AUSTRALIAN SOCIETY OF EXPLORATION GEOPHYSICISTS

PREVIEW

Number 22 October 1989

Perth

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: Mr G.J. Street, Tel: (09) 389 8668 Fax: (09) 389 8447

HON SECRETARY: Mr C. Dempsey, Tel: (09) 325 1988 Fax: (09) 325 8073

PUBLICATIONS OFFICER: Ms A. Heath, Tel: (09) 450 5175 Fax: (09) 325 4562

HON TREASURER: Mr W.S. Peters, Tel: (09) 364 2707 Fax: (09) 325 4562

CONTENTS

INTRODUCTION	1
ASEG BRANCH NEWS	1
MELBOURNE CONFERENCE SUCCESS	2
HONOURS AND AWARDS PRESENTED	4
ACADEMIC STUDENT LIAISON REPORT	6
PROFESSIONAL DIRECTORY	7
SEG PROFESSIONAL AFFAIRS	9
CORPORATE MEMBERS	10
LETTERS	11
MEMBERSHIP	12
CALENDAR OF EVENTS	13
CONFERENCE CALLS FOR PAPERS	14

INTRODUCTION

The Melbourne ASEG Conference and Exhibition were the highlight of the year. From the photos taken it looks as though a good time was had by all at the conference dinner. Amanda Culver and Judith Pritchard were honoured to have been invited to dance with some of the visiting Russian geophysicists. Barry Long introduced a bit of light relief to the Honours and Awards by presenting Greg Street with the "Faux Pas Award" for describing the Exhibits as sideshows. Brian Evans has written in to thank the committee for his "Endurance Award". Unfortunately, the Grahame Sands Award was not presented as no nominations were received.

The various ASEG committees were able to meet in Melbourne and I have not forgotten that several people promised to send in articles for Preview .

This month we begin publishing profiles of our corporate members, so please read on.

The Editor.

ASEG BRANCH NEWS

A.C.T.

At the September monthly meeting guest speakers, Graham Heinson and Dr. F.E.M. Lilley gave a seminar talk on "Thin Sheet EM Modelling of the Tasman Sea", which they also presented at the 7th ASEG Conference in Melbourne. This gave members who were unable to go to Melbourne a chance to hear the paper.

Mike Sexton
Acting Secretary.

N.S.W.

Stephen Greaves has resigned from his position as President of the New South Wales Branch of the ASEG and as New South Wales representative of the Federal Corporate Affairs Committee. He has moved to New Zealand but will still maintain membership of the Society and monitor its activities with interest. He sent a personal thanks to Greg Street for his assistance and friendship during his years of association with the ASEG.

S.A.

So as people can organise their ASEG calendar, here is a list of coming attractions in South Australia;-

DATE	TOPIC/SPEAKER	VENUE
7 November	Melbourne Cup Lunch Guest speaker: Eric Freeman	Waymouth Tavern
29 November	Student's Night	AMF
20 December	Christmas Party	President's Residence 11 Plymouth Ave Blackwood SA 5051

The Melbourne Cup Lunch is on again this year at the Waymouth Tavern and the guest speaker will be former Test Cricketer and Port Adelaide Footballer, Eric Freeman. Last year's inaugural lunch was a great success so keep the first Tuesday in November free and make this year's event just as successful.

Mark Flynn
Secretary.

W.A.

The PESA/ASEG 1989 Golf Classic will be held on Tuesday afternoon, 28 November, at the Cottesloe Golf Club. This is a fun day for golfers of all (or no) experience. Come along and make the day as successful as last year.

Terry Walker
Secretary.

ROYAL SOCIETY ENDEAVOUR FELLOWSHIPS
POSTDOCTORAL FELLOWSHIPS IN THE U.K.
1990 PROGRAMME

The Royal Society Endeavour Fellowships Programme is a new programme developed by the Royal Society of London which will provide postdoctoral fellowships tenable in the U.K. for Australian scientists. The new programme will be administered in Australia by the Australian Academy of Science and the Australian Academy of Technological Sciences and Engineering. The fellowships will be awarded to postdoctoral scientists with a proven ability for original work. The primary criteria for selection will be the excellence of the candidate and the scientific merit of the proposed research. The scientists are expected to return to Australia on the completion of their fellowships.

The first award holders will take up their fellowships between April and October 1990.

Subject Areas. The awards cover research in the natural sciences, mathematics, engineering science, non-clinical medical research and the scientific research aspects of psychology, archaeology and geography.

Eligibility. Applicants should be citizens of Australia and should have carried out most of their scientific training and research in Australia. Applicants should have submitted their Ph. D theses or hold Ph. D. degrees or the equivalent. They should normally be less than 30 years of age at the time of appointment; however, consideration will be given to those of more than 30 years of age who have had an interruption or late start in their scientific careers.

Number of Awards and Tenure. Five two-year awards will be offered annually to Australian scientists.

Host Institutions. Fellowships may be held in any British academic, government or industrial research organisation. Applicants must supply with their applications a copy of a letter of invitation from the host institution.

Funding. The stipend will be £16,000 p.a. Research costs of up to £2,500 p.a. will be provided. The cost of a return economy air fare will be provided for the candidate, or two return air fares for those with dependants. Not more than two air fares will be paid and no extra subsistence allowance will be payable for those with dependants.

The programme is funded by the Royal Society.

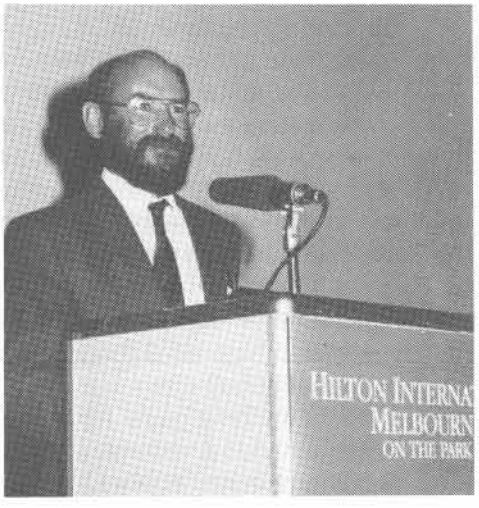
Application forms are available from:
International Exchanges Officer
Australian Academy of Science
GPO Box 783
Canberra, ACT 2601
Telephone enquiries: (062) 47 3966, Mrs Bonnie Baulch

Deadline for applications: 31 October 1989

MELBOURNE CONFERENCE SUCCESS

President's Report

by Greg Street.



Well the 7th ASEG conference and exhibition is over and was a great success. Despite the best efforts of the airline industry, geophysicists from all over the country and overseas showed that they are a resourceful profession and arrived in Melbourne by many and varied means. Last minute cancellations and no-shows were very few and on a par with previous conferences. Over 400 delegates including a large delegation from the Soviet Union enjoyed some excellently run technical sessions and one of the best laid out exhibitions we have yet seen. The Melbourne conference committee headed by the chairmen Tom Eadie and Peter Grant are to be congratulated on their organisation.

The conference was also highly successful in terms of the meetings of the various ASEG standing committees which were held at various times squeezed in between the technical sessions.

Considerable effort was made by all standing committee chairmen to bring their widespread committees together to formulate plans for the next 18 months. In particular the Conference Advisory Committee under Steve Mudge and Publications under Terry Crabb met a number of times during the week. Important decisions under conferences include the decision that the ASEG 9th Conference and Exhibition will be held jointly with the Geological Society of Australia in 1991. The venue will be the Darling Harbour convention centre in Sydney. Following strong submissions from both the ACT and Queensland branches the 1992 conference was awarded to Queensland. The planned venue is Jupiters Casino on the Gold Coast. Members of the executive have visited both

the venues in Canberra and the Gold Coast and both are excellent for ASEG style conferences. The main factor tipping the decision in Queensland's favour was the proximity of Canberra to Sydney and the 1991 conference.

Efforts are underway by the publications committee to bring "Exploration Geophysics" back on publication schedule and we hope to achieve this by the end of the year. At present we are investigating the possibility of rebinding the early issues of the Bulletin volumes 1-10 for resale. Initial interest has been low. I would appreciate any comment from the general membership. Price indications for the ten volumes is $200 to $300.

The Technical Standards committee met during the week and high on the agenda was the airborne radiometric calibration pads. The purchase of two sets of mobile pads from Canada has been recommended and the meeting discussed possible funding operations. Also it was reported that the ASEG-GDF format is now well established for airborne geophysical data and the representatives of all state geological surveys were invited to the meeting and urged to make the format mandatory for future reporting by companies.

The Student and Academic Liaison Committee met at two meetings during the week and it appears that Brian Evans is making great progress in bringing together state representatives to advise the Society on academic matters and promote geophysics in Australian Universities. This committee has done little in the past but we have great hopes for its role in the future decisions on geophysics education.

Honours and Awards took a high note in the conference with the award of the second ASEG gold medal and honorary membership to Ken McCracken. Ken gave an excellent speech about his present preoccupation with cattle, what cattle have to do with geophysics and some important thoughts on the future of geophysics in Australia. Keeva Vozoff was also awarded honorary membership.

The ASEG Research Foundation had its inaugural meeting at the conference and was well attended by 12 of the 14 members of the committee. Plans are well underway to achieve "Australian Research Institute" status for taxation purposes and to make the first awards to suitable research projects in 1990. On the Tuesday evening of the conference representatives of the Federal executive, state branches and standing committees met over dinner in the Hilton to discuss ASEG business.

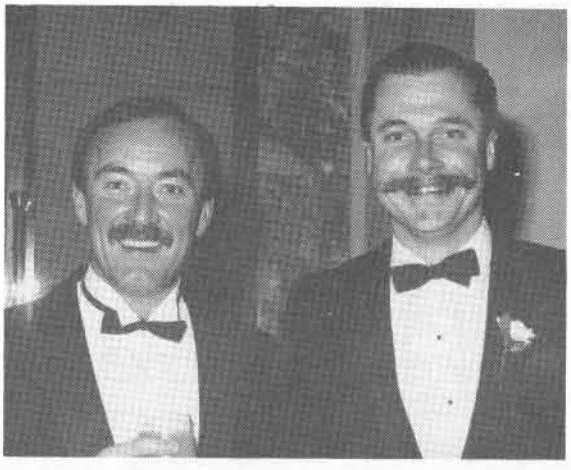
"We're obviously minerals geophysicists - we've got beards!"

Charles Stoyer, Interpex and Roger Henderson Geoinstruments

"I'm always surrounded by men with beards!!!"

David & Marilyn Tucker, Roger Henderson, Barbara Steemson, Tim Pippett and Rita Jones

"How about us, we're in the oil industry!!"



Peter Grant and Craig Gumley

These "council" meetings have become a regular part of the conference and, although at present they are informal and not minuted, play an important role in communication between the federal executive and the Society. At the meeting the movement of the executive after Perth was discussed and Melbourne suggested. The date for the change is either February 1991 or the following year. No firm decision has been made as yet but it is the feeling of the present committee that the residency of the executive should be 4 years in each state.

As is normal no drinks were served at the meeting until all official business was completed. At 8.15 immediately following the first drinks the meeting degenerated into a session of tall stories and jokes as has been the custom at previous council meetings. Contributions from Nick Sheard were sorely missed but Craig Gumley was well prepared by a mail order company. Most people managed to miss at least part of the Tasmanian "soap opera" contribution from David Leaman without loosing the thread of the story.

On a note not related to conferences the ASEG has been invited to nominate a professional geophysicist for inclusion on the BMR advisory board. This follows from good work by Eve Howell and Don Pridmore in collating the comments of members and contributing to the recent BMR Review. A summary of the published review was presented in a recent Preview . I understand however that a following financial review of certain operations will not be made public.

The coming SEG conference is imminent and the question of our involvement as "chapter" of the SEG has been raised again. Very few ASEG members are attending the conference and we have been left with only one who can represent us at the SEG council meeting. However on the agenda for the meeting is a request from the ASEG Research Foundation for a contribution to "kick off" the fund raising. We hope the suggestion is received favourably.

HONOURS AND AWARDS PRESENTED

7th ASEG Conference - Melbourne September 1989

Honorary Membership - for distinguished contributions to the profession of exploration geophysics:-

- **Kenneth Gordon McCracken** (Formerly chief of the CSIRO Division of Exploration Geoscience and Director of the CSIRO Office of Space Science and Applications).
- **Keeva Vozoff** (Professor of Geophysics, Macquarie University).

ASEG Gold Medal for distinguished service to geophysics;-

- **Kenneth Gordon McCracken**

The Laric Hawkins Award - for the most innovative use of a geophysical technique from a paper presented at the conference:-

- **G.R. Pettifer** (Geological Survey of Victoria) "Geophysical and image processing methods for detection of fireholes in brown coal, Latrobe Valley."

  Co-authored by N. Djordjevic (J.K. Mineral Research Centre), D. Heislers (Department of Water Resources Victoria), J. Schaeffer (State Electricity Commission of Victoria), and J.A. Withers (Geological Survey of Victoria).

Best Paper Presentation

- **P.M. Smith** (BHP Petroleum Pty. Ltd.). "Seismic, gravity and magnetics, a complementary geophysical study of the Paqualin Structure, Timor Sea, Australia."

  Co-authored by M. Whitehead (BHP-UTAH Minerals International).

Best Petroleum Geophysics Paper

- **G.M. King** (BHP Petroleum Pty. Ltd.). "Offset VSP's - examples of their application to exploration in the Timor Sea".

  Co-authored by S. Endersby (Seismograph Service Ltd.).

Best Mining and Engineering Geophysics Paper

- **O. Olsson** (ABEM AB)
  "Borehole radar applied to characterization of fracture zones".

  Co-authored by L. Falk, O. Forslund, B. Niva, E. Sandberg (ABEM AB).

Best Exhibit :

- **Sierra Geophysics, Inc.**

Kenneth Gordon McCracken Citation for Honorary Membership

by Keeva Vozoff,
Professor of Geophysics, Macquarie University.

Ken McCracken is a most unusual candidate for honorary membership in our Society. His major claim to prominence is not even in exploration geophysics, but in space physics, where he has an international reputation for research and, more recently, for applying space technology to the needs of developing countries.

Even more important in my view is the part he played over the past 10 years in dragging Australian industry, kicking and screaming, into the space age, resulting in hundreds of millions of dollars worth of contracts to date.

However, we want to honour him for his contributions to exploration geophysics in Australia. As most of us know, Ken was the founding Chief of the CSIRO Division of Mineral Physics, now Exploration Geoscience. He came into that job at a time when, I think it is fair to say, there was no geophysics research in the entire country. At a time of unprecedented geophysical research activity overseas, the BMR was making maps and buying overseas developments to evaluate them for the mining industry. Research in both Industry and Government consisted of trips by favoured geophysicists to Toronto, Denver, Boston, Dallas, Houston and a few other oases, followed by purchase orders. It is also fair to say that much of the imported technology was wrong for Australian conditions, but there were very few in the country well-enough trained to recognise the problems. (How many hundreds of line miles of IP were run at frequencies which were too high, and how many thousands of line miles of airborne EM, including VLF EM, never got anywhere near bedrock?). Into this situation Ken brought the approach of the space community from which he had come, which was doing better geophysics on the moon than much of that being done on the Australian land surface. With the support of the CSIRO Executive he assembled a team of engineers, mathematicians, geologists and physicists that could scientifically assess the problems the mineral explorers were having. They evaluated the possible solutions, including those being taken overseas, and decided on courses of action that quickly got his research into international mainstream in electrical and radiometric methods, palaeomagnetics, and remote sensing, and in rock analysis in boreholes, on conveyor belts and in the laboratory. He dealt with problems of exploration and production in a range of minerals industries including base metals, coal and uranium.

In building his Division and its activities he established good working relationships with scientists and senior management in those industries, in educational institutions here and overseas, and even in other Government bodies. He played a key role in setting up collaborative research with a number of other countries including the USSR, India, the USA, the UK and China.

Throughout, his approach was one of positive, constructive optimism, and the bean counters be damned.

Personally, his support in setting up and maintaining our activities at Macquarie was beyond value, and I am happy to say that his successor maintains this attitude. My guess is that the success of AMIRA is also due in significant measure to Ken's drive.

Ron Gibson, former Director General of the European Space Agency and President of the International Astronomical Federation, in describing Ken's contributions to space science, said of Ken that " During all these years he has presented Australia most creditably. It is hard to over-estimate what he has done in this respect". I think the same must be said about Ken's contributions to exploration, and specifically to exploration geophysics in Australia.

ACADEMIC STUDENT LIAISON COMMITTEE REPORT

by Brian Evans, Chairman

The following committee has been proposed to represent Geophysics education within their State. With the exception of Stuart Greenhalgh (presently overseas), all nominations have been accepted. The Committee is:

WA	Brian Evans (Chairman).	Tel (09) 351-7092
SA	Stuart Greenhalgh	Tel (08) 275 2319
	(Dep. Francois Chamalan, Clare Corani).	
QLD	Steve Hearn.	Tel. (07) 377-2179
NSW	Don Emerson.	Tel. (02) 692-2031
VIC	Jim Cull.	Tel. (03) 565-4897
TAS	David Leaman.	Tel. (002) 24-0319
ACT	Brian Kennett	Tel: (062) 49 4621
	(Dep. John Collins).	

The Committee or their deputies, met for the first time during the ASEG Conference in Melbourne. Although arrangements for the meeting were not the most efficient (two separate meetings were held), a firm resolve was established to strengthen and unite geophysics teaching groups within Australia. Problems noted were:

1) Poor funding for education.

2) Lack of understanding of funding mechanisms by both the industry and the teaching profession.

3) Reduced numbers of Geophysics undergraduates.

4) Due to the poor funding levels, inter-university problems occur with excessive time spent fighting over the same small pot of funds.

5) The allocation of 'Centre' status to any particular university group has generated friction within the teaching profession, simply because no one group should be considered as having a higher status than another.

The Committee generally felt that:

1) The poor funding for geophysics education can only be resolved by advice to the Federal Executive requesting that political initiatives be taken.

2) All Universities within each State should be more cohesive and rationalise teaching loads.

3) 'Centre' status in geophysics should not be granted to any University without the approval of the ASEG Education Committee and Federal Executive. In particular, 'Centres' operating in NSW and SA were not National Centres and only served to irritate and divide the geophysics educational fraternity rather than unite them.

4) The Victorian Institute of Earth and Planetary Sciences (VIEPS) initiative was praised as being a step forward in geoscience education. However, more information was required about this model, and there were concerns that the large number of 'new' advertised positions were, in reality, less.

The Committee members were requested to supply Geophysics course information for each University within their State to the Chairman. A concept of a unified approach to education was necessary, and if courses could be standardised across the country, it may be feasible to put on low cost specialist "ASEG visiting lecturer" courses presented by endemic lecturing staff.

Such courses would reduce the cost of teaching per institution, as well as have a leading lecturer present the same up-to-date material at each University.

There was much work to be done and the Committee felt that what had been discussed had been constructive.

SEG PROFESSIONAL AFFAIRS COMMITTEE

REPORT ON ACTIVITIES

by Lindsay Ingall.

The Committee met in Dallas on May 4, 1989. Most attention was given to problems associated with data viewing. A resolution relating to the problem was approved by the Committee and passed to the SEG Executive Committee for its acceptance.

On August 18, the Executive Committee approved a slightly altered version of the resolution submitted by the Professional Affairs Committee and it is presented here.

SEG Executive Committee Resolution

(Approved: August 18, 1989 Executive Committee Meeting)

Consistent with the SEG Code of Ethics and in the spirit of the protection of data ownership rights, the SEG Executive Committee sets forth the following:

1. When given the opportunity to inspect the quality of geophysical data, members should refrain from any activity that constitutes either a geologic interpretation of the divulging of information derived from such data, other than that pertaining to data quality, unless, prior to inspection, arrangements have been made for such activity.

2. Following the license or exchange of geophysical data, members in receipt of such data shall honour the proprietary rights relative to interpretation, reprocessing and transfer to others.

3. SEG Members shall abide by guidelines and regulations, consistent with the SEG Code of Ethics, of other professional and trade associations engaged in exploration activities.

The next meeting of the Professional Affairs Committee will be on October 30, 1989 in Dallas.

CORPORATE MEMBERS

In this and following editions of Preview , we will be giving profiles of our corporate members. These profiles will be printed in the order that they were received by the secretariat and we hope that they will be of interest to readers.

SAGASCO Resources Limited

by Robert J. Willink, Exploration Manager.

On 17 June 1988 the name of South Australian Oil and Gas Corporation Pty. Ltd. (SAOGC) was changed to SAGASCO Resources Limited (SAGASCO). Prior to 1 June 1988 SAOGC was owned substantially by the Pipelines Authority of South Australia which is a State Government statutory authority. As from that date it was merged with the publicly listed company South Australian Gas Company which was renamed SAGASCO Holdings Limited. SAGASCO became a wholly owned subsidiary of SAGASCO Holdings Limited, in which the government of South Australia holds about 82% of the shares with the remainder being held by the general public.

SAOGC, since its formation in 1977, had been one of the most active explorers in Australia, holding exploration permits in PELs 5 6 and production rights in some 34 production licences within South Australia. In PELs 5 6, SAOGC explored, as part of the joint venture and in its own right through a large number of sole risk ventures. These sole risk projects comprised about 6000 kilometres of seismic and 22 wells together with a major program of massive hydraulic fraccing of tight reservoirs.

SAOGC participated in consortia exploring offshore areas EPP 21 South Australia (Duntroon Basin) and T14P, T18P and T22P Tasmania (Bass Basin). It also conducted drilling operations in the Murray basin both on its own behalf and as a contractor to Comserv.

In each of these areas the company participated in acquisition of seismic data and drilling of wells. in the Bass Basin the exploration program resulted in the discovery of the potentially commercial Yolla oil and condensate field. In conjunction with Cultus Petroleum, SAGASCO has recently been granted the offshore Otway Basin licence EPP SA 24. In 1989 SAGASCO acquired a significant interest in PEP 101 Vic from Santos.

During 1988 in the Cooper/Eromanga area, SAGASCO participated in 68 exploration and appraisal wells and some 8 development wells.

The program for 1989 envisages some 56 exploration and appraisal wells.

In order to supervise its interests in the exploration areas held, and where necessary to carry out operations on its own behalf, SAOGC built up a highly competent team of petroleum professionals based in Adelaide, South Australia, all of whom now operate on behalf of SAGASCO.

Including technical management, a total of 18 geologists, geophysicists and engineers is employed with a wide range of technical skills. The financial and commercial departments are staffed by professional personnel who are particularly experienced in the establishment and control of both day to day operations and large scale petroleum developments.

Sattlegger Ingenieurburo

fur Angewandte Geophysik

by Dr. Johann Sattlegger.

Sattlegger Ingenieurburo Fur Angewandte Geophysik was established in February 1973, specialising in the development of seismic interpretation, velocity analysis, migration, modeling and mapping software.

The Interpretive Seismic Processing system ISPoo3 is the result of more than fourteen years of development and covers all aspects of gathering, processing, migration, modeling, contouring and mapping seismic interpretation and related data.

Sattlegger Ingenieurburo has been contractor in a number of research projects on seismic modeling, inversion and interactive interpretation sponsored jointly by the Federal German Government and the oil industry.

ANACON/INMOD is a continuous seismic interface analysis and inverse modeling system based on ray theory. ISAS and WELMOD are seismic inversion programs based on the Helmholtz-Kirchhoff equation, where traces before stack and NMO are input.

Sattlegger Ingenieurburo have also performed research in heat flow simulation taking account of freezing pore water in the ground.

DIGICON The company is located in the North German town of Meppen and comprises a team of 9 people.

by Bimal B. Banerjee, General Manager.

Digicon, an integrated geophysical services company engaged in the acquisition of processing of seismic data world-wide, is one of only a few offering a full range of land acquisition, marine acquisition and geophysical data processing.

A truly international company, Digicon has offices throughout the world. In the Far East there are regional offices in Brisbane, Singapore and Djakarta. The company's Far East Regional Headquarters located in Singapore operates a vessel Beata for marine acquisition and a second shallow water vessel, the Geotide is soon to be added to the Digicon Far Eastern fleet.

The company's fleet operates throughout the world, providing 2D and 3D seismic data acquisition. Its DSS-240 digital streamer system, developed by Digicon, represents one of the most advanced telemetric acquisition systems available. Its BirdDog realtime 3D binning system provides the means for the onboard geophysicist to monitor and evaluate coverage and acquisition parameters. And, Digicon's Two-boat survey capability uses a mid-point shooting technique which incorporates its RDL (radio data link) system for passing information between source and receiver vessels.

Digicon claims to have been the first to introduce new techniques in modern land data acquisition, including non-linear sweep processes, computer surveying techniques and transition zone recording. Its crews, experienced in working in areas ranging from mountains and desert regions to coastal marshlands, are equipped with sophisticated hardware and software.

The Digicon centres in Brisbane, Singapore and Djakarta all possess large VAX-based processing centres with the latest Numerix array processors. They are able to process all varieties of land and marine seismic data, both 2D and 3D. Even the largest 3D surveys are able to be processed. The Far East operation has its own research and programming departments which enable specialised software to be developed to meet the needs of individual clients.

In addition to the industry-standard DISCO package, Digicon has developed a comprehensive library of proprietary software. This includes such industry innovations as 3D dip moveout, partial migration before stack, pilot trace residual stack, trace excursion and depth migration before stack.

LETTERS

LETTER FROM BRIAN EVANS OF CURTIN UNIVERSITY.

During the Melbourne ASEG Conference, the WAIT/Curtin crowd had a reunion on Monday evening hosted by TESLA-10 at their hotel hospitality suite. Not only was I pleased with the 40 plus attendance that night, but I was also astonished at the quantity of ale heartily consumed. Let me take the opportunity here of formally thanking TESLA-10 for their extreme hospitality, and also to GEOSYSTEMS and other contractors who supported various events later in that most enjoyable evening.

On another matter, I would like to thank the Conference Committee for the presentation to me of the "Endurance Award". I really felt that it was not deserved, I'm sure others must have discussed their personal ordeals in getting to the Melbourne Conference, and I am most grateful for the 10 used tram tickets which I shall treasure for evermore.

Reply from the Editor.

If only they had been unused tram tickets Brian, it would have made a pleasant change after all that travel by bus.

LETTER FROM R.J. SMITH, CHIEF GEOPHYSICIST AT CRA

I recently received a copy of a soft cover textbook, "Field Geophysics", by John Milsom. This book was published in June, 1989 by the Open University Press, 12, Cofferidge Close, Stony Stratford, Milton Keynes MK11 1BY, England and is available for 9.95 sterling.

John Milsom has worked extensively in Australia, with BMR, and may be well known to many members. He is currently teaching geophysics at University College, University of London.

This book is compact (182 pages), well written and reasonably up to date. In the rapidly changing world of exploration geophysics, very few textbooks survive for long and there is a frequent need to update. This book may fill such a need with an emphasis on practical field problems, rather than extensive theory.

"Field Geophysics" does not deal with airborne methods, deep seismic or borehole logging as those are usually carried out by contract crews. It does cover practical aspects of many smaller scale field methods: gravity, magnetics, radiometrics, electrical, electromagnetic and shallow seismic methods.

I believe "Field Geophysics" is a worthwhile addition to the library of any practising geophysicist and hope you will publicise it by publishing this letter in "Preview".

MEMBERSHIP

New Members

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

MEMBER	CATEGORY	STATE/COUNTRY
Andrew Foley	Associate	NSW
Robert Pickering	Active	NSW
Jeremy Hooper	Student	WA
David Moreton	Active	NSW
James Hanneston	Active	SA
Daryl Eyles	Active	NSW
James Montalbetti	Active	NSW
Richard Steed	Active	VIC
Clive Foss	Active	Indonesia
Michael Moore	Associate	WA
Timothy McConachie	Associate	QLD
Christopher Wilkinson	Student	ACT
Leesa O'Neill	Student	WA

Unknown Addresses

We do not have the correct addresses for a few members, does anyone know the whereabouts of;-

Mr. Barry Taylor
last known address: 5/25 Cash Street
Rostrevor SA 5073

Dr Sampath
last known address: BMR
GPO Box 378
Canberra ACT 2601

Mr Svetan Sinadinovski
last known address: Data General
407 Pacific Hwy
Artarmon NSW 2064

Changes to State Branches

Stephen Greaves is moving from NSW to New Zealand.

Moving from NSW to Queensland is Llew Wynn, his new address is;-

c/o Pancontinental Mining Ltd.
47, Bolam Street
Garbutt
Townsville
QLD 4814.

Lawrence Hansen has moved from Victoria to WA where his mailing address is;-

115, Doveridge Drive
Duncraig
W.A. 6023.

Membership Statistics

The Australian financial membership as at 13 September, 1989 compared with that at 30 November, 1988 was:

SOUTH AUSTRALIA	103	102
WESTERN AUSTRALIA	150	158
NORTHERN TERRITORY	5	6
NEW SOUTH WALES	213	205
VICTORIA	92	96
TASMANIA	6	6
QUEENSLAND	91	94
A.C.T.	70	72
OVERSEAS MEMBERS	101	109
Total	831	848