

AUSTRALIAN SOCIETY OF



EXPLORATION GEOPHYSICISTS

Number 17 November

Perth 1988

Registered by Australia Post
Publication No. WBG2390

PERTH OFFICE: 7th floor, 12 St George's Terrace,
Perth WA 6000, Tel: (09) 325 2955, Tlx: AA92792
GOLCOM, Fax: (09) 325 4562

PRESIDENT: Mrs E.A. Howell, Tel: (09) 322 7355 Fax:
(09) 322 7339

HON SECRETARY: Mr G.J. Street, Tel: (09) 222 3331
Fax: (09) 222 3633

PUBLICATIONS OFFICER: Ms A. Heath, Tel: (09) 322
1688 Fax: (09) 322 5321

HON TREASURER: Mr W.S. Peters, Tel: (09) 364 2707

CONTENTS

INTRODUCTION	1
ASEG BRANCH NEWS	1
WORKSHOP REVIEW	2
ASEG 7TH CONFERENCE NEWS	3
ADELAIDE ASEG/SEG INTERNATIONAL CONFERENCE	3
"IS THERE MORE THAN GOLD IN THE PHILIPPINES?"	5
ASEG SUBMISSION TO BMR REVIEW	6
PRESIDENT'S REPORT	8
PUBLICATIONS COMMITTEE REPORT	8
MEMBERSHIP	9
ADVERTISING	10
PROFESSIONAL DIRECTORY	
CALENDAR OF EVENTS	11

INTRODUCTION

It is with regret that I report the tragic news, given to us by Roger Henderson, that an airborne geophysical contracting company in the United States, Terra Sense Incorporated, had a fatal crash of their aircraft resulting in the death of the pilot, Harry Keilor and the navigator, John Dobson. These people were known to some of our members.

On a lighter note, Neil Gibbins sent in the following article which was spotted by Terry Crabb in the Advertiser earlier this year. The opening paragraphs were as follows:-

Roxby Downs is the "New Outback Glamour", a town built from scratch in 12 months and now home for 3000 people. Lance Campbell and photographer Graham Tidy visited the new community.

It had a simple start. Metre deep holes were dug, 800 metres apart, by a bloke called "Scruff". The ground was softened with water and probes were inserted, connected by two-core cable. The earth's secret was revealed on a seismograph. COPPER.

This was 13 years ago. Scruff and his mates had made a momentous discovery, one that would make the name of the pastoral lease on which they found their lode a byword in SA's - and Australia's - political, economic and environmental affairs.

It appears that Scruff and his mates were using a new geophysical technique to find copper. Is this another scientific technique lost in the mists of time like the creation of the Turin Shroud?

Recently, the Executive have received more comments and news items for inclusion in PREVIEW. I would like to thank the membership for their response, in particular the State Committees for sending in newsletters and membership movement. After returning home from a month overseas my job was made a lot easier.

Also recently returned from a trip overseas is Euan Clarke, who has provided an amusing article on his findings in the Philippines. The Executive Committee discovered by chance that one of their members, Laurence Hansen was recently married in England. They send the happy couple their best wishes and congratulations.

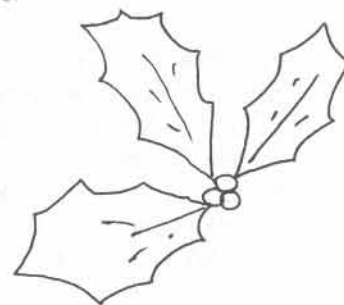
There is a correction to be made to the last PREVIEW. In the Calendar of Events, Feb 6 - 7, 1989 MIN PET, Mineralogy - Psychology

Symposium should have read "Mineralogy-Petrology Symposium".

I shall finish here by wishing you all a Happy Christmas from the Perth Executive and I hope that you enjoy the festivities being organised by your local branches.

Regards

The Editor



ASEG BRANCH NEWS

ACT

The A.C.T. Branch of the ASEG held a meeting on 12 October at the Polish Ex-Servicemen's Association Club in Canberra. Leon Allen from the Bureau of Mineral Resources gave a talk entitled "Indonesian-Australian Geological Mapping Projects (IAGMP) Gravity Survey in Indonesia".

The Branch held their Spring 1988 Golf Classic at the Queanbeyan Golf Club on 4 November in conjunction with the BMR Social Club. For news on future events contact the Secretary, Kevin Wake-Dyster on (062) 49 9401.

NEW SOUTH WALES

The next technical meeting of the NSW Branch will be on 17 November with Ken Zonge from Tucson, Arizona speaking on MT, AMT and CSAMT. In conjunction with Keeva Vozoff of Macquarie University, Ken is giving a workshop on these methods at the Hilton Hotel, Sydney, on 16-17 November. For further information contact Joy Martin at Macquarie University on (02) 805 7470.

Dr Ted Tyne, well known for his development of a computerised bore hole logging system, has been appointed to the position of Principal Geophysicist of the Geological Survey of New South Wales, formerly the position held by Steve Webster. Ted has been with the Geological Survey for 17 years and spent some time teaching Geophysics at the University of New South Wales. Derecke Palmer, a senior Geophysicist in the Survey and well known for his text books on the GRM method, ran a close second for this appointment.

SOUTH AUSTRALIA

The South Australian Branch held a meeting on 19 October at the A.M.F. Peter Fullagar of Western Mining Corporation gave a very informative talk entitled "T.E.M. Conductivity versus Depth Sections."

The Branch has been particularly active this month in that it held a Melbourne Cup Lunch with Student's Night and a Christmas Party yet to come. The Melbourne Cup Lunch was held on 1 November at the Waymouth Tavern. For \$20 the members enjoyed a three course meal with drinks and Max O'Connell (former Test Cricket Umpire) as guest speaker. The menu looked quite inviting and let's hope that not too much money was lost in the Calcutta Sweep.

Events to look forward to are Students' Night on 16 November and the Christmas Party on 14 December. For more information please contact the Secretary, Neil Gibbins on (08) 224 7305.

QUEENSLAND

The Queensland Branch held a meeting on 11 October in CSR House. Geoff Hines of Petty-Ray Geophysical gave a talk entitled "The Fundamentals of Tau-P". It was a very interesting talk in which he showed the Tau-P domain as an alternative representation to the common 2-D seismic traveltime data set (T-X). The traveltime equation was reviewed and some processing applications, along with examples, were presented.

The President of the Branch, Cameron Astill, sent in the following note:

"The Queensland Branch of the ASEG is rounding off the calendar with the Annual Christmas Dinner. This year we are dining in the Eleanor Room of the Queensland University Staff Club on Friday, 2 December. Hopefully, this date will not coincide with other Christmas celebrations. Pre-dinner drinks commence at 7.00 p.m. accompanied by delightful music from the Madelaine Charles Ensemble. The low cost of \$30 per person is made possible by the generous support of local exploration and service companies.

For further information on what is always a very enjoyable event, contact Danny Burns on (07) 231 7771."

WESTERN AUSTRALIA

The Western Australian Branch have organised a Golf Classic in conjunction with PESA and FESWA which will be held on Tuesday, 15 November. It has been described as an event that is not to be missed, being held at the highly acclaimed Cottesloe Golf Club. Golfers of all standards are invited to participate and play is expected to start at 12.00 p.m. Following the tournament, refreshments will be served and awards presented at the Club. Enquiries should be made to either Phillip Lawry on (09) 325 3188 or Tony Williams on (09) 425 4444.

The Branch Christmas Dinner will be held on 25 November at the Hunting Horn Restaurant in Applecross. For \$35 per head, members can enjoy a three course meal, beer, wine, soft drinks and entertainment by Rob Wilder playing 60's style music. For bookings please contact Craig Dempsey on (09) 325 1988 or c/- Marathon Petroleum Australia Ltd, P.O. Box 6192, Hay Street East, Perth WA 6001.

WORKSHOP REVIEW

ASEG WAVELET DECONVOLUTION SEMINAR SEPTEMBER 1988 - MELBOURNE

By Peter Grant, ASEG President (Victoria).

Seventy-five people attended the Second Wavelet Deconvolution Seminar in Melbourne at which interesting concepts and contributions were provided by Cam Wason (GSI), B. French (Tensor), R. Godfrey (Digicon) and a late entry, N. Hargreaves (Western). A broad cross-section of the Australian Industry was represented and presentation by the processing contractors proved the highlight of the seminar. The processing sequence was identical for all contractors except in the step of wavelet processing. Although there was little variation in the upper 1 second of data, there were both phase and time shift anomalies close to the main target zone. Variations in time of up to 13 msec were observed.

There were several excellent examples from the oil industry and the best paper award was given to D. Hearty from Petroz (we thank him for providing the data set).

Although the results this time were more controlled, not all the questions have yet been answered. Thanks to all contributors.

ASEG 7TH CONFERENCE NEWS

HILTON HOTEL - MELBOURNE

"PREDICTION WITH PRECISION"

24-29 SEPTEMBER, 1989

Call for Papers:

15th December -	Titles & 300 word abstract
1st February -	Confirmation of acceptance
1st April -	Full 1000 word short paper required with figures

There will only be 2 concurrent sessions
(1 for petroleum and 1 for minerals)

Exhibition: To secure a booth, a deposit of \$500
is required asap.

For further details contact:

Bloomsbury Conference Services Pty Ltd
Melbourne, Tel: (03) 429 4322

REPORT ON ADELAIDE ASEG/SEG INTERNATIONAL CONFERENCE

By Reg Nelson, Conference Co-Chairman

While recent ASEG Conferences in Sydney and Perth have proved profitable, they have, in a sense, been developments of a well-established and relatively predictable trend. The market for an ASEG (*sensu stricto*) Conference is stable and, by now, well understood. Even in these lean times, it is not unreasonable to predict total registrations of the order of 500-600 delegates. This figure is a critical consideration, for it means that both the technical sessions and the exhibition can be held in a hotel venue and venue rental costs can be minimized.

The ASEG/SEG Conference, on the other hand, was, from its conception, held to be more than just another ASEG Conference. It was a wildcat whose upside potential depended to a great degree on how many delegates could be attracted from

overseas: that is to say, if the normal Australian market is 500 delegates, was it reasonable to assume that an extra 250 or more could be induced to visit Australia in its Bicentennial year? The Conference Committee believed it was reasonable, provided that adequate publicity and promotion could be achieved overseas. The most critical effects of planning a conference of 750 - 1000 plus a greatly expanded exhibition are that hotel venues are no longer suitable and that larger, more specialised building complexes must be used. Unfortunately, these are more expensive.

While the Conference costs and income can be examined from many angles, I believe that one fundamental lesson to be learned concerns registration fees and exhibitors' charges. The Adelaide Conference registration and exhibitors' fees were constrained by a ruling of the Conference Advisory Committee that these be no greater than those for the Perth Conference plus 10 per cent. My comments about the quantum leap in venue costs once 600 delegates are exceeded are pertinent in this context: the setting of fees should take into account such increases in fixed costs. By way of comparison, the recent PACRIM and Gold '88 Conferences charged \$500 per delegate against the Adelaide Conference's \$345 late fee. Consider also the effect of increasing the registration fee by \$50 (\$30 000 or so extra income) or of increasing exhibitors' fees by an extra \$500 per booth to a not unreasonable total charge of around \$1500 (\$50 000 or so extra income). Either of these measures would have changed the final financial balance materially.

Notwithstanding these considerations, the fundamental reason for Adelaide 88's lack of financial success was that the expected number of overseas delegates failed to materialise. Not only did this lead to reduced income, but it also led to losses in social events which had been secured by deposit. (The charter of the sailing boat 'Falie' is a prime example). It was considered that a varied social programme, particularly for accompanying persons, would be a strong component in a total package designed for overseas promotion.

Why, then, did we fail to achieve the target for overseas delegates? It was certainly not from lack of publicity and promotion, as these were areas which both the Sydney and Perth Conference committees had singled out as warranting further attention. Great efforts went into negotiating attractive travel packages to use as incentives; all SEG members received at least 2 flyers with issues of 'Geophysics', thanks to the good graces of the SEG. The level of awareness concerning the

attention. Great efforts went into negotiating attractive travel packages to use as incentives; all SEG members received at least 2 flyers with issues of 'Geophysics', thanks to the good graces of the SEG. The level of awareness concerning the Adelaide Conference at the New Orleans SEG Convention was all that we would have wished, and the positive indications at that stage encouraged us to believe that we would exceed the 1000 delegate mark.

Then came the October Stockmarket Crash. I have no way of determining exactly to what degree this affected people's travel plans, but I do know of at least 6 people who cancelled simply because of this. Some exhibitors were also affected, and it was only through great personal efforts on behalf of the committee that their booths were able to be reallocated. I personally believe that the October Stockmarket Crash of 1987 was the real financial undoing of the Conference.

This report has examined financial aspects of the Conference. A summarised Balance Sheet by the Treasurer is attached. It is right that such matters be addressed, because profits from previous Conferences (starting with the 1981 Adelaide Conference) have historically provided a means of reducing ASEG members' subscriptions to a level below the actual costs per members of running the Society and of producing 'Exploration Geophysics' and the Newsletter. On the other hand, every Executive Committee with which I have been privileged to have been associated has always anticipated that sooner or later a Conference would run at a loss. The overall balance sheet should therefore be considered in line with expectations of reasonable profits averaged over the years: excessive profits in one year can actually be deleterious to the next, and, in this regard, it should be noted that company attitudes to general sponsorship and assistance for Adelaide '88 were often quite negative because it was widely known that Perth had made a large profit - 'obscene profit' was the term used by one company representative.

I believe that Adelaide '88 did achieve the technical and professional goals that were set for it, including an enhanced recognition of ASEG by its parent body, the SEG, together with an acknowledgement of our independence. It has enhanced the growing recognition of Australia as a focus for geophysical exploration technology and management expertise in the South East Asia and Pacific regions. It should be regarded as an investment in ASEG's future.

The efforts of an extremely hardworking and dedicated committee should also be recognised.

Their efforts were great in tasks that many, less dedicated as volunteers, but more trenchant as critics, would shun. To denigrate such efforts by the publication of snide comments is unworthy of the Society. Many of these same volunteers have added to the ASEG's funds through previous profit-making conferences or through other activities.

I feel it is appropriate to finish with the words of a more objective onlooker - SEG President Lee Lawyer ('The Leading Edge', April 1988):

'This was the first joint ASEG/SEG meeting, and it shouldn't be the last. It was a roaring success. The (SEG) Executive Committee was well represented by myself, Ken Lavner and Bill French, Stan Jones was there from the SEG staff, and Ed White and Marv Hewith were there as former Presidents. Good exhibits, well-organized technical program and great entertainment!'

FINANCIAL SUMMARY

INCOME

Registrations	\$155,225
Exhibition	86,288
Sponsorship	16,755
Workshops	36,460
Social Functions & Tours	20,655
Abstracts	1,215
Interest	<u>2,235</u>
Total	\$318,833

EXPENDITURE

Venues	
Conference	12,340
Exhibition	60,734
Workshops	24,244
Promotions	39,593
Elliservice Secretariat	35,107
Technical (speakers, A/V, Satchels Etc.)	59,199*
Social	
Included in region	50,059
Optional Tours	20,966
Lunches	30,000
Banking, insurance, taxes	<u>16,577</u>
Total	\$348,819
Conference Deficit	\$ 29,986
Less Bulletin Cost	<u>\$ 20,000</u>
Nett	\$ 49,986

* (Included \$7158 credit to ASEG for unused satchels)

COMPARISON WITH PREVIOUS CONFERENCES

ITEM	1985	1987	1988
Registration	90,300	95,900	155,225
Sponsorship	19,400	21,800	16,755
Exhibition	48,600	52,400	86,288
Workshop	27,200	27,400	36,460
Interest	1,100	10,700	2,235
Nett	26,400	82,600	-49,986

IS THERE MORE THAN GOLD IN THE PHILIPPINES?

By Euan Clarke.

Manila is a city of extremes, the poor existing in a patchwork of discarded iron, plywood and vegetation fronds, the wealthy living in seclusion behind walls topped with barbed wire or broken glass. The centre of town is looked after by the government, hence the buildings and roads are clean and well maintained while other districts are looked after by the locals a system which doesn't always have the best result; maintenance is not a strong point. Local councils and rates don't seem so bad after all.

Transport in the city is supplied by taxis and jeepneys which ply the city in a fanfare of horn blasts. Is there some code? One beep meaning "I'm here", Two beeps meaning "I'm coming through"? In Australia a car's horn is checked occasionally when accidentally knocked by an elbow whereas in Manila it represents a most essential piece of technology.

Jeepneys are locally produced light trucks with vivid colours, polished metalwork and banners declaring their driver's interest "CALIFORNIA" or "CANADA" or "EAT AT JOES BAR AND GRILL". A jeepney rolling through an intersection at night without its lights on (it saves the batteries I'm told!) brings new activity to your heart as it's lights are suddenly switched on ten feet from your taxi as

you sit stranded in the middle of an intersection. Taxi drivers may supply the high point of your day as they swerve through the streets creating their own road rules, exchanging gossip and jokes with their fellow drivers. The number of lanes on a typical street is determined by need and turning at an intersection can be accomplished from any lane. As for the condition of the taxi's, well, again, maintenance is not a Philippine strong point. An umbrella may be useful in your taxi to stop the rain catching you as it pours through the driver's window or a hole in the door seals.

Hotels are islands of airconditioned, American colonialism swarming with helpful, smiling, youthful staff. Guards on every floor checking you in and out. At the entrance they will get you a taxi and take its number in case you go missing. The newer taxis will have window tinting to prevent the population and any possible kidnappers or bandits from seeing inside.

A tropical downpour - looks like rain in Perth - culture shock as one finds it is warm water. The poor are washing under the torrents of water pouring off the roof tops. Taxi drivers find new and imaginative routes to familiar places to bypass the resulting floods as the water tries to find its way across the low lying ground to the already overloaded drains. Salvation - the taxi finds its way to the steps allowing you to exit with relatively dry feet. One week in Manila can make your shoes look like Bob Hawke after just his second term in office.

The juvenile landscape is dissected by narrow muddy rivers which cut tens of metres down through the jungles to form sheer cliffs. Volcanic flows interlayered with bedded conglomeritic volcanics. Jungle clinging tenuously to the sides of improbably steep sided valleys. A volcanic cone in the centre of its crater lake smokes gently. Local entrepreneurs try to sell you a trip to the cone; a short boat ride and a long hike. Visibility is poor in the steaming haze, you can see perhaps 3 kilometres. This place is a tropical paradise where you can live very easily off the land; what am I doing going back to the rat race?

The Philippines are a modest, smiling, clean folk; clothing is washed every night. Beware the smile in reply to a request - it sometimes should be interpreted as "I don't understand what you are asking me long-nose". Philippino musicians and singers are the best in Asia. Try listening to some local songs in the modern idiom. Fire eaters walk through hot coals to supply some extra diversion.

The politically aware population will recount, with a glint in their eye, their part in the latest revolution

and their frustration with corruption; a disease which is being smartly addressed by both the government and the rebel militia. Everyone seems to have had a key role to play in the overthrow of Marcos.

Expatriates, of whom Australians form a large percentage, run the tourist streets. They stayed in a hedonistic rush of perceived opportunity which is brought down to reality by the harsh facts of life - survival. Smiling children ply their light fingered trade as they swarm about the unsuspecting tourists.

Bureau of Mines in despair after changes in job descriptions, reshuffles in departmental responsibilities and reassignment of budgets. A recent fire destroyed 80% of their records meaning they must start again with their data collection and analysis. Exploration is practically non-existent due to the mining code and lack of infrastructure and regional information. About 80% of the cases in court are about mining lease disputes. Any type of map is very hard to find and has probably been out of print for years. There is a strong chance that distribution is restricted by the military. Mining companies constrain their search to their small mining lease areas. Despite this there is tremendous mineral wealth in the Philippines and the situation is not impossible; patience and understanding are required.

Back to reality with the inevitable phone call from Perth; "They only want one thing you know Euan". Puzzled, I wonder what my lecherous colleagues are referring to.

"What is the name given to a Philippino yuppy? - A puppy". A business associate smiles and replies, "Yes, that describes the smiling little sharks exactly".

ASEG SUBMISSION TO THE BMR REVIEW

You may remember that in the last edition of Preview the ASEG were invited to make a submission to Senator Peter Cook's review of the Bureau of Mineral Resources. The Executive Committee would like to thank the members for their contribution to the submission. Our President, Eve Howell, presented the following submission to Canberra on 7 September 1988 on behalf of the Australian Society of Exploration Geophysicists.

SUBMISSION TO BUREAU OF MINERAL RESOURCES,

GEOLOGY AND GEOPHYSICS REVIEW

*By The Australian Society Of Exploration
Geophysicists*

The Australian Society of Exploration Geophysicists (ASEG) has a membership of approximately 900. Members include mining and petroleum explorationists, academic and government institution staff and others who have interest in exploration geophysics. As the name implies, the Society is predominantly concerned with the aspects of geophysics applicable to exploration and thus, ultimately, to the discovery and development of the nation's mineral and petroleum reserves. Our submission to the BMR review is, therefore, primarily concerned with aspects of geophysics directly related to the exploration industry and the addition of mineral and petroleum reserves to the national inventory.

ROLE OF THE BMR

1) NATIONAL DATA BASE

The primary function of the BMR should be as central repository of nationwide geoscientific data. The Bureau should collect, assemble and disseminate basic geological and geophysical data in a form, and at a cost, that is effective for the end-user - industry and individuals. The dissemination of these data must be achieved in a timely manner.

Data considered important to the national database include:

- Regional gravity data and maps - the coverage and publications achieved several years ago were notable - unfortunately, updating has not been maintained and the initial momentum appears to have been lost.
- regional magnetic coverage - this project should be continued and updated continuously.
- deep crustal studies - these should include refraction and reflection seismic, observatory monitoring of earthquake activity and other methods to determine

the nature of the crust below the levels studied by explorers for minerals and hydrocarbons.

- offshore regional seismic data - these data should be combined into regional basin studies to set the framework for more detailed and localised studies within individual areas of interest.
- petrophysical data - to include basic physical properties of rock formations, log and core analyses data, petrography, sedimentological, diagenetic and metamorphic aspects.
- magnetic observatory data - fulfil international obligations; deep crustal investigations and diurnal studies required for aeromagnetic surveys.

The BMR should provide scientific leadership in setting standards for data acquisition. Where appropriate, such data acquisition should utilise the resources of contractors rather than relying on "in house" facilities which are often under utilised and quickly outdated. The role of the BMR should be defining standards, supervising and utilising results rather than routine data acquisition.

2) MULTI-DISCIPLINARY RESEARCH INTO GEOSCIENTIFIC PROBLEMS OF NATIONAL SIGNIFICANCE

Problems to be defined by a Management Board may include basin and crustal studies, salinity, and regional elements of metallogenic provinces. The national databases would be an important element in the studies.

The BMR would provide a forum where a wide range of skills in geophysics, geochemistry, and geology could be focused onto particular problems. Geophysical, geochemical and geological techniques required for such studies may need development because of conditions

unique to the Australian environment; these should fall within the ambit of BMR research but at a funding level consistent with the objectives of the geological problem being studied.

BMR research should be restricted to the support of the functions defined above. Research which is not in direct support of BMR objectives should have no place in the BMR but could be located elsewhere (eg Universities or CSIRO).

Research already underway in other centres, which supports BMR objectives, should be actively encouraged and funded by BMR.

- 3) Liaison, co-operation and communication with State Government Surveys, CSIRO and Industry is of primary importance. Joint projects and secondment between State Surveys, CSIRO and the BMR should be encouraged. The management board will be active at a management level in this area, but co-operation between individual and community at large through talks at local professional societies and office visits are important. Staff secondment between BMR and industry should be encouraged in both directions.

- 4) Cost recovery of BMR operating expenses through the sale of data from the national database must be balanced with the need to circulate the data to the widest possible exploration community, thereby increasing the probability of discovering further hydrocarbon and mineral resources.

The Australian Society of Exploration Geophysicists appreciates the opportunity to participate in the review of the BMR.

PRESIDENTS REPORT

Six months have now passed since the changeover from an Adelaide-based to a Perth-based Federal Executive Committee. Most of that half year has been taken up with transferring accounts, data, membership details, setting up a new secretariat, learning the ropes and generally trying to get organised. I believe we have now achieved this and members should now get their letters answered reasonably promptly and new members will be processed quickly. The Executive Committee is now able to turn to other matters and in this report I want to air some proposals which I hope will generate some response from members.

The membership year was changed recently from April-March to the calendar year, January-December. Consequently dues notices will be out shortly. Before any member complains of the short period covered by his last dues, let me tell of some of the plans to put your money to good use:

- 1) The Society is preparing a brochure on geophysics aimed at senior high school and tertiary admission levels to encourage students to consider geophysics as a career.
- 2) A questionnaire has been prepared and circulated to all tertiary institutions to provide information on numbers of graduate and postgraduate geophysics students, teaching levels, research projects, etc. The objective of the questionnaire is to provide all the facts of geophysical tertiary education to the ASEG so that we can effectively lobby government and other bodies on current matters of education as well as make positive suggestions on the future of geophysical education in Australia.
- 3) Some states currently run a students night at which selected papers are presented by students from local tertiary institutions. We wish to encourage every branch to run an annual students night with the Federal Executive offering a \$50 prize for the best contribution. The winning students will be required to submit a half-page

abstract of their presentation for publication in PREVIEW.

- 4) The setting up of the Research Foundation is progressing with a sub committee about to be formed to begin the task of formulating guidelines for the foundation.

The mode of election of President-Elect has recently come into question. At present the position is filled by a willing individual nominated by a sub-committee of the Federal Executive Committee as President-Elect the nominee can then be formally elected as President at the AGM. Other candidates can nominate prior to the AGM and compete against the candidate already selected as President-Elect.

It has been suggested that the position should be filled in the same manner as for the election of other officers of the Society nominated prior to, and elected at, the Annual General Meeting. Under the suggested scheme the President-Elect for the forthcoming year would thus be elected in the same manner as the incoming President, Vice-Presidents and Treasurer. To change the current system, the Articles of Association would need changing to reflect the addition of another elected officer of the Society.

Let us hear your views on the President-Elect issue and others. The current President-Elect is Greg Street of the WA Mines Department, who serves on the Federal Executive already as Honorary Secretary.

PUBLICATIONS COMMITTEE REPORT

By Terry Crabb, Chairman - Publications Committee

EXPLORATION GEOPHYSICS - PUBLICATION SITUATION

Volume 19 issue 1 & 2, the Adelaide Conference Abstracts, has been rebound and mailed to all financial members of the Society, including those who registered at the Conference.

If you have yet to receive your copy, contact the Secretary, verify your membership status and advise of non-receipt.

Volume 19 Issue 3, the September edition, a mixture of papers is currently with the printers, and should be distributed before Christmas.

It had been planned to publish the proceedings of the Engineering Workshop held during the Adelaide Conference, as Volume 19 Issue 4. However, more time is required by the Editor to transform some of these papers from workshop notes to publishable papers.

As a consequence, it has been decided to delay publishing these papers till March 1989, Volume 20 Issue 1.

In its place as Volume 19 Issue 4, a mixture of papers will be substituted.

If any member wishes to have a paper, note or comment published in this next issue thus avoiding the normal lengthy delay between submission and printing, please forward a copy urgently to:

Prof D W Emerson
ASEG Editor
University of Sydney
Dept of Geology & Geophysics
SYDNEY NSW 2006

The Editor is also looking for assistance in editing the Engineering Workshop edition. If you can help, please write to Don care of the above address, or call him on 02-692 2031.

Any member thinking of publishing a paper, please consider publishing in Exploration Geophysics. It has a distribution list of over 1000, and reaches more Australian Geophysicists than any other publication. The Publication Committee is always interested in receiving good Case Histories and papers of interest to practicing Explorers.

MEMBERSHIP

DATABASE AND FEES

Paula Sinclair at the Chamber of Mines of W.A. looks after our new membership database which has been specially written to our specifications. She has been making a special effort to get the database up to date and chase up unfinancial members.

The constant movement of our membership makes this a difficult task and we request that you make it easier for us by letting Paula know of your movements.

All unfinancial members should receive a friendly reminder. The cost of sending out these reminders takes up a considerable part of the membership fees and time by the secretariat and Secretary. Please clear up any outstanding dues as soon as possible.

The change in financial year approved at the last AGM means that our finances will run concurrently with the publications schedule. Membership fees are due, therefore, on 1st January, 1989 and statements will be sent out by the end of November. Only financial members will receive the Bulletin next year.

The following fees will be effective from 1 January 1989:

Active & Associate	\$45.00
Overseas	\$65.00
Student	\$15.00
Corporate	\$275.00
Airmail Surcharge	\$60.00

NEW MEMBERS

We welcome new members who have joined the Society in the past months:

MEMBER	CATEGORY	STATE/COUNTRY
T Schwartz	Student Overseas	Czechoslovakia
S A Ingarfield	Active	
B Corner	Active Overseas	South Africa
P J Stickland	Student	
D M Johnson	Student	
P Vidanovich	Associate O/S	New Zealand
G J Jeffrey	Active Overseas	United States
M Leonard	Associate	South Australia
E C Mozley	Active Overseas	United States

MEMBERSHIP MOVES

Transferring from the South Australian Branch to Victoria is:-

Mr Jim Small
C/- BHP Petroleum
GPO Box 1911 R Melbourne
VIC 3001
TEL. (03) 652 7222

Transferring from the South Australian Branch to Western Australia is:-

Mr C W Sheen
25, Northlake Road
Alfred Cove
WA 6154
TEL. (09) 322 1688

Transferring from the NSW Branch to Queensland is:-

Mr R Seitz
Delhi Petroleum Pty Ltd
GPO Box 280
BRISBANE QLD 4001

The following changes were made to the Queensland branch membership list:-

Mr G Thomas - New Member
C/- CRA
308 Montague Road
WEST END QLD 4001

Mr M J Shalley
14/7 Hule Street
North Ward
TOWNSVILLE QLD 4810
Previously 54 Myaguk Rd, Ashgrove, QLD

Mr K B Lodwick
GPO Box 2633
BRISBANE QLD 4001
Previously c/- Kabela Geophysics Pty Ltd

ADVERTISING

ASEG members are invited to place their business cards in each issue for a period of 12 months (ie 6 issues) at \$50.00 per year. The cards will be carried on a 'Professional Directory' page of the newsletter. Enquiries regarding business cards should be to the Secretariat at the Chamber of Mines of Western Australia.

KEY CENTRE FOR TEACHING AND RESEARCH IN STRATEGIC MINERAL DEPOSITS

DEPARTMENT OF GEOLOGY
THE UNIVERSITY OF WESTERN
AUSTRALIA

Presents

TWO COURSES BY

PROFESSOR MIKE COWARD

IMPERIAL COLLEGE, LONDON

CONSTRUCTION OF CROSS SECTIONS IN DEFORMED ROCKS

13-14 February, 1989

Fee: \$380

EXTENSIONAL FAULTS AND BASIN DEVELOPMENT

15-17 February, 1989

Fee: \$680

The fee for enrolment in both courses:
\$800

Reduced fees apply to students and academics and will be announced nearer the time. For further information and enquiries contact University Extension, Tel: (09) 380 2433.