

# AUSTRALIAN SOCIETY OF EXPLORATION GEOPHYSICISTS

## NEWSLETTER

### *Preview*

**NUMBER: 5**

**JULY - AUGUST 1986**

It is an honour to be elected as your President in 1986/87. The A.S.E.G. is in good shape with a wide range of activities at branch level, a good level of involvement by members and a highly regarded (although sometimes late) journal in 'Exploration Geophysics'.

Although the industry is notoriously cyclical, and some members are having a difficult time at present, I am convinced that the long term health of our profession and our society is assured. We have survived many difficult times before and will again.

On behalf of the Federal Executive Committee, thank you all for your confidence in us. We look forward to another year of growth and participation by all members in A.S.E.G. activities.

R.J. SMITH  
President A.S.E.G.



**ASEO CONFERENCE UPDATE** by PETER ELLIOTT

The fifth Conference and Exhibition of the ASEO will be held in the period 22nd to 26th of February, 1987. There has been a large number of papers offered for presentation which will mean a number of good papers cannot be accepted. The Conference therefore promises to be of outstanding quality.

There are a large number and variety of workshops being organised for the weekends preceding and following the main exposition. Intending Registrants should book early for the special workshops to be run on the train between Adelaide and Perth. The workshop leaders will be Reg Nelson (SADME) and Bob Smith (CRAE). These will incorporate intensive discussions on soft and hard rock geophysics.

There has been a good response to the Call for Exhibitors and the booths are filling up fast. The booths are located in a prime position adjacent to the main auditoriums. This allows delegates to view the exhibits whilst having morning or afternoon tea or at other convenient times.

Students are reminded to get their posters in early - see the enclosed advertisement. The ASEO is emphasizing its interest in Student Members and will ensure that the posters are displayed in prominent positions.

The social program is extensive and delegates are encouraged to bring their spouse or friends along to these.

\*\*\*\*\* PLEASE READ THE ENCLOSED BROCHURE FOR MORE DETAILS AND FORMS \*\*\*\*\*

**NOTE FROM THE PUBLICATIONS COMMITTEE** by TERRY CRABB

Apologies for the delay in your receipt of Volume 16 Issue 4 of Exploration Geophysics.

The papers for this particular Issue were sent to Blackwell Scientific Publishers in October 1985.

Due to totally unacceptable delays incurred by both Blackwells and their printers, Brown Prior Anderson, this December 1985 issue was not distributed until July 1986.

Unfortunately the ASEO were contractually obligated to Blackwells to publish Volume 17 of our Bulletin, and this delay with Volume 16 Issue 4 has caused similar delays to the publishing schedule for Volume 17.

Blackwells have promised that Volume 17 Issue 1 will be out in August and Issue 2 in September - time will tell.

The ASEO cannot allow such a situation to develop in 1987. Negotiations with a number of Printers and Publishers have been going on for the last seven months and a decision is near.

**GENEROUS GESTURE BY GSI**

GSI offered the Society a Texas Instrument 360k Professional Computer which included a 10MB Winchester and 256k floppy disk, colour monitor, printer and software.

GSI would configure the system, load all the software and assist in installing the system.

The cost to the Society will be A\$2196.83, and the benefits in handling the membership data base are obvious.

The Committee gratefully accepted this GSI proposal and the membership data base should be transferred onto the TI PC in early August. The update of all 1987 financial members should be completed by early September.



### **STACKED PROFILES**

#### **Bob Smith - President.**

Bob Smith is a graduate of the University of Melbourne, where he completed a BSc (Hons) in Physics in 1960. Since then he has worked as a geophysicist with the Bureau of Mineral Resources in Melbourne and Canberra, Chief Geophysicist and Manager (Geophysical Services) with McPhar Geophysics Pty Ltd in Adelaide, a private consultant and as Chief Geophysicist for CRA Exploration Pty Ltd, based in Adelaide.

#### **Peter Elliott - First Vice President.**

Peter Elliott graduated with a BSc (Hons) degree from the University of Melbourne in 1976, which he completed as a Cadet with the Victorian Mines Department. He then worked as a geologist with the Regional Mapping Section of this organisation from 1977 to 1980. In 1981 he joined the Shell Company of Australia Ltd as a Regional Geophysicist. He was based in Perth Western Australia from 1981 to 1983. Peter was awarded an MSc from the University of Melbourne in 1983 and is presently Billiton's Regional Geophysicist for SA/NT and the Broken Hill District, based in Adelaide, SA. He is an active member of the ASEG, PESA and GSA, and was President of the Western Australian Branch of the ASEG in 1982, was Business Manager and Secretary of the Federal Executive Committee of the ASEG in 1984 and '85.

### **PEOPLE IN THE INDUSTRY**

- All his friends and colleagues in the ASEG wish John Haigh a speedy recovery following his recent major surgery.

- Jim Fraser, formerly Chief Geophysicist for Delhi Petroleum in Adelaide, has joined SANTOS as Chief Geophysicist/ Senior Explorationist (WA/SA).

- David Tucker, Senior Principal Research Scientist and enfant terrible of the BMR, has resigned to pursue an entrepreneurial lifestyle.

- Mike Smith formerly with ESSO Minerals, is now exploration Manager with Auspac Gold.

- Bob Whitely has returned to the University of NSW from his sojourn in Thailand.

- Graham Bull has replaced Mike Carson as Managing Director of Geotrex Australia. Mike has returned to the Geotrex Office in Ottawa. George Nader replaces Graham as Manager, Airbourne Geophysics.

- Jim Allender has returned to Delhi's Adelaide office after several months terrorist activity in CSR's Brisbane office.

Please advise the Newsletter Drone (Reg Nelson - (08) 274 7621) of any gossip, scandal innuendo or rumours that ought to be spread.

### **JOB ADVERTISEMENTS**

The ASEG would be pleased to publish job advertisements as a service to members.

The BMR advertisement for Dave Tucker's job is attached. (NB. New closing date: Aug. 15)

Goldfields of South Africa Ltd. are seeking 4 geophysicists with 2 to 5 years experience. Please contact Mr. Fred Stevenson, Chief Geophysicist, Goldfields of South Africa Ltd., P.O. Box 1167, Johannesburg 2000, South Africa, Phone: (011) 639 9111

The Australian Institute of Geophysicists (AIG) maintains a register of unemployed geophysicists. The organisers do not actively seek positions for members but they function as an enquiring centre for private companies, individuals and the CES. AIG then refer enquiries to any candidates who may meet their requirements. Details from David Jones, (02) 240 4199.



## GEOPHYSICAL EVENTS

A major earthquake (Ms 5.8) occurred on the 30th of March 1986, 0854 GMT, at Lat. 26.23S and Long. 132.50E in northwestern South Australia (about 40km west of the Stuart Highway and 35km south of the Northern Territory border). Further tremors of comparable magnitude occurred on July 11th.

The initial earthquake is unique in South Australia as it is the first in recorded history to have associated faulting of the ground surface (maximum displacement 0.6m). The scarp itself is 13km long and convex to the north east, resembling a boomerang.

Only three other earthquakes in Australia's history are known to have produced surface faulting, and these are all in the south west of West Australia. Although the S.A. quake is associated with an aeromagnetic linament - the Marryat Shear Zone - the area had previously been considered inactive.

## MEMBERSHIP APPLICATIONS RECEIVED IN JUNE/JULY 1986

Applications for Membership have been received from the candidates listed below. If any member has information bearing on the qualifications of these candidates, it should be sent to the President within thirty days.

### ACTIVE:

CHIN, Anthony	Schlumberger	2060
COPELAND, Alexander Thomas	Consultant	5067
McKAY, Gregory John	PNC Exploration	2095
MOK, Joseph Siu-Tong	Schlumberger	2060
MORGAN, Dewi Huw	Peko Oil	3000
SAYERS, Michael John	WAPET	6001
WOLSKI, Andrew James	Hosking	2039
YELF, Richard Jack	Uni New England	2351

### ASSOCIATE:

BROWN, Mark Vincent	Solo Geophysics	5043
HARRIS, John Heisig	Digicon	6009
HEWITSON, Thomas David	Delhi	5000
KNOWLES, Douglas James	Delhi	5000
WAN ZAWAWIE, Wan Akil	Geol Survey Malaysia	SARAWAK
WEISS, Ralph M	Delhi	5000

### STUDENT:

FALLON, Peter James	Uni of NSW	2154
POLLICE, Dino G.	Flinders Uni	5024

## CALENDER OF EVENTS

### ASEG CONFERENCES AND WORKSHOPS:

**SEPTEMBER 22 :** ASEG Victorian Branch full day seminar on WAVELET DECONVOLUTION.

Oil companies and processing contractors will discuss the relationships between different processing houses' wavelet deconvolution programs and their phase effects.

Each participant will receive for assessment the same set of data processed by different contractors. The seminar will consist of half day presentation (contractors will explain how their packages operate) and then participants will break up into workshop groups for discussion. Lunch will be provided.

Sponsored through ASEG(Vic) Branch by Shell and BHP.

Cost: \$20 (maximum) and limited to 50 participants.

Contacts: Peter Grant, BHP (03) 652 7118,

Eric Allison, Shell Australia (03) 609 5058

Venue: Shell HQ Melbourne





**AUSTRALIAN SOCIETY OF  
EXPLORATION GEOPHYSICISTS**

**5th GEOPHYSICAL CONFERENCE  
AND EXHIBITION**

**Perth, Western Australia**

**commencing February 22nd, 1987**

**STUDENT POSTER  
COMPETITION**

Full time students are invited to enter this competition being held in conjunction with the 1987 conference.

First Prize **\$400.00** and a certificate

Second and

Third Prize **\$50.00** and a certificate (each)

*Student members of A.S.E.G. may enter free, non members \$10.*

**Requirements**

1. To submit a poster for display, illustrating or expounding some topic directly related to *Exploration* geophysics. The posters can present review material or original work. If the work on which the poster is based is not original, its presentation and arrangement must be so. The use of diagrams or text from published works will not be acceptable. The Judges will be looking for evidence of understanding and flair for geophysics.
2. Posters must fit within an area of 1 metre x 1 metre (They may be delivered cut into two pieces for assembly later — this will allow the use of "postpak" mailing tubes).
3. Posters should be delivered to Perth by January 30.
4. Applications for entry should be made to:

Conference Secretariat

P.O. Box 411

West Perth 6005

Telephone: (09) 322 7922

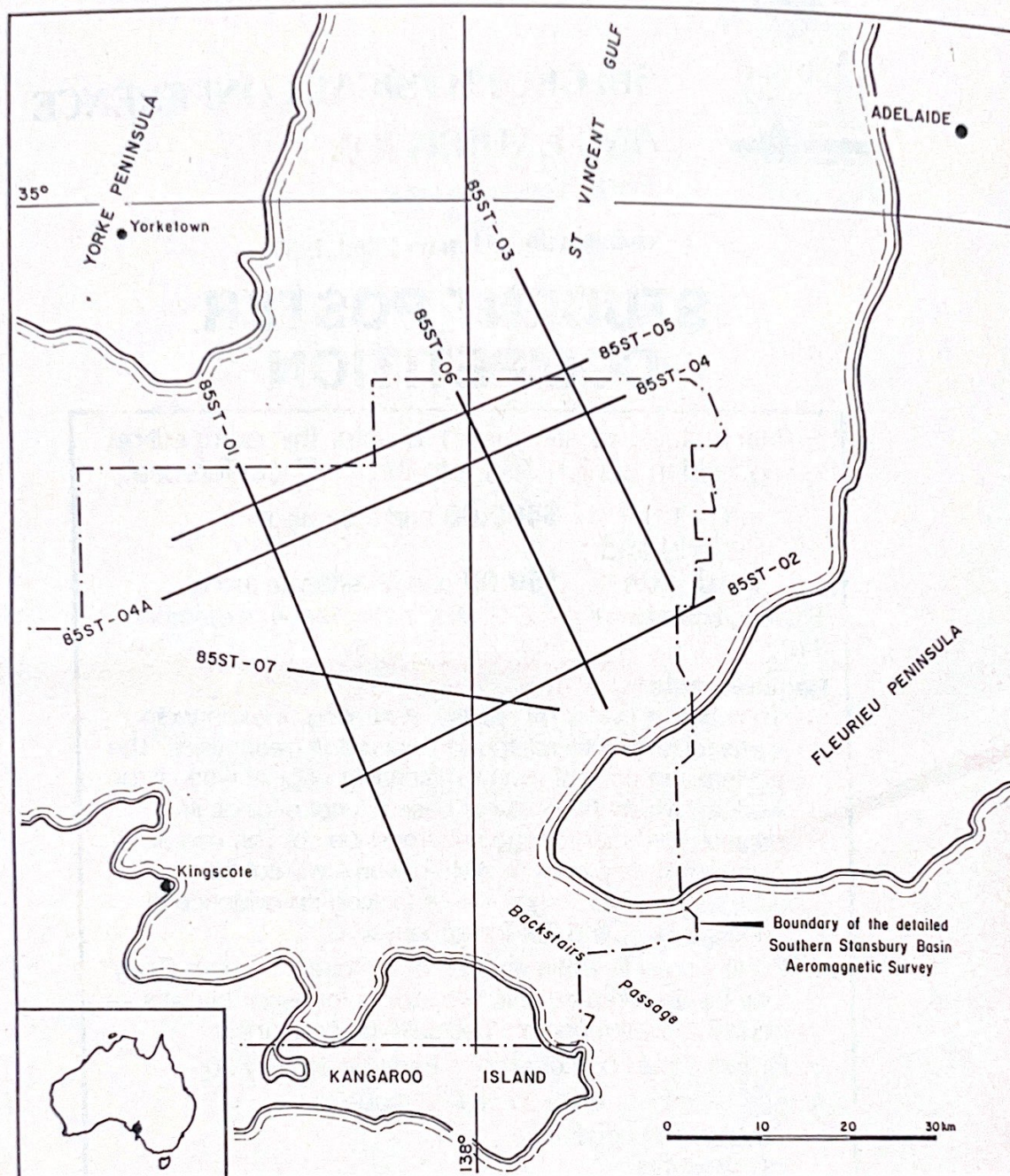
By September 30, 1986 and include \$10 entry fee if applicable.

**Display and Judging**

Judging will be done by a Conference sub-Committee and the results will be announced at the Conference. The posters will be on display during the Conference.



# **GSI/SADME NON-EXCLUSIVE DATA** **ST. VINCENT GULF** **SOUTH AUSTRALIA** **STANSBURY BASIN SURVEY 303 km**



## **DATA ACQUISITION**

DATE : 1985  
 TUNED AIRGUN ARRAY : 4075 cu. in  
 CABLE : 3600 m  
 GROUPS : 240 x 15 m  
 MULTIPLICITY : 60 FOLD  
 NAVIGATION : SATNAV

## **DATA PROCESSING**

DATE : 1986  
 TRACES : 120  
 FOLD : 60  
 MIGRATION : YES

For Seismic Detail contact G.S.I., Sydney.  
 (02) 887 1122 or General Data Package,  
 Oil and Gas Division, SADME, Adelaide  
 (08) 274 7500





**DIVISION OF GEOPHYSICS  
EXPLORATION GEOPHYSICIST  
SENIOR RESEARCH SCIENTIST/PRINCIPAL RESEARCH SCIENTIST  
\$35092-40410/\$41941-47638 REF: NP**

The Division of Geophysics, through its Potential Fields Section, carries out systematic aeromagnetic and gamma spectrometric surveys of the Australian continent as an aid to mineral exploration, and maintains and upgrades an Australia wide gravity data base.

**DUTIES:**

A senior scientist is sought to take over as Head of the Potential Fields Section with the primary responsibility to co-ordinate and lead the interpretation of data bases so far acquired. He/she would contribute to the planning of the reconnaissance airborne surveys to complete the coverage of the continent.

The successful applicant will be required to carry out research both into aspects of the interpretation and into the introduction of new technology and data processing in the field of airborne geophysics.

**QUALIFICATIONS:**

Qualified for admission to a degree of Doctor of Philosophy or equivalent qualification, and appropriate research experience. An extensive background in exploration geophysics involving the use of large data bases for addressing regional geological problems highly desirable. Some background in the application of electrical methods would be desirable.

Contact officer for enquiries for this position is Dr M. McElhinny (062) 499267.

Selection criteria, position profile and duty statement for the above position are available by phoning (062) 499258.

Conditions of service in the Australian Public Service include four weeks recreation leave per year plus bonus, cumulative sick leave, long service leave, a comprehensive superannuation scheme and costs of relocation to Canberra.

To be eligible for appointment applicants must be Australian citizens. However, applicants who have permanent resident status may be offered fixed-term employment pending the granting of citizenship.

Applications including full personal particulars, experience and qualifications together with the names of three referees and quoting the reference number should be forwarded to:

The Director  
Bureau of Mineral Resources  
GPO Box 378  
CANBERRA ACT 2601

ATTENTION: Recruitment Officer

Applications close August 15, 1986

**NOTE:** The level of appointment to this position will be determined by the successful applicants qualifications and experience.



### INFORMATION UPDATE.

The Northern Territory Geological Survey now has available the results of its survey, flown in 1985 by Austrex International Ltd. The area covered consists of six 1:100,000 mapsheets between Latitudes 24 30' / 26 00', and Longitudes 129 00' / 130 00'. Flightlines were N/S, with a linespacing of 500m and a mean terrain clearance of 100m. Both magnetic and radiometric data were acquired, at sample intervals of 20 and 60m respectively.

The magnetic data is available on TMI contour maps at 1:100,000 and 1:250,000, and as stacked profiles in two different formats. Altitude stacked profiles are also available. Data sheets in ASEG format are available for each mapsheet together with located, corrected magnetic and located, unprocessed radiometric data.

This brings the total of NTGS airbourne surveys to seven, covering a total of thirty seven 1:100,000 mapsheets:

Litchfield Province	Darwin	5073
	Koolpinyah	5173
	Fog Bay	4972
	Bynoe	5072
	Noonamah (part)	5172
	Anson	4971
	Reynolds River	5071
Litchfield South	Greenwood	4970
	Daly River	5070
	Tipperary	5170
	Moyle	4969
	Wingate Mts.	5069
	Fitzmaurice	4968
Barrow Creek	Crawford	5655
	Taylor	5755
	Murray Downs	5855
	Barrow	5654
	Home of Bullion	5754
	Lurapulla	5854
Huckitta	Dneiper	5952
	Jinka	6052
	Jervois Range	6152
	Brahma	6051
	Plenty Downs	6151
Huckitta East	Tarlton	6252
	Marqua	6352
	Mt. Barrington	6351
Kulgera	Victory	5446
	Kulgera	5546
	Umbeara	5646
Petermann	Hull	4748
	Bloods Range	4848
	Pottoyu	4747
	Petermann	4847
	Cockburn	4746
	Duffield	4846



### **CALENDER OF EVENTS (continued)**

**FEBRUARY 22-26, 1987:** ASEG 5th Conference and Exhibition - Perth, W.A.  
Registration form enclosed as a flyer with this edition of Preview.

**FEBRUARY 1988:** ASEG/SEG International Conference & Exhibition.  
Adelaide Convention Centre  
Chairman: John Haigh

### **OTHER EVENTS:**

Contact ASEG Secretary for details - (08) 274 7619

**OCTOBER 14-19:** 2nd. Symposium in Exploration Geophysics - 'China 86' in XI'AN, CHINA

**NOVEMBER 2-6:** SEG 56th. Annual International Meeting in HOUSTON, TEXAS.

For all members planning to attend this conference, Reg Nelson would be happy to produce a list of intending Australian delegates. Please contact Reg on (08) 274 7621 or drop a line to the ASEG secretary.

**NOVEMBER 13-14:** 15th. BMR Research Symposium in CANBERRA, ACT.  
Contact: Mrs. Evelyn Young, Phone: (062) 499 263 & Telex: AA 62109.

**AUGUST 20 - 23, 1987:** Society of Economic Palaeontologists & Mineralogists (SEPM)  
Fourth Annual Midyear Meeting, in AUSTIN, TEXAS.

**AUGUST 26-29, 1987:** Pacific Rim Congress 87 - "Geology, Structure, Mineralisation & Economics" - GOLD COAST, QLD.  
Contact: Congress Secretariat, PO Box 731, Toowong, Qld, 4066  
Phone: (07) 371 7900

**SEP 27-OCT 1, 1987:** Third Decennial International Conference on Geophysical and Geochemical Exploration for Minerals and Groundwater - 'EXPLORATION '87' in TORONTO  
Contact: 222 Snidercroft Rd, Concord, Ont., Canada, L4K 1B5,  
Phone: (416) 669 22809, Telex: 06-964570, FAX: (416) 669-5132

### **CALL FOR SPONSORS / CORPORATE MEMBERS**

This edition of PREVIEW has been generously sponsored by SADME - see enclosed item on the Stansbury Basin Data Package.

We would welcome sponsors for future issues.

Although we will not engage directly in advertising, we can offer in return to publish a profile of you or your company and associated activities and anything which might be of interest to the industry.

Any donations to defray the cost of producing and mailing the newsletter will be gratefully received. It will also allow us to improve the quality.

You can assist the Society in general by persuading your Company to become a Corporate Member. The major benefit is the warm glow of knowing that you have assisted your professional body, which in turn aims to be of service to you and your Company.

Please ask any member of the executive for information.

For newsletter sponsorship contact Reg Nelson directly on (08) 274 7621



## **RESEARCH IN AUSTRALIA.**

The first in a series reviewing the activities of various institutes.

### **Geophysical research at WAIT.**

In June 1985 WAIT received Commonwealth funding to establish a National Key Centre for Resource Exploration. The grant covers the following areas:

- Dept. of Geology and Geophysics (Bentley Campus)
- Exploration Seismology Unit (Bentley Campus)
- Petroleum Geochemistry Unit (Bentley Campus)
- Isotope Studies Unit (Bentley Campus)
- Satellite Technology and Remote Sensing Unit (Bentley)
- Dept of Mineral Exploration and Mining Geology (Kalgoorlie Campus)

At present there are 9 Masters Students working in Geophysics:

- Wayne Mogg (acoustic 'wave equation' modelling, KUFPEC)
- Murray Hill (seismic data processing, WAIT)
- Ray Butler (magnetic susceptibility, consultant)
- Rob Iasky (seismic interpretation (Dept of Mines))
- Steve Tobin (sign bit, Geosystems)
- Andy Mutton (base metal geophysics, WAIT)
- Mike Jervis (2D and 3D seismic modelling, FRL supported)
- Guy Patterson (3D software applications, FRL supported)
- David Heath (triaxial noise study, FRL supported)

In addition, 18 full-time post graduate students (Hons equivalent) are working on research projects associated with the Exploration Seismology Centre.

WAIT Exploration Seismology Centre has 2 research laboratories:

- Field Research Laboratory (FRL)
- Seismic Processing Laboratory (SPL)

Set up essentially by donations from private industry, the FRL operates a DFS IV 48-channel recording system with full conventional seismic recording ability. Texaco Inc. recently donated a 96-channel system. An additional 24-channel DFS IV (also donated by Texaco Inc) will be used to demonstrate seismic recording instrumentation without going to the field.

The SPL currently operates a VAX 11/750, using DEC VMS (Version 4.3) and Digicon's DISCO (version 7.0). In addition the laboratory also possesses an FPS 100 array processor, 4 Telex tape drives, a hi-resolution Benson plotter and other peripherals.

The major research effort to date has been the 'Multidimensional Seismology' project, a three year program co-ordinated by APIRA and supported by 10 sponsors. The objective is to apply low-fold 3D software developed by Allied Geophysical Laboratories (University of Houston) to data acquired by FRL. To date FRL has performed two 3D surveys, both of which are now being processed by SPL. The benefit of this approach may be the ability to conduct 3D surveys at the same cost as conventional surveys.

With the low-fold method, the power of 3D migration is used to compensate for the loss of stack. A novel approach is being investigated to suppress coherent surface noise. Surface and down-hole triaxial geophones have been used to study ground roll and a 3D hodogram program delineates particle motion. Various algorithms ( $\tau$ -p, f-k, spatial velocity filtering) have been used to suppress the effects of ground roll. The total approach aims to provide not only 3D reflection data, but also a noise model and ultimately definition of the weathered layer.

Next sponsors' meeting will be at WAIT in September 1986. Further details from Jeff Bailey (APIRA, (03) 63 7393) or Brian Evans (WAIT, (09) 350 7544)

There is currently a vacancy for a ground-roll research leader, who would use the position for post-doctoral work and lead a group in triaxial studies. Call Brian Evans.

At the Dept of Mineral Exploration and Mining Geology, Dr John Coggan continues his work on downhole EM techniques (soon to be reviewed in a special ASEG Bulletin). An appraisal of the use of IP techniques in gold exploration is also being conducted.

Dr Doug Myers of the Satellite Technology / Remote Sensing Unit offers Archive data gathered over the last 5 years in Australia, complementing CSIRO outlets in Victoria and Tasmania. Details from Doug on (09) 350 7912. Doug hopes to update his present satellite receiver system, which uses NOAA transmissions daily for oceanographic and resource exploration. An Image Processing System will soon be installed.



### **SCIENTIFIC JOURNALS**

The ASEG receives journals from other professional societies in exchange for 'Exploration Geophysics' (e.g. Acta Geophysica Sinica).

We are seeking a suitable repository (e.g. a research library) for these. Please advise the Secretary if you are interested.

### **SEARCH SUBSCRIPTIONS**

ASEG is a member of the Federation of Australian Scientific and Technological Societies (FASTS). Such membership enables any ASEG member who subscribes to SEARCH to receive a substantial discount.

SEARCH appears six times a year and will cost ASEG members only \$25 per annum.

SEARCH contains the regular column FACTS ON FASTS whereby you can keep abreast of what FASTS is achieving.

SEARCH contains many other columns and articles on the developing science policy scene in Australia.

To be informed SUSCRIBE TO SEARCH NOW AT ONLY \$25 FOR 6 ISSUES.

Please make cheques payable to ANZAAS and send to

P.O. Box 873

G.P.O. Sydney, 2001.

### **STOP PRESS !!!!!!!**

#### **1987 CONFERENCE.**

1.) Teknica has expressed interest in running a two day workshop on seismic inversion prior to the ASEG conference.

Since this would not be sponsored by the conference, the registration fee would be higher than conference-sponsored workshops.

Brian Evans, Workshop Chairman, Requests interested people to call or write as indication of support.

Phone: (09) 350 7544/7599 or write to:

ASEG Conference,

c/o Golden West Travel Pty Ltd.,

P.O. Box 411, West Perth 6005.

Telex AA95380

2.) Those intending to travel by train to Perth and attend train seminars may also wish to attend one of the following workshops:

AA) 'Advanced Seismic Interpretation' by Dr. Mike Badley.

or

BB) 'Seismic Interpretation - W.A. Oil and Gas Provinces' by Dr. Mike Middleton.

Presently AA) is scheduled for the 21st/22nd of February, and BB) for 28th Feb/ 1st March.

Train travellers will only be able to attend a workshop during the 28th Feb/ 1st March time slot.

If intending train travellers want to attend AA) instead of BB) now is the time to contact Brian Evans!

### **EXPLANATION:**

The despatch of this edition of Preview was delayed so as the Conference Registration Forms could be included.

So to those who are inconvenienced by the too short a time frame before the closing of the BMR job offer & the ASEG Wine Order as enclosed, our apologies.



Registered by Australia Post-Publication No.SBG 1116



IF NOT CLAIMED WITHIN 7 DAYS, PLEASE RETURN TO  
AUSTRALIAN SOCIETY OF EXPLORATION GEOPHYSICISTS  
P.O. BOX 44, EASTWOOD NSW 1587

POSTAGE  
PAID  
AUSTRALIA

PREVIEW NUMBER: 5 JULY - AUGUST 1986

## UNIVERSITY OF QUEENSLAND LECTURER

(TENURABLE)  
IN EXPLORATION GEOPHYSICS  
(DEPARTMENT OF GEOLOGY & MINERALOGY)

Applicants should have a strong geological background with some industrial experience in exploration geophysics and/or engineering geophysics, with evidence of postgraduate capacity such as an M.Sc. or Ph.D. degree in, or allied to, geophysics. A successful applicant without a Ph.D. will be expected to obtain this degree within an agreed time.

The Department offers a four year course leading to the degree of Bachelor of Applied Science (Geophysics). The successful applicant will be expected to assist in the development of this course and possibly in teaching related geological topics. Encouragement will be given to liaison with industry, especially where student project work can be supported.

Excellent opportunities exist for the exercise of all kinds of geophysical research, both on and offshore, petroleum, metalliferous and industrial minerals, coal, hydrogeological and a great variety of engineering geological problems. The department has a good electronics workshop, and operates first order Seismological Stations at Charters Towers 1464 kms north of Brisbane, and at Mt Nebo on the northern outskirts of Brisbane.

Salary per annum: \$27,233-\$35,777.

Closing Date: 30th September, 1986. Ref 28286.

Applications detailing full information to the Director, Personnel Services, University of Queensland, St Lucia, 4067, Queensland. Please quote reference number and department concerned.

The University of Queensland is an Equal Opportunity Employer



### ANNOUNCING THE 1986 ASEG WINE RELEASE!

Once again, the South Australian Branch Committee of ASEG have arranged a select wine release, under our own label, for the enjoyment and edification of members.

#### Red: Woodleys 1981 Cabernet Sauvignon

Due to the recent take-over of Woodleys by Seppelts, this excellent red is being cleared from Woodley's cellars and only made available to ASEG members through the close personal connections which exist between the S.A. branch president and wine industry sources! Selected by the committee from 7 offered, the wine is a full-flavoured, mature, McLaren Vale cab. sav., ready for drinking now but with potential for further improvement in the bottle. At \$37 per dozen, this represents a rare opportunity to purchase a premium red at a "closing down sale" price.

#### White: Tolleys 1985 Rhine Riesling

The committee made a near-unanimous choice in favour of this year's offering from Tolley's, who also supplied last year's riesling which has been very well received. The wine is similar to the '84, with perhaps a slightly fruitier nose, but still crisp on the tongue and showing excellent Rhine character. At \$35 per dozen, the wine is excellent value, eminently suitable for summer quaffing.

#### Delivery:

The quoted prices include, one bulk delivery to a central distribution point in each capital city - these locations will be notified in the next newsletter. Individual orders must be collected from these locations. For those members who are remote from capital centres, we suggest that you make delivery arrangements through your local branch committee.

#### Ordering:

The quoted prices have been guaranteed by the suppliers until August 19th, when rumour has it that the sales tax figure may be substantially increased. The likely increase will add approximately \$3 per dozen to the quoted figures and consequently it is imperative that our order goes in "pre-Budget".

Orders, with payment, should therefore reach Mr. Chris Anderson, C/- ASEG Wine Offer, P.O. Box 832, Unley, South Australia 5061 (Telephone: (08) 363 1414) by August 17th, 1986.



**ORDER TO:-**

Mr. C.G. Anderson,  
C/- ASEG (S.A. Branch) Wine Offer,  
P.O. Box 832,  
Unley S.A. 5061

**PLEASE SUPPLY:-**

Case(s) of Tolleys R/R @ \$35/case \$

Case(s) of Woodleys Cab/Sav @ \$37/case \$

Total

Name: .....

Address: .....

.....

.....

Telephone: .....

Capital City for Collection: .....

-----  
I wish to pay by:

☐ CHEQUE (attached)

☐ BANKCARD

☐ MASTERCARD

☐ VISA CARD

CARD ACCOUNT NUMBER:

Card Expiry Date: .....

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Signature:.....