

DENT ALUMNI AL



PICTURED: PROFESSOR MARIA FIDELA DE LIMA NAVARRO, IADR PRESIDENT PRESENTING PROFESSOR REYNOLDS WITH HIS AWARD

PROFESSOR ERIC REYNOLDS IS THE RECIPIENT of the prestigious IADR 2011 Distinguished Scientist Award for Basic Research in Periodontal Disease. The IADR Distinguished Scientist Award Committee recognises the significant contribution made to the field of dental research by Professor Reynolds and his team of researchers at the Melbourne Dental School. Periodontal disease, known as gum disease, affects one in three adults during their lives. If left untreated, periodontal disease destroys the bone and tissue of the gum, and can result in loss of teeth.

Professor Reynolds leads research into this debilitating disease in his roles as the CEO of the Oral Health CRC and Head of the Melbourne

Dental School and has been recognised for his significant contribution to the field of dental research by the International Association for Dental Research (IADR) during the Opening Ceremonies of the 89th General Session and Exhibition in San Diego, California, on March 16 2011.

Professor Reynolds has been a leading figure in oral health science, with more than 30 years in dental research, management and commercialisation of innovations. The developer of the remineralisation technology Recaldent™, Professor Reynolds' research into periodontal disease has focused on early detection and management of the disease. Current research projects include the development of a chairside diagnostic for periodontal disease and potential treatment of chronic periodontitis through vaccination. He has made a long-term and outstanding contribution to the understanding of the molecular

mechanisms of the virulence and pathogenicity of the bacteria associated with periodontal disease. He has been involved in periodontal disease

GUM DISEASE RESEARCH: Head of Melbourne Dental School Earns International Award

research for 30 years and has published 173 peer-reviewed scientific publications, seven book chapters and 20 patents and his total publications number more than 300. D



THE START OF 2011 HAS BEEN EXCITING for the Melbourne Dental School as we introduced the first year of our new graduate-entry dental course, the Doctor of Dental Surgery (DDS). The staff of the Melbourne

clinical simulation laboratory which will replicate the clinical environment ensuring that students are well advanced prior to contact with patients. MOHTEC will also include a 50 dental chair education and training clinic which will provide private practice experience for the DDS, Bachelor of Oral Health and Doctor of Clinical Dentistry students and enable an expansion of student numbers to contribute to the oral health professional workforce and increase community access to dental care.

The final documentation for the tender process has been prepared and we will soon proceed to the tender stage of the project with the overall project still on track to be completed early 2012. I would like to thank all the School staff involved in the design of MOHTEC as it represents a substantial amount of work at a time when we are also introducing a new curriculum. MOHTEC will provide the platform for the expansion of the School's reputation as a Centre of excellence in Teaching and Learning,

Research and Research Training and Engagement; the three components of the Triple Helix that underpins the University's Melbourne Model and Strategic Plan Growing Esteem.

I would like to welcome all new staff members and thank them for joining the Melbourne Dental School. I would also like to congratulate Professor David Manton for being appointed to the Elsdon Storey Chair of Child Dental Health and Head of the

Section of Growth and Development and also congratulate Associate Professor Paul Schneider for his appointment as Head of Orthodontics in the School. I thank Paul for his substantial contribution to the design of MOHTEC. These new appointments augur well for the future of the School.

PROFESSOR ERIC REYNOLDS AO

From the Head :

Dental School have worked very hard to develop this new and challenging curriculum and we are delighted with the number and quality of the applicants for the inaugural first year of the program.

The first year cohort of the DDS (85 students) have impressed with their maturity, interest in dentistry, enthusiasm and their general biomedical knowledge. Again I would like to congratulate the School staff lead by Menaka Abuzar, Michael McCullough and Matthew Hopcraft for the outstanding curriculum that has been developed for the DDS. It is gratifying that the Australian Dental Council has shared our view of the DDS curriculum granting it New Program Accreditation and praising the innovation and high quality of the course.

Another exciting initiative for the Melbourne Dental School is the development of the Melbourne Oral Health Training and Education Centre (MOHTEC) at 723 Swanston Street. The Schematic Design and Design Development stages of the project have been completed and it is pleasing to report that the Melbourne City Council has now approved a Planning Permit for the works to proceed.

Everyone at the School is delighted with the design of the facility which includes a 50 seat

Everyone at the School is delighted with the design of the new MOHTEC facility which includes a 50 seat clinical simulation laboratory which will replicate the clinical environment ensuring that students are well advanced prior to contact with patients.

AM AWARD: Dr. Jamie Robertson Working with Rotary Australia's Vietnam Project



Jamie undertakes extensive fund raising within Rotary for the project, including funding for interpreters, transporting children to and from clinics, repair and purchasing of dental equipment and extra transportation that can be required to get around Vietnam.

DR. JAMIE (JAMES) ROBERTSON HAS BEEN APPOINTED a Member of the Order of Australia for service to dentistry and international humanitarian aid through the delivery of health programs in Asia.

Jamie first started his voluntary experience through Rotary. After graduating, he worked in two London hospitals and was then employed by the International Grenfell Association, a medical association in North Canada, which provided medical and dental services in small fishing settlements dotted around the coast of Labrador. He found this work very interesting and decided to undertake volunteering work some years later.

His first voluntary work was in 1983 in refugee camps in the Philippines for Vietnamese boat people on the Island of Palawan where he worked for two months providing first aid dental work located at a military base in Puerto Princesa. Jamie found it sobering that Vietnamese boat people would arrive in the camps with perfect dental health despite their malnutrition.

However, within two months of camp stay, the primary teeth of children were showing widespread carious lesions, largely as a result of an over indulgence in sweet foods and drink, provided as a treat by the UNHCR. Jamie understood that without a preventive health message, it was a losing battle to concentrate on the simple repairing of damaged teeth.

In 1984, Jamie was asked by a Melbourne Rotarian to join him in a Tibetan refugee settlement located in Dharmsala, Northern India. After an initial two week visit, the group decided to return and start a program to expand the knowledge of disease prevention and treatment capabilities.

Many of the Tibetan children were in boarding schools, which in reality was spartan accommodation with basic food, although they were still getting exposure to sugar through Tibetan tea, which is a saturated sugar solution. They started a small programme with Australian volunteers going over twice yearly and to this day, the programme is still going. The emphasis has changed now to provide mentoring for young local Tibetans who have done short training courses. Rotary teams are no longer providing the care but this is provided by the local therapists who have helped set up small clinics in the schools and settlements.

In 1991 a visitor who had been to Vietnam spoke to Melbourne Rotary Club and described how that country had just been through a series of starvation years in the late 1980s and early 1990s. Rotary Melbourne organised a health mission to Ho Chi Min City via an introduction by a Vietnamese paediatrician and Jamie was invited to go there as the dentist. At the end of this visit the Vietnamese people said they would like the dentist to return as they had not experienced a dentist going into the schools and talking to the teachers and children as well as providing primary care services. That programme developed into the one that is still running now. In the early days there was a team of two dentists and two dental assistants working in small Health clinics. They took all equipment and consumables. Now, teams work in association with the Ministry of Health in Vietnam and they continue to donate more equipment to enhance the dental services in rural areas throughout the year.

Teams with the Rotary project spend five years in one location then move on to another province. Jamie explains that the five year span permits the introduction of new equipment, materials and ideas as well as an assessment of their utilisation and effectiveness over time. Moving locations also means that the performance of local dental workers improves in more areas, as well as keeping the project fresh and thriving.

Rotary supplies organisational support, and when possible some grants, but all volunteers are totally self-funded. Jamie undertakes extensive fund raising within Rotary for the project, including funding for interpreters, transporting children to and from clinics, repair and purchasing of dental equipment and extra transportation that can be required to get around Vietnam.

In 1998, the National Hospital in Ho Chi Min City requested specialists be added to the volunteers, visiting Vietnam and being based at the hospital. The three initial specialists involved in this project were Dr. Jamie Lucas, Mr Rowan Story and Dr. Luke Maloney. As a result of the success of this initial visit, specialists continue to visit, and volunteers now cover a broad spectrum of dental specialities. A programme of cleft management has developed with its own component of maxillofacial, orthodontics, paediatric dentistry, speech pathologists and nursing, showing that the repair of cleft palates needs a multi disciplinary approach. The Cleft Care Team works mainly on older children to provide hard tissue repair and arch development. Led by Mr Rowan Story and Mr Bill Besly, the Cleft Care team continues to go from strength to strength.

Melbourne Dental School became involved in the Rotary Vietnam project 10 years ago, introducing the project to Bachelor of Dental Science students. GC Corporation offered a prize of \$3,500 for a student to accompany each field team. Interested students were been invited to write an essay and the best three students were interviewed by Jamie and Dr. Esperance Khawagi (Dental Health Services Victoria) to select the winner. Students who go to Vietnam are encouraged to participate in clinical treatment and learn about health care delivery in resource poor settings. For the past five years Emeritus Professor Louise Brearley-Messer has offered to guide participating students through a minor research project while in Vietnam. This has been very successful and has resulted in students gaining a richer experience from their participation.

Undergraduate students and all team members act as ambassadors for Australia and the profession whether they realise this or not. Further, individuals learn how to cooperate and share in sometimes difficult circumstances. The popularity of the projects in India and Vietnam among volunteers and beneficiaries has contributed to the development of friendships and strengthening of international ties.

On behalf of the Melbourne Dental School we congratulate Dr. Robertson on his award and acknowledge his contribution to the School and our students. ▶

Namaste

A Visit to Kantipur School of Dentistry JANUARY 2011

TO SHOW THE DEVELOPMENT OF DENTAL HYGIENE EDUCATION IN NEPAL, a meeting of international dental hygiene educators was held in Kathmandu in January 2011. The six-day program was organized by the Buddhi Bangara Foundation Australia (BBFA) and Kantipur School of Dentistry (KSD). Mr Ron Knevel, third year coordinator for the Bachelor of Oral Health at La Trobe University and who is also the BBFA Chairman, led the team of 25 international educators on a tour of Kathmandu and Pokhara.

The aim of the meeting was to observe the development of dental hygiene education in Nepal by visiting two of the main educational institutions for dentistry and dental hygiene, where the dental hygiene educators were introduced to the content of the programs, the history of the curriculum development and the scope of practice of dental hygienists in Nepal.

In Kathmandu the team visited the Kantipur School of Dentistry and Dental Hospital (KSD and DH), the first dental school in Nepal, which was established in 1977 with the support from a Japanese NGO Buddhi Bangara, to bridge the existing gap between the dental health care need of the people and the dental service providers in the country. Kantipur School of Dentistry and Dental Hospital is committed to

delivering the finest progressive Dental Hygiene Education work to protect, promote, maintain and improve the oral health of the people of Kathmandu and other regions of the country. Students planning a career in dental hygiene can prepare either at the two year dental hygiene (Technical Award) or three year Certificate in Dental Science (CDS). Both programs offer the preparations to become dental hygienists, however, the graduates from the CDS program can pursue a Bachelor of Dental Science (BDS) in Dentistry.

The tour included a visit to Pokhara which is situated 200km west of Kathmandu valley with a population of around 95,000. In Pokhara the group met with students and academics from Kantipur Institute of Health Sciences, a branch of KSD and DH, which recently relocated to a larger facility to accommodate the growing number of students

:FACT FILE:

NEPAL: MOUNTAINOUS NATION AREA: 147,181 KM² POPULATION: ABOUT 30 MILLION

FIRST DENTAL TEACHING HOSPITAL: ESTABLISHED 1997

DENTISTS GRADUATED: APPROXIMATELY 1,000

CHALLENGE: MANY LEAVE THE COUNTRY TO SEEK EMPLOYMENT IN OTHER COUNTRIES, LEAVING A SHORTAGE IN THE WORKFORCE TO ADDRESS THE ORAL HEALTH CARE OF ENTIRE POPULATION

POPULATION DEPRIVED OF ORAL HEALTH SERVICES: MORE THAN 75%

COMMON PROBLEMS OF HEALTH: ORAL DISEASES DUE TO LACK OF EDUCATION AND AWARENESS

MOST VULNERABLE: THE RURAL POPULATION CARRIES THE GREATEST BURDEN OF ORAL DISEASE DUE TO BARRIERS SUCH AS INABILITY TO ACCESS INFORMATION, HEALTH SERVICES AND TRANSPORTATION

DENTAL CARIES AMONG CHILDREN AGED 5-6 YRS: 67%, INCREASING WITH AGE (SOURCE: WORLD HEALTH ORGANISATION)

INITIATIVE: ESTABLISHMENT OF THE DENTAL HYGIENE PROFESSION IN NEPAL

as well as the provision of dental services for the community members from three regions and sixteen districts in the institutions' catchment area. Both institutions engage the dental and dental hygiene students in oral health promotion camps, especially in rural areas focusing on prevention. During the dental camps the individuals are screened, given oral hygiene instructions and information about prevention of oral diseases and removal of calculus is often performed. The dental hygiene academics at Kantipur School of Dentistry and Dental Hospital and Kantipur Institute of Health Sciences demonstrated teaching methods and the facilities that meet international standards and the support and recognition from the International Federation of Dental Hygienists. □

from extremely poor families and the rest were adopted by DRC from the street. DRC's sole goal is to equip the orphans with all the necessary skills along with formal education to enable the children to be self reliant and independent.

Overall, this was an interesting and memorable meeting that demonstrated the ripple effect of education. Nepalese who become dental hygienists can contribute to a reduction in the Nation's workforce shortage and will be given the chance to change their socioeconomic status and possess the ability to return to their communities to provide oral health promotion and disease prevention. The international dental hygiene educators' meeting provided me with the opportunity to observe the positive impact dental hygiene education has had on the lives of the Nepalese people. □

By Ms Su-yan Barrow,
Lecturer and Coordinator,
Bachelor of Oral Health



KANTIPUR SCHOOL OF DENTISTRY
AND DENTAL HOSPITAL CLINIC



PRE-CLINIC KANTIPUR SCHOOL OF
DENTISTRY AND DENTAL HOSPITAL



THE INTERNATIONAL EDUCATORS AND ACADEMIC AND STUDENTS FROM KANTIPUR SCHOOL OF DENTISTRY

DENTAL SCREENING FOR AN ORPHAN AT THE
DISABLED REHABILITATION CENTRE



FROM THE DENTAL MUSEUM

Australian Dental Art

By Dr. Neville Regan

THE SUBJECT OF THE DENTIST AND PATIENT

in art has been well documented in many countries. The oldest image on this theme is on a Scythian vase dated 3-4th century B.C. which was found in Russian Crimea. There are a few stone reliefs and carvings in Europe from medieval times and also a number of 15th century miniatures in manuscripts. Images in paintings, drawings and prints from the 16th to 20th century, have been extensively recorded.

In forthcoming issues of *DENT~AL* I will be submitting for publication a series of images on this theme, consisting of a selection of Australian painters, illustrators and cartoonists dating from the 1790s onwards. Artists will include John Brack, Albert Tucker, Norman Lindsay, May Gibbs, Donald Friend, Rupert Bunny, Will Dyson, Max Dupain, S.T. Gill, Phil May, Daryl Lindsay, Judy Green, Mary Leunig, Jeanette Rowe and Charles Nettleton. In addition, there will be antiquarian prints and modern cartoons.

The first image in this series is a triptych style print from *The Illustrated Sydney News and New South Wales Agriculturist and Grazier*, published as part of a series entitled "Sydney Street Architecture". It illustrates the street façade of a three storey terrace house at 44 Wynyard Square, Sydney. It portrays in detail Mr John Spencer, an English trained dentist who commenced practice in 1868¹, dressed in a frock coat in his surgery, standing at his worktable which is on a moveable arm attached to the wall above a washbasin.

His patient is sitting in a 'centennial chair' with a central screw shaft for vertical range and a fixed back rest with an adjustable head rest. Beside the chair is an elaborate spittoon with water jug and glass. Attached to the opposite wall is an expanding and retractable arm with bracket table and instruments. In the foreground is a cable or flexible shaft foot engine, which



PICTURED: Unknown illustrator, "Sydney Street Architecture - exterior and interior views of Mr. Spencer's new premises, Wynyard Square", *The Illustrated Sydney News and New South Wales Agriculturist and Grazier*, December 21, 1878, woodblock print on paper, 23.0 x 13.0 cm. Private collection.

is positioned near a vanity table. Lighting is provided by twin gas lights with glass bowls on a pulley and large floor to ceiling glazed doors. The room is decorated in tasteful discernment and is carpeted in a heavy pattern; but not around the chair.

On the left hand side of the triptych we see the wooden floored laboratory where there are five technicians and boys sitting at a bench next to long vertical windows. The foremost workman is using a hammer and anvil to work some metal. In the foreground is a work station with a semi circular cut bench and a debris catcher underneath. On the bench there are pliers, moulds or models and a bottle; neatly slotted on the division are probes, wire cutters, pliers and files. In the middle of the room are two standing technicians, one is working at the bench, the other appears to be using a hand roller for gold. On the left hand side are four work stations. There are large bottles and containers stored underneath and above. At the far end is a gasometer for generating, preserving and administering nitrous oxide gas and in contrast to the surgery, lighting is provided by twin coverless gas lights.

In comparative art, this print is a rare depiction of a very early workroom or laboratory. The first major commercial laboratory to prosper—W.H. Stone and Company Dental Laboratory—opened in Boston in 1887². Given the number of technicians at work, this would suggest Mr. Spencer's practice was not only a precursor of its time, but also a successful and profitable business.

NOTES

1. *A history of dentistry in New South Wales, 1788-1945 / original manuscript by R.W. Halliday; arranged and edited by A.O. Watson, with a foreword [sic] by Robert Harris, [Sydney]: Australian Dental Association, N.S.W. Branch, 1977, p. 85.*

2. *Malvin E. Ring, Dentistry; an Illustrated History, New York: Harry N. Abrams; St. Louis: C.V. Mosby, 1985, p. 269.*

with the call sign in English—"Germany calling, Germany calling"—by the news reader 'Lord Haw-Haw'. Lord Haw-Haw was the nickname applied to William Joyce, an American born Englishman who had defected to the enemy and who had a most absurd over dramatised upper class accent¹. The German propaganda regarding the occupying forces was an attempt to downgrade the actions of the troops in Tobruk who were living and fighting like rats in underground tunnels and dug-outs, afraid to come out during the day. The German news in English was broadcast world wide and was received with scorn and amusement by both the civil and military authorities. The defending units reacted to Lord Haw Haw's comments with derision and were proud to be known locally and across the radio world as the Rats of Tobruk!

Both during the siege and afterwards, the Australian defendants, through various army associations, made representations to military authorities and the government for official recognition of the defence of Tobruk by the issue of an appropriate medal. During the siege it is believed that there were attempts by individuals to produce a medal. Given there would have been many groups amongst the allies who had the knowledge and skills to make one in some form or other, either by working on existing sheet aluminium from crashed enemy aircraft, or by melting scrap and casting it, this was quite possible. Such skills could have been found amongst fitters and turners, armourers, aircraft instrument repairers and dental technicians. For making a small object by direct casting, there would have been none better equipped than dentists and dental technicians with their special laboratory attached to a military hospital. Such a unit existed in Tobruk and would have had a casting machine, investments, waxes and suitable alloys for the making of dental splints which were used in the treatment of jaw and facial injuries. The weight of metal to produce a medal similar to the one shown here would have been approximately equal to that required for a dental splint. However the casting of such a small object from an aluminium alloy using dental techniques would have been difficult due to the lack of flow of the molten metal. The result would have lacked the detail shown in the present example. Better castings could have been obtained if scrap material from cartridge or



The Medal

By H. F Atkinson

ONE OF THE MANY

FASCINATIONS OF CURATING is the finding of an un-catalogued object in an oft examined box and the subsequent research for identity and provenance. Such was the situation with a small dark bronze circular medal showing in the centre, a seated rodent, and round the border in raised characters, 'Rats of Tobruk 1941'.

The Allied campaigns in the Western Desert during World War II have been well documented with the siege of Tobruk involving Australian forces receiving special attention here. The siege lasted from April to December in 1941. The determined resistance of the occupying forces in delaying the enemy advance, thereby denying them the use of the port, was a thorn in the German high command. As a result, the allied defence of Tobruk was referred to almost nightly on the German radio in the English Language News at 9pm. The news opened



FROM THE DENTAL MUSEUM

the use of animals in heraldry there is but one to the common rat which shows the animal as seated with paw raised, formally 'rat sejant erect'³. The animal on the medal is much more like the desert rat of the shoulder flash of members of the Eighth Army than the common rat referred to by Lord Haw-Haw that would have inhabited a harbour town such as Tobruk. The use of the date 1941, indicating the end of the siege, would also suggest a post war production.

I would like to suggest that the animal on the medal is, rather, a good representation of the jerboa, the true desert rat of North Africa. It has short fore legs and long powerful hind ones for jumping, resembling somewhat a kangaroo, with a long tail finishing in a feathered end.

The selection of the well known Eighth Army's desert rat for the medal, in preference to the common one, may have been an attempt to get greater recognition of the siege in the context of the wider desert campaigns and thus enhance the prospects for greater recognition and the casting of an official medal. It is also possible that there was a dental influence in the design. The jerboa was particularly well known to dentists. As young students it featured in their comparative anatomy studies as a unique animal possessing a special form of enamel covering to their teeth, a fact drilled into the minds of generations of dentists. As Professor Amies was responsible for this section of dental training, and was known to be very interested in post war ex-service organizations, is it possible that he was the dental influence in the design and making of the original medal? D

NOTES

1. At the end of hostilities Lord Haw Haw was convicted of being a traitor and hanged.
2. Personal communication to the author.
3. Arthur Charles Fox-Davies, *A Complete Guide to Heraldry*, revised J.P. Brooke-Little, Richmond Herald of Arms, Thomas Nelson and Sons Limited, 1969.

PICTURED: Medal, 'The Rats of Tobruk', 1941, c. 1950, bronze, 1.5 x 3.5 cm, Henry Forman Atkinson Dental Museum.

shell cases was used as they were a form of brass alloy.

Research has indicated that the present object is one of a small group made in the early 1950s² by Doctor C.G. Dennis, a senior lecturer in the Department of Dental Prosthetics of the University of Melbourne, at the request of Professor A.B.P. Amies (later Sir Arthur), Dean of the Faculty of Dental Science. The methods used by Doctor Dennis to prepare this specimen were modified dental procedures. First an impression was made of the specimen in which a wax pattern was formed that was either invested or 'burnt out' to make a mould. Into the resulting cavity molten metal was forced. Due to the thinness of the pattern there was difficulty in casting the ribbon loop which was often produced in solid form and opened out later. The metal used was a bronze alloy known as 'technique metal' that was developed for practical casting exercises by dental students.

But what of the original medal? During the siege Professor Arthur Amies was a Major with a dental unit attached to No.4 Australian Military Hospital in Tobruk. Beyond the fact that the original, from which the copy was made, belonged to Professor Amies nothing further of it is known. Close examination of the present reproduction would suggest that both the design and the detail of the original from which it was made, was a post war professional production with some refinement in relation to the appearance of the animal. In reference to

PROFILES



Dr. Denise Bailey

DR. DENISE BAILEY
The Accidental Researcher
After qualifying in the UK, I spent 10 years as a general dentist working in the National Health system. I've always had a bit of wanderlust (inherited from my mother, who immigrated to the UK from Sierra Leone aged 17) and took a year off to back-pack around the world. I spent a bit of time in Melbourne, but didn't realise it was to become my home.

A couple of years later, I found myself in Melbourne again for a year and had a great time! It is a very easy place to live! After returning to the UK to complete a Masters in Removable Prosthetics, I decided to apply for Permanent Residency in Australia and returned in 1999, just in time for the Millennium celebrations. I worked as a locum for a while (interesting work),

part time as a general practitioner in Frankston and then for Dental Health Services Victoria doing Removable Prosthetics. It was here that I worked with Eryn Agnew who mentioned that her husband Mike Morgan was looking for a Clinical Trial Examiner for a large chewing gum study. I joined the "chewing gum team" in early 2001 and worked on the project for the next 5 years. The chewing gum study was the largest dental clinical trial undertaken in Australia and was designed to look at caries prevention effect of a sugar-free gum containing Recaldent. I and another examiner, Dr Claudine Tsao, travelled with a team of assistants to schools all over Melbourne examining thousands of adolescents on school desks using portable equipment. Another team took radiographs of the children using a specially designed x-ray van. It was an amazing study to be part of and we all learnt a huge amount about the logistics and difficulties of conducting large-scale clinical trials. As part of the study, I was given the opportunity to complete a Graduate Certificate in Clinical Research which whetted my appetite for further clinical research. With the experience gained from the chewing gum study I went on to act as Chief Investigator for other clinical trials within the CRC for Oral Health Science.



Pictured: Dr. Aghareed Mohammed on the right with her husband Ali and sons, Yazen, Rayan and Ashraf

DR. AGHAREED MOHAMMED
PhD Candidate
Aghareed studied at the University of Mosul, Iraq and was amongst the top three of the class every year during her study, passing her BDS in June 1999. In the same year she started her dental internship as a rotator at the Health Institute in Mosul. After completing her internship, she was appointed to the dental teaching hospital of Mosul University by the Ministry of Higher Education and Scientific Research. Aghareed worked as a clinical demonstrator for

16 months in the Maxillo Facial Surgery department, where she met her husband Ali.

In late 2002, Aghareed moved to Baghdad and enrolled in the clinical course for a Masters Degree in Paediatric Dentistry at Baghdad University. Ali was completing a Masters degree in Oral and Maxillofacial Surgery at the same college. After completing her study in 2005, Aghareed had two sons. On returning to Mosul, she was appointed as a teaching staff member at Mosul University, a position only awarded to top graduates. As part of the position, she treated paediatric patients, undertook research and lectured to undergraduate students. Due to her passionate commitment to children's dental health, Aghareed also ran a private practice as a paediatric dentist along with her academic position in the university.

Owing to her outstanding academic record in her undergraduate and postgraduate studies, Aghareed was awarded a scholarship by the Iraqi government to undertake a doctorate degree in paediatric dentistry. She chose the Australian Universities and aimed at the University of Melbourne to achieve her academic ambition. In the meantime, she also gave birth to her third son. Although the challenge of studying

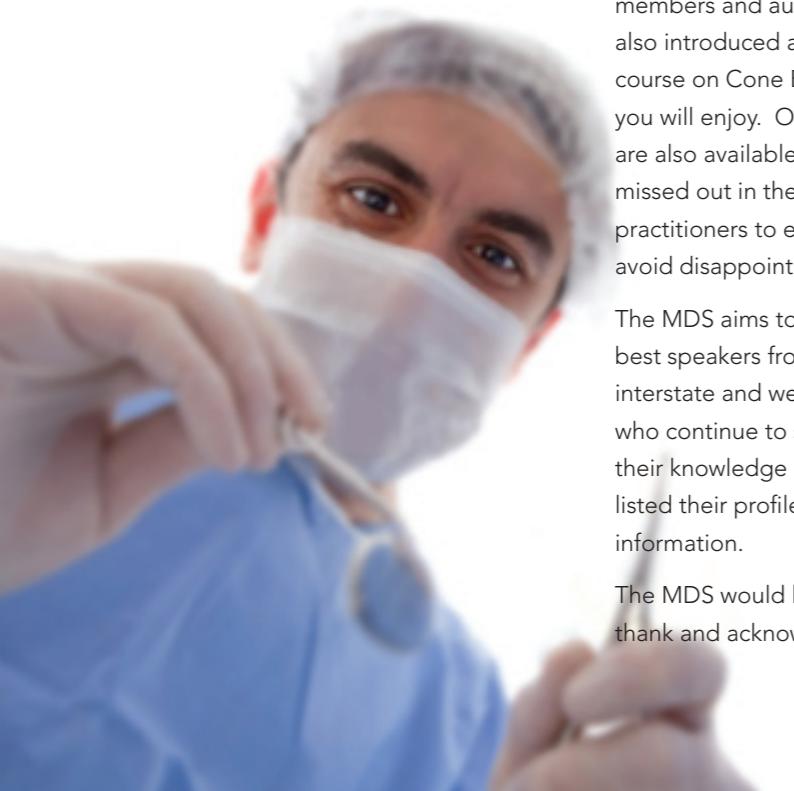
A couple of years ago I was approached to help write a grant application for funding for a new dental practice-based research network, a collaboration between the ADAVB and the CRC, aimed at promoting general practice-relevant research undertaken by dental practitioners teamed with academics from the Melbourne Dental School. Although not successful in gaining the government funding, the network was established and named eviDent. Because of my background in research and general practice I was invited to become an eviDent committee member. It has been a privilege to be involved in eviDent from its earliest stages and to see the energy and commitment of its practitioner and academic members. I hope to see eviDent go from strength to strength.

It has been an interesting, but sometimes difficult journey from practitioner to researcher. Not coming from an academic background has presented some challenges (e.g. learning how to write journal articles, research proposals and protocols), but I have never regretted the transition. I have just started a PhD looking at the issues around the ethics of treatment provision when a third-party funder is involved. If all goes well, I'll be celebrating my PhD and 50th birthday around the same time!

was not new for her, it was tougher this time to accommodate her PhD study with three young boys. Aghareed says that being away from extended family support, friends and social network in her home country as well as the different lifestyle in Australia was a further challenge. However, Aghareed says the support of her husband Ali, who understands and shares her concerns and provides her with continuous support and encouragement, has helped her to achieve progress in her studies. Aghareed says she feels privileged in being supervised by very supportive academics at the Melbourne Dental School.

Aghareed has become well acquainted with the life in a friendly multicultural country and has enjoyed communicating with a network of local and international friends. The challenge for Aghareed and her family is not over. Her husband Ali has taken advantage of being in an academically and internationally reputed University and has enrolled in a PhD degree in Oral Anatomy, Medicine and Surgery at the Melbourne Dental School. Aghareed says that Ali and her feel that they still have the same family support they miss in their homeland, in the kind and familial environment provided by the staff of the Melbourne Dental School. D

: Continuing Professional Development :



DEAR COLLEAGUES Welcome to the 2011 Melbourne Dental School (MDS), Continuing Professional Development Program.

The MDS is pleased to deliver our seventh CPD program in conjunction with the ADAVB. This year the MDS is offering a comprehensive program with includes several newly developed courses. We are offering two conference style programs to be held at the Bio21 Institute at The University of Melbourne. "Contemporary Management of Dental Trauma" is supported by several of Melbourne's leading Endodontists. "PEP Talk 2011" will discuss the very latest issues in Periodontics, Endodontics and Prosthodontics and promises to deliver engaging and topical discussion from panel members and audience alike. The School has also introduced a new lecture and hands on course on Cone Beam CT which we are sure you will enjoy. Our most popular programs are also available to those who may have missed out in the past and we encourage practitioners to enrol as early as possible to avoid disappointment.

The MDS aims to bring our audience the very best speakers from throughout Victoria, and interstate and we thank our many presenters who continue to support this program and share their knowledge and expertise with us. We have listed their profiles in our brochure for your information.

The MDS would like to take this opportunity to thank and acknowledge our 2011 sponsors for

their support of this publication and the wide range of hands-on courses held at the MDS.

Our thanks and appreciation is also extended to the CPD committees who continue to provide us with invaluable feedback and suggestions in order to strengthen our current courses as well as assist us with future planning. Within our own unit I would like to personally thank Sam, Elena, Mario, Sue and Elly who continue to manage all the MDS courses to the highest of standards.

We do hope you enjoy our 2011 program and we look forward to seeing you throughout the year.

*Dr. Roy Judge
(Director) Continuing Professional Development Melbourne Dental School*

PEP Talk 2011

THE MELBOURNE DENTAL SCHOOL is proud to present in conjunction with Straumann and Ivoclar Vivadent, "PEP Talk 2011". We have brought together leading speakers in the areas of Periodontics, Endodontics and Prosthodontics. PEP Talk is where the restorative disciplines meet to discuss and highlight the very latest in clinical management in periodontics, endodontics and prosthodontics. As practicing clinicians we are all facing ever more complex treatment planning dilemmas in our own practices. Each of the discipline heads at the MDS is proud to facilitate discussions centered on these issues. To help cement these important trends in restorative care, Dr. Gerry Clausen will test the speakers with a series of unseen cases during the final session.

Prosthodontics

Session Chair: Dr. Roy Judge

Dr. Andrew Dillon BDSc, MDSc (Melb)

- :: Current All Ceramic Restorations
- :: Common clinical applications
- :: Preparation Design
- :: Cementation techniques
- :: Avoiding Failures

Dr. Chris Evans BDSc Hons (Melb), MDSc (Melb)

- :: Surgeon and Prosthodontist interaction
- :: Restorative driven concepts and execution
- :: Understanding placement from a prosthetic design perspective
- :: Channels for Communication
- :: Failures of interaction

Endodontics

Session Chair: Associate Professor Peter Parashos

Dr. Mark Evans

MDSc, GradDipClinDent, MRACDS(Endo), FPFA, FADI

- :: What constitutes a 'difficult' patient?
- :: What influences our perceptions of a difficult patient?
- :: How to handle difficult patients
- :: Use of pharmaceuticals
- :: When and how to terminate the relationship with a patient – your obligations

Dr. John McNamara

BDSc, MDS, FICD, FADI, FPFA, MRACDS(Endo)

- :: Endodontics and litigation – why so popular?
- :: Endodontics in Dental Litigation
- :: Why patients sue
- :: Risk Prevention
- :: Patient Expectations
- :: Relationships with other Care Providers

Periodontics

Session Chair: Associate Professor Ivan Darby

Dr. Adam Rosenberg BDS, MS

- :: Clinical assessment of gingival recession
- :: Classification system used to diagnose gingival recession
- :: Conservative management of gingival recession
- :: Surgical management of gingival recession

Dr. Stephen Chen BDS MDSc FRACDS PhD

- :: Diagnosis of peri-implantitis
- :: Pathophysiology of peri-implantitis
- :: Causes of peri-implantitis
- :: Management of peri-implantitis
- :: Treatment outcomes

Clinical Conundrums

Dr. Gerry Clausen

BDSc, LDS, MDSc, FRACDS, FPFA, FICD

This session will revolve around common clinical errors and Dr. Clausen will present a series of "mini lectures" focused around cases from his many years of specialist practice highlighting key clinical pitfalls.

The presenters will provide further insights into case management by discussing their treatment strategies.

:: Transitioning the dentition to implants; prognostic considerations and informed consent

:: Endodontic evaluation; diagnostic criteria Peri-Implantitis; intervention or observation?

:: Additional cases will also be available for discussion if time allows. **D**

: PEP DETAILS :

DATE: **FRIDAY 22 JULY 2011 (9AM - 5PM)**

VENUE: **THE BIO 21 INSTITUTE,
THE UNIVERSITY OF MELBOURNE,
30 FLEMINGTON ROAD, PARKVILLE
(MELWAYS REF: 2A K7)**

CREDIT: **6 HOURS OF SCIENTIFIC CPD**

COURSE LIMIT: **150**

FEE: **\$400**

THIS COURSE IS KINDLY SPONSORED BY:



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Alumni Conversation Evening with Professor Mike Morgan

The Faculty of Medicine, Dentistry and Health Sciences recently invited

Professor Morgan to hold a conversation evening over dinner with several Melbourne Dental School alumni. Mike's discussion was based on the challenges faced in providing dental professional education today, the pivotal role that the organised profession plays and the benefits of co-operation between town, gown and the public sector. This Conversation (formerly a part of the Conversations at Masani series) was held at one of the finest restaurants in the Lygon Street precinct, Cafe Italia. Hosts for the evening were the Dean of Medicine, Dentistry and Health Sciences, Professor James Angus AO and Head of the Melbourne Dental School, Professor Eric Reynolds, AO. The series has been organised to provide alumni with the opportunity to take part in an intimate, challenging and thought-provoking conversation with fellow alumnus. This Conversation is also to inform colleagues on the measures taken to ensure standards in dental education are maintained around the country. Mike's teaching responsibilities cover aspects of dental public health. His research interests include oral health informatics and clinical trials of dental caries preventive agents. He is a former member of the Dental Practice Board of Victoria. He is currently the Principal Oral Health Advisor to Dental Health Services Victoria and chairs the Accreditation Committee for the Australian Dental Council. Mike is also a keen scuba diver. Mike Morgan (MDSc, 1985, GDipEpid&Biostat, 1993, PhD, 1996) is the Colgate Chair of Population Oral Health and Deputy Head of the Melbourne Dental School.

Awards, Scholarships & New Appointments

AN ARTICLE CO-AUTHORED BY DR DENISE BAILEY HAS WON THE AUSTRALIAN DENTAL JOURNAL'S SCIENTIFIC ARTICLE CATEGORY FOR 2010. Campain AC, Mariño RJ, Wright FAC, Harrison D, Bailey DL, Morgan MV. The impact of changing dental needs on cost savings from fluoridation. *Australian Dental Journal* 2010; 55: 37-44. The award was announced in the Australian Dental Journal and the Australian Dental Association News Bulletin and was formally presented at the Opening Ceremony of the Australian Dental Association Congress in Brisbane in April. Editor's note: See Denise's profile in this edition of Dent-al



DR PAUL SCHNEIDER HAS BEEN APPOINTED AS ASSOCIATE PROFESSOR, HEAD OF ORTHODONTICS AND CONVENOR OF THE POSTGRADUATE ORTHODONTIC PROGRAM IN THE DENTAL SCHOOL.

This appointment has followed a comprehensive search and selection procedure and we are delighted to make an appointment of someone who is so highly regarded by his orthodontic colleagues, the wider profession and the community.



Congratulations to Professor David Manton on his appointment to the Elsdon Storey Chair of Child Dental Health.



MELBOURNE DENTAL SCHOOL WELCOMES OUR NEW STAFF MEMBERS:

Assoc. Professor *Paul Schneider* – Orthodontics,
Dr Rita Hardiman – Lecturer in Oro-Facial Anatomy,
Dr Kenny Chong – Lecturer in Restorative Dentistry,
Dr James Holden – Research Fellow Immunology CRC,
Dr Luan Ngo – Lecturer in Periodontics, *Dr Samantha Byrne* – Lecturer Oral Biology,
Ms Janet Hamilton – Lecturer in Clinical Communication,
Ms Katrina Laughton – Research Assistant Immunology CRC,
Ms Dhana Gorasia – Research Fellow 1 (Bio21), *Dr Jason Lenzo* – Research Fellow Immunology,
Ms Annette Bird – Student Administrator and Coursework Programs Officer,
Dr Elizabeth Nelson – Research Administrator, *Ms Elly Flitzanis* – Technical Assistant, Oral Health Pre-Clinical Laboratory.

DR PAMELA CRAIG WILL BE HOLDING A PUBLIC LECTURE ON THE DENTITION OF TUTANKHANUM in collaboration with the Museum of Victoria Egyptology exhibition. The lecture is scheduled for Tuesday 11 October, 6.30pm at Theatre A, Elisabeth Murdoch Building, The University of Melbourne. Bookings and further information can be found at www.unimelb.edu.au/public_lectures

IADR COLGATE COMMUNITY-BASED RESEARCH AWARD FOR CARIES PREVENTION

DRS DENISE BAILEY AND MARGARET STACEY

An Australian research project has won a prestigious award from the International Association for Dental Research for dental caries prevention.

Led by Dr Denise Bailey, the pilot study investigates the use of general medical practitioners for providing information on preventing dental caries. The study involved researchers from the Melbourne Dental School and the Oral Health CRC.

Dental caries, known commonly as tooth decay, is a major cause of toothache with symptoms including infection, bad breath, tooth loss and inflammation.

Currently, one in four Australian adults has untreated caries.

The use of some medications for hypertension or depression can affect saliva production, which has the potential to lead to increased risk of dental caries.

The pilot study aims to increase general medical practitioners' understanding of the potential links between medication and dental caries, and improve the advice given to patients.

The study brings together knowledge, support and membership of two practice based research based networks, VicReN and eviDent. Through working closely with practitioners, the study's outcomes will be directly communicated to medical and dental professionals.

Lead researcher Dr Denise Bailey received the award on behalf of the team at the International Association for Dental Research's conference in San Diego.

Student News

DR HARLEEN KUMAR, 3RD YEAR PAEDIATRIC DENTISTRY POSTGRADUATE STUDENT WAS AWARDED AN AUSTRALIAN DENTAL RESEARCH FOUNDATION GRANT

valued at \$4000 and the Dentsply research fund grant of \$2500. This funding was provided for her research project titled, "An investigation into the effect of a resin infiltrant on the micromechanical properties of hypomineralised enamel". The project aims to investigate properties of teeth affected by molar incisor hypomineralisation (MIH) after they have been infiltrated with resin. In addition to this, she was also awarded the ADA graduate student scholarship to visit paediatric dental clinics and hospitals in Perth and observe innovative new technology being used in the field of paediatric dentistry.

DR JUSTIN WONG DCLINDENT (PAEDIATRIC DENTISTRY GRADUATE 2010) WON THE INAUGURAL ANZSPD BROWNILL PRIZE.

The national competition is open to all paediatric dentistry postgraduate students. Justin presented a case study entitled "The Pointed Cusp of Dentistry: Repercussions of War", detailing the case of an Ethiopian teenager who as a result of war likely had a vitamin D deficiency that then led to complex dental treatment needs. The teenager's treatment has been ongoing and has involved multi-disciplinary care including restorative, oral pathology, oral surgery and orthodontics. Justin's case study will be

published in Synopsis (the ANZSPD Newsletter), and his prize includes travel and registration to IAPD in Athens in June to present a poster of the case. Justin is currently in private practice in Perth and holds a part-time consultant position at the local children's hospital, Princess Margaret Hospital.

FORMER DCLINDENT (ORTHODONTICS 2010) STUDENT DR SANJIV RATNESER RECEIVED THE 2010 NATIONAL ELDSON STOREY RESEARCH AWARD FOR the "Most meritorious research" from the Australian Society of Orthodontists for his project, "Effect of different orthodontic cement removal techniques on demineralised and remineralised enamel".

DR ELENA TOH (PHD 2011) HAS BEEN SELECTED TO PRESENT HER RESEARCH AT THE CRCA EARLY CAREER RESEARCHER SHOWCASE CONFERENCE in Brisbane in May in the Science Presentation category. This prize includes airfares, accommodation, conference registration and a media skills training workshop.

Conference :

IADR MELBOURNE 2011

The Melbourne Dental School will be hosting the 51st IADR Australia and New Zealand Division meeting on the 26 – 28th September 2011. Session topics will include:

Dental materials
 Oral health and systemic disease
 Cariology
 New approaches to understanding polymicrobial diseases
 Public health.

The organising committee is pleased to announce Professor Floyd Dewhurst as a keynote speaker. Professor Dewhurst, from the Forsyth Institute and Harvard Dental School, will be presenting two sessions - one keynote address on oral microbiome, and another session on new approaches to understanding polymicrobial disease.

Registrations for the meeting will be open shortly. For more information: www.dent.unimelb.edu.au/dsweb/research/iadr.html



Dr Robert Broadbent and Ms Sheena Mathieson

: The Australian Dental Council & Accreditation :

THE AUSTRALIAN DENTAL COUNCIL (ADC)
is the external authority that has been assigned by the Ministerial Council to undertake the accreditation functions for the Dental Board of Australia (DBA) under the Health Practitioner Regulation National Law 2009. This continues the role that the ADC performed since the mid 1990's for the State and Territory Dental Boards, prior to the introduction of the national registration and accreditation scheme in July 2010.

The ADC is responsible for accrediting dental and oral health programs of study in Australia. This includes programs for general dentists, dental specialists, dental hygienists, dental therapists, oral health therapists and dental prosthodontists. Education providers for these programs are in both the University and vocational education and training (TAFE) sectors. At the ADC we:

- :: Develop and review accreditation standards for dental specialists, dentists, dental hygienists, dental therapists, oral health therapists and dental prosthodontists
- :: Assess new and existing programs of study for accreditation
- :: Monitor accredited programs of study & reports changes to the DBA
- :: Consider new programs of study in relation to the accreditation process
- :: Assess accrediting authorities in other countries for recognition of their accreditation decisions.

The DBA role is distinct from that of the ADC.

The Board approves accreditation standards developed by the ADC, approves programs of study that are accredited by the ADC, acts on reported changes in accreditation status, refers proposals for new programs of study to the ADC for accreditation, and approves overseas qualifications from ADC-recognised 'competent authorities'.

The years since 2004 have seen a marked increase in the ADC's accreditation activities. Since then we have seen the opening of four new Dental Schools and major increases in the number of dentistry and oral health education programs in Australia. In 2009 Charles Sturt University, James Cook University and La Trobe University (Bendigo campus) continued the process

of establishing new programs, with their first intake of students in dentistry and oral health due to graduate between 2011 and 2013. This has impacted very much on accreditation activities and the role of the ADC and its Secretariat. The ADC relies significantly on the profession to assist in its activities, both at a committee and assessing level. Accreditation Review Teams comprise 3-5 members ('Assessors') including:

- :: An experienced clinician in the relevant discipline with standing in the profession
- :: A senior academic with strong understanding of modern educational principles and practice
- :: A person experienced in accreditation processes either from within the profession or from another profession
- :: A person with experience in assessment and education.

A joint ADC/DCNZ Accreditation Committee advises the ADC on accreditation matters, including criteria for the accreditation of educational programs leading to registration as a dentist, dental specialist, dental hygienist, dental therapist or oral health therapist, and to assess programs using these criteria. The Accreditation Committee is currently chaired by Professor Mike Morgan, from the Melbourne Dental School.

The ADC Office is located in Melbourne and welcomes enquiries in relation to accreditation processes and activities:

Sheena Mathieson,
Accreditation Officer
Gd Flr, 120 Jolimont Rd,
East Melbourne Vic 3002
T: +61(0)3 9657 1777
F: +61(0)3 9657 1766
E: accred@adc.org.au
www.adc.org.au

RELEVANT LINKS:

Accredited programs of study:

www.adc.org.au/Accredited%20Australian%20Programs.pdf

Approved programs of study:

www.dentalboard.gov.au/Accreditation.aspx

Accreditation standards:

www.adc.org.au/adcmajoractivities.html

In the next issue of Dent-Al, read more about the ADC and its role in relation to its assessment of overseas dental qualifications.

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You have a University of Melbourne

Reunion this year!

Check the online calendar for details of your event

Save the date
unimelb.edu.au/alumni/reunions

**SAVE THE DATE:
Dentistry Reunion**

AN ALL YEARS REUNION FOR DENTISTRY will be held on Saturday 15th October at University House. Places will be limited. Further details will be sent in due course.

For many of us, university was more than a stepping stone to a career: it was a place and time which allowed us to indulge our curiosity and open our minds.

Your reunion is a chance to reconnect with friends you've lost contact with along the way, revisit your old haunts on campus, and get an up-close look at how the University has changed since you left.

The Faculty of Medicine, Dentistry and Health Sciences invites all Dentistry alumni to a reunion.

To give you time to organise your diary, please save the date. Help your former classmates reconnect by passing this information on to other alumni. Formal invitations will be sent closer to the event.

For more details about your event, contact Jenny Sifionios: sifionios@unimelb.edu.au or 03 9341 1544. Open to Alumni and their guests only. Cost: to be confirmed.

We look forward to welcoming you back during 2011. Tell a friend – help us find lost alumni at unimelb.edu.au/alumni/findclassmates

For more information about University of Melbourne Reunions, visit www.unimelb.edu.au/alumni/reunions/ 

IN CONVERSATION :

John Brownbill

Neville Regan

JOHN BROWNBILL TALKS TO NEVILLE REGAN ABOUT JOSEPH WILLIAM BROWNBILL

J NEVILLE REGAN (NR): It was 1955 that we met in first year of the dental course.

JOHN BROWNBILL (JB): Yes, we did our studies at the old, old dental school at Spring Street.

NR: The building is no longer there and the new old dental school at the Haymarket site has recently been demolished. I remember that some of us came up to Mildura to visit your family around 1958.



Mr Joseph William Brownbill, 1944.
Indenture release, Joseph William Brownbill, 1904.(right)

JB: My father was quite ill at the time and passed away the next year. He was a dentist in Mildura from 1911 to 1945. At 57 he was quite old when I was born. He had left school at 13, did some mining and farm jobs around the central goldfields and decided to do home studies, including Latin, and matriculated without further attending school. In those days one could become a dentist by apprenticeship. In 1904 he completed his apprenticeship and began working as a dentist, eventually being registered in 1927.

NR: When we visited, your father told us that he used to visit the outback mallee townships to do extractions and make dentures. I have his denture making philosophy on a hand written memo notepad.

JB: After the first World War, a branch railway line from Ouyen went to Werrimull where soldier settlers tried valiantly to raise wheat. It was hard and unrewarding work. My father used to take the train to Ouyen, then ride in the guard's van to each of the hamlets along the way. Extractions were mostly done in the open air with the patient sitting on a packing case. He used cocaine as local and boiling water for sterilization. He made the trip every two months. At each visit, if the gums were ready, he would choose the teeth, take compound impressions and wax bites. There was no luxury of a try-in. The finished vulcanite dentures with porcelain teeth were posted out to the patient.

NR: I have one of Joseph W Brownbill's denture boxes and his brass plate thanks to you.

JB: Later, when a road went to Werrimull, my father avoided the dusty drive from Mildura by taking the train to and from Ouyen where he kept a car to do the rounds.

NR: Being the son of a dentist, what legacy did your father give you in the way of encouragement and advice?



JB: There were three things. He told me to always be gentle.

NR: It is certainly easier to be gentle and things get done better and more quickly.

JB: He urged me to learn to be ambidextrous. Being able to use either hand makes many jobs simpler.

NR: And gentler too!

JB: Lastly, he urged me to become an expert at extractions. I did my share of extractions; but, lately I am glad to say that I am a champion of Preventive Dentistry.

NR: You and your father were dentists for almost all of the twentieth century.

JB: And then some! ▶

Clinical Associate Professor John W Brownbill teaches Paediatric Dentistry at the Melbourne Dental School.

Dr Neville Regan is a private practitioner.

DENT ALUMNI NEWSLETTER

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