Adventiser (could) 19.9.22

dian, and portion of the Southern Oceans, a partial oclipse will be visible, varying from an instantaneous grazing eclipse to total as one approaches the central line.

Throughout the whole of South Australia the partial eclipse will be visible, lasting just over two hours, and in the extreme far north in a sector running diazonally between Alice Springs and Charlotte Waters to Cordillo Downs, the total phase will be visible for about four minutes at mid-eclipse. In the South-East the amount of obscuration of the sun's disc will be about seven-tenths, and this will increase as one approaches the total zone. With respect to the commencement of eclipse (2.29 p.m.), places on the far West Coast will experience this about 15 minutes be-



Dr. R. K. Young. Dominion Coservatory, British Columbia.

fore Adelaide, and the Eastern and South-Eastern districts from 3 to 5 minutes after Adelaide. The end of the eclipse will take place about 6 minutes before Adelaide on West Coast, and at about the same time as Adelaide in the cast and south-east.

## ASTRONOMERS BUSY.

Perth, September 18. Professor Ross reports: - On Saturday afternoon rehearsals of the eclipse programme were commenced with thirteen cameras. They were undertaken at that early date as the actual eclipse work with these cameras begins to-morrow night. In order that the scale of eclipse photographs may be determined, it is necessary to have on the photographic plate the picture of a group of stars taken during the night. This will be done on Tuesday evening if the sky is clear, ownerwise on Wednesday: The rehearsals with other instruments commenced this morning, and in the afternoon the first full rehearsals were held with all the instruments working simultaneously for eclipse observations.

The personnel of the Lick expedition will be augmented by the addition of six naval men, who will assist with changing the photographic plates, the calling of the time, &c.

Dr. Campbell was delighted to receive on Saturday evening the following telegram from the Prime Minister (Mr. Hughes) .- "Best wishes for a fine day and successful observations."

Interviewed this morning Dr. Campbell stated that the preparations for eclipse day were practically complete. Despite the difficulties of transport to Wallal, everything had been landed and erected without a single breakage, and on no previous occasion had be looked forward to eclipse day with such freedom from auxiety about the weather. The Wallal weather had conformed to the excellent reports of those who had recommended that observing site. Clouds had been almost entirely absent throughout the past three weeks. A sea fog, which appeared at mightfall after days of prolonged sea breezes, migot cause a little difficulty in securing an evening exposure for "Einstein" investigations, but he did not regard the difficulty as serious,

Dr. Trumpler, of the Lick Observatory, who took comparison photographs in Tahiti last June, expressed himself greatly pleased with the observing conditions at Wallal. The visibility and steadiness of the air were at least as good as at Tahiti, where his plates recorded stars fainter

than anticipated. Professor Chant, of the Toronto University, also gave the opinion that Wallal appeared to be all that could be desired for eclipse work from astronomical and meteorological standpoints.

adles' College:

# IFORNIAN SCIENTIST

Dr. Florence Hill

## STUDENT LIFE IN AMERICA

rence Hill, who is a graduate of the Um- be in Australia for only a short period beversit of California, and has had a dis- fore proceeding to China and Japan. tinguished career in laboratory work. She has come to Adelaide to engage in bio- WOMEN GRADUATES. chemical research work with Professor To graduate in the United States," said two years.

of Europe. She received an appointment to the Welcome Laboratory for research in tropical diseases for 1916, a coveted position for which appointments are made five years ahead, but as the laboratory was closed on account of the war in that particular year she devoted her energies to research work in America.

## WOMEN OF AMERICA.

American women who come to Australia are always regarded with curiosity, just as, no doubt, an Australian is in America; yet women are the same the world over. It is in the expression of their femininity-or want of it-that nationality is apparent. The voice is strange, the customs are slightly different, and the point of view is not quite the same, but sooner or later a link is established that bridges all differences. Such is the case with Dr. Florence Hill.

She received a representative of the "Mail" this week with true Southern courtesy. There is nothing of the scientist in her appearance. To meet her she is just a woman with a delightful sense of humour soft of voice and quiet in manner. She is accompanied by her two daughters, one of whom is an undergraduate of the University of California, and will pursue her studies at the Adelaide University, and one son, a boy of fourteen. Dr. Agnes Walker, a well-known

There arrived in Adelaide last Saturday Californian bacteriologist, has also travelan American medical woman, Dr. Flo- led with Dr. Hill from America, but will

Brailsford Robertson at the Adelaide Uni- Dr. Florence Hill, "girls go up through versity, and intends to remain here for grades at the primary school, grammar school, high school, and then on to the Born in California, she obtained medical University. A certain percentage of degrees in America, subsequently pursuing marks at the final examination of the high her researches in Germany and other parts school gives entree to the University, but otherwise a standard examination must be passed. There are private schools also where a girl may pass through all grades to the University. In the eastern States the universities supported by endowments, such as Harvard, Princeton, and Yale, have THE MEDICAL PROFESSION. the greatest prestige, but in the West the State universities rank highest.

I graduated, there are 30,000 students. For profession after marriage. In fact, I do the first two years the Southern Califor- not know of one medical graduate who nian students do not attend at the campus is not now in practice. The majority are -the university proper-but at a branch general practitioners, but their patients in south California, about 400 miles away, are chiefly women and children. I don't During these two years there are always think they do as well as men. No! I am a number of students combed out, and sure they don't. the remainder continue their studies at the "One of the great obstacles to medicine

employers prefer men without University lies and the Jews. degrees. The boy who goes straight to "Before the war an effort was made by

whereas the average graduate expects to go straight to the head office. It is this feeling that is, no doubt, making for greater utility in the Universities of the United States.

"In California nowadays we have education but no culture, and though the graduates may be better fitted to make their way afterwards, there is an absence of culture that I do not like. The University of California is governed by the students on the honour system. There is no supervision in regard to their private lives or their studies. They live as they please. The students have every chance of learning life during their course-oh, dear! yes. Too much so.

"It takes four years to graduate, and then from three to four years to obtain a medical, legal, or scientific degree. I was at the University for seven years, but now it takes up to eight or nine years to obtain a medical degree.

### THE GROWING GIRL.

"Yes! In the United States great care is taken of the health of the growing girl. For instance, at the schools and colleges every girl must pass a physical test before indulging in any of the athletic sports or games, and she is subject to examination at any time during her training. Those who are unfit for games are put under corrective physical exercise, while those who are unable to take any physical exercise at all are prohibited from studying or playing beyond so many hours

"The majority of medical and profes-"At the University of California, where sional women continue to practise their

in the United States at present is Chris-"Until a few years ago the university tian Science-and as it is a religion it is was practically free, but owing to the all the harder to combat. There are regular large number of students and the enor- Christian Science practitioners who cu mous expenditure it was found necessary people by absent treatment. When they to charge a fee, and it is now about 100 find their patients are about to die they dollars a term for an outsider and 25 dollars call in a regular medical man or woman for a native of the State. In California and obtain their death certificate. Some all classes pass through the University. of the heads of the Government are among To obtain a position in any intellectual their followers, and they are very well calling a woman must have a degree in the organised. The trouble is we are not orga-United States-not so a man. At the em- nised sufficiently. The only other sects ployment bureaus I have been told that properly organised are the Roman Catho-

business from school has more practical the medical profession to show the numknowledge and is content to work up, ber of deaths resulting from Christian Science, but the war upset all that, and they have never organised properly since. The Christian Science religion has made tremendous strides in the United States in the last few years, and they are now building magnificent churches. The oldestablished churches seemed to lose their hold during the war."

Dr. Hill believes in a woman always remaining womanly, whatever her profession may be, and she is astonished at the number of women who profess to be intellectual, attend lectures on all subjects, go into erstasies over new raigions, new philosophies, and odds and ends of ideas which are utterly futile when sifted and analysed. She is essentially feminine herself, but has gathered knowledge from the four corners of the earth with the excellent judgment of a scientific mind.



## Advertiser 20. 9. 22.

### WITHDRAWAL OF HIGH SCHOOL REGULATIONS.

Almost immediately after the Legislative Council met on Tuesday the Chief Secretary role and said, "I desire to inform the Council, through you, Mr. President, that the Government are withdrawing the education regulations." These are the regulations governing the future establish; The Government ment of high schools. supported that in future any community which desired such an institution must provide £1,000 and five acres of and. The regulations met with strong opposition. both inside and outside Parliament, and recently, at the instance of the Hon, W G. Duncan, a motion was carried in the Legis'ative Conneil that the regulations be disallowed.