in an adult population in Victoria, Australia. *Ophthalmic Epidemiol* 2000;**7**:249–58.

Ocular and financial health

We read with interest the article by Khandekar *et al* detailing the results of the 1996–7 Omani Eye Study.[1] They found a prevalence of blindness of 16.8% in those 60+ years of age, and comment that the population of this age group in Oman is predicted to double by the year 2020. This has serious implications for planning the provision of health care and specifically for eye care services.

This observation is true for most countries; the global population for the over 65 age group is projected to increase from approximately 400 million to 800 million people by the year 2020, contrasting with the under 5 years of age population, which is estimated to see a 6% growth in the same period.[2]

"Vision 2020—the right to sight" was launched by the WHO and IAPB in 1999, aiming for the elimination of avoidable blindness by the year 2020. In 1995 the estimate of global blindness (<3/60 better eye) was 44 million, and this is projected to rise to 76 million by 2020 if there is no change in current trends.[3] Vision 2020 prioritises five diseases for global attention—cataract, refractive errors, trachoma, onchocerciasis, and vitamin A deficiency. Action against diabetic retinopathy and glaucoma is also deemed important in countries where ocular infections have been controlled. Vision 2020 contends that the current increase in blindness, estimated at 1–2 million people per year, can be reversed if human and financial resources are targeted at these priority diseases in the countries with the highest prevalence and number of blind people. It is estimated that the result of a successful programme, achievable at a cost of $2 billion, will be 429 million blind person years avoided over the next 20 years, and a total saving in excess of $100 billion, by avoidance of lost productivity.[3] This would make the effective implementation Vision 2020 not only ethically important but also a cost effective strategy for poverty alleviation.

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1 **Khandekar R**, Mohammed AJ, Negrel AD, *et al*. The prevalence and causes of blindness in the Sultanate of Oman: the Oman Eye Study (OES). *Br J Ophthalmol* 2002;**86**:957–62.
2 **www**.census.gov/ipc/prod/wp98/wp98.pdf
3 **Frick KD**, Foster A. The magnitude and cost of global blindness: an increasing problem that can be alleviated. *Am J Ophthalmol* (in press).

BOOK REVIEWS

Ocular Pathology, 5th ed.

Myron Yanoff, Ben S Fine. Pp 700; 180. St Louis: Mosby, 2002. ISBN 0323014038.

The fifth edition of this well established ocular pathology text is excellent. The presentation, the photographs, the histopathology, and micrograph sections provide the reader with an array of outstanding examples of ocular pathology. The text is easy to read, agreeably not always in depth, but gives enough information or direction in references for further reading. This is being hypercritical of an enjoyable text and there is no more to say except that every unit and library should update their edition.

A Dick

The History of Strabismology: Hirschberg History of Ophthalmology: The Monographs.

von Noorden GK, ed. US$145. Belgium: Wayenborgh, 2002.

For those who specialise in the treatment of ocular motility disorders, it seems at times as though time has stood still. Compared with the technical and surgical innovations that have characterised the modern history of the treatment of cornea and retinal diseases, strabismologists have continued to use techniques and instruments devised in the mid-19th century. However, after reading von Noorden's *The History of Strabismology*, it becomes clear that the history of our specialty has been characterised by physicians and scientists possessing remarkable creativity and intellect striving to understand how the eyes move and the brain sees.

The History of Strabismology is the ninth volume of *The History of Ophthalmology*, a planned 21 volume series of monographs intending to comprehensively review the history of ophthalmology from ancient times to the current day. The author has chosen to review the history of strabismology not with a traditional "art through the ages" chronological approach, but rather from a geocentric approach. By enlisting prominent strabismologists from around the world as contributing authors, von Noorden allows the reader to discover how the discipline and practice of strabismology developed and evolved not just in Europe and the United States, but in countries and regions such as Mexico, Japan, South America, and Australia. In thoroughly researched and referenced chapters, the authors describe, time and again, how an ophthalmologist visiting Europe learns a technique, returns to his or her country, refines the technique and applies it to the patient population unique to his or her country. We learn of scoundrels and rogues who foist themselves on the public as miracle workers, only to be publicly exposed and discredited by ethical ophthalmologists of the day (lessons we could stand to relearn now again in the 21st century). We learn that aesthetic ideals are relative to time and place; such as the fact that in pre-Columbian times a slight degree of esotropia was found to be attractive and convergence was stimulated in infants by attaching a ball of beeswax to the child's hair to be left dangling between the eyes (vision therapy at its birth).

An often neglected but historically important discipline within the field of strabismus is the practice of orthoptics. In a carefully researched and beautifully illustrated chapter, section author Roper-Hall outlines the origins of the specialty and introduces us to the pioneering women and men who selflessly served, taught, and discovered in the clinics of the more famous titans of strabismology. Throughout the book, von Noorden takes pains to illuminate the lives and contributions of both major and minor players in the history of strabismus. The reader cannot help but see how the advancement of science in a discipline is dependent upon the close collaboration that takes place between mentor and student, doctor and patient, and clinician and scientist.

As with all the monographs in this series, the volume contains extensive illustrations, photographs and reproductions. Portraits and photographs of innovators in the field of strabismology flesh out the names we associate with instruments and techniques. Each section author provides numerous references of seminal papers on strabismus published from the corners of the globe. It is refreshing to see a book on history recognise the contributions from those outside the traditional medical centres of Europe/United Kingdom and the United States.

This book will be a valuable reference for all those who specialise in the area of strabismus and those interested in the history of ophthalmology. The illustrations and historical references will greatly enhance the quality of lectures on the topic of strabismus. Knowledge of the origins of critical thought and technical innovation concerning the aetiology and treatment of strabismus will stimulate further interest in today's students of ophthalmology. Finally, the knowledge that the pioneers of ophthalmology—von Graefe, Muller, Donders, and Helmholtz—placed the study and treatment of strabismus at an equal level of importance as the treatment of diseases of the lens, cornea, and retina serves notice to contemporary vision scientists and ophthalmologists not to neglect this most challenging discipline of ophthalmology—strabismus.

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NOTICES

Role of optometry in Vision 2000

The latest issue of *Community Eye Health* (No 43) discusses the mobilisation of optometry to deal with uncorrected refractive error, which is now a major cause of functional blindness. For further information please contact: Journal of Community Eye Health, International Centre for Eye Health, Institute of Ophthalmology, 11–43 Bath Street, London EC1V 9EL, UK (tel: +44 (0)20 7608 6910; fax: +44 (0)20 7250 3207; email: eyeresource@ucl.ac.uk; web site: www.jceh.co.uk). Annual subscription (4 issues) UK£25/US$40. Free to workers in developing countries.

International Centre for Eye Health

The International Centre for Eye Health has published a new edition of the *Standard List of Medicines, Equipment, Instruments and Optical Supplies* (2001) for eye care services in developing countries. It is compiled by the Task Force of the International Agency for the Prevention of Blindness. Further details: Sue Stevens, International Centre for Eye Health, 11–43 Bath Street, London EC1V 9EL, UK (tel: +44 (0)20 7608 6910; email: eyeresource@ucl.ac.uk).

Second Sight

Second Sight, a UK based charity whose aims are to eliminate the backlog of cataract blind in India by the year 2020 and to establish