jamming                                             | RAM    | reliability and maintainability                         |
| AOC      | auxilliary output chip                                   | RCVR   | receiver                                                |
| A-S      | anti-spoofing                                            | RF     | radio frequency                                         |
| ASIC     | application specific iteg. Circuit                       | RMS    | root mean square                                        |
| ATE      | automatic test equipment                                 | RNAV   | radio navigation                                        |
| BCD      | binary code decimal                                      | RT     | remote terminal                                         |
| BIH      | Bur. International de L'Heure                            | RTCA   | Radio Technical Commission for Aeronautics              |
| BIPM     | Int. Bur. Of Wts & Measures                              | RTCM   | Radio Technical Commission for Maritime Services        |
| BIT      | built-in test                                            | S/A    | selective availability                                  |
| BPSK     | bi phase shift keying                                    | SAMSO  | Space and Missile Systems Organisation                  |
| C/A code | coarse / acquisition code                                | SBB    | smart buffer box                                        |
| CADC     | central air data computer                                | SC     | special committee                                       |
| CDMA     | code division multiplex access                           | SEP    | spherical error probable                                |
| CDU      | control display unit                                     | SI     | International System of Units                           |
| CEP      | circular error probable                                  | SIL    | system integration laboratory                           |
| CMOS     | complementary metal oxide semi-conductor                 | SINS   | shipborne INS                                           |
| C/No     | carrier to noise ratio                                   | SPS    | standard positioning service                            |
| CRPA     | controlled radiation pattern antenna                     | SRU    | shop replaceable unit                                   |
| CSOC     | consolidated space ops centre                            | STDCDU | standard CDU                                            |
| CW       | continuous wave                                          | TACAN  | tactical air navigation                                 |
| DAC      | digital to analog converter                              | TAI    | International Atomic Time                               |
| dB       | decibel                                                  | TBD    | to be determined                                        |
| DGPS     | differential GPS                                         | TDOP   | time dilution of precision                              |
| D-Level  | depot level                                              | TFOM   | time figure of merit                                    |
| DLM      | data loader module                                       | TTFF   | time to first fix                                       |
| DLR      | data loader receptacle                                   | UE     | user equipment                                          |
| DLS      | data loader system                                       | UERE   | user equivalent range error                             |
| DMA      | Defence Mapping Agency                                   | USNO   | US Naval Observatory                                    |
| DoD      | Dept of Defence                                          | UT     | Universal Time                                          |
| dRMS     | distance root mean square                                | UTC    | Universal Time Coordinated                              |
| DRS      | dead reckoning system                                    | VDOP   | vertical dilution of precision                          |
| DT&E     | development test & evaluation                            | VHSIC  | very hi speed integrated circuit                        |
| ECEF     | Earth-centred Earth-fixed                                | VLSIC  | very lge scale integrated circuit                       |
| ECP      | engineering change proposal                              | VOR    | very high frequency (VHF) variable omni radial (?) - Ed |
| EDM      | electronic dist. Measurement                             | WAAS   | wide area augmentation system                           |
| EGNOS    | European Geostationary Navigation Overlay System         | WGS-84 | World Geodetic System 1984                              |
| EFIS     | electronic fti instrument system                         | YPG    | Yuma proving ground                                     |
| EM       | electro magnetic                                         | 1 PPM  | 1 pulse per minute                                      |
| EMCON    | emission control                                         | 1 PPS  | 1 pulse per second                                      |
| ESGN     | electrically suspended gyro navigator                    |        |                                                         |
| FAA      | Federal Aviation Admin.                                  |        |                                                         |
| FMS      | foreign military sales                                   |        |                                                         |
| FOM      | figure of merit                                          |        |                                                         |
| FRPA     | fixed radiation pattern antenna                          |        |                                                         |
| O-Level  | organization level                                       |        |                                                         |
| OTHT     | over the horizon targeting                               |        |                                                         |
| PC       | personal computer                                        |        |                                                         |
| P-Code   | precise code                                             |        |                                                         |
| PDOP     | position dilution of precision                           |        |                                                         |
| PLSS     | precision location strike system                         |        |                                                         |
|          |                                                          | CRAP   | centrally rotated automatic prism                       |
|          |                                                          | EGGS   | emergency geocentric guidance system                    |
|          |                                                          | GMT    | geo-referenced mapping tile                             |
|          |                                                          | LOOSE  | lost or otherwise stolen equip.                         |
|          |                                                          | MISC   | mission impossible space craft                          |

Fore-Sight thanks Geo-Mark for this information. Here's a couple of extras ...

## Three Great Years in PNG

*Courtesy of David Sinclair (ex PNG Surveyor)*

My three years in PNG, from 1979 to 1982 will always be remembered as an exciting learning experience, and lots of fun. In May 1979, I left the cold of north-east Victoria as a green surveyor, to take up a position with the Department of Works and Supply in Lae. The six months there is a blur from the surveying aspect, but I will remember the incredible downpours, resulting in water everywhere which then quickly disappeared.

Like was to occur elsewhere in PNG, I met many friendly people, some of who were to become lifetime friends. The introduction to Hash House Harriers (HHH) was a shock to a previously committed non-runner, who soon became sick of being down the back of the pack. No more boring Monday nights.

In October 1979 I was frog marched to the confines of headquarters under Chief Surveyor Dave Johnson. The survey "heavies" all went out of their way to make me feel part of their team. John Kronenberg and Alan Spence looked after contracts, Bruce Forester was the computer guru, and Kevin McConnell had the best job - running the training school.

Two survey projects remain prominent in my memory. The first was spending two idealistic weeks on Samurai Island while undertaking a survey for a new water supply pipeline from the mainland. Friendly people, coconuts for lunch, and perfect weather. I was in no rush to finish that job.

Second was a road centre line survey marking out a proposed rear entrance to the Prime Minister's residence. Apparently I caused some angst to Mrs Somare when clearing a line through her banana bushes, resulting in a quick site visit by David Johnson to rectify the errant ways of his junior surveyor. This incident was quire a discussion topic, over many an SP at the Port Moresby Sailing Club.

An experience, but not always good, was turning a new house and bare ground at the new suburb at Gerehu into a home. The Friday night attempts by rascals to steal your car became as regular as clockwork.

At first the thought of a transfer to Mt. Hagen was assessed as moving out of the frying pan and into the fire. However, accepting this position in the Highlands was again to prove the right move. The High-

lands scenery is spectacular, and the weather almost always perfect.

Rural Surveys are what every surveyor loves. My time in the Highlands provided me some exciting projects, from bridge site surveys over steep and deep ravines; to road surveys along narrow ridges to remote villages; to the upgrades of airstrips built on the sides of mountains.

As luck would have it, in August 1980 I was promoted to chief paper shuffler after the departure of a Kiwi engineer, and given the title of Provincial Manager for the Western Highland Province. This took me out of my technical comfort zone and into managing projects such as the sealing of the Highlands Highway, and building an operating theatre at the Mt. Hagen Hospital. These opportunities were certainly not available to a lowly surveyor working in Australia.

Life was not all work, with many a Wednesday afternoon spent playing golf with the bank managers on the magnificent town course. The grip of HHH continued, leading to my more serious running participation, in the 1981 Port Moresby Marathon. Yes I made it, but also learnt my lesson and never tired another one.

Strong friendships were made while I lived in the Highlands. Within our industry I will always remember Fred Pratt even though we didn't often catch up, Michael Larmer for his sincerity and hard work on almost every survey conference, Alan Dunley who really showed me what drinking SP was all about, and Joe Wolfe who took me under his wing when I was confronted with difficult surveys in remote locations. And how could I forget Clive Carson and the time he repaired his seagull outboard motor, which was bolted to the kitchen table. When the motor eventually started, the water in the plastic bucket surrounding the propeller, was splattered throughout the kitchen in a blink. What a clean up. Luckily, Pat was not in town.

In summary, I will never forget the magnificent rural scenery, tremendous career opportunity and life long friendships made during my short three years in PNG. I look forward to returning.

*Many thanks for your great contribution to "Fore-Sight" David, and yes we'd like to see you back, maybe for a Congress? - Ed*

## Overseas Surveyors Retain Ties With ASPNG

Members may be surprised to note that out of our current ASPNG membership, 21 surveyors are overseas members. Nineteen are resident in Australia, one in New Zealand and one in Fiji. (That happens to be 21 members out of 112 by the way !!!).

It is with great pleasure that we introduce in this issue of "Fore-Sight" some recollections from one of those members, David Sinclair. David has been kind enough to take the time provide this contribution.

After leaving PNG, David bummed around for a few months on holiday, then joined the Qasco Group in February 1983, moving to Darwin and managing the Northern Territory operations. You guessed it, to David that was about as close to the PNG lifestyle that he could find in Oz. He says, "Territorians are a great mob".

In 1987 he moved to Brisbane, and in 1990 became a director and shareholder of Qasco. He says the company is fun to work for and hard work by all has seen success to be proud of. Qasco has completed some high profile projects like the Kalgoorlie Super Pit, The Century Minesite, the Golf Coast Monorail, and the Lang Park Stadium Redevelopment, and won a number of awards. There have been a number of international successes also.

Like most surveyors he enjoys contributing to the development of our industry, and has taken on roles with the state and national bodies of the private sector organisations (ACS and ASIBA) in Australia. He is also involved in the new national industry professional association, the SSI. Today, he is chairman of the CSQC (the quality corporation for land professionals), and is a mentor to QUT surveying students.

His goal is to assist our industry to the next level of success. David says, the technical skills are sound, but the relationship skills can be developed to make better leaders.

Recently, David enjoyed a trip to Japan as the private sector (ASIBA) representative to an Australian Delegation at the UN Mapping conference.

**Next issue,** we have a comprehensive and interesting run down on the surveying activities of Garry Crosse during his time in PNG. This includes some memorable PNG surveying jobs and some very innovative approaches to different surveying tasks.

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## Members & Other News ...

Its amazing what turns up out of the woodwork when least expected. Remember we made a plea to get the infamous ASPNG "Shit-Stirrer's Paddle" returned (???). Well, not one but two appeared at the Congress. It seems that surveyor Francis Posenau needed it all that time while paddling to and fro from Manus, and surveyor Ian Young needed his because he hadn't quite finished stirring yet. The lucky recipient this year is surveyor Terrence Kuniaka. Leaves one paddle spare - any takers ???

Aussie survey rep Ian Truscott has joined the ASPNG so he can say that he belongs to a real Surveying Association. The "Yes Vote" in Australia has claimed the identity of a number of venerable surveying institutions. And who wants to be called a "Spatial Scientist" - good one Ian !!! - and welcome to the ASPNG.

Surveyor Bob Curley while delighted with the success of his GPS Surveying Course held in the days prior to the Survey Congress, has elected to have another stint at teaching - this time at the Pacific University in Fiji. We wish Bob well with this new venture and hope to see him back in PNG at the head of Geo-Mark before much longer.

*South Pacific*

The ASPNG Secretariat has been moved to PNG Survey Haus in Gordons. There was at least three ute loads of records, filing cabinets, furniture, and computing equipment - a substantial collection of history that will remain safe in the hands of Hon. Sec. Masang Bangindo.

Quotable Quotes : "Don't worry brother, I've never seen it rain in July" - Congress Manager Michael Larmer referring to the weather prospects for the Farewell Bar.Que. "Rained cats and dogs" is the expression I think.

The Editor wishes to thank all those who have taken time to contribute to this issue of your newsletter.

## SURVEYING PERSONALITY PROFILE : (Okay guy's, here's your chance to advertise)

### Name :

Anthony John Hopscotch

### When & Where Qualified :

1963 - University of NSW

### Current Employer :

AusAID

### Current Position :

Advisor

### Professional Memberships :

Association of Surveyors of PNG

### Summary of Work Experience :

42 years mainly involved with cadastral and engineering surveys around Sydney

### Career Highlights :

Work on Sydney Harbour Tunnel Project and South West Expressway

### Most Memorable Job :

Waterline survey Lady Jane Beach in 1983.

Your  
Photo  
Required

### Most Unusual Job :

Runway centre line survey Mascot Airport during peak traffic movements

### Ambition :

Avoiding any re-survey work at Mascot Airport

### Recreation & Sports :

Discos, Cricket and Football

### Anything to Add :

Yes, how do I get the Editor of my back ???

"Fore-Sight" is looking for PNG Surveyors to occupy this fictitious character's place. It's a chance to let people know who you are and what you can do. We'll run several profiles each issue if the response is good enough. Give it a go and contribute to your newsletter.

## Editorial Comment : The "Yes Vote" Carried in Aust.

Thanks to ISA President-Elect Peter Swan, who graced the survey congress with his presence, I learnt that the "Yes Vote" had been carried in Australia. The "Yes Vote" is about a number of professional associations proposing amalgamation. The poll, conducted in April this year, received around 80% for the "Yes Vote" - and naturally was carried.

The five institutions involved will now be known as the *Spatial Sciences Institute*. For individual members of the *SSI*, projected to number around 10,000, this will mean a united and strong voice in Canberra where the Australian government formulates its policies and decisions - especially in regard to areas of surveying, cartography, remote sensing, GIS, and other areas of spatial data gathering and presentation. For the institutions involved, it means a rationalisation of administrative and management matters. It also means that possibly over a period of time these institutions will perhaps lose their identity entirely.

The rationale of a united and strong voice representing many thousands of people in allied or related professions is admirable, and may reap great benefits in the future. The possibility that 30 to 40 year old institutions may disappear could sadly be the price of progress.

As a member of two of those professional institutions involved in the merger / amalgamation, I found it somewhat annoying that I didn't receive a ballot paper. I also found it somewhat annoying that I didn't receive notification of the result. Be that as it may, I probably would have voted on the side of the majority.

While this is happening in Australia, and has no immediate effect on the status or organisation of professional institutions in PNG, it may be timely to think about what may happen here in the future. It seems that in the proposed law for *Customary Land Registration*, surveyors will have a role to play. The extent of that role may well be dependant on the ability of surveyors to take the lead in the field of land administration matters. Just a thought ....

—Ed.