An Essay on Venereal Diseases in the British and Indian Armies - their prevalence and prevention

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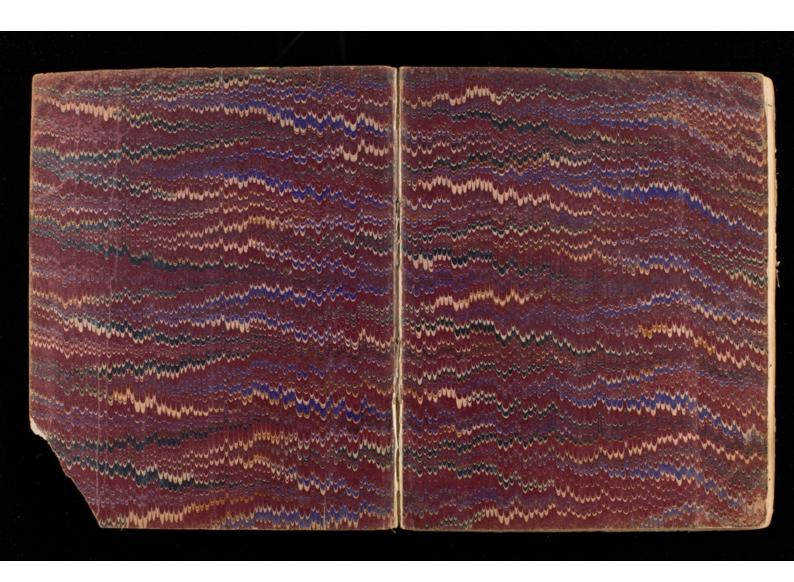
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An Essay on

Venereal Diseases in the British and Indian Armies —
Their Prevalence and Prevention."

Quis quid peccat, in eo punitur.

VENEREAL DISEASES IN THE BRITISH AND INDIAN ARMIES — their Prevalence and Prevention.

Introduction. - In 1791, Robert Jackson, an eminent British army Surgeon wrote the following words: - The preservation of the health of the soldier is indispensable to the preservation of the conquests which fortune or courage achieves. If genius conquer, prudence preserves. The health of the army ought, therefore, to be a primary consideration of the State. I since Jackson's time the general health of the soldier has greatly improved, and this the improvement has been chiefly due to the attention paid by the authorities to the hygienic condition of his

the health of the army, and especially in attention to the prevention of disease, certainly compares faroundly with that of the best organized troops of any other country in Europe.

We are obliged however to confess that the fighting power of our forces is very considerably imparied by the great prevalence of veneral diseases amongst both officers and men; and this prevalence is, in many places, increasing. This great prevalence of Veneral cheeses in the British army, and the resultant loss of efficiency, have for many years been subjected as a discussion in military and metrical circles, and At the present time, when

the nation has been called upon to made great sacrifices in order to increase its powers of defence and offence at home and abroad, all matters which adversely affect the efficiency of our army and navy have become matter of vital importance and interest. We therefore feel justified in saying that one of the most practical ways of increasing the fighting strength of our forces would be to take steps to protect our soldiers from the ranges of veneral disease; and the necessity for enquiry and consideration of the subject with which this paper deals becomes evident.

Plan of this In the following pages I propose first to consider the prevalence of nenereal diseases 1., in our army at Home, 2. in our army in India, 3., in our army in the Colonies; and the factors which appear to influence That prevalence In the second part of this paper I propose to discuss the question of the prevention of henered disines in our army and to make suggestions as to the presentine measures to be taken which my studies and my own experience lead me to think most practical and practicable. In order to do this

properly, it will, I think, he admitted that

a preliminary enquiry is necessary in order to

learn the lessons to be derived from a study of the history and natural history of the renereal dicesses so that we may apoply these lessons to the matter we have in view - the presention of these diseases.

The Prevalence of Venereal Diseases in the British army.

The army at Home . -

Prevalence of Venereal at Home, prior

We are very ignorant of the actual amount of renered disease in our army at different times prin to 1860; when the army medical Department Reports frist began to be essued. We know that returns existed prior to 1860. They were first put upon a proper facio by om frist Director General

In William me Enga, but these returns are, as far as I know, inaccessable to us. In a few of the medical works written by army medical Officers at the end of the 18th and beginning of the 19th Centuries we get a little information on the subject, but it is very little. Thus, from the works of monro, Jackson, Fergusson, Cuthrie, Hennen, Lux combe, and others we gather that nonereal diseases were very prevalent in om army but we get very little light as to the actual extent of this prevalence. It is possible that the old returns would now be of little value owing to want of detail. Jackson sies the following as the form of hospital return used in 1802 at the Defort Hospitals, in the Isle of Wight.

vente.	Chrome	Wounds and Ulcero.	Veneral.	Purmoher !	Comalesco
				-	
	and the		-	Luk I	

Admitted some last return

Dismissed since last return

Jackson in his book tones a more extended return, which shows that between 1st much 1801, and 30th april, 1802, inclinese, there were about 4,500 patients in the Deport Hospitalo, Isle of Weight. Of these, 257 were Inffering from 'Ines Venerea' (of whom 2 died), and 151 were Inffering from Gonorshae. This is, according to our modern edeas, a small proportion of renereal disease. Jackson homewer returns many patients under the headings of 'headache', opthalmia', 'ulcers', Sore legs', 'yars', ee, which probably michael syphilisis the Creatitution of the Merica Department of the British army on India.

cases. Insect in all old books on army medicine be are greatly struck by the number of men treated for alcers. It is concernable that many of these were of syphilitic origin.

Luscombe in his book on "the Health of Soldwirs" (Lonit. 1820) - gives a few figures which show the amount of veneral disease in the 34th Regiment, of which he was durgeon. From May 1805 to august, 1808, during which beriot the regiment was for a few weeks on active service and the remainder of the time at Home, there were 248 admissions for Veneral.

Whilst on active service in the Peninsula, in 1811, there were only 31 admissions for veneral diseases. In the following year, at

Duthin, there were 221 admissions.

If we take the strength of the battalion as height 1000 men (which is probably excessive), we get admission ratios for reneral diseases of 76.32 per 1000, per annum, at home prior to 1808, and 221 per 1000 at home in 1812, whilet on active service in the Permisula the ratio was only about 31 per 1000.

Hennen, in his Melitary Gurgery, (2001/1819)
quotes a medical report on the British army
by J. Mr. Grigin and W. Franklin, from which
we gather that, between December 1816, and
December 1818, 4,767 patients were treated for
primary renereal sores (of all kinds), and
that 147 of these afternoons had secondary

Syphilitic symptoms. If we compare

the arminisms for primary veneral stress in

the army in 1816 to 1818, two years, with

those for 1897 and 1898 in the army at

there were 8,398 arminisms from this cause

whilst in the early period there were only

4,767. The strength of the army at Home

was, in 1897, 1898, over 96,000 men, in

1816 to 1818 about the same number.

It is obvious that no connected idea of the extent of prevalence of venereal disease in the army in former days can be gathered from these sources. The writer Resepte restricts homiself to the figures grien by the annual army medical Department Reports

from 1860 to date. He has formerer hear unable to get access to all these reports; about a dozen, for years private to 1888, are mining at this station. He has however heen able to get the figures also from books and from numerous Parliamentary Returns.

Prevalence of Venereal Disease in Home ARMY Since 1860. On these figures I have based a series of charts in order to show more graphrially than would be done by mere columns of figures the rise and fall in prevalence of benereal ducines from year to year. Before considering these clarks, and the figures on which they are based, the following points should be moted.—

From 1859 to 1868, benereal ducines were classed together in the returns as enthetic diseases.

From 1869 to 1878, mon-syphilities, veneral diseases were included under the

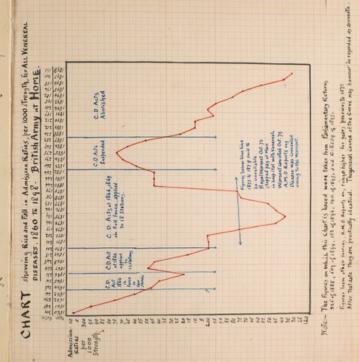
kesting of discovers of the urinary track and therefore The figmes for this period are, roughly speaking, about 1 per cent (10 per 1900) greater than they should be. From 1879 to 1885 non-syphilitic diseases were classed under the heading gonovchoea and it sequela. From 1886 to date benereal chaciases have been grouped under the headings, - Priming Syphilis, Secondary Syphilis, Soft Chance, Priming Venereil Sores (that is, Primary Syphilis and soft chance combined in one swap), and bonowhere.

CHART I.

The first Chart (merted I) show the rise and full in the admission ratios per 1000 shingth, in the Home army, for all menereal diseases taken together, since 1860.

Total Venercal.

This chart shows that from 1860 to 1875, inclusive, there was a steady fall in the prevalence of all renerest discusses taken together, whilst from 1876 to 1885



love strength, in each class of renereal lisine, so well as in the total venereal retires.

Total Venereal.

CHART I.

in the prevalence of all veneral diseases taken together, whilst from 1876 to 1885

There was a continuous rise in prevalence, and from 1885 to 1898 there has been a steady fall, until it has now reached the bowest point known. With regard to syphilis there was a gradual diminition in the almission from 1860 to 1876. From 1876 to 1885 Privacy Syphilis admissions microased and since then have steadily fallen. Secondary Syphilis admissions rose in the person 1876 to 1885, but continued rising until 1876 to 1885, but continued rising until 1890, since which date there has also been a constant and steady fall. The variation in rise and fall in the curve of admission ratios for decordary Syphilis had only ranged between 1876.

HARTII.

The second chart (merked II) shows that there has been a steady and constant fall in the admission ratios, per 1000 strength, in each class of renercal disease, as well as in the total renercal returns.

Factors which may have influenced Prevalence

a. The Terms of Military Service and Age of the Soldier

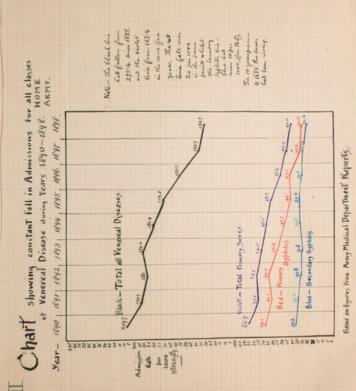
Chart II explains itself. In both charts I have also given the figures on which they were based:

Let us now consider the factors,

if any, which have influenced, or may have influenced, the prevalence of veneral disease in our Home army since 1860.

From 1847 to 1867, the Long Service act of 1849 was in force. In accordance with this act, the soldier entited for a period of 10 years, which might be extended to 21 years. In 1867, another act came into force by which the soldier finit enlisted for 12 years with the colours, and reengages for a further period of 9 years to quelify for pension. In 1870 the short service system was introduced by Lord Cardwell. This is still in force.

By it the soldier entits for a period of 7 years with the colours, and 5 years in the



+ A. Cozanave. Traité des Syphilides

reserve. Under this system also , battalion Chart II have been linked together so that a have also g fattalion serving abroad is kept up to here fased. by drafts of men from its link Factors which may have It is evident that if any, who battalin at home. influenced our army prior to 1870 must have Prevalence influenced, contained a large proportion of old soldiers in om Hon and that the introduction of the Short The Terms of Service System brought into the army a Military Service Long Service new element - a more youthful soldier than Age of the Soldier accordence the service had hitherto seen. This mirene for a period in the number of young men in the army extended to must have had an effect on the previous act come of renereal disease in the army. Cazenasey enlisted for has shown that 49.14 her cent of acquired reengaged for Syphilis is acquired between the ages of to qualify 20 and 30, in the general population, Short Servi and only 27.1 per cent in the next decade. Low Carda It follows therefore that the greater the By it the number of persons in a community below 7 years wit

30 years of age the greater the prevalence of syphilis in that community will be. In the army a very large proportion of mer. come within these ages. Thus in 1898, out of 10,000 recruits 7,975 were under 21 years of age, 7,632 being between the ages of 18 and 21 and these 7,632 will complete their y years with the colours between the ages of 25 and 28. It follows therefore that the Short Servie System has so reduced the age of the soldier that we may assume That about 76 per cent are below the age of 28. In India, where our army is comprosed of longer services soldiers than at home, in 1898, 54 per cent were below the age of 25 years and 81 per cent hat less Than 5 years service in the country. The perpettions in the army at Home are brobably larger. The age of the solving Lecky says " Senandily is the crime of young mon and all nations,"

may, therefore, I think, be considered a factor which predisposes to an increased prevalence of veneral disease in our army, and, this increased youthfulness of our solviers is a result of the Short Service System This System was introduced in 1870, and its full effects were not felt at home until some years later, probably not under 5 or 6 years. after 1875 prevalence of nenercal discuss at home Legan to rise in amount and continued rising until 1885, since while date it has steadily fallen and get the full influence of the stort service system must have been at work after 1885 asit was for a for years before. To explain the fall in veneral prevalence after 1883 therefore we must look elsewhere it cannot be due to the youth of the soldier

l. Increase or decrease in Chastify, or Increased or dimmished exposure to Temptation?

Is this full in nonerest prevalence since 1885 due to an increased chastity amongst the soldiery or can it be explained by a decrease in the amount of temptation? I few that it would he very hand to prove the former; and a walk down Peccabilly at night (or the streets of most of our large towns), together with a study of our police courts and their work, disproves The latter. Public solicitation by prostitutes in our streets has certainly increases of late years and interference with 'the ladies of the Form' by om police has also been a diminishing factor since the celebrated Case case some years ago. Lecky truly sage "Chartity, in England at least, is scarcely a rudinentary virtue amongst men," and again, "In large brosis of men an microse of temptation always brings with it an increase, although not successfully a proportionate mireose, of vice." The decreasing prevalence of veneral + "Thistory of European morals", by W. E. H. Lecky, Low. 1869. vol.

choises in our Home army is not Therefore due to either of these causes.

C. Relation between amount of Veneral in Army and amount in Civil Population.

It is very probable that the decrease in bevalence of veneral disease in our army corresponds to a decreased prevalence amongst the civil community. It is very difficult however to extimate the amount of venereal disease prevalent in the civil propulation; most foreign writers, Lamereaux and others regard the prevalence of renevel disease in the army of a country as the best index of the amount of renered disease in that country. This may be time of those countries where conscription is the law but, when a country has a voluntary army, such as ours, the contention is obviously fullacions. We have however two ways of estimating The amount of renereal disease in the country and these are the returns of recruiting and the Registran General's returns of mortality

Roughly speaking, our army requires 50,000 or more recruits annually. Of those examined in 1878, 15.1 per thousands were rejected for renereal disease, whilst in 1898 only 3.85 per thousand were rejected on this account; a diminution amounting to over 11 per thousand in 20 years. The Registra General's Report, published in 1899, tello us that , whereas in the ten years, 1878-1889, on an average 82.4 persons per million died of syphilis; in the ten years, 1888-1897 an average of 67.5 persons per million died from that disease . = It would therefore appear that renered chiese is on the decrease amongst the classes from which we recruit our army and also amongst the general population. #

d. Effects of an on the Soldier, the the Country.

as long ago as 1820, Edward Lescombe, Improved Education, M. D., Serom Surgern to The 34th Regiment of Fort, prositive, and on published a book on the meens of preserving the health of Solviers. In this work he mosists that an improvement in the morals of the soldier # Syphilis in the limited Kingdom at the present moment is in the stage of an apidemac in for dealine - Engaging the Oritania gitterature.

I The Registran Severation frigmes may also be read to indicate a diminished provide a diminished vivilence of specialis not necessarily a diminished provide a

"can only be effected by improvement in their education. It is interesting to mote that Col. J. Lane notter, late Professor of Hygine at nestley, in a paper, read before the 13th International Congress of medicine this year, on the subject of The Prophylaxies of Syphilis in ami, considers that the decline in prevalence of since 1885. benered diseases in our Home army is one of the results of the Education act of 1873. I cannot do better than quote his own words, as reported in Lancet. "In 1873 the Education acts were adopted and it is significant that 12 years after His adoption the fall really began The increase of 8 duration affect book the I soldier and the prostitute. In the case of the " soldier he has greater liking for intelligent " amusement and greater self-restraint. The prostituted on account of their education · become of a higher order and therefore are more likely to endeavour to keep themselves in good health, or to endearour to get cured of remereal diseases which they contract in the

pursuit of their calling?" With increasing education and a higher social and moral standing in the army there is every prospect that the decline will continue." = It may also be argued that the spread of education has also been associated with a spread of the doctronics of malthus. The falling beith rate in England is on intection of the truth of this. Hence a more witespread use of malthusian appliances," which, while preventing conception, do, to some extent, lessen the risks of nenereal infection. This may be one of the intridiary canses of The declining prevalence of nenercal discues. in the country. I think we may therefore accept

I may note on passant that m. W. E. H. Lecky, in his "History of European morals", says with regard to the effects of Education that it raises many food women to a stage of refinement that makes them suitable companions for men of a higher rank and not mitable for those of their own, The would is that make women after do not many into their own rank has been the mutiesses of men of a higher ample them

Col. notters opinion that the effect of the

Education acts of 1873, the results of which lets

Came into operation about 12 years later, coincide with, and perhaps also led to, the decline in the prevalence of renereal chiscoses in the army at Home since 1885. and we may also, I think, consider this declining prevalence to be coincident with a generally declining prevalence of veneral deseases in the whole Country.

e. The Contagious Diseases Acts.

I now come to a factor which is considered by many competent authorities to have led to a decrease in the prevalence of veneral diseases in the army, whilst on the other hand many other observers, equally carnest, competent, and conscientions, consider it to have had either no effect or an opposite effect I refer to the Contagions Diseases acts. after reading a very large number of pamphlets, and books, and articles, written both by those in farour of these act and those opposed to them, all of whom appear to be very much in earnest on the question, I must confeas to Some confusion of mind. Each opposing side References - Articles in Linear & British Madrie Jonnal, House of a debrie in References - Articles in Linear & Britished Manie Books, No. 8. J. Wilson M. S. Jamplished Manie Souther No. 8. J. Wilson M. S. Jamplished Manie Books, No. 8. J. Wilson Mayori Jamplished Manie Jaminet Mayor Mayori James James Standard Mayor Mayori James James James Marie Mayor Mayori James Jam

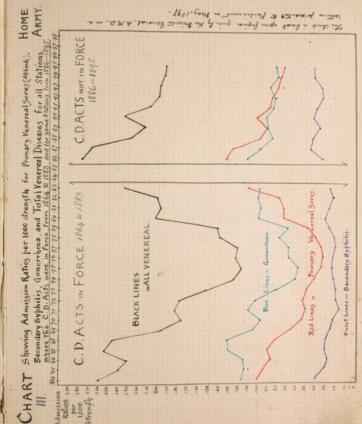
attempts to draw opposite conclusions from statistics drawn from the same sources, and where for a period the statistics obviously do not support their contentions we have homomette men stating that they know these statistics are incoveret, whilst others say that Commissions and Sanitary Boards have purposely been composes of members with a known bias in opinion on the subject, that officials have been misluences by the opinions of their superious, and so on. Some writers give quotations, (after the style of Dickens' M. Vincent Crummles), leaving out sentences or words which modify or eren tent to upset conclusions. a student therefore who has no bias and no formed opinion on the subject is therefore, like Pilate, constrained to ask What is Truth? Let us therefore shake omselves free of all controversial Transmets and bias, and, accepting the statistics of the army medical Department as being correct, whilst bearing in mind the ranions influencing factors already considered, try to

elucidate for ourselves the influence the operatur of the Contegious Diseases acts has had, or appears to have had, on the prevalence of Veneral diseases in our army. The fact are there. In 1862, a Committee of the House of Commons having reported on the extent and Severity of renereal disease in the army and hary, the act of 1864 became law. This act was only applied to three statums of the British Home army and was only in force for a little oner a year. It provised that any particular women who had been charged by some particular man with having given from renercal disease should be computarily examined medically and if forms diseased detained for treatment. In the same year, 1864, a medical Committee, Mr Skey; Committee, was appointed by the admirally and War Office to engine into the lest mode of treatment of the diese (Venereal)" and to Enggest to the Rasal and military authorities "Any practical rules to diminish The frequency of the cases of Contageon, and which are capable of adoption in the daily life of the ship or barrack? # The full report of this Committee, with all the evidence, forms one of the Army maried Department Reports, for 1865. It will write

Mr Skey's Committee pointed out the defects in the acts of 1864 and recommended the Compulsory periodical metrical examination of all prostitutes within the areas to which the acts were applied. As a result the act of 1866 was passed which was further extended by the act of 1869. These acts passed with very little opposition and were favorably reported upon by a Committee of the House of Commons in 1869 and by a Committee of the House of Lords in 1868. These acts were gradually applied to various military and naval Stations being in force in 12 Stations bown to 1869, after which from 1869 to 1886, They were in force in 14 stations. The opposition to these acts began in 1870 when arme The first motion for appeal. Similar motions were made in 1873, 1875, and 1876. In 1870 a Royal Commission reported farourably on the acts. a Committee of the House of Commons also sat from 1879 to 1882 and reported in their favour. In 1883 however the acts were suspended and in 1885 were finally repealed.

It may be noted that Government Officials, including the different Secretaries of State for war, and the First Low's of the admirely Consistently supported the acts in Parliament during The time they were in force. Investigation shows that during the period the art was in force the admission ratios for henereal diseases were lower in the 14 protected statures then in 14 importented stations. notivitationary the acts however the admission ratio rose at the protected statured from 1874 to 1885 the admission in 1884 being only 5 per 1000 less than They were in 1860. after the suspension of the arts in 1883 the admission enciences considerably but this me appear only to have been a continuition of the rise which had been going on since 1874. I mis the final repeal of the acts there has been a sterry fall in all forms of the disease except in Secondary Syphilis He fall of which as one would expect did not commence until a few years later but has been constant some 1890 according to the army medical Reports the acts

had practically no influence on the admissions for Jonvorhoer but lessened The admission rates for primary neneral sores, and Secondary Sphilis. It should be noted that when the acts were first enforces in 1864, 1866, 1869 the cure for all renereal diseases was falling. (See Chart I at pages) and that the acto were suspended at a time when the curse was riving. The curre fell 2 years after the suspension of the acts. It is obvious that the results of the inforcement of the C.D. acts were not very merked and it is not very writent that they had much effect as all in diminishing the prevalence of veneral chains in the army. The fact is we have very little go upon. The acts were not applied to the whole country mot to all mulitary stations. The result was that the movement of troops from protected to improtected stations, The fact That at short distances from the protected stations were improtected districts, I that men front on furlough to conforotexted places bringing back choiceans with them, all tempes to + See clear til while explains street the course for Principles and seeming syphiles one times to see the will the will expend not wider the act.



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bring protected and improtected stations to one level. One thing is certain and that is that since 1885 the atmissions for renered discuser of all kinds had fallen independently of the any regulations. We commot therefore reasonably recommend the re-enactment of the C. D. acts at Home. But whilst saying this I cannot kelp thinking that additional powers should be given to the Police in order to enable them to keep better control over the prostitute class in our streets in Lowen and most of our towns It is a disgraceful after tweet of things that no man can take his way down Piccabelly, one of the leading throughfares of the metropolis, without heing exposed to the open solicitations of a most of prostitutes, mostly foreign, over whom our police appear to have me powers of control. When stationed ar Houndow, some years ago, I traces 14 cases of primery syphilis to infection from one woman who hong around the

F. Minor Factors.

Hospital

Stoppage of

Pay.

barrack gate. I reported the matter to the police who informed me they could do nothing unless they caught the womant sleeping out when she could be anested as

a vegrant. In 6 ctober, 1873, Lord Cardwell,

In Getober, 1873, Lord lendwell, by Rogal Warrent, stropped the pay of all men admitted to hospital suffering from renereal disease. This was no immoration, for many years before, the Rogal artillerymen were for a time fined half a guinea if they contracted renereal disease. This warrant of 1873 however is stated to have caused the fall in the curre of prevalence of venereal disease between 1873 and 1875 and a diminished admission rate up to 1879. The army medical Reports say That the disease was correlated to arrive loss of pay. The Warrant was therefore cancelled in Getober, 1879.

+ a soldier was grown a somereign to interms this woman to go away. He succeeded, Faking her to hondon; but the sad result was - another admission to hospital for Princey Sophilis.

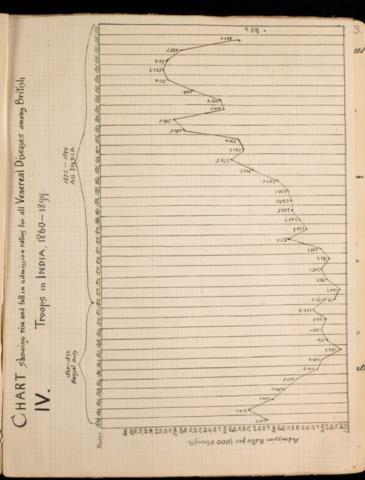
2. The Egyptian War. The rise in veneral prenature fetheren 1882 and 1885 is accounted for by some on the suppossition that a great deal of veneral disease was brought back from Egypt during and after the war and occupation.

3. Increase in Pay. Another minor factor which may presetly have had an influence is that about 1873. He pay of the private soldier was increased. We should expect an increase of pay to be followed by an increase in veneral prevalence - the soldier having more money to spend on his private amusements. The increase however, did not take place until 1876; but we have already shown that the influence of the Royal Warrant, which stopped the pay of the patient in hospital with benered, was at work in the same years. One factor possibly counteracted the effect of the other.

4. Intemperance.

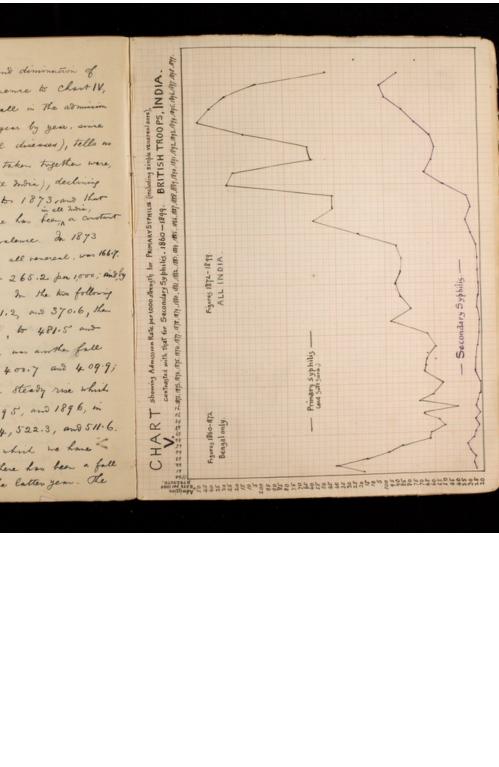
With regard to the relationship between

intemporance and immorality, it is would considered that the two go hand in Rand - the more druskenness, the more the immorality. Personally, I am not disposed to accept this opinion as an axiom. The drunken men is not necessarily an immoral man. The more money he has to spend on drink the less he has to spend on women. On the other land, the drunkant is more careless as to his associates and is more liable to consort with a low deep type (and probably desired) prostitute. It may be noted that during the bast 25 years temperance has been increasing in the army and drunkenness is now comparatively watermore when compared to the amount in the army in the days of long service. The army Temperance accounting started work about 1893, and, Since then, has steadily mereased in strength, entil, at the present day, we may fairly claim the the British army is the most temperate body of English-speaking man in the world; from which they are recruited. hospital for



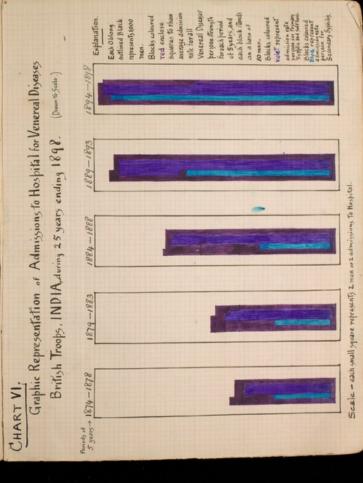
32 The Trevalence of Venereal Diseases in our army in India. Indie is the flower of the British army, It is largely composed of full grown and mature soldiers, and it roughly members about two army Corps, or 70,000 mon. I have shown that in the Home army veneral draws are diminishing in prevalence and severity year by year. In our Indian army however the contrary has been the case. From 1872 5 18 96 there was a steady and constant use in prevalence of all veneral diseases. Since 1896 there has been a fall. ton readily be understood that this steady and alarming increase in the prevalence of these dozenes, with the necessarily accompanying the diminution in efficiency, gave rise to considerable apprehension in the breacts of all who had the interests of the army and int nation at heart, and hence arose the the Stimulus for enguing into the causes of this hody increasing prevalence, and the necesses the cert.

Taken for the prevention and diminution of this prevalence. a reference to chart IV, which shows the rise and fall in the at mission ratios per 1,000 strength, year by year, since 1860, for all renereal diseases), tells us That all renereal diseases taken together were, in Bergal (and probably all more), declining in prevalence from 1861 to 1873 and that in all moin, 1873 to 1896 there has fear, a constant year by year, in prevalence. In 1873 the atomision acts, for 1,000, all renoved, was 1667. By 1882, it last risen to 265.2 per 1,000; Andly 1886, to 385.5 per 1,000. In the two following years the ratios fell to 361.2, and 370.6, than jumped, in 1888 and 1889, to 481.5 and There was another fall 503.3 respectively. and 1891 to 400.7 and 409.9; m 1890 while followed by a steady rise which Culminated in 1894, 1895, and 1896, in the respective ratios 511.4, 522.3, and 511.6. years of which we have " In the last two records, 1897 and 1898, there has been a fall in ratios to 362. 9 in the latter year. The



Taken + This pr which & ratios f 1860, That al in Banga in preva from 18 ruse, ye the atom By 188: 1886,1 years the Jumpet, 503:3 m 189 1 Culmina the respe In the l records, mi rativi

admission ratio per 1,000 strength has only once heen lower than this in the 13 years provious to 1898, namely, in 1887, when the ratio was 361.2. The next chart (V), shows the admission ratios per 1,000 thought in the Indian army for Princey Verereal tres (Princey Syphilis + Soft chance), and for Secondary Syphilis from 1860 to 1898. If me compare Charts IV. and V., see at once notice from closely the curre for Primary Syphilism rusis and falls, year by year, with that for total revered diserver, whilst the came for decondary Sypohilis mies and falls, not in the same years so the other curves but, as "me would expect, a year a so after. Thus the corresponding use in Secondary Syphiais to the me in Princip frees in 1889 occurs in 1890, the corresponding ments the great culminating rise in primary ones in 1894 ones in the following years, attaining its greatest Reight in Princy Sypholis (including all princy 1897. beneral doves) and decord my Sypthilis increased greatly in prevalence after 1884, a very merked increase occurring in the former in the years 1889 and 1890, and 1892 to 1896, whilst Secondary Syphilis has been markedly on the sicrease since 1888 and more pertialonly so in the period 1894 to 1897, The last year having the highest admission ratio a record In other words the great microse in Fotal renoral diseases, prin to 1897, has been chiefly due to the great increase in presidence in the west form of reverel disease, namely, Syphelis. Chart VI. gries a degrammatie representation of the growth of incidence of the narris nenereal diseases arranged in 5 yearly periods from 1874 to 1898. In This diagram I have drawn to scale blocks, each of which represents 1,000 men, one block for each period of 5 years. On each block I have colomed to scale blocks which represent the average admission rate per 1,000 strength, for each period of 5 years, ned for total renereal diseases, violet for princing spephilis. (milning other primary sores), and blue for secondary Syphilis. The red block naturally meluses The others and the part actually colonied red may be taken as representing the admission rates for gonorhoes. The part of each layer



years 188; whilst I on the in So in the having The In other wo henneal 1 due to # the worst Syphilis. representa of the ren 5 yearly o diagram of which for each I have col the averag for each renereal 1 (melending of Syphilis. the others red may t block left concoloured shows the number of men ber 1,000 who were mot attacked by reneral dreams during each period.

It may be that the reader prefers
the actual frymes on which these charts and
chapeans were based. I therefore fire them
in columns. These figures are Father from
the annual Reports of the Somitary Commissiones to
the Government of India and from the report
of Lord Grabon's Committee.

	Admission Rate per 1,000 strength.								
Year.	Primary Venereal Olcers (Primary Syphilis + Suff Sores)	Secondary Syphilis	Gonorrhoes.	Other Veneral Digitalies	Total All Veneral Diseases				
1857 † 1858 † 1859 † 1861 1862 1863 1864 1865 1866 1867	8EN- 118-7 140-4 116-4 98-1 87-4 64-8 64-6 51-4 56-2 59-8	25.8 28.7 26.9 30.2 33.1 28.7 25.5 23.7 25.4 23.0		68.2 66.2 62.0 58.0 48.2 40.5 35.6 25.4 31.0 25.9 40.4?	149.0 261.0 359.0 318.8 352.2 306.9 280.9 255.5 214.9 206.1 160.1 194.0				
1870 1871 1872	40·7 ? 73·3 62·3	25.0 24.2 22.8	3.0	28.8	197.2				

+ Figures for these years from Major Magnes property or pents concerning revocate prevalence in the

-	Year. Admission Rate per 1000 strength.								
-	real.	Primary Syphilis	Simple Venereal Ulcers.	Total Primary Olcers	Secondary Syphilis.	Total Venereal Diseases.			
	1872 1873 1874 1875 1876 1877 1878 1881 1882 1884 1884 1886 1887 1888 1889 1890 1890 1891 1892	75.5 72.1 134.3 104.0	66-6 70-0 9-0-8 85-1 55-2 58-5	Finary Olcers. 61-2 53-4 68-3 67-1 59-8 65-2 95-3 79-2 87-9 92-0 87-6 87-2 122-1 157-9 142-1 125-1 220-7 159-3	22.4 25.2 25.1 23.9 22.1 22.0 24.5 23.1 23.1 23.2 24.4 28.7 33.3 29.4 32.4 66.3 60.0 57.8 61.6	Diseases. 179.0 166.7 192.7 205.1 189.9 208.5 271.3 234.8 249.7 260.5 265.2 270.3 293.9 342.7 389.5 361.2 370.6 481.5 503.5 400.7 409.9 466.0			
	1894	174.1			0 84.9				
	1897			145.					

The above figures are from the animal Reports of the Sanitary Commissioner to the Government of India. They differ shighly from those in the A.M. D. reports on the Report of bod Forters from those in the A.M. D. reports on the Report of bod Forters from these in the A.M. D. reports one shigh to make the 1887, mo are Committee. These differences are shight and private to 1887, mo are chilly in the class of the sourcest original original try to the class of the sourcest original original try.

When studying there figures it is necessary to beer in mind a few facts concerning the way in while they have been Compiled. Prior to 1871, the renever statistics for The different Presidencies were not compiled on an uniform basis. Prior to the muting, the Benfal figures are not sufficiently detailed, but, since then, they have been so. In Graties, detailed figures are not obtainable prive to 1860, mor in Borntay down to 1865. It has therefore been considered best to take the Bangal figures as fairly representative of the whole of India prin & 1871, and, since the date, the figures for the whole of India are given. a Comparison of the different official returns prior to 1887 also shows descriptancies, particularly in The figures for admissions and admission ratios for total vonerest discuses. On examination the discrepancies are found to be confined almost entirely to the heading "other veneral diseases" and are largely one to the inclusion of such desires as stricture, implanted glants", to, when such were not the result of vonercal contegion. It is obvious the discrepancies on this accor must be very small but it does nevertheless make the figures foris to 1887 a little higher than they should be. I mie 1893 veneral diseases have been described under the headings, Princip Syphilis, Secondary Syphilis, Gonowhere, Ulcer of Penis a Soft fore, and then Segrela - a classification adopted entire in the A.M.D. reports. The hearing other veneral discious therefore disappeared in 1899

Virulence in type is shown by:

a. Increase in No.

Invalided

I have already shown that the great rice in prevalence of overered discusses in the district or veneral uscoss in last 10 years brevalance of the worst of there durines , namely . Syphilis. There is also some evidence to least one to think that He type of disease has been increasing in severity during the last 10 years or to. The best mories of this consist in a the increase of the number of non impleded for veneral durine in that period , 8. the mirened mortality, and c. He increase in the time it has taken to come each case of heroreal disease. With regard to a. He number of man invalided from India a account of veneral Draine (principally opphilis):in 1888, the number invalided for this cause smoonted to 7.7 per cent of all the invalids, in 1895 the perpention has usen to 15.8 per cent, in 1897 to The artual number of men implices for reneral in 1888 was just over half a comprany (65) and in 1897 it has main to one half a surpeny (43). in other words the mumber of smaleds for vaneral in 1897 was more than 10 times the number in 1888. The strength of the Indian army is 1888 was 68,887 me, in 1897, 68,395, so that the Increase was mit due to mirease in establishment. NM regard to b. the mortality from renever discise, if we take the same two gens for comparing the strength of the army in each year being nearly the

same me find that there were 4 deaths in 1888 as there were 23 deaths

a years, the mortality

come multiplied by 5.6

men of days in hospital

is while year the steedily

1897 and 1898 when

respectively, 33.32 and

to the back which

severity in type of

No. of Proportion of Deaths Men Invalided Invalids for from

1888 , we get this

each case of renerese werage mucha of days



BOMBAY CENTRE,

ST. JOHN AMBULANCE ASSOCIATION,

42, WATSON'S ANNEXE, вомвач, В 1 1901

I am desired by the Chairman of the Managing Committee to draw your attention to the following extract from a letter received from the Chief Secretary, in London.

"Viscount Knutsford and The Central Executive Committee have had under consideration the question of the qualificatio his Lordship to inform you that it has been decided the following shall be the Regulation on the subject :-

- t. In India all Graduates and Licentiates of any University recognised by the State are eligible for appointment as Instructors if approved by the Local Committee of the
- 2. Military Assistant Surgeon their Medical Superiors to t

1896

1897

ns, specially recommended by the Local Committee, shall also	For Venereal.	Venereal to All Invelids	Venereal Distance		
	65 66	7.7	4 6		
Yours truly, GEORGE LUND, Joint Honorary Secretary.	72	6.3 10.9 9.0	3		
	111	3.7 10.3 15.8	5 15		
70,484 32.10	479	24.3	14		
68,395 33.32	662	29.3	23		
67,741 33.31	569	21.9	17		

1898 These invalido after a term of treatment in England-come before a medical Board for final disposal

be eligible."

40.								41.
	9 La	OF STREET	. sa	no la	is that the	e were 4	deash in	1888
Increased	rise in prevale					as there is		
Virulence in type	a havi to							
of Venereal Diseases	army, privi to					is years,		
in last loyears.	prevalence of						etiplies by	
is shown by:	There is also						days in h	
	The type of					each cas	e of none	rese
The same of the same of	severity dur					merage m	unha of a	days
The same of	mories of						year the	
	number of						8 p 8 1 cm	
	in that pere						مر, 33.32	
	c. He mass							
	end case of						facts who	
a Increase in No. Invalided	a. He munt						in type	
Invalided	account of						ve got the	-0
	1888, He					No. of	Proportion of	Deaths
	to 9.7 per a					Men Invalided	Invalids for	from
	the proportion					for Venereal.	Venereal To All Inwhide	
	The article					1		
	in 1888 was					65	7.7	4
Secretarion (pr. 50)	and in 189.					72	6.3	6
	hi other words					112	10.9	3
						76	9.0	9
	hi 1897 ha					27	3.7	
	1889. The					111	15.8	15
	68, 887 ma, ~ 107/, 00,070, ~		1896	70,484	32.10	479	24.3	14
	increase was not due to mirease in establishment.		1897	68,395	33.32	662	29.3	23
b. Increased	With regard to b. the montality from vanores		1898	67,741	33.3/	569	21.9	17
Mortality.	disease, if we take the same two years for comparison		These	malibe .	after a ten	- of treatm	ent in Ly	etans-
	He thought of the army in each year being nearly the	1	come t	before a	medial o	Brand for	final de	poral.
			1000000					

40. 92 rise in preva Virulence in type army, privi to of Venereal Diseases in last loyears. There is also is shown by: He type of severity du mories of number of in that peri c. He mores ench case of a. He muml a. Increase in No. Invalided account of ~ 1888, He to 7.7 per a the proportion The arture in 1888 was and in 189 in other words 1 1897 wa 1888. The 6P, 887 ma, Increase was not due to mirense in astablishment. b. Increased mortality With regard to b. He montality from nancreal draine, if we take the some two years for comparte of the army in each year being nearly the Two years for comparison

same we find that there were 4 deaths in 1887 from this cause, whereas there were 23 deaths in 1897. That is, in mine years, the mortality from this cause had become multiplied by 5.6. Will regard to c. - the number of days is hospital it has taken to come each case of renerese cure each Case of Veneral drieve; in 1888 the average number of days was 25.68 days, after while year the steady nose year by year until 1897 and 1898 when the number of days was, respectively, 38.32 and 33.31. If we tabulate the facts which So to prove an increased severity in type of

remerent disceres time 1888, we get this

C. Increase in

time taken To

table. No. of Men Invalided Year Strength Proportion of Average No. Deaths Invalids for of Days in Hospital for each Case of Veneral. from of Army. Venereal to For Venereal. Ven ensal All Invelids 68,887 3381 25.68 65 28.39 69,266 66 1889 7.2 6 67,823 29.07 1890 72 6.3 67,030 1891 29.50 112 10.9 1892 29.01 76 27 9.0 70,091 29.82 1893 1894. 30.77 15 1895 71,031 31.49 130 15.8 70,484 1896 32.10 479 24.3 1897 33.32 23 662 29.3 1898 67,741 33.3/ 569 21.9

These vivalion after a term of treatment in England come before a medical Board for final disposal Factors which
Influenced the
Prevalence of
Venereal Diseases
amongst British
Troops in India
1857-1898.

Troops in India 1857-1898.

1. The Indian Mutiny and its Results. In 1897 about 34 per cent were finally discharges the service, in 1898 about 28 per cent. Roughly, one third of those implied from India are finally discharges the service.

A stridy of these figures cratically gives rice to the greation: - What factors were at work amongst the British troops in India which influenced (or may have influenced) the prevalence of veneral desires amongst them?

The outbreak of the Musting in

The outbreak of the Muting in

I 1857-58 was followed by a great increase
in prevalence of nonereal disease. (See Charts III vi)

This increase was officially attributed to the large
influx of new and inexperienced twops, including
a large proportion of young men, into divia.

By 1859, the troops in Bangal were nearly trebler
and in agril 1858, 16 per court of the twops one
sand to have been under 20 years of age. In

1864, only 2.42 per cent were under 20 years
of age. The Suppression of the Minting less to

considerable changes in the Constitution and
terms of service of the Indian Army. Print to
this the service of the Division Army. Print to
this the service of the Division Army. Print to
this the service of the Division troops in India
was very long. Amongst the Saat Division Company's

By the Sautay Commissions to the Scientific Company's

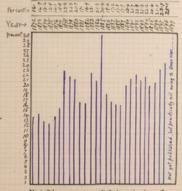
hoops senice lasted practically for life and 30 per cont of their troops were allowed to marry. These conditions were never restored and the 2. The effects of introduction of the Short Service System, by the Short Service Lord Cardwell, in 1870, soon brought about System on the a very great change in the constitution of

System on the a very great change in the constitution of Army in India. the Indian army as regards age and longth

5 of this change in the

YIL

CHART showing Percentage of New Arrivals
To strength of British Troops in India, 1872-1898



Viol at Lines are dearn to Scale and represent the figures, given in the Top Column. Natur I in Atti-6 each principle Congacting of I now Traylor Care to I haden are Congactic time of Calculation and The account of for Symin 2004 to and Capture of white time opposite 1883.

number of new twops every year. of young man amongst

momber of married man is corresponding increase womarried man.

did not make Homeshas did not attain their their their followed The third result followed The percentage of ingth, which, hefore the 70 per cent was a in 1872, steadily 879. and 96.71

. Then fell a little, and,

in 1895 was 95.4 per cent.

FACTORS which Influenced the Prevalence of Venereal Diseases amongst British Troops in India 1857-1898.

and its Results.

In 1897 about 34 per cent were finally discharged the service, in 1898 about 28 per cent. Promptly, one think of those implised from India are finally directorged the service.

A study of these figures oratmally gives vise to the greation: - What factors were

at work amongst the Britis which influenced (or may prevalence of veneral dis The outbreak 1. The Indian Moting 1857 - 58 was follower by in prevalence of nonerest a This mirese was officially influx of new and inexperies a large proportion of young By 1859, the troops in Bong and in agril 1858, 16 per said to have been under : 1864, only 2.42 per cent of age. The Suppression o considerable changes in the

terms of service of the Ind

this the service of the Queen

troops service lasted practically for life and 30 per cant of their troops were allowed to marry. Those conditions were never restored and the The effects of introduction of the Short Service System, by the Short Service Lord Cardwell, in 1870, soon brought about 2. The effects of System on the a very great change in the constitution of Army in India. the Indian army as regards age and length of service. The results of this change in the Indian army were.

1. An increase in the number of new troops arriving in India every year.

2. On increasing number of young men amongst He troops

3. A reduction in the number of married man in the army and the corresponding increase in the number of unmarried men.

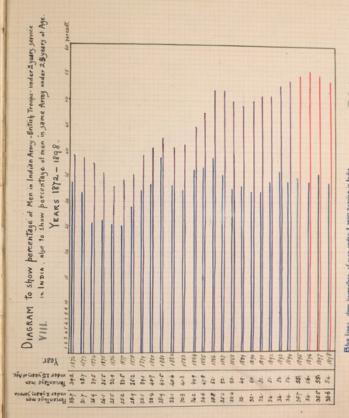
The frist two results did not make Homselves felt until 1876 and did not attain their full development until, son your later, 1886 (See Charts VII a VIII) The third result follows almost immediately. The percentage of unmarried men to strongth, which, before the muting, was as low as 70 per cent rose from 88.68 per cont, in 1872, stendily to 90.3 per cent, in 1877, and 96.71 per cent in 1894. It then fell a little, and, in 1895 was 95.4 per cent.

was very long. amongst the & # By the Santay armission to the Government of Andra

44.

(i.) Increased
No. of New
Arrivals every
year

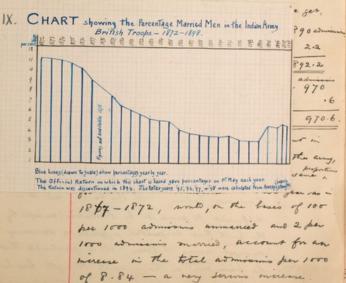
With regard to the influence of the Short Service System on the prevalence of honerest diseines in India, we can only say that it has, in that country, corresponded with a fairly steady mireare in prevalence. The rise in prevalence commenced in 1872, and the Short Service System began to influence the India army about the same time. It may he only a coincidence and mit a result! If we consider the effect of the meriese in the munter of new arrivals in India, yearly smice 1875, it is not so easy to make out the effect on the prevalence of neneral driese. It may however he noted that coincidenty with a marked increase in the mumber of new armiels in India in 1878 and 1885-86 Here were marked increases in the presslence of renercal disenses in the years 1878 and 1898.86. 6 or the other hand a diminution in the number of new avinals, - while amounted in 1881 to overly 5 per cent less than in the year before, and which steadily fell Letman 1885-86 and 1889 .was not considert with a fall in the prevalence of renercal discuses but with a Continuation of the rise of prevalence. It will



he interesting to note what effect the 47 absonce of men arrivals in India, in 1899-1900, has on the prevalence of noncreat diseases in Let us more craiser the effect 94 it of the mirenes growthfulness of the orthur ii.) Increase in The No. of Young Soldiers. in Lora. Between 1872 and 1876 The percentage of twops in morn under 25 years ay. of age fell speaking approximately 6 per cont; from 1876 to 1886 the percentage gradually wins. movement by about 19 per contrand in 1894 ex there were 21 per cent more soldiers under 25 years of age than there were in 1876. Since 1886, the percentage of Johnin under 25 .2 year of age has not fluctuated much, year by year, and, it is during there years that the nonerest choises have attained their maxim prevalence in the domain army. (Chant VIII) The effect of the third result of of the intertweting of the Short Service System (iii .) Decreased percentage to to India, manely, the mineaut percentage of Strength of immarried men to strength may be briefly Married Soldiers stated. The percentage of maries solviers fell from 30 per cont before the muting to 11.32 per cent in 1872, and since then stending year by year to 3.29 per cent in 1893

and 1894. It has risen to hetween 4.5 to 5 per cent in the years 1895 to 1898, In other words there was from 1872 to 1895 a steady decrease in The married strength of the Indrain army, and since 1895, the increase has been very little amounting to less than 2 per cent. This steady decrease in the muchan of married men since 1872 coincided with a yearly mirese in the mumber of admissionis to loopital for reneval driene. There is no don't but that this factor does account for some part of the mirene is benereal prevalence but obviviely, it count account for the whole. Let us consider for a moment what proportion of the inverse in heneral diseases may be laid to the account of a dimination in the married trought of the Irosin army. The returns so not now differentiate the amount of movered chains amongst married orlain from that amongst the immunicat so that we must go back in the records in order to find a basis for comparison. Returns for the years 1867 to 1872 Showed that the percentage of admissions for renereal diserse amongst the unmarried boldress was

50 times greater than the forcentage amongst married botories. In 1875 the percentage of unmerries men was 89 per cent, in 1894 it was about 97 per cent. If he suppose the admission rate for total veneral mines in forth years to have been the same, say, 1000 per 1000 amongst the immenses and 1000 per 1000 amongst the immenses and 1000 = 2 per 1,000 amongst marries ordered.



50 trues greater than the percentage amongst married solviers. In 1875 He percentage of immercial men was 89 per cent, in 1894 it was about 97 per cent. If he suppose the admission rate for total veneral draine in footh germ to have been the same, say, 100 per 1000 amongst the immercial and 100 = 2 per 1,000 amongst married ordinaries. Gon a strength of 10,000 men, me get, 2, 275 89,000 immercial men with 890 admission graphet 1,100 married men gove 2.2 Total admission 892.2

In 1894. 97,000 ammenied men and gric 970 and 300 married man. . 6

Total admission 970.6.

That is to say an increase of 8 per cent in the persentage of summaried men in the army, the remerce admission rate languithe same in for married and increase in the faces of 100 per 1000 admissions annualist and 2 per 1000 admissions annualist and 2 per 1000 admissions married, account for an increase in the total admissions per 1000 of 8.84 — a very services microsses.

mercessed prevalue in reneral disease in the army, than any argument fased on the

relative prevalence amongst married and summarried men in the period 1867-72

would lead us to suspect.

3 The growth of Temperance in the Army.

The Short service Then has cominded in don't of time, in the Indian army, with a rise in prevalence of reneveal driesse from 18 7 2 to 1898. There is one other factor at work in our Indian army which also corneides in print of time with this period. I refer to the army Temperance association, the good work of which commenced in 1873, and has, sime them, increased year by year in influence amongst the solviery. at the present moment nearly one third of the man in the British army in India belong to the army Temperance association and yet the amount of renered disens in the army has mireased during the period of The great increase in Temperance in the Rong. whilat alvolulis excess may be said, roughly speaking, to have diminished in the army in inverse ratio during the same perior.

On a suppositions basis of 500 per 1000 and 10 per 1000 armissions, respectively, an inverse of 8 per cent in the immercial, world account for an increase of 39.2 per 1000 in the neveral admissions. We may Herefore, I think, certainly consider that the steady diminution in The married Strength of the Indian army, since 1872, has been a constant fuetor accounting for a part of the steady microse in the renercal admissions change that period. point worthy of note is, that the woman who marries a soldier mornatays, is a woman of better class and education than the married woman in the army a generation or to ago. There is less nevereal draine amongst solviers' wives now than there was then, and, me may, I think, safely day, that there is less renereal disease amongst married tolview now Than ever before. If this he so, and it is difficult to prove it by statistics (except by The fact that confinital syphilis is decreasing annought army children), it is probable that the diminution in the married strength has has a still greater effect, as a factor causing an

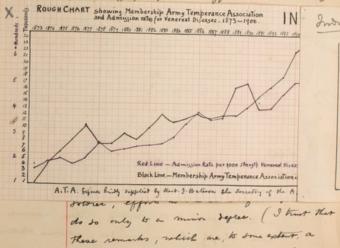
At Deers, in 1847, the

Personally, I so not think this is a matter of Cance and effect; increase in Temperance does not mean a resultant increase in prevalence of neverel disease. I think the causes which probue the increase prevalence of reneral diseased in the Indian army as a whole, also produce a corresponding increase in the prevalence of renoveal disease amongst the members of the any Temperana association. At the same time we have it on official record that in some regiments the members of the A.T.A. do suffer more from revereal disease than the mon members. Thro, in the Report of the Sanitary Commission to the forement of India for 1898, we read . -"The medical Officer at Commonne states that good character man and members of the A.T. A. constituted the majority of the men affecter, The same remarks held good of the Shrophic Light Infanty whom at Colaba, two years ago. at a meeting, the Secretary of the A.T. A., Lient. Meynell, drew attention to the fact (and June figures showing) that the A.T. A. men mere in a greater proportion sufferers from Venerest diseases than the remainder of the Regment. The difference was something like 20

per cent but I have unfortunately mislaid the actual figures. In the Durham Light Infantry at Poone, an office of the regiment, interested in the A. T. A., expressed the same opinion with regard to his regiment. Major Ceneral Dashword, quoting the authority of a distinguished officer who held a command in India, sand, "temperance men were law up with these diseases a great deal more Than those men who were not temperance solviers. + my own experience of three regiments, since my attention was drawn to this print, does not support myn General Dashword's opinia, in fact, in two Irvil Regiments and one bart Anglian, the foreportion of severeal admissions man certainly less than amongst temperance men than annoyet mon-temperance men but the difference was very little. Considering the question a matter worthy of further enging, I worte to the Lecretary of the A.T. A. in India and what boin for figures showing the number of solviers in India who were members of the association each year since its inception, and he knowly game me the figures I required. + In a lecture on Variet Brustone in India at the Royal United Service Institution, 19 to Feb. 1897.

When we covaride the large number of soldiers in India who belong to the A.T. A., we may fairly expect that, if there is any relationship between the prevalence of meneral disease and the increase in temperance, there will be some relationship between the numbers of at missions to hosportal for renereal diseases in each year and the numbers of A.T. A. members in the army, at have made out a chart while stoms in thousands the memberships of The A.T. A., from 1873 to date, and also the admissions to hospitals for all classes of renercal disease, in the whole Indian army, in ratios per 1,000. Placing both curves on the same chart me get chart X . . On examining this, there does appear to be a connection between reverent chainse and temperance during the first ton your dealt with, for it will be noted that in years when the membership of The A.T. A. rose The renereal ratios fell, and nice versa, I mice 1884 , homener, the curso rise and fall very much together, year by year, which perhaps shows that the come of ratios of armosons for the whole army faint represents the curre of ratios of admissions for monered diseases amongst the members of the A.T.A.

It is a gratifying fact that temperance is 33 sinceoning so greatly in the army. This increase is largely one to the efforts of the austratios, particularly of the Commanding Officers of regiments and the regimental officers. I few however that efforts in the cause of temperance have largely replaced efforts in the cause of



do so only to a minor degler. (I trust that these remarks, which are to some extent, a digression, will not be construed into an unfaromeble criticism of the A.T. A. and temperance work in the digression, such a construction would be very for from, my continents.)

The motto of the A.I.A.

When we consider the large number of strikes in Source who belong to the A.T. A., we may fairly expect that, if there is any relationship between the prevalence of seneral disease and the increase in temperature, there will be some relationship between the numbers of admissions to hospital for several diseases in each year and the numbers

	A. Memberships from	1890 - 13,487
+ 874 - 4,343	1882 -10,180	1891 - 15,040
1875 - 6,242	1883 - 12,144	1892 - 16,948
(1876 - 8,217	1884 - 11,020	1893 - 18,355
6-1876 - 8,217 6-1877 - 10,703	1885 - 11,827	1894 - 22,369
	1886 - 12,321	1896 - 23,711
1878 - 7.647	1887 - 11,947	1897 - 22, 810
1879 - 9.647?	1888 - 12.119	1898 - 21,574
7,001.	1889 - 12,140	1899 - 20,668

The A.T. A. rose The reverest ratios fell, and new versing of mice 1884 hormoner, the curse rise and fall very much together, year by year, which perhaps shows that the curve of ratios of admissions for the whole army fainf trepresents the curve of ratios of admissions for presents the curve of ratios of admissions for present discuss amongst the members of the A.T.A.

It is a gratifying fact that temperance is 3 microsing so greatly in the army. This increase is largely one to the efforts of the austrition, particularly of the Commanding officers of regiments and the regimental officers. I few however that efforts in the cause of temperance have largely replaced efforts in the cause of religion. Temperance, in fact, is more becoming the Solvier's religion. The belief amongst the roul and file that an A. T. A. man can to mo wrong is on the mirese. The precept Watch and he sober " has been cultivated to the neglest of the higher precept "Water and pray, lest ye enter into temptation." The pity of it is that, whereas efforts in the cause of religion , (no matter what form of Christian religion) , produce an improvement in the morals of the Soldier, efforts in the cauce of temperance do so only to a min segree. (I trust that These remarks, which are to some extent, a dyressin, will not be construed into an unfavorable criticism of the A.T. A. and temperance work in the army, such a construction would be very for from my continents.) 4. The Influence of Legislative

I come now to a factor concerning while it is very difficult for an unbraised man to Measury of finding form a definite opinion, namely, the effects legislative measures of Sanitary police have lad in the part on the prevalence of reverent discuss in the Indran army. My former remarks (v. pages 23, 24) on the continueray over the C.D. arts at Home are particularly applicable to the controversy Concerning the Lock Hospital System in India. I need not repeat them. The facts concerning legislative measures with a view to the prevention of renered diseases in India are, as follows .-Historical Resonal The great onthreak of renerest disease which occurred in India after the bronting was considered by a Royal Commission while Sat from 1859 to 1863. This Commission collected envience concerning certain preventive mensures adopter as different times and places in India prior to the morting. These measures mere chiefly two in member, at some stations Look Hospitals had been established and in many regiments are establishment of approved regimental disstriutes had been made. Thus, in 1805, Lock Hospitals were largely established in Madras.

In 1808, they were officially stated to have failed in preventing disease, owing to the lack of an efficient police. In 1809, mie our of seventeen hospitals were abolisted. In 1810, it was stated that one senenth of the hoops as Bangalore were desired. Government Therefore reestablished look bospitals at all stations where there were British Troops. In 1828, a similar system appears to lave here in existence in Bengal. In 1830, the Beyou Lock Hospitals were abolished layely as a result of a dovotest by the Indian Brishpos In 1835, Government closes the Loch Hospitals in makes in spite of the protects of the Madres medial Board. In 1838, somereal cheens were said to have decreased in forevalor in Bergal, and increased in madras. In 1842, hospitals mere re-opened at many stations but more as robusting charitable disponences than as both Hospitals. In 1855-60, regular Look Hospitals are said to have been respond at many stations. In 1861, regrettration and suspection of prostitutes were made computary in madres. In 1863, the Royal Commission presented its report to Parliament. It recommended in madres. 1. Represent measures of police; 2. Marrige and moral restraint, as being The only two ways of combating the evil

The Lock Hospital Systems was accordingly introduced in India. The interdestini was fradual, thus, In 1865, Face lock lospitals recestablishes in India; In 1866, one look hospital per established in Inom. In 1867, 22 lock hospitals per established in mini. 2 1868, 5 book bropitals mere established asin In 1869, I look hospital am established in India. In 1870, I look happital was established in Esia. 2 18 71, 11 brek hospitals man established in distin 3 look hospitals were ostablished in India. 2 1872, hamely, 25 lock hospitals were in operation tefne 1868, 30 before 1869, and 46 before 1873. For were afterness anded. This system remained in full force until 1884. It was partially anopombed from 1st Jan. 1985, to spring of 1889, and was abolished (no n result of a resolution of the House of Commons in June,) in the latter but of 1888. It is Said to have excited out was in some stations In 1889, a now Continuent until 1893. act was passed which authorised the bruenner General in Connail to make males for the presenting of the spread of infections and contagnins disorders within a continuent, and for the approximent and regulation of hospitals

rand other places, within a without a continuer for the reception and treatment of persons suffering from any diserve. As a result, Cantonner Hospitals were established, in the latter part of 1890. In 1892, the Gorommen of India usined instructions with a view to ensuring a strict observance of Hear Conton Rules and of the resolution of the House of Commons of 5th June, 1898. In 1894, several of the Continuent Hospitals were closed. In 1895, an art was passed by the Green Jeneral in Commil which prohibited any componlary or periodical examination of women by metrical officers or others. The vame act prohibites the registration or hieraring of prostitutes in any Continued. In the same year many more continuent hospitals were Closed. Statin Followers Horgoitals were however established in many stations which more intended to provide madrial treatment for Contrament followers and native inhabitants and were notunitary. Our the and of 1895 only 13 of these hospitals exister. In horember, 1896, a Departmental Committee with the Earl of Grabon as Chairman, was

appointed to report on the Prevalence of Veneral Draines among the British troops in India. The report of this Committee \$ was presented to Parliament a 20 th Feb. 1897. This report was a very full one but confined itself to promiting out the alarming niceens in prevalence of Veneral diseases amongs the troops in India, and to the increase in supplied fork in previlence and vivilence. The Committee considered that the military effecting of the army his impaired most seriously impaired, and that The annual return of many men suffering from Contagning and inheritable discuse to England constitutes a growing danger to the health of He community. It also drew a harrowing priture of the invalided at netley. The recommendations were made at to the future, but it was fronted out that the authorities had by encouraging temperance, recreation, education, sports, re done all in their power to improve matters without Duccess. The Committee therefore expressed their Strong conviction that without some fresh powers, no motinations or regulations could have any material effect in metigating this Scourge. Parliamentary paper East India (Contagion Frances), No 1, 1897.

The publication of this report and the discussions it gave use to in Parliament, in the military, medical, and lay press, strongthened the hands of Government; and, in a despatch dates 26th much, 1897. from the Secretary of State to the Consument of moia, it was stated that with regard to the prevalence of nevertal discover in " The British army in India, Her Majesty's Govern Connot acquiesce in the continuation of the spresent state of things which has led to such " a disactions increase in heneral disease among " the British broops in India, and requires the immediate adoption of remedial measures." The ultimate result was the introduction of the East mora Continuents art and Regulations which have now been in force since October, 1897. These regulations differ greatly from three which were in force up to 1888. Veneral drainer, one, as for a provible to be dealt with a The some lines as other contaguing and infection discussed." The regulation do not counterwee the providen of prostricter for the troops, the computary + See experially the fine debate in the House of Lows, upness in Times 14:397, when specifies of a light order were made by hospitablets, himsterne, bloody, Playing thinkering, a Claim a by the British as the British of Cambridge and the British of Cambridge aller as excellent pages, by Mayin Mayre, N. S. read hafer the R. U.S. Makatan in 8477, and while is 1877, in British Reduced Journal and Lauset, Taxis, Status, # Parliamentry paper C 8401, 1897.

examination of women, or any scheme of registration and bieneng for the purpose of prostitution. He practitute is susperted of being disensed or a source of danger to other persons, she may be regimes to be examined, and if she refines to be examined, " she may be required to great the Continuent." "no prostitute will be examined against her will."
Basicie officiero are also allowed to examine any woman who presents herself voluntarily for examination. The regulations provide for the sotablishment of hospitals and dropensages, do that all poor sich suffering from any contagnis or infections disease may be gratuitoury treater there. If the medial officer in charge of the hospital has brining facile grounds for believing that any person living within the Continuent is suffering from an infections or contagnino chamber, he may , by notice in writing, require such person to attend at the hospital or dispensing and to remain there until the madrial officer is satisfied that such person is not in fact outfiring, or is no longer suffering, from such disorder. If my person regimed to attent hospital refines to do so, a if laving attender, leaves hospital without the medical officers permission, the Continuer authority

may direct such person to leave the Control and prohibit onch person from re-entering it. The heeping of a brother on the revisione of a public protitute in the continuent or in any special portion thereof. The continuent anshority has similar powers with regard to regimental bazans within the Contoment, and no doctor is to be allowed to liter for The fourpose of prostitution or importune any person to the commission of sexual Respectable persons who will immorality. Hennelved adopt meanner for the prevention of the spread of the divider from which they are suffering need not be detained in the Lospital. In 1898, the year following the introduction of the act and regulations there was a merker fall in previous in Veneral diseases, princy opphilis falling to a lone print them in my year since 1888, Secondary Syphilis fell for the first time since 1892, and total Veneral diseases fell to a bromposit then it had been since 1889. We comment fairly attribute this improvement wholly to the effects of the art and regulations but the fact is nevertleless significant. We may

I think, expect the enforcement of the art and regulations to bring about a decrease in the prevalence of veneral discuses in India, but we are not yet in a position to state The amount of This decrease. One Thing is certain, all the Indian authorities agree, that some from of regulations is all absolutely necessary in India. This is largely one to the fact That me menon yet, have been devices by which the moral and social standard of the moran prostitute can be elevated. The is a member of openial coste, has trade brings no social stegina with it. Emestion, while there are grands for believing, had improved Their English compeers, has had no effect, and will have no effect, on the Indian protetuted She is satisfied with her praction while is much higher than that of the members of many other castes. The Kushi, or protestite, conte hold a recognised position in the Indian racial economy. many see very wealthy. Their children are not looked down upon as they would be in Ingland and many have attended eminance in different professions. I know of one man,

concated at an English College, a rejectives 62 mesnie breatition, greetly respected in Bonday, - and menis to an English women.

The act has brought about a marked improvement, is 1898, in twelve Stations in ladia, whilst in six others are improvement has been noted. This however is not the fault of the act. In some statums it could reve get a proper trial. at Shat johnfore, for instonce, where The posstututes to ast how in the Continued but in the neighboring city no regulations applied to the Continuent couls have any effect. at Ramel Pinti and Inhow however the prostitutes his in the Sudder and Regimental Lagrans - Here is no native city close to the Continuents. In such Stations the act will have full scope, and will, if properly enforced, certainly lead to a decreme in the disease. In Inlow, the enforcement of the art les brought about an summediate emprovement in The prevalue of revered. I am informed that the admission fell inacorple of months about 30 per cent: An incident while occurred, proven to my mind that the art is doing great good. The art

had been working well at a station when the Holi festivil of a Africa religious bolisay, armis, and the Hindre prostitutes in the Continuer hospital, broke out of hospital, and went wit the bayran to keep the holiday. a very great mixeure in renercal admissions amongst the troops was a result of this and it was some months before the act again to began to make its effects tell. In many hill status also the Bet will not bring about mucho results because in there stations remered disease is contracted from the hill-women who do not live in the Continuent but loster in the neighbourhood. I am told by a medical officer, who knows the Himalayon Valleys well, that the fill people, reciding even in halleys for away from any any Contomate, or European residences, suffer terribly from nemercal diseases. This severity is largely me to want of any medical treatment and the lack of all hygiene. Gonorchoen and syphilis are very prevalent amongst the people of divisi + This festival celebrates the first monotonistic of the grossor or Princers Sarastratio, and at this time the Strike strain his clithing with red Type and in many places intelliges in becaution blessorts.

and this prevalence is very frest amongst the solubitants of the larger towns, sartimling those where many races meet. In Bomby, syphilis is very common amongst the lower caster and the women of those caster are very , give to claudestine prostitution When I was on plague duty in Boombay, in 1897, I freewestly sow as many is sin or seven cases of secondary Syphilis in a morning's house to house visitation, and was frequently called upon to exame men with buboes due to renered causes. In the charitable dispensaries and exten departments of the large hospitals, I am informed, nearly one third of the cases show signs of reversal disease of some kind or another. In the country vellages of Control moin the people ostrause any man suffering from renevere disease, and the result is, such sufferers go into the towns and continuents until they are well. In the Decean seneral driese is common amongst the villagers and the same may be said of most of the native states. Many of one

large contonments in India are situated near native States or large cities. They are purposely so situated in order to watel over such states and cities. In such cantonments Contonment acts a Regulations will be unable to decrease renereal draines contracted outside the Continuent, and in fact there would be menperable difficulties in applying similar legislative measures to thes country surrounding these Continuents. Still greater mulo be the difficulty in applying theme to the whole of more. It wont he improvible to do so, omig to religious and coate pregnovies of the propulation. It is obvious therefore that He Just Continuer and a regulations for the prevention of contagnins and infertious discuses can be efficients applies only to the Continuents, and although the ideal conditions in order to effect the full havefit of these legislatine measures would be to extend

them to the whole country, a at least, to the Country within a radius of some miles of the Continuents, the conditions of life in India, The religions and coate pregnosies of the people debu us from attempting to apply These measures to a more extended area. I consider the present regulations to be mitable to the conditions of life in the Contonnects, not likely to arouse the feelings of the people, and yet thoroughly capable of combating a great deal of the donine while has been decimented our soltiers. The aly Inggested improvement I can make is, that if a small amount of daily pay in addition to the daily frost were given to the immeted of the Continuent Hospitals those would be less difficulty in getting beeth soffering from disease to come notomitarily to These hospitals. We want How people to one notomtery to hospital not be fined to come, to pain of landonet. In the height of the opposition to plane measure in Bombay I never had any difficultyin beeping the instead immeter of my segregates

hate contented after I arranged to pay the a small some daily whilet they were in them. Buthing appeals to the nature animal ware than the idea that he is getting something, however small, for mothing and he will be contented anywhere if perpents fed and pout in prosessation of a small some of money with which to buy fetel met, argumentes and nature succetiments. The arguments and refulations apply to men as well women and it will be well to ensure that they are applied in fact to men as well as women. Inset women of the protribute cester heeps men and south men protetly seed supervision as much as the women do.

Causes of Decreased Prevalence of Venereal Diseases since 1897.

a. Cantonner action

the fall in prevalence of meneral chaine is the Indian army change the last few years cannot be wholly attributed to the legislature measures introduced in betoke, 1897. One reason for saying this is that the decrease is to some expant apparent and not rece for lince

B. Numbers of Men are now treated outside Rogotal.

1857, minerary munder of me have been somber treatment for Syphilis and of hospital. Inch men attend daily or weekly for treatment. Treatment is mould by hyprotermic methods (Inch as much formerly have the smelled the return that to most formerly have the smelled the return that to mot showing homerer are not affected very much, because it is extremely rare for any men showing signs of active discuse to be treated out of hospital. The custom will however probably show a diminutar in the returns under the heading, "munder of days in hospital.

c. Tirak War.

Decrateme in 1897, 1898 and purhally to date in also probably done to the effects of the Tiril Compaign in 1897-98, and the Boser of China Wars in 1899-1900. In the former has a large number of troops were on active describe in a Country bless woman here scarce and prostitute practicity when when the Scarce and prostitute practicity when the start to Batter was home better may

d. Boer War, +c.

Few Fresh Arrively twops out of the country and their places

from Home and have not been refilled. Time expired resultant increase men have been hept in India, and in Average Length fractionly no new drafts of young of Service in hadin of the Soldier in Soldiers have come out from England. The result has been an increase in the average age of the solvier during the last year or two and a marked dimenstrin in the number of men under two years service in the country. a strong of the medial documents of a regiment in India brigs out The fact that 150 admissions to hospital for renerent disense in enery 292 admissions for the same come, we the in the first two years after armil in India , There being 83 admiranis is the 1st year after landing and by in the 2nd year). That is, the army i India contracts over one think of its beneral disease in the first your after landing in the country, and more than one half it two years of arrival in India It is clear therefore that some of the distance + 1th Bettelin hortolle Regt. But reprinces deffer greatly

prevalence of xeneral disease in India has letters been due the dimension in the number of fresh arrivals in the country.

e. General Order On 14th July 1897, the Commander in India of in Chief in India want a feneral broth 14. July 1897 directing regimental officers to use their personal

PATHOLOGY. Esthato in Hair severel phenes of drug to relieve to the great provider of spatialistic.

AND JULIUS (Condition of spatialistic).

AND JULIUS (Condition of spatialistic).

AND JULIUS (1991) report the excel discense in the anny. Otio order and spatialistic. membed the delivery of lectures to the by selected combatant and medical on the subject of the moral and physical ation resulting from reneral excess in It was also recommended that vary messes should be enforced to men from frequenting infactes arens melt of this order was that newly their in India was addressed by and other officers on the subject, e lectures did a certain amount of In one regiment certainly lectures are effect for good. Two months lecture a soldier come to hospital from inflammation of the inquinal He declared that the men in his room had, since the lecture, Iwom off the women " and

Few Fresh Arrivals twops out of the country and their places From Home and have not been refilled. Time expired resultant increase men have here kept in India, and in Average Length fractionly no new drafts of young of Service in hudin a love for some out from England. of the Soldier in Soldiers have come out from England. The result has been an increase in the

amerage age of the jaxed, and any reside that bleeds is tied. The peritoneal folds of the pedicle are seen over its bars surface. Out of stanses under Jordan, before the adoption in on the new method, exudations occurred a you or two and a mill the nor the number of men to cases when in the country. A other piece there were exudations in the same and the seed of the seed o

documents of a regiment

The fact that 150 (116) The Action of Atrop
Brady cardia.

for henerest disease thand July in injection of admissions for the finibility in the first thro yes ardiac causes on the one in the traping causes its dis India, (There being 8 3man, aged 37, due to thromboo artery. The pr 1st year after landings hyp 2 nd year). That is, Strad

contracts over one that drainse in the first the in the country, and stem low how half thro years often give It is clear therefore that some of the

1th Betalin mortile Regt. But reprinces deffer greatly

prevalence of xeneral disease in India has letters been due the dimenstron in the number of fresh arrivals in the country.

e. General Order in India of

On 14th July 1897, the Commander in Chief in India issued a Jeneral Gratet 14. July 1897 directing regimental officers to use their personal efforts in Their several Apheren of drug to be leasen the evil "nevel, the great provale of neverel disease in the any. This order recommended the delivery of lectures to the men by selected combatant and medial officers on the subject of the moral and physical degradation resulting from reneval excess in India. It was also recommended that disciplinary messues should be enforced to present men from frequenting infected areas The result of this own was that news every solvier in India was whened by medical and other offices on the subject, and these lectures did a certain amount of good. In one regiment certainly lectures did have an effect for good. Two mosths after a lecture a soldier come is hospital suffering from millommetrin of the inguinal glands. He declared that the men in his room had, since the lestine, swom off the women "and

since he was the first man in the room to "go sich" he was very mucros to prove le has not suffering from nenereal disside. as There were no obvious signs of a reverent came for his condition, his disease was not shown as of nonered origin, - greath to the man's relief It was very clear to me that the forblie oplining of the men in this man's barrack-room was though against those men in hosportal with overeld durine, and this opinion had been arrowed by the lecture given two months a certain amount of the diminution before. in prevalence of neverent drawn i India, smally may, has I think, be attributed to the effects of this general order of July, 1897.

F. Effects of Plague Measures since, 1896.

form in Brombay in the autumn of 1896, and has, some that date, extended to many other parts of India. As a result, the troops in contonnents, near towns or district affected by the epidemic of plague, have been subjected to disciplinary measures to prevent them from exposing themselves to

Contagrai. The town and district have her put out of bounds" for the troops - and, in many places, natives of these towns and district have been kept out of the continuets. a result has been a diministed prevalence of vaneral discire animget all troops subjected to these restrictions. This is promed by the reports of mmerous metrial officers (although in one or two places no improvement was noted). a certain amount of decrease in the prevelence of neveral disease is India since 1897 may be traced to these restricting but, obviously only a small amount, because The restrictions were only in free in a few infected west at a time.

To sum up, Herefre, the decrease in prevalence of Veneral disease in more 1897, has been due, or may be attributed to, these causes arting together to the one can alone and there are,

not to one cause alone, and there are,
a. The continuent act and regulations of 1897,
3. The necessary muches of men treated out of looguitate,
c. Was on the further and article more and its effects, while
The Browned muches of new arrivals in John of late years.

See Report of the Sanitary hommissis to the Government of which 1897-1998 as A.M. B. Reports for San years.

† The trops of beliefe one the ord order restricted in 1896, 2 1897 many other status were affected. 21818 still some.

OUR NATIVE ARMY INDIA.

74

d. The results of the General Order of the Commenter in Chief in India of 4 4 Any 1897. e. Restrictions of movement of two 1896. The Prevalence of Veneral Decesses among our native Troops in India.

Before learning India, it will not be out of place to make a few notes concerning the Prevalence of Veneral disease among one Natrie Indian troops. I give below the admission retwo, per 1000 strength, for Principal Veneral tries, Secondary Syphilis, and Total Veneral diseases, from 1877 to 1898.

YEAR.	Admissio	Admission Rate per 1,000 strength.		
	Primary Venereal Sore. (Primary Syphilus + Soft Sore).	Secondary Syphilic	Total All Venereal Diseases.	
1877	11.5	5.3	26.7	
1878	16.3	5.8	37.5	
1879	16.5	7.0	37.1	
1880	15.0	5.8	33.3	
1881	17.9	7.2	39.5	
1882	14.7	5.9	34.4	
1883	13.0	6.5	31.6	
1884	11.0	5.3	27.9	
1885	11.2	5.9	30.1	
1886	13.7	6.0	28.1	

10 P				/
and the second		Admission	Rate per 1,000 strength	
300000	Year.	Primary Venereal Sor [Brown Syphilis + Soft Sore]	re Secondary Syphilis.	Total All Venereal Diseases.
and the same	1887	12.6	6.1	27.4
and the second	1888	13.5	5.4	31.5
	.00		6.4	38.9
			6.9	41.1
1 -112		ER.	6.9	37.9
The Sent Sent Sent Sent Sent Sent Sent Sen	pliment recogni- sident Medica came a ship on Mr. Por	978 of the an bo	7.9	39.6
THE UNITED THE UNITED TO THE UNITED THE UNITED TO THE UNITED THE U	sliment to the Association, ecognition of the distinguisdent holds as a surgeon. Medical Officer to the Local same a Member in 1844, was same a Member on this profession. Mr. Power on this profession has been associated by the same occasion.	978 The Burner 978 Th	9.0	36.4
THE UNIVERSE TO THE UNIVERSE T	of the of the mber mber sam	Parent American Ameri	8.2	32.3
THE UNIVERSITY of Kimboday IX. G. was for more than I mixed a fixed that I mixed II. G. was for more than I mixed II. G. a vacancy has aria ba vacancy has aria pagers. The date of pagers. The d	the Association, which of the distinguished poor of the distinguished poor s as a surgeon. Mr. W. Seer to the Local Government of the Local Government	o who	7.3	31.3
UNIVERSITY mhodey, K.G. more than i wersity of Lo as Chancellion to, By the ty. By the contion voting The date of thereto been	surgeon. A the Local 1864, was a occasion. V professional	Dona P	8.9	37.2
ERSITY OF by, K.G., who c than forty y of London, has aciden By the new gellorship w a volting as a volting as of comminations tion on or b o been fortu	uished Mr. al Go	e congra	9.0	40.8
OF LO who die orly year idon, and we in 18 sen in 14 new co p will, as at a election fortunate fortunate		1 1 1 07	11.5	40.0
THE UNIVERSITY OF LONDON. THE Stril of Kitholedey, K. 6, who died last week in the year as for more than forty ware a member of the year as for more than forty ware a member of the property of London, and succeeded the sent Husendaul as Chancellote in 1859. By the lowest the Chancellote in 1859, By the lowest war of the Chancellote in 1859, By the first the Chancelloteship will, for the first the Chancelloteship will, for the first the Chancelloteship will, for the first the chancel by Convocation votting as a 1 sematorial to the sent fixe by rotting prapers. The date of election has been fixed the chancel of Chancelloteship will be received by the chancel	sociation, which is absolute to distinguished position which is surgeon. Mr. W. H. Fower, the C. surgeon. Mr. W. H. Fower, the C. bard, who the Local Government Band, who it is is is, was also advanced to the Fellows as also advanced to the Fellows as a regulat to congratu occasion. We are gluid to congrature professional recognition of the emit-	EHE VOLUNTER Ato Dr. Ferguson Nave been well in the taken as a c	tat the venera	el retris
ADON. I hast week a member succeeded to be the first or the first senatorial e has been fin his be received in its Chan and has been fin its Chan and hard	on which Power, th Board, of the id to come on of the	OLUZ Pen been a	po are faily	
eek in eer of d the his collo collo collo collo collo first d ele fixeb	ition which its Pre- ition which its Pre- H. Power, the Chief nent Board, who be- need to the Fellow- glad to congratulate tion of the eminent wentive medicine.	LUNTER Ferguson been well	They have no	
the by	inte out	THE ME ST THE	great variat	

Confere the two armed me find the around of veneral disease amongst our rature trops the British through our rature trops the trops of veneral disease amongst our rature trops trivial as compared with that awapt our British trops. The proportion in 1898, has as 40 is to 363-a very considerable

OUR NATIVE ARMY INDIA. d. The results of the General Order of the Commenter in Chief in Indea of 4th Ing/897. e. Restrictions of movements of twops, as, ohie to plague menomes some 1896

The Prevalence of Veneral Discuss among our nature Troops in India.

Before leaving India, it will not be out of place to make a few notes concerning the Prevalence of Veneral Disease among our native Indran troops. I give below the admission ratios, per 1000 strength, for Princip Veneral tres, Secondary Syphilis, and Total Veneral Diseases, from 1877 to 1898.

YEAR.	Admission Rate per 1000 strength.			
	Primary Venereal Sore. (Primary Syphiles + Soft Sore).	Secondary Syphilis	Total All Venereal Diseases.	
1877	11.5	5.3	26.7	
1878	16.3	5.8	37.5	
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1880	15.0	5.8	33.3	
1881	17.9	7.2	39.5	
1882	14.7	5.9	34.4	
1883	13.0	6.5	31.6	
1884	11.0	5.3	27.9	
1886	11.2	5.9	28./	
,000	, ,	0 0	201	

Year.	Prime (Smiry
1887	
1888	
1889	13-11
1890	ш
1891	
1892	4
1893	No.
1894	101
1895	16.
1896	63
1897	54
1898.	
It will	· he

Occurrence.

With regard to the negroes south of the Senegal, the author concledes from his observation that the black race is more resistant to the syphilitic virus, but that half-castes are more prene to the disease. The more European blood the worse the disease.

Frince

The strong of the stro

The proportion in 1898, to 363 - a very considerable

of the Association when we congraintate Dr. Ferguson on an honour which every one will feel to have been well deserved, and which may be in some some to see the control of the control of the distinguished position which its President holds as a surgeon. Mr. W. H. Fower, the Chief Medical Officer to the Local Government Board, who becomes Member in 1864, was also activated to the Fellinston of the Common Member in 1864, was also activated to the Fellinston.

Mr. Fower on this professional secondard to the Fellinston.

Mr. Fower on this professional recognition of the eminent services which he has rendered to preventive medicine.

Mr. Fower on this professional recognition of the enablest of more active which he has marked to provenitive modeline.

THE UNIVERSITY OF LONDON.

THE EAR OF Kilmelrey K.C. who died last week in his roth year was for more than forty years a member of the observed of the interestry of London.

The EAR of Kilmelrey K.C. who died last week in his roth year was for more than forty years a member of the observed of the control of the University of London in 1850. By his death therefore a vacancy has arisen in the Chancellership of the University of London in 1850. By his death therefore a vacancy has arisen in the Chancellership of the University of London in 1850. By his death therefore a vacancy has arisen in the Chancellership of the University of the Chancellership will, for the first bins of the University of the Chancellership will, for the first bins of the University has been forther than the Chanceller of Convocation on or before April 2 and. The Chancellership will be received by the Chanceller of the University has historic been forther in the Chanceller was the late Duke of Devonshire, who was succeeded by Loed Granville, their terms of office being from 1855. and 1855.01 respectively. The last decade witnessed the office of the University, and Loed Kulmberley. Several names have already been canvased for the august position. Lord Rosebery has shown an interest in the new life of the University, and Loed Kulmberley. Several names have already been canvased for the august position. Lord Rosebery has shown an interest in the new life of the University and Loed Line as a good and the University and Loed Loud Line as a good and the University as the University as its representative in Earlie and Lond Line, as a gondante of the University as the University as Loed Line as a gondante of the University as the University as Loed Loud Line as a gondante of the University as the Standard London Lo

1880	15.0
1881	17.5
1882	14.00
1883	/3. h
1884	11.6
1885	11.00
1886	13.7

neative in Coloresty Desires, from 1877 to

_			10.	
	Admission Rate per 1000 strength.			
Year.	Primary Venereal Sore [finish Sophilis + Solesone]	Secondary Syphilis.	Total All Venereal Diseases.	
1887	12.6	6.1	27.4	
1888	13.5	5.4	31.5	
1889	16.6	6.4	38.9	
1890	16.0	6.9	41.1	
1891	13.6	6.9	37.9	
1892	14.1	7.9	39.6	
1893	/3.3	9.0	36.4	
1894	13.8	8.2	32.3	
1895	13.1	7.3	3/.3	
1896	15.5	8.9	37.2	
1897	16.1	9.0	40.8	
1898.	14.3	11.5	40.0	

It will be noted that the veneral ratios amongst hatme Troops are fairly constant from year to year. They have not been characterised by the great variations which The reverest ratios of British twops under went doing the Same perior. When we compare the two armied we find the arrows of nenereal disease amongst our nature troops Fireit as compared with that aways on British trops. The proportion in 1898, has as 40 is to 363 - a very considerable

75

OUR NATIVE ARMY INDIA.

74

d. The results of the General Order of the Commenter in Chief in India of 4 th July 1847. e. Restrictions of movements of two for an obse to pea The Prev among our not be concern among on below their for Princing and Total 1898 YEAR. Primary 1 x 100 (Primary Syphilis 11.5 1877 16.3 1878 7.0 16.5 37.1 1879 1880 15.0 5.8 33.3 1881 7.2 39.5 17.9 5.9 1882 34.4 14.7 1883 31.6 5.3 27.9 1884 11.0 1885 5.9 11.2 30.1 13.7 28.1

			10.		
	Admission Rate per 1000 strength.				
Year.	Primary Venereal Sore. [Brains Siphilis + Soft Sore]	Secondary Syphilis.	Total All Venereal Diseases.		
1887	12.6	6.1	27.4		
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1889	16.6	6.4	38.9		
1890	16.0	6.9	41.1		
1891	13.6	6.9	37.9		
1892	14.1	7.9	39.6		
1893	13.3	9.0	36.4		
1894	13.8	8.2	32.3		
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It will be noted that the veneral ratios amongst hatme troops are fairly constant from year to year. They have not been characterised by the great raniations which the reversal ratios of British troops underwent during the Same period. When we compare the two armies me find the amount of veneral disease amongst our hatmi troops trivial as compared with that amount on British troops. The proportion, in 1898, has as 40 is to 363-a very considerable

difference. hative troops had, in 189 8, less than one mith the amount of veneral disease in the British army in India. The causes of This comparatively small amount of dissuice amongst the native troops are briefly explained. hearly enery nature solvier is a married man, this factor makes for a smaller amount of renered infection than if the orlviers were immarried. The nature soldier is a loop somice man and serves practically for life if he altains the higher grades of ranks. + When a hatire regiment changes its station and mores to any great distance from the part of mois from which it is recruited, and when on the march, their wies heing left hehind, nenereal admissions miresse amongs the sepays. I speak from personal experience and enging. The onthreats of war on the frontie or elsewhere, as in the afghor, Tochi, Tiril, Chitral, China, and London compagns, always necessitates considerable movements of the native regiments - regiments often being moved from their own presidency to replace regiments which have gone on sowice Such mores are always associated with on micesed prevalence of renerent discove

+ In 1897. I saw a nature officer, still saming in the 9th Boyne Couly, who was serving with Itobrows House, with Delhi, in 1857-58.

With regard to the racial characteristics of the different regiments, low caste regiments, and burkles, suffer most from neverel. The Burkla in habits, percentage of menies men, se, approximates more nearly to the Bouth toldier, and in brinkla regiment the veneral ratio is very much higher then amount other native troops. Thus is Manopone in 1898, the admission rates, annuget the Garkles, was as high as 158.4 per 1000 strength. another factor which tends to lesson the numbers of admirains to hospital for veneral diseases amongst nature troops, is that if a native soldier becomes temporarily disabled on this account he has little difficulty in getting a sick furlough, while enables him to go to his native place until he has reconcred. During this period, although suffering he is not shown in the nedrical returns. In addition there is little difficulty in invaliting out of the service all chronic cases. The nature Sepay is cheep when compared with the British solvier and native recruits are easily obtained. The dock Hospital System and not apply to nature troops in horis, so that no varieting is noncered prevalence amongst them can be

Strength.

Offengin.

Source of Statistics on which Charls remarks have been based. traced to legislation or non logislation.

The Prevalence of Venereal Diseases in the British army in the Colonies.

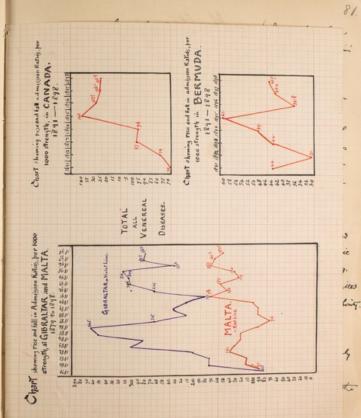
In 1898, 37,270 British solviers were garrisoning one Colonies, stoughly distributed as follows; over 9,000 in malta, over 5,000 in south africa and 81. Helene, hearly 5,000 in Egypt and Cyprus, of 4,556 at Schallat, whilst the sourcesim of the West Indies, Bermonda, Canada, 6 hima, Ceylon and 5 traits Settlements, ranged in their themen 1,808 man and 1,401. Manritis Lida small garrison of 823 man, and, in Wast africa, the British toops only numbered 72.

I have prepared a series of small charts throng the curve of prevalence of all reneral diseases taken together, in each colony, in malta and Salvaltar for the last trush years of which we have records, if the other colonies for the years 1891 to 1898. These the charts are based on figures taken from the army medical Department Reports, and these Reports also from the basis of most

Gibraltar .-

of my remarks on Veneral Prevalence amongs a trops in the Colonies Gibraltar-The curve for all admissions for vonerene disease is much higher than that for the home army but not so high as that file Indian army. Between 1861 and 1886 there was (with one slight semission is 1884) a stendy rise is prevalence of all reneveal diseases taken together; the increme is admin ratios being about 190 per 1,000. There does not appear to be any explanation for this rice. I wrig the next fine years, the admission retor fell from 365. to 181 per 1000. In 1892 it again rose considerably and since that year , has remained mordinately high . I gather from the A.M.D. Reports that the ratios of admiranis per 1,000 thength for Syphilis are below those for both the Indian and the stone armied but the admission for soft chance are extraordining high, particularly smie 1894. The loss of efficiency on This account is very great. a study of the chart does not show any tondency in the conve of admissions for total Veneral desires

to fell; thus differing from the current for the India and Home armes . It would appear therefore that the enforcement of some respecial remedial measures are indicated at Gibrettae Since we have to deal with an isolated fortress The ideal conditions for some from of Contagroin Diseises art exist, and, if introduced, should produce an improvement. Within late years many aliens, maltere, Spanishs, and other, have flocket to Sabrellar on account of the extensive harbon works which are being constructed there. On act on the lines of the Continuer art and regulations, India, 1897, would appear therefore who the form of remedial Voluntary lookitals thanks be provided for the textment of those suffering from conteying or infections diseases. If prima facie evidence exist to show that any because is suffering from such diseases, the medical authoring Should be empowered to order the " 4 come to horgital for treatment. Failme to come to hospital when ordered should entail familment



to fall; thus deller han it comes for the

India as Karefre . remedial Since he The ideal Draines (produce . many ale flocker to Larbone + there. (act and appen 7 measure Voluntary teatment infection exist to frim on Should be to hogit to hospita

from the Form and fretress. I gather from a recent newspaper ther mr Chamberlain's recons visit to Bibratta has resulted in Aliens. The scope of the measure however is not indicated.) In May 1883. compalary weekly medical examination of alien prostitutes was introduced. It does not appear to have had any obvious result in the reduction of forevalence of heneval disease, and was repealed in 1887. The usine of certificates of health, after nolimtary medical examination, continues until 1898, and supervision by the Jorlie until, a few months later, is January, 1889. It may be noted that no alien is pormitted to him in Bebieltan without written authority. The lack of a permit to reside in The place entails removal from the bronds of the forthers. This law could obvinely be utilised in Browing the exclusion of diseased or impositable characters from the Rock.

Malta.

In malta we have all the conditions present which would lead us to expect a high rate of prevalence of renever diseases. A small island with a morgrel population, a large garrison (one 9, oro new), a station of one of our largest fleets, a sea port on the great highway between bast and Wast, all Those conditions tond to the introduction and the Spread of onch diseases as those of menercal origin. We find however that from 1859 to 1895, the admission rates for all nonerent diseases has been loner in matta than elsewhere. Since 1895, it has been higher than in the Home army but it is considerally lower than in the Indian army or in the Sibraltae garrison. a reference to the chart will show at a stance however that the admirain ratio, per 1,000, for all renereal chrises, have during the last 10 years shown, been on a higher level than in the frist 10 years. The only explanation for this mereased meidence his in the fact that many regiments stop

as molta for a year or so on their way

Malta.

to England from India. During this Catte period of 10 years, revered disease attamis its highest prevalence in the Indian army, and, it is only ressonable to expert regiments leaving India during that period to carry with them a high prevalence of reneral disease, which would naturally affect the total ratios of a small garrison such as malta. a study of the A.M. D. Reports shows a remarkable and inexplicable reversion of what has occurred at Estraltar. In Isbrattan, the admissions for Soft Chance have, of late years, hear greatly on the morene, whereas, in matter, we find that softdown (more prevalent Then priming sypohilis priming to 1894,) has, dowing the last 5 years shown on the chart, faller in prevalence, whilet primary syphilis has mercues until it mow exceeds the prevalence of soft chance. a glance at the chert, on which I have blaced both the carres for malta and for Caibraltar, also brigs out a proint not readily the explanes. It would appear that with remerkably unaminity, in years when

total Veneral admissions fell in Sebraltan, they was in matta, and, when they fell in matta, they rose in Sibraltar. at the Same time, renereal prevalence has during the past 20 years been less in malta than in Sibralton. We can only find one explanation for the long-continued low level of prevalence of renevere in malta, and, that is, the long continued operation of legislation directed against the spread of these diverses. This Cegislation in malta is said to date back, 300 years, to the times of the Knights of mella In 1859 the measures of sunday portice were temporarily suspended, but the consequences were so serious, That it become necessary be pass the bromance of 1867 which is still in force notwithstanding many attempts at repeal. Boy this Ordinance prostitutes are compelled to imbergo periodrial medial impection. That the operations of this bromince is a crowded island, continually open to the introduction of foreign sources of contagion, has been of haneficial effect may be judget from the + See article on "the propagation of Veneral Diseases" in the Sancet of Feb. 15, 1898. It deals very fully with matter.

facts That, in Dect 1885, The Duke of Commell's Light Infanty, 900 they, landes with 28 cases of renered, and, 11 months later, in more 1886, had only one case of reneved (framher) in hospital; and in may 1886 the Black watch, 740 stroy, arrived from Egypt with 33 cases of. renexed and the months later, were guite free from renereal. The people of malle crisently have faith in the acts, for all attempts at repeal of the bromane girly have been defeated by the elected representatives of the people (although repeal was supported by the Government austorities;) and the beat press has also consistently opposed repeal. Dr. Pisini, the Chief Covernment merical Office, reported in 1886, "Vonereal disease is not " very prevalent here. But from of syphilis " are meanmon in comparion to what is the case in other countries and in proportion to " the population." "I am convinced That This " exceptional relative immunity from vaneral " disease is due to the supervision of protestes which is here enforced by law." It would appear therefore that

no special measures of prophylaxis against benere

palte. The local conditions are however, favorable to the enforcement with herefit of C.D. arts on the lines of the Centonnum act and regulations, India, 1897.

Canada.

CANADA.

Between 1880 and 1891, Fotal veneral disine fell, in nature of admissions, per 1000 Strength, from 251 per 1000 to yo per 1000. The ratio rose between 1891 and 1894 to 96 per 1,000, and, in the following year, took a sudden jump to 140 per 1000. Since 1894 it has been showly falling that is still higher Than the decennial average. Canada was under the Contagrino Diseases Acts for a short time after their enactment, but not during the years shown in the chart. The ratios of admissions per 1,000 strength, for total reneral diseases and for all forms of reneral disease except gonorhice are now love then those in the home army. With regard to gonvalven, either on account of better treatment or a greater milioners of type the loss of efficiency on this account is less than in the

Home army no special measures of prevention are therefore to be recommended. It

BERMUDA.

Dermuda.

In Bermuda, where the strength of the garrison is but little more than that of Canada, the veneral diseases are very small in amount; the ratio of admissions for total Veneral, ranging felow 49. per 1,000 strength, although in 1895 it was to 61 per 1,000. Bontaging Diseases arts were in force until 1887. No opecial merumes of prevalence is necessary became the name prevalence is low and what does occur is largely hought from outside. This in 1898, all the primary syphibis (and one half the governhouses) was imposted.

West mores.

In the West movies where the troops member very much the same as in Bermuda, the veneral ratios are rather high although there was a marked impormement in 18 98 mi all forms of veneral chairse. In Barbadres the ratios are

nearly double those in Jamaica. This is probably due to the fact that Boarbadas is more densely propulated than Jamaica. The West Indies were formerly under the acts' but renercal prevalence increased notwithstanding legislation. I have no personal knowledge of the Islands, but thonk it for table that there would be great difficulties in enforcing the acts efficiently on account of the large propulation of negroes and the consequent difficulty in restraining clambestone prostitution. The I shands are also in constant Communication with the South and Central american ports where nevereal diseases are notoriously common and syphilis both prevelent and of visulent type . T Under such conditions matters should te left to the local Jovenments and special attention paid to the moral and physical training and instruction of the man. West africa

West Africa.

The statistics with regard to British troops in West africa deal with such a small thought that no ment is necessary and no lesson can be leaset fronten. + So I am informed by a nevel medical office who know

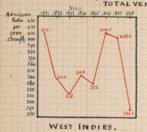
SOUTH AFRICA.

South Africa (milwing Cape Colony, Natal and Saint Helena).

In our South african Colonies

we have to deal with a larger Thereth. CHART showing RISE and FALL in Admission Ratios per 1000 strength, in our

Army in the COLONIES . - 1891-189 8.
TOTAL VENEREAL DISEASES.



SOUTH AFRICA Cope Colons

1912 1843 1894 1845 A16 1897

MAURITIUS .-

CHINA and Straits Settlements:

of santary pouce men a new Contegins diseines act was brought into force in Cape Form. This is still in

Nest Africa.

The act and with onch a small strength that so comment is necessary and no leaves former by a hard motival of frie who have former to the control of the cont

South Africa (milnoning Cape Colony,

In our South african Colonies we have to deal with a larger theight of British Troops. In 1898, there were 8,313 men in Cape Colony, matal, and St. Itelena. It is unnecessary to discuss the conditions of life, population, or, There for owing to the War everyone is an fait with These facts concerning the Colonier. There have been great variations in the prevalence of henereal chaines amongst the troops since 1860. The total General ratios was from 56 per 1000 to 365 per 1000 in 8 years, Hern flutherted a good deal until 1891 since when there has been a stendy vise from 191 per 1000; to 284 per 1,000 in 18 95. Since 18 95 there has been a constant, marked, and reprir fall to 1357 per 1,000 in 1898. There were many different Contagnin Diseases acts between 1868 and 1885°, Hen followed a period of absence of sanitary police measures, until, in 1889 a new Contegins Diseases art was brought into force in Cape Form. This is still in

Cape Town

force. a study of the a.m. D. Reports Show that the decline in prevalence of tenercul disease in South africa during the lost three years or so was solely one to the decrement prevalence in Cape Colony. I 1898 these was however also a decreese in natal. In an admirable paper, in the army medical Deft Report for 1897, Sing. Capot. T. Boronning, (now major, R. aml.) shows beyond all contradiction that the new C. D. act is Cape Tom has produced a most market improvement. The total benereal ratio per 1,000 for admirains in 1868, before the act, was 828, for to In 1889 when the act came into force it fells to about 340 per 1,000, we to just under 450 per 1000 i 1895 and los since the fallon to 276 per 1000 - 1898. The Combined primary and secondary admission retis fell from 380 per 1000 in 1888, next year to 200 per 1,000 and to 216 der 1,000 in 1897, and 142 per 1,000 in 1898. The secondary Syphilis ratio fell from 20 9 de 1,000 in 1888 to 54 per 1,000 in 1889 and to 27 per 1,000 in 1896. It has risen somie 1896 to 76 in 1898. Major Browning also shows an improvement in general

Cape Colony, 1889.

health of the troops in Cape Form since the C.D. ACT (Women's) act of 1889 is a severe one. It compeles the prostitute to attend at stated intervals for medical inspection and enforces their segregation in Lock Hospitales if forms diseased. It is only in force in certain proclaimed areas, mostly either famin a seaport towns. The Revisions majortray also have powers to oblige sufferers from reneval disease, other then prostitutes, to place themselves mader medical treatment. The penalties under the art are heavy fries and infrisonment in good. The Cape Colony then is working well and has brought about a diminished prevalence of veneral disease. It has had to content against an inverse in the number of protestate, mostly freign, who were expelled from Johanneshing by the Transview Government The act might be extended with great advantage to nature and St. Helena. no further measures, other than there of purely militing character, are Therefore indicates in Cape Colony.

Major Browning also shows a remerkable parallelism in renereal prevalence in Robilsham District and Cope For dring paralle state and my mot writer the arti-

Mauritius

The garrison of Mamittins is a very small one, in 1898, only 823 man, a larger number than usual. (Decamie arrays is only 580 man). No C. D. acts have ever hear in from in the island. As much in a small garrison, veneral prevalence has fluctuated a sood deal from year to year. at one time as high in admission ratios per 1,000 strength, all seneral drienes, so 353 der 1,000, it had come from to 145 per for by 1891, after while it was fail Startly to 269 per 1000 in 1897. 2 1898 it fell to 228.4 per 1,000. The decline has fear i all forms of the disease. The gramme rise may have been due to tone extent, to increased communication with India by the importation of cooly labore and of native regiments. It is also one of the stations of our East hadion Synastron. China and the Straits Settlements.

Mauritius.

CHINA and STRAITS SETTLE

The gamain of Horghong and Singapore we very much of the same strength, 3,000 man in both statume. Two of the greatest ports in the world_a greater

tourage of Shippoing goes into Singapore yearly Han in to London - on The great highing to the for bast, both places are Thickly propulated by oriental and mixed races, Chinese, malays, Japanese, Philippinos, and Europeans. We would Therefore expert a high prevalence of vancreal diseases in both places. For many years however the rates of prevalence were compourating low. These stations have been a great progle to opponents of the C. D. arts while were formerly in force. Under These the ratio of admissions for total Veneral disease fell from 2.15 per 1000 to 189 per 1000. The upone of the anti 1889 led to an immediate inceres prevalence. Total revered ratio rose in one year to 360 per 1,000 par since How there has been some fluctuation but He ratio has never fallen to what it was when under the art. The small that shows a curre like He letter S, the lower come trushing 362 per 1000, and 369 per 1,000 is 1892 and 1893 Whilet the offer come went as high as 508 pos. 1000, Es when the 518 per 1,000 in 1895, 1896 511 per 1,000 in 1895, 1896

2 1898 it fell to 481 per 1000. It will he with that the ratios from 1895 to 1897 have been very very the same as those in Inori. The rimes increme in those years was an increase in every from of nenerce duine, and chiefly due to It orghong where the prevalence of these diseases became so Sreet that it was officially stated that a permanent increase in the medical and hopital establishment would som herme necessary on this account. In the Streets He wise did not orem the ratios remaining below the decernist averages. It is obvious that remedial neasures towards preventin are ingently needed in these colonies. The Eur Ini Continuent act & Regulations as mor onforces in India would brutsky act equally well in the Colonies and Should at any rate he triet.

CEYLON.

men, very much the same as Imporpose.

Syphistic is generally very mild in Ceryton.

Ote total reneral retail of admissions bet 1,000 shorp remations from year to year.

Ceylon.

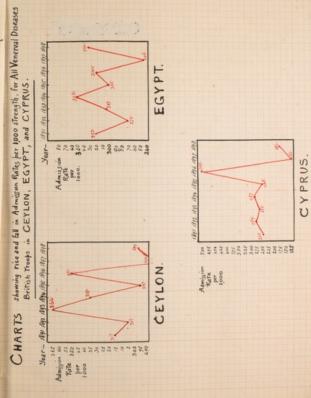
This is very would in stations with a Small granion and is due layely to changes of regiments. a regiment from a highly inferter area introduces a high prevalence is the garrison whilest a regiment from home brings down the prevalence. Most of the discers is contracted chiefly at Colombo, one of the great ports of the world, while it is Trinevalue, a miet port out of the main lines of traffect meneral presentence is low. The a. m. D. Report for 1898 informs us that "Repos are being taken to mitroduce the India Continuent Regulating The but raine and other conditions from the proposal and we may look formed to a decline in the dreine thout they be adopted.

EGYPT.

EGYPT.

Egypt is not get a British
Colony, but we heep there in army of
beenpation numbering just muder 5,000
men. Veneral disease his always hear
very rife in the mile Valley from the
row rife in the mile Valley from the
Sondan to Rosette. Egypt present a
conglimeration of Grentile, Somi orientee, afform

and European races. It has never been mude the C. D. acts and probably oming to religious and other difficulties they are minitable to the Country. Veneral Burelova flustrates sharply year by year but within limits as my small chart shows and the admission ratios are very high. Veneral diseases are more prevalent amongst the troops in alexandera than in Cario, In Egypt legislation will probably be of dittle effect owing to mixed propolation, the opposition of the mehomodous, and the furtire opposition of our European confriences. Medical men too are mmerous, of all closes of qualifricting Creeds and nationalities so that madrice certificates would fourbably be casy for any infected person to get mi thus offerse official interferences. Placing infacted ares out of bounds" has been found to be of sors effect as for is the troops are Concernes. at other places a sanitary Condon at night was found of make. a little fraction fromt while might usefully be employed executive, as in India,



was forme effectual up the mile This! was to paint a red cross on the down of any brothel where disease prostitutes here known to reside. Syphilis is very rife and virulent in Egypt so that action by the authorities is necessary but what artin is most suitable is very hard today, It must be left for there is the spor to decide, but, general measures of prevention, such as, instrustin in personal hygrene, military discipling newwes, as, should be applied to the solviero in addition Cyprus. The farmin is very small and henever diseased are very prevelent morph The general potentation. There was an extraordining rise in drevalence in 1896, hor it was followed by a great fall. The garrism is so very small that the statistics go for very little. The Colonies Jenerally. Cur smaller colonies, that is small is regards strength of Surviva, bing out a point in veneral prevalence which is also applicable to the reneved bu

in status at Home, in India and elsewhere. and that is the regimental prevalence of venereal. Regiments differ greatly in their numbers of admission to hospital for severent. This is largely at the time effect of tradition. If you trave some regiment through the years, from place to place, you will find them always associated with a high prevalence of veneral disease and whenever should a regiment goes to a new Station, or a small colony, the frenered drevelore in that status a colony increases in arment. We cometerty find medical offices stating in the A.M.D. Reports that a rise in admissions for renerest was one to the arrive of a certain regiment in the Status or colony. The A.M.D. Reports do not now give us any regimental statustics. Such statuties would be of value because they wonth direct attention to those regiments affected greatly with wented disease. a regiment would from get annoyed at being Considered the worst regiment in the army (or Command) for venercal and both officers and mon would of themselves Take the to remove .

The reprosed from their corps.

Inspector General Lawron, so long ago as 1875 + and again in 1879; trought out this print. He states that at alcurrent in a Regiment the ratio of admissions for Veneral Diseases was 23 per 1,000, in another 42 per 1,000, and in a third in a third in a fourth 124 per 1,000. It is debution was that these were conditions at work of which he have been conditions at work of which he have been to the character of the men and the Traditional habits of the regiment.

he adopted for the prevention of Heneral discises in one gamy in the Colonies, we should adopt the as regards the bothing no matter where he is statuned, but measures; affecting portlin women must necessify wary according to the borat conditions wary according to the borat conditions wary according to the borat conditions which obtain in each colony. Where which obtain in each colony. Where continuent Regulations are generally indicated. In our dell foreing colonies, the institution of legislative measures should be left to the local foreinment. + Special tepre mains chimquist brief, spail 13,1075.

The Results of the Prevalence of Veneral Diseases in our army.

I have dealt rather fully with the prevalence of Veneral Disenses in on ling, at Home and abroad. It will not be out of place to divines briefly The results of this prevalence upon the army itself in peace and in war and its ultimate results on the Natron . Speaking generally, there is a greater prevalence of veneral diseases in the any in times of peace than when the troops are on active Service. In time of peace

No. of Men Constantly large numbers of men are constantly such

in hospital for nenereal. The number vary in different stations. Thus, in India, in 1898, 2,202 men were constants inefficient from this cause; in 1897, nearly

3,000. at Home, the contantly sick with broad membered in 1898, 1,129 men, in Chine, nearly 6 per cent of the garrison. I fee

compare the constantly onit ratios for all diseases with those coop for renereal odisenses we get a table such as the following, for the year 1898.

Station.	Constantly Sick ratios per 1000.	
	All diseases.	Veneraal Disases.
United Kingdom	37.84	11.77
Cibrolton	56.74	28.42
mila	53.12	11.54
Egypt a Cypus	83.75	23.52
South africe	56.50	14.42
Chris	112.10	59.85
Strait Settlement	76.46	34.97
India.	90.75	33.77.

Proportion of Man Speaking singley therefore we may day that in Hospital admitted from mehalf to one quarter of those for Venerez Disease

constantly with in the army are soil with weneved. I om large Indian army over of of the constants sich me sill with nonevert, in Sibrolton, one half. We can estimite Therefore the great loss of efficiency in the army one to this come The rate - payer can also colimite that Expense in Military from one quarter to one half the working expenses of our military hospitals in some different thating would be saved if Hore were no veneral chicases, and this Som, a large one, would be available for improving the afficiency of the army is other ways.

An Increase in Hospitals due to this cause.

In Time of Peace .-

The Resultant Deterioration of the Soldier.

Effect on Recruiting of Army.

Loss of Military Training due to Absence in Hospital with Venereal.

an increased prevalence of vaneral disease is our army is on in Moral Character index of a deterioration in moral character. It has an effect in presenting a good class of recruits from enlisting. We have mot get tapped the hast somes, physically and morally, for recruits - on mobile classes. Our middle classes still regard the soldier as a low character, and the witespread-Surveye of the prevalence of reverent disease in our army deters many a respectable man from enlisting. He does not care to associate with a men of presumably low moral character. The number of men Constantly sich is Roopital with renevel disease frequently interfered with the military training of a regiment. In my present station at the present time 28 men in hospital with beneral and 5 men attenting out of a straight of from companion go through their course of musketry. Thirty men out of from companies missed Their field training last year on this account. It is common Filh that me muter character is this regiment wh done a grand for 3 years on ac

of being nearly always in hospital romally with renereal chroise. He has strent 937 days in hospital in his seven years service, and most of this time is hospital has been during his town of Indian horvice.

In Time of War.

The Tirak Expedition

It is, however, in time of war that The evil results of the Prevalence of Venercal Diseases in Our army become fully evident. In the medical Report on the Trial Experition he read " a right medical impertion for noverent disease revealed of 69 cares among the 21, 683 European Tropo who processed on Service in 1897-98, and 484 broke down during the comparing from these discours. During this Compagn 2 British Officers and 541 men were admitted to hospital suffering from neveral disease. amongst the nature triops 235 were admitted and amongst the followers 287. This makes a grant total of 1,065 admissions or an admission ratio of 28.7 per 1,000 strength. Veneral dreises come fifth on the hit of frequency of diseases admitted to hospital during the exposition. Commohat wounds only numbered 948 armiseins, with 99 deaths. That is to Say the cases of renever exceeded the core

The Mutiny .

of grands wounds by 119. and this was in a country where the opportunities of Contracting veneral disease were practicilly about. Singeon general Some, compare the mindence of nerveal disease amongor Bontiet Twops in the Toral Expedition with the incidence of those reserves in the new army in Bengal in He Muting year, 1858. The muting men game on armisem ratio of 270.6 per 1000. The Explicit Arebies in Trick gave an admission retis of 65.4 per 1,000. In Bengal the dopulation was derse and women were plentiful and accessible. In Tiral, the work were enemies and had flet to places of conceilment amongst the hills so that the only woman with the solviers were a few prostriutes who followed the army during the contin part of the Compagn. It is probable that lack of opportunity has more to say to the boser developer in Terial the muting, then lack of virility or a higher standard of swealty. Suy. Major General J. B. Hamilton Suakim 1885. (A.M.S., R.P.) tallo 44 (in the R. U.S. 1. Reports 1897) that when the 5th Lancers left Dublin for

Surakim in 1885, they were examined for nevered disease has before reaching Suez there were 30 cases of renered discover (about & the theight), and states that as a fact from 7 to 8 per cars of the Regiment from this cause herer saw the

Soudan 1898.

In the Rile Expedition of 1898, after a rigid foreliminary inspection, 121 men were admitted to horpital on account of Veneral disease during the 9 months Compaign. This was out of a strength of 3,651.

During the Trial War, I was at Rawal Pindi , in charge of the Section hospital for benereal patients for a fortnegle, and at the Base Hospital of the Expedition during the whole paired of its existence an Init Regiment had been sent lack to Rowal Pindi in the early part of the war laring broken down from sickness and other causes. I am unable to give the actual figures, but certainly the Section Hospital for neneral patients numbered amongst its patients a very large member of mon of this Regiment. The hospital contained 112 patients belonging to the above regiment, the two regiments of the

on Service.

Reserve Brigade and a few from the real garrison. I was , at the time, greatly struck Cases of enlarged by the number of non with anlarges inquince Inquired Glands glands. In a great number of these cases the noncreal discuse from which they had originated had occurred and been treated months before and I could only conclude that these cases were one to the effects of marching acting upon mon who had been in hospital with veneral disease a short time before proceeding in service. Gree on Somice such men do not at once fall sich but struggle on until some imusual other or increased hand ship causes Them to snothenly break down. There were also cores of Secondary Syphilis and I noticed, both here and afternoon's at the Buse Hospital, that the hardships inherent to active dervice appeared to prediffere to an early and severe outbruk of the secondary forms of Syphilis. I remember, one fine, well built, young soldier who lad her sent som from the front to the Base Hospital Suffering from senere 6km

on Service.

the Blood?

emptions, and with ulcerations of the month, throat, and palate. He was finally invalided to & ngland. The debilitating Coses of Rupio effects of artire Service also appear to predispose to the onthreak of the ruforal forms of syphilides. Syphilis and Syphilis produces flood deterioration Blood Deterioration certainly a diminution of the sed blood compacted. Does it diminut the Effect of Syphilis congrelability of the blood? If it does, on Congulation of a man suffering from Syphilis in its constitutional from is more likely hille to severe humonhage if wounded than a men in normal levett. I made ten experiments on beginner in haspital extemporary offering from Secondary Syphilis, using further Themometris) and on the line of Professon Wright's method and wang my own flood as control. My on blood and that of me petent in the enty stage of the disease took the same time to conquelett, the blood of all the other cases took tops to congrelate, four took from 25 to 30 Seconds longer, two only 10 seconds longer, but the remaining main's blood took 2 minutes longer to congulate and the cht was not a

Early onset of Secondary Syphilis m Service

Syphilis Retards the healing of Wounds Cases.

I know, from my personal observation of several cases, that Constitutional syphilis, although no symptoms may be present at the time, does retart the healing of wounds. At the Base Hospital of the Tirch Force, at Ravel Pindi, Major Philson, R. a. n. E., had under his care an officer of a British Infantry Regiment, who has been shot through The muscles of the thigh, at Saran Sar. There was apparently no reason why the wound should suppomate so freely, the Xrays revealed the presence of no bullet or ophica of one , and no injury to lone , and anticepsis was rigidly carried out. The case want on from had to worse, there was much force of Lectic type (usually up to 105° F. every evening), with profuse sweatings, and pow stringly infeltrated the whole thigh. Openings, and Counter openings, were made, but the case did not improve, and, it was ultimately femal that the officer would sweement to the severe drain on his system. On enging into the officers medical history

These few experiments are however of no walne because all the cases were wells under the influence of mercury and most of Hom (5) were subject to malaria according to mitchell Brune and other writing on the physiological effects of metany, that drug interes improverishment of the blood, and, inser there circumstances the flood is more watery and congrelates less firmly. In one therefore to properly test He effects of syphilis on the congressiting of the blood it would be necessary to test the blood of men suffering from Secondary syphilis who had had no merrany given to them and who were free from other flood - degenerating diseases. Personally I do not consider it would be justifiable to leave a core of secondary syphilis instructed in order to clear up the point, and, since every man gets syphilis in the army is given mereny, I have no opportunity of properly testing the cases without propert of evror. In civil life , however , it occasionally happens that patients seek radrice who have to secondary Syphilis and have never had mercury and experiments

elicited the fact that the patient had had syphilis some sighteen months before. Mercuny was at once administered, and continued, with the happy result that all Suppomention had practically ceased and the fever but left him is a fortright and the externel wounds were healing when the Officer left for England. I saw tus other ares, both wounded soldiers where the administration of mercury produced similar effects in lastering the healing of wounds which were showing no progress towerds recovery. Verneuil and Delpech, the eminent French surgeons, both insist that syphilis prevents the proper healing of wound after operation, and my own experience leads me to support Their opinion. These surgeons recommend a course of mercury previous to operation in syptilities. In the case of the officer above related the art ministration of mercury smored The necessity for any operation. A writer on "The Fallowiss of the Faculty", enting in the "Thirties", Says, "The greater number of the disenses

Manifestations of Syphilis following the hardships of Active Service.

" that made their appearance day "during the Rangoon War could the subjects of them have been transported to a London Hospital, would, I am certain, have been termed and trutes as syphilis. In the General Hospitals of Inoria after that war, you might have seen every kind of relicer of the Throat and palate, every emption of ohis and obsciose of love, that were even supposed to be the exclusive production of the Veneral poison; and, of what were these the offspring? - depresed food, Landwork, and much exporme." The writer did not believe in the existence of syphilis as a district disease, but his descriptions leave little doubt in my own mind that the cases he mentions here, in fact, syphilis and that the "depraced food, hard work, and much expresse " of the Campaga hat trought about a same manifestation of the syphilitic diseases. It has always hear the teaching of the Dublin mercial school

that parts of the long mot exposed to

riging, however slight, are more leable to

Syphilis after Injury.

tertiny deposits in the ingines parts than elsewhere. This was a point strongly insisted upon by the lite John Kellock Barton , of bublic who was for many years the leading Irish anthority or Sypohilis, to whose teaching I am indebted for many practical brints in The treatment of Syphilis. Most English works on Syphilis however do not make any reference to this determining factor in the site of grunnetons deposit. Contriental writers generally consider injury a prominent pechoposing factor when texting syphilitic deposits are concerned. Mrazek, the Kiennese author of a recent work on Syphilis supports This primion. Lancercano Says, "Fraumatism is one of the causes which chiefly serve to fix the seat of the anatomical determination of syphilis." Victor considers injury a determining factor in the production of syphilitic diseases of the hier; and I was once present it a Post morten Examination where grummetous deposits and were found in the anterior part of the liver in a man who had been struck in the lepatri regim by the shaft of a cab, whilet trying to stop a menaway horse, three months

before his death. Guillemin, a French Ingen, has bointed out that shight myny in a person of syphilitic history may give rise to ulceration which will not giels to treatment until anti-syphilitie medication is adopted. Swedien stated that syphilis render the bones more huttle and more lieble to fracture and other surgers support his frimin. He gave a case in which a fracture of the ly refused to unite after mine week's treatment. The patient was put on specific antique oxphilitie treatment and union followed in ohne course. a contany and a half ago Inverney pointed out the greate meiterce of expectores upon the bones cituates superficially and attributed this greater incidence to the fact that these bones are more hitle to contusins and other ingines. In the army it is not unusual to find foot fall players coming to hospital with late secondary a tertiary ulcerations of the leg not confined to the skin over the bony parts but, as in a case now under my care affecting the soften trainer once the cell of the leg. Syphilitie home done

Cases.

particularly attacks the superficial trues hearly every surgern can recall cases where this sequence of events has occurred. I once had a bring man under treatment for notular thickening of the persontene of the ulner bone. He was in the habit, as boxen do, of warding off blows with This part of the forearm. The onlargement caused on minere of me inch in the commence of the forearm. Whose Treatment ty mercurie munction, with Indido of Potrasium internally and plenty of water, he rapidly recovered. During the Bombay Rives of 1898, a Sergent of the Shopolice Light Infantry was stronged by a thou on The mose from a lethir (quarter staff). The more was cut and broken but healed rapidly Sise months later however he came under my care with well marked sympotoms of gummatris deposit followed by necrosis of the septim ness and moral bones, and he was finally invalided to brighens for Secondary Syphilis Cases such as these lead one to think that injuries in syphilitie subjects are

certainly more likely to be followed by serious results, other things being even, then in other people; and, since injuries are more likely to occur active service than in time of place it is probable that syphilitic subjects in war-time suffer more severely from the results of injuries received than is the care with Those free from all syphilitis tains In august, 1900, I had conter my care eight cases of orlayed and inflance inguine glands. Each of these patients had been under my care from two to soi months before suffering from soft chance. Why stouts these coses have all orcured at the same time? I consider that this was the result of the annual route merchig which commoned about 10 days before the man come to hospital. None of them had fresh menered ones or any abreasins about the penis or abrasins a wounds of the feet and or less. What concernity orcurs in such cases as there is that the veneral virus, furterial or otherwise, remains lateur in the nigninal glands until reawakened by immunal ottain or muscular effort on the

Syphilis and

on the part of the patient. From these men might very well have been on active service they would certainly have been passed fit as the preliminary medical inspection and they would as certainly have broken down on service after two or three days overching In all the British Campaigns

Hospital Phagedona. prin to 1882, the scruge of the military hospitals or service has been the outbreak of hospital a phasedomic gangrene. In the Crimes, in the muting, in the Penniales, on troops suffered greatly from this territe disease. It is our duty therefore as military medical officers to take measures to prevent such an occurrence again in our hospitals on service in war. Now Jonathan Hutchison, som, a careful observer, and our greatest English authority or Syphilis deliberately states as his opinion. " Syphilitic inflammations of all kinds and stall stages, whether primary, Secondary, or tertiary, are liable to take on "phagedoorie action." "The disease known as Hospital Phagedoena, while may spread through a hospital, attacking all operation

wounds and other wounds, is, I believe, almost always set going by the admission of a case of syphilitie phages and mits "He wards." In his Commentaries, he gues to my mind conclusive proof of the connection between syphilitic phagedone and hospital gangrane. On active service a solvier with a syphilitic history gets debilitates from last work, has foot, has senitation and exposure to weather, and, it is not surprising if, under these conditions, the Syphilis lying latent in him again shows itself. The same conditions, as the medical history of the Pennisaler War tells us, also pre dispose to exphilitis physetone. This man than , taken into the Field or the Base Hospital, may originate an outbreak of hospital Sangrane amongst the o wounded with results terrible to contemplate.

Prevalence of Syphilis in Army constitutes a dangertothe general propolation

Does the prevalence of Syphilis in the army constitute a danger to the general population? Yes, manmach as the solvier may inject many women outside the army and these women inject civilians and so on in a vicious circle. We must remember

Congenital

Syphilis . -

however that There are many authorities who regard sighted in the army as part and dorect of the reverest disease in the population and Consider the prevalence of renerest diseise in the army an index of the amount in the general population. I have already other that this opinion is probably fallacins when applies to the British army, for that army dues not proportionally represent all the classes of the civil community. The danger to the civil community has probably hear greatly overected. The soldier when he leaves the army, if he has ever had syphilis has got over the infective stage of the disease. Armalis as a rule are in the late secondary Stage (tertiay) and are protebly comes before leaving nettey. With regard to Confinitate syptiles, the proposation of exphilitie chibren by soldiers - I am comment that this danger is not to great as is generally supposed. During The last six years, I have, at my different stations, here in charge of the momen and children. I have, during that period, only Seen five cases of women affected with Syphilis in the formery stage and one in the

Syphilis in the 3rd generation?

two children and the case of princy syphilis were in England, the renainder in India. Jullien , of Paris , and Tarnowsky , of 84 Petersburgh, have recently bomblished 92, and 25 cases, of respectively, of syphilis in the third generation, but, since they do mot prove that the second generation was free from acquired eyphilis, their cores can hardly be considered comming. There is, as for as I know, no recorded case of an imported case of congenital syphilis being carrier on to the Thirt generation. In 1898, there were only 8 women under acquired a congenital treatment for secondary Syphilis and one for gonorchoen out of 11, 824 home on the married strength of the Home army, There were only 16 admissions (with 6 deaths) for confinital Sypohilis amongst their 21,641 children amount the home or the manual straight of the Indian army, in the same year, the admission were perpetitively higher in proportion to the straight, but, even them, only amount to 3.2 per 1,000 strength. all with soundary syphilis. Galy 4 out of Their 5.592

priving, and have only seen Three children suffering from congenital sypohilis. Of these

Venereal Disease amongst Women & children inthe Army. Congenital Syphilis amongst Army Children compared with that amongst children in Civil' Childrens' Hospitals.

Syphilitic Men do not necessarily propagate Syphilitic Children .-

Children were under treatment for Congental syphilis. It is evident therefore that There is very little veneral dissine amongst the women and children in the army. In civil life, in the Children's Hospitals at home, out of 180, 000 children in huspital, one in 124 mad admitted, in 1895, suffering from Conquital syphilis . I The Horne and morin armijo, in 1898, out of 15,346 sick children, only one in every 767 un trented for songenital syphilis (2) appems perhable Therefore that there is less chance of a child in the army getting comparite Syptilis than there is of a child in the Civil Community.) Fourmer, (quoted in Bartist married Journal "1870) found no traves of Congenital discover on examining The 156 children of 87 men known whe syphilitic. 6the Surgeons give similar testuring. It is evident theefore that the great caportal made out of the cry for the portection of fortune generations from + according to D. Brilbert Roms, is an andrews tope R" Intermediate Patentin of Mathematical Patentin of the Abolition of State Republic of 1890

little formation on fast. That is, if Statistics are worth anything at all so faces for argument. The fact is me have me proof of the result of the letting boose of to many discharged and time expired soldrers annually amongst the general proponentini. We may be told, with harrowing details, the awful results of the return of the solvier to his people, after having oveneral discove when in the army, but it has get to be proved that such results do occur. The statution Statistics Showing of the breadone of syphilis and other Extent of Prevalance remercal disenses amongst outs general population are practically own-existent. We may say there are no collected Statistics other than the mortality returns of the Registran Joneral. Gre of the Universities has recently epoprached Government to Take adventage of the Consus next year to obtain from medical man (and hospitals) figures as to the amount of syphilis is the propoletini. If the notification act (Contagnia disina), wichiled nonered disinse a great deal of meful knowledge as to the

The need for of Venereal Disease amongst Civil Population!

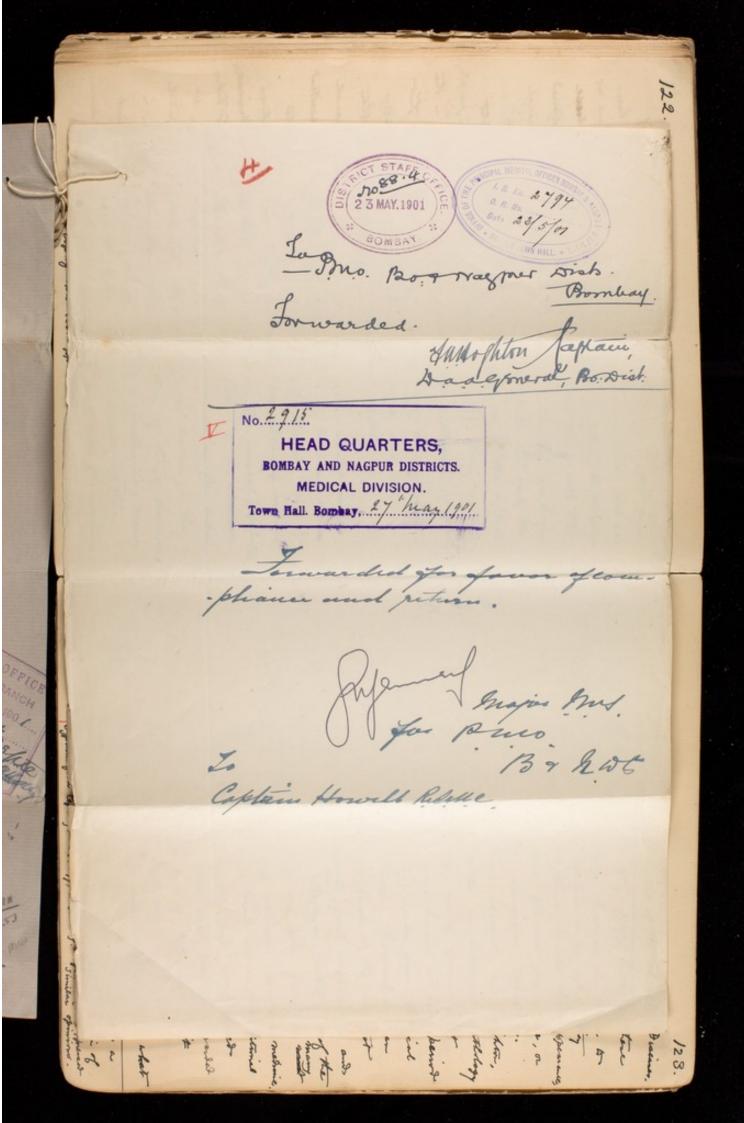
prevalence of reversel dosine in the civil community world become arrainable and we should have a people basis on which to comprise the Verence prevalence in the army with their in the general propolation. Until we have bases for companion we shall be only too aft to make statements, as to the effects of reversel prevalence in the army in the general propolation, the outcome of our had one was a another, or of our impressions, not, as they should be, bound whom the eternal foundations of truth.

fully with prevalence of veneral driens in one army, at home and abroad, and have high indicated the ultimate results of that prevalence upon the foresal population, The prevalence upon the foresal population, of that prevalence upon the foresal population, and the decirability for action, in the direction of prevention of these discipances in our army. After a preliminary enging in the He History and hoterate thirty of these discipances, I propose to deal with the menances of prophylogical lest applicable to one army.

Eccount of the Veneral Discuss. . other of the testing of these very because me desire to unstances under which they at times made Their appeara heir greatest prevalence, or en maximum virulance. taken, Hurich, and Breighton, Contra on Ristorial pathology ogy, are of opinion that were known at every benot istory, even from biblical , times. Convertice can ared back to the remotest ignity, and descriptions and to ulcerous conditions of the rans are to be found in many (and mediaval) works on medicine so a bral and a constitutional in early times confounded and early writers regarded out of leprocy # of it , probably in a mile or , perhaps differing from what

-58 Here appeared at Hamburg a Chilin by Friest. alex. Somon which minitaris the origin of Sophilis from Capring. In 1897, the jale tog. Pringle, MP. (MS) expected sophilis from Capring. In 1897, the jale tog. Pringle, Months.

Army Head-Quarters, India, Medical Division; Medical Department Simla, the/0 May 1901. Memorandum, Forwarded for transmission Captain H. A. L. Howell, Royal Army Medical Corps, with a request that that officer be asked to kindly furnish this office with a copy of the Essay in question. By order, Surgeon-General, A.M.S., P.M.O., H.M's Forces in India. The Lieutenant-General, Commanding the Forces, Bombay. Sorwarded. Please direct Captain Howill RAM.C. office a copy of the Essay in question Surgeon Goul



providence of Community in shorts have as the 'Veneral' pre in the general; bases for comps aft to make of reneral pre general propul had one way or not, as they sho eternal found

fully with he is on any, as have briefly in of that preval . The preval observant, for and the dear direction of in our army. In to the shitmy diseases, I for apparent of prophylicis test apparent of prophylicis test apparent

Historical account of the Venercal Discuss.

drawines to necessary because me derice to bearn the cricumstances under which they lave at different times made their expension lave attained their greatest prevalence, or have shown their maximum virulence.

Hasen, Husel, and Breighten, the greatest auxforition on historical postbology and epidemiology, are of opinion that renerent discuses were known at every perior of the world's history, even from biblish and mythical times. Committee can certainly he traced back to the remotest periods of antiquity, and descriptions and references to to ulcerous conditions of the generative organs are to be found in many of the ancient (and medieval) works on medicine Syphilis, both as a bral and a constitutional observe was in early times confounded with leprosy and early writers regarded it as developing out of leprosey + of it exister, it was probably in a mile or modified form, parties differing from what

As late as 1857-58 there appeared at Hamburg a book by Friet. alex. Somon which minitaris the origin of Sophilis from Capray. In 1897, Brigale by Pringle, ND (1885) appeared.

we mon observe, and probably the early writers did not regognise of the definite relationship of the secondary sherromena to the primary one. at any rule, Syptilis first attracted public attention, in Europe, in the latter half of the 15th Century, when it appeared in a windert spidemic form and swept over Europe, Many writers have stated that book formerheer and Sypohilis originated at This time in Europe, certainly the birt accounte description of gonorhoes opposes in 1551, when Brasewoli's trestise "de morbo Ballies" was published. Gonorheen knower is british the contagning drawing referred to in Laviticus (Ch. XV) where moses engines the isolation of the sufferer and the practice of frequent washings. It was also know amonger the arms, and, in England from early times, a dreisse known as the brings + your hoer. In 1370, John awen, who was , by the way , an army singer, on the staff of the Black Prime as Cregy, made the first higher arte in I monther, for he describes "Calor interior cam ex conatine wether " under the name of

"l'asque". another English songern, Seocorgne. write in the 15th Century - " Cognori dwine vivos, qui mortire fuerunt ex protrefactione membrorum surum genitalium, et corporis Smi, quae corruptio, et portrefactio, ut sper diacrunt, canddata fint per exercition copular carnalis cum mulieribus." The fifteenth century, was, on the continent, a century of licence and debanchery. The frequent wars, coordinated with the movements of large bodies of mercenary twops, tigether with the general lack of hygrene amount the propolation les to the great outlier of syphilis in epidemic from which snept over the whole of southern and western Europe and laster as an exidence for a century This epidemic was also associated with an inversed prevalence of gomorhoun, indest, for centuries, all the renerest disorders were regarded as me and the same driene arising from the same cause. It was it the time believed that the discuse had han intersued from America, a behilf very Jereral until within recent years. Monto, + an army physician, writing in 1780, gives a good description of the 15th Century spidemic

"The Disense of Solviers", 2nd Evitin, 1780.

of which strick and Creighton write more fully. I gnote monro . -"Veneral disease does not appear to have heen known in Europe before the year 1494. when it is alleged to have been brought by the Spanian's from america." "The first European who suffered from renever disease of whom we have any records was one Peter margarit, a Cetalonian nobleman, who accompanie Columbus on his second voyage to america, and contracted the desease in Hispaniola, where Columbus first lander; and being sent home to Spain at the and of 1494 brought the diene with him. In 1495, John agnado was sent from the Court of Spain to try Columbus for some crimes laid to his charge in Hispanishe, He returned to Casing about the end of the Some your, with 200 solviers who had been in the West Indies for some time, all of whom were affected with this disorder. In 1496, when Charles VIII's (of France) troops were besieging Raples, it began to rage in both armies; and, as it was never known before in either tration, the French called it the heapolitan diseise; and The heappolitains called it by the name of the French; Though it is generally

felicies that the French got it from the Spanish and neapolitan women who frequently stole out of the city to their camp at might after the French returned from the seige they some spread the dreine, by their commerce with other nations, through Germany, Hollas. and the rest of Europe; and, so goid was its propers that it was raging in scotland in the year 1497. " Morno's account is fauly accurate, but Creighton produces evidence to show that The disine was in Southern France, Languedon, before the seize of haples, miles the French King is Enfoposed to have contracted the disine at Lyons, whiles on his way to Italy.
There is planty of distance to Show that The movement of troops in layer bodies in peace and war has frequently been followed by cuttons outbreaks of Syphilis and other veneral disorders among The general propolation with whom they have been quartered. Cromwell's invasion of Scotland was accordated with an outral of a disease called "tibbens", which is supposed to have been expelies of a severe type with frantoesia-like exauthers. This occurred as an endemic while reached its highest prevalence in the Southern Countries of Scotland in the missle of the 18th Century and cases of

which were described as late as 1840. The Aussian mornin of East Promise in the 18th Century was followed by a general Sprent of syphilis amongst the people of ther promise . (Metzger) The neighboring Rossian promies have some that time hear notes for a prevalence of a virulent type of the disease. The return of the smedial triotors to Smeden after the Seven years War, in 1762, was followed by an outbreak of sypolishis a similar result followed the return of the Smales from Finland in 1790. an miresser prevalence of sypohilis occurred in Asia min after the military operations there before the Crimian War. (Brillatin Ses Sciential) Syphilitic endemies also originates in Servia. ~ 1810, in Greece in 1820-25, and in the Danute promises in 1828-29, as a result of the events of wantare. a rombur endemie boke out in Illyria in 1850. while was said to have been introduced by returning sailors and solviers from the Turked War. Syphikis seems very prevalent amongst the British and Promerain troops which moreder France after Waterlos. In the Soutan, according to Slatin Parks, the france amount of the tribes under the maker

led to a visulent endemic of syphilis at Goodwormen and has operat over the while Sondon. Syphilis became much more common in algress and Junis after the French occupation. The Portuguese conveyed syphiles to the Philippines and the Molnecas in The sixteenth Century, and we find that it was introduced in 6 ccamia, here zerland and australia from Europe. by sailors as commerce extenses, and, even more, we find that there places further removed from the general stream of traffic have suffered least from the disease. Even more places like the Face Islands and Icland wying a comparative immunity from the disease.

The Geographical Distribution of Syphilis.

The geographical distribution of syphilic and the monercal diseases generally his been very fully dealt with by Hirsel and other writers. They may be considered to be of universal distribution over the whole globs, only a few isoloted tribes in unexplosed

or only partly explored territories being exempt. (I platter out on a map of the World the distribution of Syphilis + merling out as well as I could in different shades the different grades of sweety, and, from This map I draw the following conclusions.) Venereal discuss are more prevalent and more senere in places on the great highways of commercial truffice them clawhere. In senports, where many nations meet for commercial burgerses, renered prevalence is greater and more Severe there is smaller towns on the coast where They trude is less and the conges of nations less marked. The sensity of these discises is particularly marked where European Port Said, and alexandria, and Horghing treaty ports in Chine, are instanced. Syphilis is said to still prevail with 15th Century virulence on the stones of the Beltie. It prevails with less internityin the Centre of Europe. It is very prealest, but of mild type, in certical asia, India, China, as Japan are considered by Strail to be the original homes of Sypohita, itis; - Lancreme in Syphilis, and Hird on Geographica Fillips,

and the disease is very prevalent in these countries It is more prevalent in Southern Italy Those in The most. I the maintenance ports generally it is noted for its severity and frequency. The same many be said of the court of the adriatie. montenego suffers little. In the Indian archipologo it is common or the coasts but uncommon island bother Chine, Jonding, and Conam suffer from the disease in its most server forms. In africa it is apparently uncommon in the interior but very common in countries brusering the See. In the Sondan, Imbra, Darfue, and Kowlofan Syphilis is rife and servere, as well as in Timis, algienie and moveco. In horth america the prevalence resembles, that in Europe, the large trans and seaports suffering most. In comedon it was at one the epidemic but is not now so common. Mexico suffers greatly from Egyptilis in it serve form. I don't Americ, the coast generally suffers greatly. Inland it is not Socommon. To som up, where there is an applomeration of people not yet acclimations, on ser port towns or in large contres of commerce syphilis is severe, and, other things having equal, syphilis is least serve in places where prostitution is under con

is said to have never become prevalent in declary of Greenland, megalow (nor formstand), amongst the malayacy's (not the Horas) Hand according to disingstrue amount free blooder negrees in certain central district in africa. The malayongs are Also June Clorded negroes so their immunity and that if the african tribes mentioned by himpstone may be a racial one. The Greenlanders are Legumina and the Irelanders come of Scandinarian Stock, both of which peoples enffer greatly from opphilis clearhore. Their immunity may therefore he a local immunity, It is not a dinatic immunity for we find sypolules very prevalent in arctic asia, Alaska, and arctic moth america. according to ore Daniello and Corney (Sydenham Society - Sclacked Essay 1897) Syphilis is unknown amought the Figian natures The cridence given in support of this statement is

conclusive. The immunity is a racial one for

Europeans and But Indians in the Figi delands

suffer from Syphilis, and from There the Figians have had ample apportunities of contracting the doctors. Y and is very common in Figi and the

- Bornis ja archir. de Meserin Newsler 1870 p. Robert gover in Concession

+ Bornis in archive de Mesenin Newsler 10/10 monspellier 1873. # Dawnin "Sur la Typhilis à Rhennon". Monspellier 1873. 4" It seems incepable of permanence in any form or permanence of free african blood anywhere in the Carter of the Country." Simplime Travels donor 1887. Simplime Travels donor 1888.

Does immunity from Syphilis exist? -

Syphitis, although fremently introduced

against Syphilis But Syphilis yaws.

Yours protects opinion has been brought forward that This chains protests against syphilis. In support of this does not prevent is the statement that Syphilis has never been denous to follow yours but it has been bown to precede it. (I'm thatitinion felicies yours to be Syphilis modified or attend by Climate. Metrical man who have however som yours on the sport, do not agree with fim.)

Influence of altitude on Syphilis .-

Altitude Syphilis.

Two French Writers, Jullian and Rey, have attempted to Juve that high altitudes presispose to an increase swerity in the disease as compared to that on the pland. The chief, if not the only, support of their contention his in the fact that Syphilis is very severe on the high table-lands of abyssinia, armening, and mexico; beyond this there is no consience, and, even this secrety may he explained by the fact that these parts of the globe are not under proper medical superissim, the syphilitic person gets no proper heatment as to the disease mose its commeterupter conse Certainly in India altitude dues not appear to affect the serving or prevalence of ogphilis. + Wagner, in a German book of truel (Revie nach down arest, Stuttgart, 1848), says Syptilis is very mile as a mele in land main but arrows a more same type on the high tablelands of america.

In the Rumal Report of the Sanitary Commissions to the Eveniment of India, 1897, there is a table, which I copy here, which shows that altitude soon not affect syphilis in India.

Table showing admission ratios per 1000 according to groups of Statuno, arranged according to their keights above see Enel, excluding Consuborant deposts and places the altitude of which is unknown. Years 1895 to 1897.

| Delow | 100 and | 5:00 and | 1.500 and |

We cannot been upon this table any arguments in form of the theory that removal of a regiment from hills to plain, or nie resis, will affect the prevalence of sourced desires in that regiment in any way.

Climate and Venereal Disease.

With regard to the relationship between Climete and the prevalence and severity to yphilis and the other reserved obscients, many conflicting statements line ham make. Hersel, after carefully examining the evidence of momerous writers on Syphilis, concludes that he is unable to settify himself that chimate has any influence on the severity; or on the greater on Goo malignancy of the type of syphilis. Fergusan and Buthrie contended that change of chimate from a wolf to a hot one was one of the course of the

aggravation of type. Sugar. J. Merston (R.A.), in 1813, notes That there was an increase in the Severity of syphilis during the summer months at malta and Bibrellat. Syphilis is very meligiand in Southern Italy, Ambia, algren, India, Maleya, the & hinese Porto, Crahin China and West africa There is homener a series of data tending to show that Sypohilis Las a milder type and a shorter duration in warm and tropical climates. There data are based on observations from Italy, Egypt, the alyacine a littral, Timis, the West Indies, Peru, and the Coast of Mexico. Other writers say that Veneral disenses are more amenable to treatment in warm climates than in cold ones. L'agnesse, in his trectie on "La malatie Vénérienne "(Paris, 1812.), Speaks of This as being the generally accepted opinion of his time To gove him: - "La malatie veneriane exige (dans les pays d'une templicature plus chande) monis d'attention de la part du mésein et du melase que dans les autres. Tont le monde Sait on effet qu'aux antilles, et mone dons les provinces meritionales de l'Espape et de l'Italie, la guérison de la révoley s'opore par la sent effet des remides, sans qu'on doit astrent à des précentions et d'une régnie tres rigorem. Il parait que l'abontance et

+ In als books, vérole = Syphilis a pox. Lapetiti vérole = Small p

Hell writer

Altitude ->>

Veneccal
Admission
tatios
per toro >>
Errangia.

Climate .-

136.

cutaries contribuent faciles des bracuations cutaries contribuent feaucomp à ce résultat. En France, au contraire, et sontent dans les pays plus au novir, les choies se passent différenment on l'agreem consideres the treatment of syphilities in cols chimates requires the most rigin core in treatment for the shightest neglest on the part of patient or physicien reviews thes treatment illusory. He also considered that the discover which may have remines latent in a worm climate is agt to reappear or removal to a colo climate.

One feels justified therefore in arguing from these data that Chinate pass, does not in any way affect the malignamy

of the type of syphilis.

My own experience is confined to the United Kingdom and to moria and Burnah, and, pridging by my own cases, I do not consider the type of chainse in India more terms in India Them at home. In Dulling of home certainly seem worse cases of syphilis Them I have in India of the India of the owner precorrisis, that is the different owne precorrisis, that is the different others of the discusse appears more reportly after infertin than at home rand as a nothered corollary patients get over the whole

period of the disease in a storter time then at home, although the patient may spend more time in hospital in the years immediate, after infection in India than at home,

The Soil and Syphilis.

The very nature of the Veneral describes precludes any conception that soil would be likely to have an effect upopleir course or prevelence. These direises theme so well on one soil as another. There is no geological distribution another. There is no geological distribution

of these diseases. Syphilis and Race. -

I have already referred to one or two races which appear to enjoy immunity from Syphilis. With Here provide exceptions mo race is exempt from the docine. The item to very prevalent that Syphilis may fecome is aggrarated by transmission from one rare to aggrarated by transmission from one rare to another. M. Gauthier, in a book "Deuce another. M. Gauthier, in a book "Deuce another. M. Gauthier, in a book "Deuce another. (Chine).

(Paris. 1863), Jays: — If the renew the prison by drawing it at distant sources from subject of a different race, inhabiting a different hygiene, chimit, and submitted to a different hygiene, he shall immediately see the disease assume a surprising intensity, and leaving the most

Syphilist Race-

Soil -

Personal Opinion . -

insignificant become very serious." Gaustier bases this opinion on the fact that solviers and failors who land at the seaport troops in China and there contract the disease suffer from a more severe type of disease than the native Chinese do. There are however other influences at work , such as the detilitating effects of chimate, of malorie, - He lack of acclimation tion . He frequent intemperance, and so a. Fergusson regarded the transplantation of the virus from the mitigated disease of the native (Portuguese) to the foreigner, so one of the causes of the aggrarated type of syphilis annogot the British in Portugal. The some type of syphilis contracted in the large sen porto has often heen notes. Sea porto are the meeting places of nations. Herical, writer - "It has often been "alleged that syphilitic injection is of a particularly severe character and follows a very protracted course, when it is the segnel of sexual intercourse between people of different nationalities; but whether that he so, we have not facto enough "to generalize upon." The question is one of importance to no, for our soldiers in didre and elsewhere aboved, contract benered diserse from individuals of another race, and , if it he time that this is a factor in increasing the virulence of the discus, we should endearon to elucidate the point: We know in Barterilogy that if we desire to vicease (or dimined) the vivilence of the factorism of a disease obtained from a Certain animal he can in many motorres do so by "passage" through other more (or less) susceptible animals. Thus, rabies passed from dog to dog diminishes in visilence, but, if passed from dog to car or rabbit) increases in virulence. It is concerrable that a similar thing may occur when menereal disease, such as syphilis, is prosed from ruce to race, although we have no real proof that it is so. It is doubtful if it will be a be proved, for in order to so, it would be necessary to exclude all those other

+ A. Coymon - Truité des

suffuences, pre disposing, climatic, pathological, as, while may have a tearing on the sevenity or otherwise of the disease and even then these would always remain the individual factor to consider.

The influence of age on the prevalence and progress of Syphilis.

Syphilis may be acquired at any age, from the cravle to the grave man shows an importunate susceptibility to infection by this driene . Syphilis is however m common at some ages than at others. Eggenere took 158 consecutive cases of syphilis and found that they included, -Under 10 years of age one care (congental). Between ages of 10 and 20 years, 2 cares; Between ages of 20 and 30 years, 67 crees; Between ages of 30 and 40 years, 43 cores; Between ages of 40 and 50 years, 27 cmes; Between ages of 50 and 60 years, 11 cares; Between ages of 60 and 70 years, 2 cases. In other words early manhood, and mentood at its forme are the periods when acquired Syphilis is most frequent and this is what se should expect because in those periods men express minely most to contagin. With regard

to the progress of the disease when once contracted. age certainly influences the prognosis. Syphilis contracted in early life is more amenable to treatment and may in some cases be cured . Syphilis contracted in middle or late life is very aft to run a report comme and tertimis usually apopear early. The arterior and newco are also more likely to be affected and those patients are not so amenable to morequie treatment . + Mracek , The Vienness authority on Sypothilis, anyon "Very your, undereloped individuals, and children who have become infected with Syphilis, suffer more severely, as the tender, growing organism falls an easy prey to the ranges of the chieves." I have alrest, Shown that the greater number of men in on army are within the ages most frequently affected with syphilis; most of their bang in the groups period, under 30 years of age, of a man is going to get Syptilis this is the last time for him to contrast it for at this age there is greater prospert of care and treatment is of much value in fighting the durine. It is also evident that very going underelogical soldres thould not be expored to contegion ? Then can providly be helped, that is, they should not to sav to places where syphilis is common or virulant - article on Syphilis - Allelini Manual of Madricia, 19 4- Alle of Syphie & Vaccus Drives, all thete as polity a kinter, 1

Sex.

such as India or 6 home. There would doubtless be a great observable in the loss of efficiency in our army due to this ducine, if it were pressible for the authorities to keep away from India all soldiers under 24 years of age. In a Short Service System this is out bossible and the funcial difficulties in the way would also be too great.

The Influence of Sex.

Sea has no influence on the incidence of Syphilis a the Other veneral brainers. Men and women are expectly hitle to contract these discuss. Tewer women are affected with these discuss because women, from their training, have greater provides of self control in this respect them man. Nombre one also more inscriptible to proble opinion and also more in scapetable. The member of women who give themselves up to debauchery is infinitely less than that of mon.

The influence of Marriage. The influence of marriage is the
prevalence of sovered driene in on army has
already here fully dealt with cleenhere.
dancerence consider marriage may is a
syphilitie man client an outbreak of the
latest disease. Pregnamy is said to have a

Similar effect on syphilitie woman.

The Cauce of Syphilis and of the other Veneral Diserces: - Probably specific infertive miro-organisms.

Cause of Syphilis --Aspecific Infective Organism

Proofs -

No one at the present day doubts that a specific infective organism is the chief ethological factor in the genesis of Syphilis: He whole stirlogical and pathological hotory of the disease , its recomblances to diseases such as tuberele, glanders, and leprosy, known to be originated by bacteria. all compel this conclusion. For a long time all revered diseises were considered to be one desine. arthur Cooper (Inim Drit of medicine) days This was largely confirmed by He teaching of Hunter until The ducines were differentiated by Balfor (1767), and Benjamis Bell (1793), who were confirmed leter on by Ricond. Basserean in 1882 devoticed endone to ohn the distinction between Syptills and diff Chance (the chestist thery). Some house regard these is one and the same disease (Unicist). Oyphilis never develops de noro, but owns in consequence of the comeyance of the morbid visus, such transmission taking place by way of direct contagnon (in the strict some of the word), mediate contagn

Stellar Influences Venereal Miasm.

Bile'

A virus .

Corpuscles .

Cutter's Copper Colours Speres and Mycelial Threads.

Kled's Rods.

Cause of Syphilist by pripes, cups, glasser, sugred instruments, or, and by herebitary transmission. The earliest inview thought sypolalis to be due b-Stellar influences, Paracelaus speaks of a xenercal misson, Musser and Fallopius originates the descree in the hoer and bile. Leter on the idea of a "wine grew and was finally establidas by John Hunter's experiments. There has been no lack of organiz with the nature of this specific infective materialy (wind a micro-organism). In 1868, Salisbury Europus. Salisbury described it as a filamentons fungus developing from spores, while took root in the Connective Tissue spread into the overnowing parts and finishy reached the blood producing the constitutional Halliers Micrococcy, disease. In the same year Hallier clames to have discovered the cause of syphilis in a microcorcus which, on cultivation developed into a fungus while he named Coniotherium Syphiliticum Lostorfer's Syphilitic Some years later Lostorfor care formers with a discovery of Syphilitic corporacles in the flood. In 1878, & water, in america, wrote that in Syphilis the white blood coopuscles became "orlarges and distances by intercellular regitations the spress of which were copper coloned," which the blood contained copper coloned mycelial thesis In the Same year Klebs described not-like notile organisms as occurring in application trainers,

Pigarewski's 300gles.

Lustgarten's Bacillus

The Disse-Taguechi diplo coccus

Van Niessen's Diplo-bacillus

which, or cultivation, became sporal like muses, and there, when given to monkeys, produced the dieset He was confirmed by Bermann. Then Pisarenski (i the Contrallest für Chimque', 1880) declared that he had found in the chancer mourations a friely granular zoogles - the mass of small roms particles packed in the spaces of the traine. He thought it probable that there originates He ross of Klebs. In 1884, Integerta. discovered a facillus, closely resembling the Intercle facillus but smaller, in the primary syphilitie are. Other observers have found the some bacillos in testing grammate and a inflance In the same you Inse mucous membranes. and Tagucchi discovered a distocorcus while they were able to grow in artificial media and which on inoculation into animals produced a driene analagono to syphilis. In 1896, Van Niessen described a diplo-bacillus in Syphilitic cases. This diplo-facillus consists of two wits arranged at an engle like He letter V On cultivation on flood serum it is said to produce mycelial threads and sproves. It was liquepes geletine. Van Niessen's account has not been Confirmed by other observers. Van Messen Says that his diplo-bacillas when inventited into a rabbit ear an inductor papule appeared at the Ette of mountain in 9 days. also that the bacille

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Evidence in favour of and against Lustgarten's Boulley.

The real Cause prolably still remains to be demonstrated.

Lostorfers

are not destroyed by phagocytonic and this explain the persistence of the driene. He consider the real cure for the disease has not yet bean discovered but will ultimately probably he some form of anti-toxin. On the whole, there is more Evidence in favour of Lust garten's facillas, but, as the Lincet says, (4.1.96)"it has not yet feen sufficiently wisely accepted to be regarded as solving the problem." Work's canons have not been fulfilled. Lustgarten's description of his bacillus is to a bacteriologist, very like that which applies to Hansen's leprony facillas. Both resentle the tubercle builling, both are forms in the diseased tracines and inflamed innerens membranes rant neither have yet fulfilled Koch's Corns. & We must consider therefore that appreciation, law a strong probability, still remains that the real cause of syphilis has not yet hear demonstrated. The Syphilis becillus (or micro organism) may be of the some refractive index so its surrounding and Thus impartle without staining, and it may also be sicapeth of being claims by any of our present methods. It may also be so small so to be invisible: In the Lencet, June 16 4, 1900, Lostorfer Syphilitic Copucing again comes forward, after oner 20 years, and review him theory revived. Theory of "syphilis Corpuscles" in the blood. He says they appear in the internal fetucen frincey fore and Securioris, as we small, round, and buttons, do not stain, form into

o From personal enging I know that the following are may bacteride just ere very scappinal about burgareter briefly or Hanking, Haffkind Lusty, Polania, Maye, Hanlett, Profound Higher, Land (1975), 43 this Smooth

groups (of from 2 to 20) of ollow shape and last for only 3 days after the appearance of the Chance Pattocal confirms his observations.

Gonovehea.

In 1879 Newser divivores a diplotoceus in gonorhocal fons which is mor accepted as the cause of the disease. 21885, Bumm cultivated it on flood serum and after culture through twenty generations its introduction into the weethra of a healthy man produced the disease. This diplocorus is found in the procells, is decolouries by Gramo method, and readily sturies with Liffler's blue. Forteen other diplocorni and mien organisms have been found in gonorhoeal poo by Bore so done differentiation is necessary. The gonverseus la also feen found in cystitis, and in betwo. In the latter case however other pyrgenic organisms are nearly always present. Gonvoci are always in pries and face each others like two kinneys. Soft Chance.

Streptowici are nearly always present in soft sones but in 1889, Durrey of hegles claimed to have discovered a specific bacillus. It is a large short facillus with rounded ends, lying, sometimes free sometime

The Gonococcus.

within the form cells and arranges itself either in claims or in messes. It stains readily by ordinary basic amiline dogs but mit by Bran's method. It has not yet heen grown on artificial media. Umna and nicolle support Ducrey. Many observers, miluting stratchindon, are inclined to regard soft over as an attenuated from of supplicio or at least as having some connection with that disease.

Syphilis and Other Diseases.

There are interesting data to prove or suggest that Syphilis may aggrarate or ameliorate, or on the other Land, be aggrarated or ameliorated by, the considert occurrence of other diseases in the same individual.

Syphilis and Tubercle.

individual Graves many years ago made the statement that Syphilis and the abuse of mercury are the two causes which most favour the development of pulmonary phthisis. Lancereaux, Morgagni, Learner and others Say that syphilis is a debilitating cause which, in persons

predisposes to it, favous, hastens, and aggrerates the development of pulmonary phthisis and other tutorcular conditions. at the time these writers expressed This opinion the Intercle bailles was unknown. Most of the modern Inglish left books on Medrine (Fagge, Roberts, Taylor, allbutt, and Brittone for in nances) state that the syphilitic cachesia constitutes a prominent prediposing factor in the development of Intercle of the hung. Sydney martin, says Syphilis diminishes the resistance to takerculor. In the army, it is not at all uncommon to find a man after long continued syphilis to develop Intercle of the hong. In this Statur, , one onen was invalided and Hanother died from tuterele which had followed after somere syphilis. If, as at think we should, we accept these statements as facts, we must at mit that the measures of prevention against syphilis are to some extent also indirectly preventive messures against the Intercular diseases. It may be noted that according to several authorities acute phthiais and other acute inflammatory diseases occurring in syphilitic subjects ameliante the

syphilitic condition, Lancereus gues two cases where on attack of cholora caused syphilitic symptoms to disappear. a similar effect has been noted to occur after somere Enterie Ferer. This action on syphilis is probably explained by the fact that Cholora and Typhrid Ferer cause Informal and regind changes in mutition and in this way affected the syphilis. Durrey, of Fian, lately otates that Typhin seems to neaken or ever destroy Syphilis, at least to for as externed bymytims go." (Profeson Wright has recently endeword to province by means of an anti-toxic demm, the condition produced by an ettack of typhing fever , as a protective measure against that disease. It would be interesting to learn whether Wright's arti-typhis serum has any effect on Syphilis. It has on gonovchoes, and so also has Haffkine's anti-plaque moculation. Haffkine at least stays so, and recently the to get it tried in a military Storpital, in India, Unfortunately no Soldiers would robuster for investation to I am make to state from my own homoledge the actual effect of Haff kine's prophylutio on varial The veneral west in Janio hospitals are said to love except cholera

Syphilis and Ring worm.

disease.) Ducrey considers the syphiliain soil peculiarly favorable for the growth of hyphomycetic fungi, such as mignorano Certainly in more and Burnal, form to ming worm (breatly known as Blobi-itel) are many common amongst the men. In Breatry after the namy deason quite one half the troops are affected. But I have never noticed Syphilities to be more susceptible than others.

Syphilis and Plague.

There certainly at first dight appears to the some growns for thinking that syphilis exerts a protective former against plague. I have on plague duty, in Bombay, in 1897 and 1899, and in the latter year was, for a time, employed in collecting the statistics of the disease. I know of no case where a member of the protitute class, or where a patient suffering from acute memifestations of syphilis, was attacked memifestations of syphilis, was attacked on Plague. This fact has been noted again by writers on plague. In Bomby and again by writers on plague. In Bomby there was less plague in the protitute there was less plague in the protitute. Here was less plague in the protitute of the life. I have browner seem cases where plague attacked persons with a syphilitic history not attacked persons with a syphilitic history not

solviers, the great majority of whom have a history of syphilis, suffered very little from player. I saw Ten care I think, with one verther at Colaba.) I do not, however, myself believe that syphilis protects against plague Ithink the protection is merely a question of mutrition. The frostitute classes do themselves well "They

Syphilis and Yaws.

Syphilis and Erysipelas .

Mixed Infections.

however, where suffering from that disease Janopean are well few, well clothed, and well house, and so is the lurgen solvier in India

Syphilis is also said to protect against yours. a person who has had yours never contracts syphilis but a person who has has syphilis may contract y aws. Enjaipeles is said to motify syphilitic eruptions, probably by althing the boral mutrition of the skin,

Hallopean of Paris, Thinks that miest infection by byogenic organisms and Syphilis gives rise to prestular syphilises and other servere complications. In India I have often found streptococci and staphybrocci in cases of princip apphilis. In Boombay inimes infection is comma everyth as is shown by the number of cases of sypohilis in which supported of the inguinal glands orcurs. The pow in these See Monographs on Yours. New Sydenham Society. London. 1897.

Syphilisand Generrhoza.

> Syphilis and Malaria.

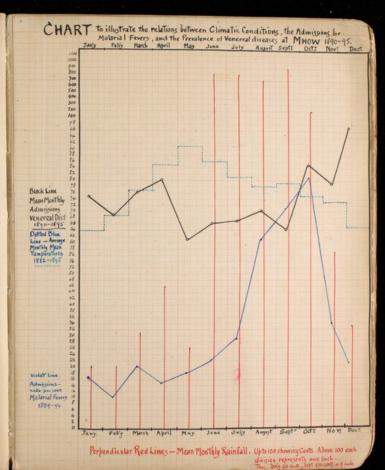
cases always contains byogenic organisms Gonovelocal affections of textes and epoilifymis predictore to syphilitic effections of the same organo

Many writers lay great stress upon the part melarie plays in the production of malignant syphilis. There is little doubt that, at any rate in the tropies, malaren does aggrest the disease. We still lower last sufficient date to say definitely that malaria has this effect. In some places where there is no malaria there is maligner syphilis. We lave no statutios, a very for to show in what perspection of cases of serve Syphilis there is a history of malaria. We also lack statistics to show the comparative frequency of melignant syphilis in melarious contitues and in non melanins countries. Formier had 59 patients who has last melaria and exphilis. He says 37 of these cases were severe and 18 of then might be called malignant. The proportion words foutably he loss if larger numbers of cases were collected. Melania may account for the sensely of many of the Indian cases. It expenses to some extent to affect the prevalence of the chieve in different district. We rend in the Report of the Sanitory Commission to the Boserman of Ironing, that "Some maderal officers consider that somewhat discove and agree very inversely to each other, agree diminishing virility. I investigated this for

In India, Materia diminishes virility and thus tends to reduce prevalence.

Proofs.

I trok the A.M.D. Report for 1897 and arranged in order all the military districts in India which lad, duning that year, admiren ratio for maleria, total reneral durine, gonorhoung Syphilis above the average admission ratio for the year. The hists are too long for meetin lever. Ind leaves the last for malaria with an admission ratio of 1017 per 1000 and is at the bottom of the late for admiss for revered disine. Pedawn, Lahre, menut, and Poone go reserved down. Vesterver, before, menet, and took which are very high in that of malaries are well below the average years ratio of armising for total Venound drieve. Dees which has the this light ratio for Instance is highest on the list of nature for gonorhouse and secrossy Syphilis, but primary syphilis is very low. Inhow, y to or the list of malarine ratios is teles very high on the list for princing sypthilis and secondary syphilis . If we test the effect or winds by taking the admission for princing ownered diseases as an index we find that Sir, Perhaum, Poone, meent, Lahre and Desa come lovest on the list for princing received drience, I sind not Pedeum showing the limes admirain for all divise. These six stations also show the highest rates for maline. We may fairly argue therefore that malaria does drimed virility. Some stations show high ratios for both classes of diseases; this may be explained by the first that, making occurs chiefy it me season of the year, doing which period reversal atmissions are at their bourst rand most of the reversal durine is contracted Burns the mon melanions period. I attack a chart showing the seasonal prevalence of both diseases at minor, a station while comes light is all the lett.



Malaria when Associated with Syphilis mades the letter more

This chart throw that Veneral prevalence is at it lowest Efine in this statum during the months May to Septenter, inclusive and during there months melanial prevalence is stending away. In to ctolar book diseases are high, ses. probably owing to the avoid of new drafts from Century Ingland, malariel prevalence falls during the Colo 1, Small reather whilet vowered prevalence rises. High The temperatured seem to indicate either a diminished 4) y and a diminished virility. (monthst-weather a Malaria than does dimined virility and in that way against reduces the prevalence of the reneval discuss. I applied has been writed to be more 1816, cles, Severe and more prevalent in the Station army in , m the Southern botheris and in Sicily than in the Lik worther parts of Italy. The Difference amounts to medical an increment prevalence of 22 atmissions, per 1000. ~ - the Southern Italy and to 12 armining, per 1000, in Sich himself (Somernie) The Souther part of Maly as Sing me of have also the greater prevalence in mularia himself neumann considers melaria an aggravating factor is pon his Syphelis. ("Strong of Syphilis Malyne", Med. Bren & Cine: 1899). phis Durrey of Piaa, Says, when mularie is associated with syphilis, Ke letter is oneshed more serve. e there 8 Hony dee supported these opinions many years up and an a long consepondere, in the British married from ebtera in 1598, Capr. E. C. Freemer, Rame, , and many others alsern expresses similar views. Muzak of Vienna soys "Palents cret who have been weakers by melaria, will probably , true suffer more smuler similar conditions Than otherwin the an My own experiences make me ulable Leelthy Intseits."

+ Reduced from a clast in a Special Senting Report on Molow, 1879 - by a Born of nature officer. It Cl. Kickpotent, R. and. Brandent

Personal

Think that serve malaria, particularly those cases in Experiences which crevent bodies and programmed lemerytes me from in the blood, if associated with syphilis greatly aggravate the latter. Rupial eruptions and deep alcerations of the loft hoones are very common in these cases , and , as there is a great difficulty in going mercuny, that day keing contra indicated in serve malaria, we find such cares to very bady. But we the cases implied from Burnel, Mean meet, and Kurachee. (I always grie Dinine for a week now in Snot craed and Flam one mercing by insuntan and sorted craed internally. Durine others also he sorted of ported internally. Durine others also he continued; I give to 10 from every morning. I have never yother to make a case of Syphilis from India.) Messues of prevention against malaria will therefore in many notances tend to return the severity in type of syphiles but will not affect the prevalence of reverel diseases. I motel, in one regiment, removal from a malarious to a mon-malarious station was followed by a many marked microse in the prevalence of revered in that regiment. This aggrerating effort of molenie on Syphilis is probably one in the great debilitating effects of that discise, for we know all debilitating influences tond to a preconions and servere form of syphilis

Summary -Syphilis an Other Diseases. To sum up, a consideration of the data adduced dues not authorise us to state definitively that there is vary real antiforming fetween syphilis and any other disease, with the exception perhaps of Yaws (and even in the case of Yaws the antegonism is disported by some verities who effirm that your is, in fact, syptilis.).

The Prophylaxis of the Venereal Diseases.

Historical Resume.

1. Medical Measures.

During the first half of the 19 th Century Jenner's describery of vaccination as a presentative of Small pox and the earlier practice of inventation against The some disease led numerous investigations to try and discover a similar methot of prophyloxis agent other contagnins drained, including syphilis. In 1815, Luna Calderon published a book in Paris, called, Practical demonstrations of Syphilitie Prophylaxie," in while numerous experiments were described which had her carried out before a committee of medical men in Paris and which toused to prove that the anthon processed unfailing means of preserving himself from Contagion. The experiments were anshertic some of them being genter by Reion. Calsern allower himself to be inventated with syphilitie material supportion preforme and gland ponis. He then printly applied hi prophylactic. no sores followed, nor were there scars of any bind the result of old sores or of Canterigation. This prophylactic was supposed to be a Constra Exporacciono altalore substance, but, Caldera never renealed his secret remery and the secret dies with him. It has been known for a long time that if syphilitie material be frest mixes with an alkali or a concentrated acid it is not inoculable

That the lesion was probably a transplantation," not part of a constitutional disease such as supplied is During these experiment on monkeys n. angris thought that each attempt as insculation in the Same animal produced a milder type of one with at last the animal became syphilis proof "or Syphilized." He argued from this that repeated inoulates with syphilitic viria, would also, in men, celtimately protest against syphilis. Thus was born the theory and practice of Syphilization as a preservative against syphilis. Hundred of people were inventited repeated with syphilitic meterial; in one case as many as 200 inscalitions being made in the same men. Mr. augins' Suphylactic mouletins naturally gave orac to some great offorsition, discussion, and done suffort but after some huntress of people in France, Italy, Inche, and elsewhere had been given sypohilis by his methods his theory based as it was upon monfficient experiment and imperfect deductive reasoning was explores. Syphilization however took many years to die. A full account of the method was given by Mr. Boeck to Mr. Skey's "Veneral Committee in 1864 (Report of Committee is in A.M. B. Report-1865.) Breck, of Christiana, Strongly advocated syphilization

About this time there started in Russia a showing that receivantion was of value as a preventation against syphilis in its constitutional forms. † August Turenne, at the Vienna medical logies.

⁺ A similar opinion that Variation prevented plague - was largely believes by natives in Brombay during the plague i 188

1873, advocates that all male children should be invaleted with syphilis as a safeguest against their contracting it for themselves in the future. I Within recent years Continental bacteriologist have

introduced serum invoulation treatment for syphilis. The serum of Dogs, horses, and calver which have providing been invented with blood derum and syphilitic material from patients in the Secondary Stage of syphilis is met but it is a curative not a Suphylastic Teatment. Lang lately (Berlin Medy Wachenschaft, June 2/1900, quotes in B. M. J. aug. 4t 1900). remarks that we should not want until we have. complete knowledge of the brology of syphilis before endeavouring to find a means of immunication gainst the disease; this is proved by Jenner's historical discovery. He suggests experimental inventations in persons in the Stage between initial track and the initial symptoms and thinks criminals undergoing long sentences, Leng smites continuous metrical supervision, are the most smitable persons on whom to try experiments. From the entiest times attempts have

her made to restrain the ravages of veneral disease by means of legislative measures principally in the direction of regulation of prostitution. Amongst the Romans during the unrestrint libertinion of the Empire measures were Taken to ensure cleanliness in person, dress, and the surroundings

+ During the regin of Ving Rhadama VI., of madegracar, a French physician, D' Maillow, carries out a Colossal experiment to see if inventation with syphilitie view would protect against opphilise or priduce a milder type of the disease. Two thousand House were inventated and all of them contracted syphilise. refuse any federal association with any other College, as, the control of the con

as, degrees from universities, and diplomas from corprontions, would be of the nature of homeries distinctions
that is an end which the British Medical, Association up. This is an end which the British Medical, though we
young sought, and we conserve it to be probable, though we
we no authority to speak on the subject, that when a
measure to amend the Medical Acis is sign crough
the before the Association, it will contain provisions for the
best it field.

But, in the meanwhile, if three universities and you've
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But, in the meanwhile, if three universities and you've
the three the question may become pressing, and several or
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note that the best provided to the three or the content of the faculties in Liverpool, Manchester, and Leeds go
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three cities, with power to still the obliges and the numple Brown brings forward statistics to prove that the numple of medical stridents of the sheet on the faculties of the state of
the obliges seek demedical stridents of the sheet or the faculties of the stripes of
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the thin molern views and tendencies in respect to higher
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refuse any federal association with any other College, as,

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for example, University College, Sheffield.

The Yorkshire College, Leeds, is opposed to the disruption of Victoria University, and will resist any proposal by Owens College to carry on the corporate existence of Victoria University in an independent university in Man-chester. It has the support of the county councils of the three Ridings of Yorkshire and of the Corporation of Leeds, and all these bodies, as well as the College itself, will be represented by counsel at the hearing of the matter by the Committee of the Privy Council. Leeds, therefore, it would seem, has been forced into a three-cornered duel: it objects to the proposal of Liverpool to dismember the Victoria University, and it objects to the desire of Manchester, should the dismemberment be decreed, to continue the Victoria University as a local University in and for Manchester.

With regard to the attitude of the graduates of Victoria University, it would appear that the majority are in favour of change, but that a respectable minority are opposed to it. Convocation, however, has presented a memorial to the Privy Council in support of that of the Court of Governors referred to above, so that it favours the creation of three separate universities should Liverpool obtain the charter it seeks.

If the question could be considered from the medical point of view alone, the reasons which exist against the policy of increasing the number of universities empowered to grant medical degrees would deserve very great weight, for a medical degree is tantamount to a licence to practise, and with each addition to the number of such degrees the coat of inspection, which ultimately fall on the medical profession itself, and the cost of examination which must ultimately fall on the medical student or his parents, unless large and examination. unless large endowments or an ample State subsidy are

forthcoming, must increase.

Dr. John Brown of Bacup, who at the recent meeting of the Convocation of the Victoria University moved a resolution having reference to the future of the medical faculties of the three Colleges which at present constitute the University, a resolution which was rejected, has since addressed lengthy letters to the daily papers in Manchester and Leeds, setting forth his views as to the evil effects which he conceives the disruption of the University will have on medical education. He points out that it is generally admitted to be undesirable to add to the number of bodies which already grant licences to practise medicine, and he dwells on the incidental disadvantage that the creation of three universities out of one would increase the already un-wieldy numbers of the General Medical Council, and the

cost of its meetings.

The ideal solution of difficulties of this order would be The ideal solution of difficulties of this order would be the establishment of a State examination such as exists in Germany, which all persons desirous of entering upon the practice of medicine would be compelled to pass. If this single portal were established, then the multiplication of universities with medical faculties giving degrees would be, from the public point of view, a matter of from the public point of view, a matter of quite secondary importance, and any defects in the University examinations, whether by way of deficiency or, as Dr. Brown asserts to be the case at Victoria Univer-sity of excess, might be left to right themselves, since al

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degrees from universities, and diplomas from corpora-tions, would be of the nature of honorific distinctions. This is an end which the British Medical Association long sought, and we conceive it to be probable, though we have no authority to speak on the subject, that when a measure to amend the Medical Acts is again brought before the Association, it will contain provisions for the contain of a stank nextsl or for some class approach to erection of a single portal, or for some close approach to

But, in the meanwhile, if three universities are to come But, in the meanwhile, if three universities are to come into existence in the two counties of Lancashire and Yorkshire the question may become pressing, and several expedients have been suggested. Dr. Brown's plan is to let the other faculties in Liverpool, Manchester, and Leeds go their own way, but to make the Victoria University a medical university, by the federation of the medical colleges, or rather the medical faculties of the colleges in the three cities, with power to affiliate other colleges of medicine. This scheme was not accepted, and although Dr. Brown brings forward statistics to prove that the number of medical degrees at present granted by Victoria ber of medical degrees at present granted by Victoria University is not large, and that some of the medical students of the three colleges seek degrees elsewhere, it does not seem to be in accordance with modern views and tendencies in respect to higher education. The strength of the movement in this direction which we are witnessing is due, to a very large extent, on the one hand to the existence of a feeling of local patriotism, and on the other to the opinion that medical education intimately related as it is, or ought to be, to subjects taught in the faculties of arts and science should on in close association with the teaching in those faculties.

Another suggestion which has been put forward is that new universities proposed to be created should consent to the insertion in their charters of a clause providing that they shall grant medical degrees only to persons who bave previously obtained a registrable qualification. This view, we are informed, finds some advocates in Liverpool, and there is no doubt something to be said for it, since it would meet the objection as to the multiplication of bodies granting licences entitling to registration, and would leave the Universities entirely free to fix such a standard for their medical degrees as would render them distinctions to be coveted, and not merely means to a practical end. But even if such a self-denying ordinance were accepted at the moment, it is permissible to doubt whether any long time would elapse before an agitation would arise for its repeal.

It seems indeed very doubtful whether any satisfactory mean can be found between the recognition of the medical degrees of all universities present and future by the State as qualifying for registration, and the recognition of no degrees and no diplomas—that is to say, the substitution for our present chaos of a single State examination.

AN ALLEGED PARASITIC ORGANISM IN SYPHILIS

In 1900 Professor Max Schüller stated that in primary, secondary, and tertiary syphilitic lesions, he had found certain bodies which he held to be parasites and character-

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lesions, such as gummatous nodules in various situations, in syphilitic esteemyelitis, lesions of the knee and other joints, and in enlarged glands.

What are described as cultures of the parasite were produced by incubating portions of tissue from primary chances from primarily infected lymphatic glands

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THE COPYRIGHT OF THE JOURNAL.

As the medical press is recognized to exist mainly for the diffusion of medical and scientific knowledge it has been the custom to permit greater latitude in the republication of original articles than is usually allowed in other forms of periodical literature, etiquette only requiring that the source from which such articles are taken should be acknowledged. Of late years, however, a practice appears to have grown up of reproducing for the purposes of trade advertisement articles which have appeared in the medical press, this being often done without the consent either of the writer or of the journal in which such articles originally appeared being obtained. In order to prevent abuse and to keep control over all matter appearing in the BRITISH MEDICAL JOURNAL, the Council some years ago copyrighted the JOURNAL, and consequently nothing can be reprinted therefrom without incurring the risk of penalties under the Copyright Acts. It is desirable that this fact of the JOURNAL being thus protected should be better known. Dr. Edrighe Green recently had to complain of the republication without his permission or the consent of the Council of his article on the Essentials of a Test for Colour Blindness in the Optician and Photographic Trades Review. To the article as thus republished was appended a footnote to the effect that it had been read before the British Medical Association, and the editor of the Review appeared to think this was sufficient acknowledgement, whereas it really aggravated the offence against the author by implying that a paper which had been read at a meeting of the Association had been sent by him for publication in a trade journal. The editor of the Review has, however, been brought to adus sense of his responsibilities, and has, in a recent issue of his paper, published an acknowledgement.

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160 of prostitutes. The Emperors Constantine, Justinian, and cost of inspection, which altimately fall on the medical profession itself, and the cost of examination which the must ultimately fall on the medical student or his parents, A unless large endowments or an ample Shate subsidy are forthcoming, must increase.

Dr. John Brown of Bacap, who at the recent meeting of the three Colleges which at present constitue the Unit and versity, a resolution which was rejected, has since addressed by the transport of the three Colleges which at present constitue the Unit and versity, a resolution which was rejected, has since addressed implicit of the three Colleges which at present contribute the transport of the University will have the constraint of the University will be the constraint in the profession of the University will be the wind already grant liseness to practice medicine, and the which already grant liseness to practice medicine, and the which already grant liseness to practice medicine, and the which already grant liseness to practice medicine, and the which already grant liseness to practice medicine, and the which already grant liseness to practice medicine, and the wind practice of the meeting of this center of the centeral Medical Council, and the transition of the contraints of this certe would be the establishment of a Saake examination such as exists in account of the contraints of the meaning upon the presentes of medicine would be compelled to pass. If this for practice with a model affectuate spring degrees would be a fine process of the medical features of the center of the contraints of the center of the first process of deficiency of an Dr. Forem asserts to be the case at Victoria University of encose, might be left to right themselves, since at 1873 the two Theodolius, honover, attempted to suppress the two Theorems, honorer, Production was prohibited prostriction by servere laws. Production was prohibited and prostrictions here primited by whipping, bandment, and confescation of property. Charlemagne also dealt with it fo intros - but after his time at the form centuris The & piere Syphi es on the Continent Louis, King of France. of sys les again attempted wo but in the end Jupl Work · prostitution and. remor which regulated compl test to be carried on in close association with the teaching in takeh those faculties.

Another argestion which has been put forward is that new universities proposed to be created should consent to the insertion in their charters of a clause providing that the insertion in their charters of a clause providing that the twe previously obtained a registrable qualification. This true twe, we are informed, finds some advocates in Liverpool, the twee, we are informed, finds some advocates in Liverpool, the word of the state carried on in special enden AN ALLEGED PARASITIC ORGANISM IN
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161 187 cost of inspection, which ultimately fall on the medical topolassion itself, and the cost of examination which must ultimately fall on the medical students or his parents, and the cost of examination which must ultimately fall on the medical tributely are forthcoming, must increase.

Dr. John Brown of Bacap, who at the record meeting of the Corrocation of the Valeria University moved a results with the Corrocation of the Valeria University moved a result was rejected, has alone addressed working a resolution which was rejected, has alone addressed bengthy selects to the daily papers in Manchester and both Leeds, setting forth his views as to the ovil efficient which he conceives the disruption of the University will have on stammedical education. He points out that it is generally admitted to be moderated by the moderated districtive and to the conceive which already grant licences to practise medicing and the which already grant injections to a forth of the control of the overeity will have on stammedical education. He points out that it is generally admitted to the indicated districtive and the overeity will be considered on the control of the overeity will be considered by the control of the control will Quide to insertion of Charts. prohibites also dest mtr askage 12 in original = Page 8 in duplicate The his trie 14 9 pro. centuries 19 ontener Sypi ofsy of France. ttenster Just 324 The end Wax 36 tim and remo 42 'ste3 comp itial to be carried on in close association with the teaching in this blose faculties. The control of the contr in special ende In 1900 Professor Max 8 secondary, and tertiary 1 certain bodies which he h avigna. the d Share He so ALLEGED Stage meins pline d'un a .. 0 tre à D PARASITIC ORGANISM II
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of prostitutes. The Imperors Constantine, Instinion, and the two Theodoins, honorer, attempted to suppress prostitution by severe laws. Prostitution was prohibited and prostitutes were primited by whipping, banishment, and confiscation of property. Charlemagne also dealt with the evil with great soverity but after his time all measures were abandoned, and the which followed were characterised on the Continer by investigated immorality. St. Louis, King of Florce. after his return from the Crusades again attempted to nevire the old prohibitory laws but in the end found it necessary to recognise prostitution and from his time date measures which regulates prostitution by permitting it to be carried on in special neighbourhours in the large cities such as Paris, avigna. and Toulouse. a similar ortimence appears to have existed in London. We nest, "Il existe d'anciens règlemens et statuts relatifs à la discipline d'un hers de débauche à Londres, et d'un autre à arignon, lesquels dates des années . 1344 et 1430; ils contiennent des articles où il est ordonné de visiter soment les constisanes, et de renfermer Celles qui sont infectices, pour les empêcher de "Communiquer du mal aux jeines gens. + 6. D. acts were then in force, in London, in 1430. Bockett also says that regulations were laid down in that you for the surreilluce of houses of ill fame By these it was enjoined that the protitute as well as the men who comorted with them, should be + L'agness's Work a La melatie Vénérience Paris, 1812

frequently examined and those persons "attagates d' écontemens par le serge ou le vagin " were to be isolated until they were perfectly comed . + The regulations here evidently directed against gonovehice. The great spidemic of veneral diseases in the 15th Conting les to renewed efforts at legislative prevention and isolation of sufferen became the law of the point. The rich were Segregated in Their own hones the boron driven away from Their fellows on pain of death. Ison the physicians at one time considered it infra dig. to treat the disease. at thesting in 1495, and Paris in 1496, the measures were particularly regorous when directed against any foreigners affected with the disease. In 1497, in Scotland, James IV and his corneil would a proclamation, dates 11th Decr. Commenting that wherever form's himself afflicted with that strange and brathsome disease, lately come amongst them, called the grand gove (the nament chander) should immediately repair to the Sands of Leith, where boats should be ready to transport them to the island "of Inchkeith, or some distant corner over the Forth, "there to remain till Good should # send Them relief; which , if they did not . They were to be burnt on the cheek with a hot iron, and familed the City for 3 years " + In Scotland generally it would Philosophial Transactions, London, vol. XXX, no. 35%. - Swoted from Mound's Draines of Interio", 2nd 80., 1780. Creiption des

appear that at this time "Sufferers from grand gove (syphilis), leggars, and lepars" were excluded from the towns for we read that James IV, when visiting a place, invarietly went to the town end " and gave money to these clauses of his subjects. Leprony was, in mesiconal Ingland confounded with any form of Chronic skin diseine and I have no doubt, after a strong of the authorities, that severe syphilitie creptivis were often written down as leptrony. In an Grammere of Games III, in 1346, lepero were excluded from London and it was mentioned that the ordinance was necessary owing to the Spread of the drawne Through immoral intercourse. For the care of these "leper or layer homees" were brownder. In Southwark at this time was a layar home benown as "the Loke", the original Loke or Lock Hospital. Creighton, says "By their time (larly Tudor paris) leprosy had ceased to be heard of in England, but another draine, syphilis had become very common and it is bown that these Sportals "were used for the prover victims of that disese."

Prostitutes were first subjected to Somiting visitation by Voyer d'argenon, the notorionis Chief to police in Paris in 1714. In France, in 1762, it was

visitation by Voger d'argenere, the motorioris Chief of bolice in Paris in 1714. In France, in 1762, it was required that keepers of brothels should be responsible for the samilary contribuin of the immater of their houses and that these women should be Intigrited to frequent wiseld by the police surgeon. Towards the ond of the century it was wriged that special his privile, should be provided for the treatment of those causer. Infinite, should be sensed

In 1778 Levoir, the chief of Police in Paris wines the celebrates order which may still be legally enforced in France who necessary. In spirite of its soverity little benefit followed it. In 1802, 1811, Lealth chiperanics, to which berrows affected with reverent chances, were required to come for modertion and if necessary detention, were established in Paris. This system is said to have been followed by herefit. L'agnesse, Deday, Davile, Ration, Mare, actor, and hancereme have advocated that the men also should be periodicilly grammed. This was first done in Belgin. In that country protestes and Snoperter Servant women and meterns were required to be examined trice a week. To soldier was allowed to be treated for veneral in barracks and he was obliged to point out the women who had infected him. The carrying out of these regulations was extructed to a special controlling inspector. as a result, in Belgium, only one ordin in 140 was diseased, whereas in Strawburg in France, 1 in 33, and in Lyons I in 40 were the ratios. The flow blowers in Lyono and in many large manifactories in Sermany perissial inspections of the employe's are curies out at the initiative of the mor themselves. In it amborg the keepers of brothels are required to inspect men frequenting their houses. Good results have followed. In later years many writers in Ingland have visited their if it is necessary to impost the women it is equally necessary to examine the men. I Think there can be no doubt that such active is described his at the same time it is a procesure infinitely more difficult to carry out than it See discussion on the Intgest, at the British matrial accord. in 1899.

would be in the case of provintulars. The legislature measures adopted in France of registration of proteintes, their benistrial medical examination, and removal if diseased to hospital, were soon adopted in other Commtries. In Sweden, the Can was very street, it required medical examination of nearly the whole would population. Examination included all merket women, pelles visitors at simo and fairs, demestrio servanto, wet nurses, babies put our to muse, all frohermon on their return to harboury failors on their return home, and all trips beekly. As a result Veneral disease is said to have decreased by one half. The chief differences between the legislative meseures adopted bretty generally on the continent consists in the frequency of the medical examinations and the thoroughness of these these examinations. In Hamburg and Brusselo the Speculin is always used twice a week, in Panis the speculum is only used once a month, in Boolewar Rhemis and Marseilles the Speculum is only weed in exceptional cases. I have elsewhere described the various

I have classified at different times in the United Kimporm, our Colories, and in India. and have expressed my opinion that legislation in this direction is not called for at foresest in Ingland or in tone of our Colonios. The Centrament act, bost district, of 1897, is in force in India a should be good result. It might with advantage be extended by some of our Colonios in the East, such as legter and that

166. Clandestine Prostitution.

Many writers who are opposed to the C. D. act in any shape or form, some Sanitary Commissioners, medical Officers and others have stated that reglementation leads to clamestime prostitution. Is this so? If so, why should this be the case? In support of this opinion, which is not capable of any really definite peroof for C.D. auto or no C. D. acts Clansestine prostitution will always occur, is the fact that women dislike examination and registration. For one thing it stamps them as members of a degraded class. On the other hand if there was no demand for prostitution there would be no prostitutes. The laws of supply and demand come in here as in other franches of Social and political economy. Where reglementation is in force we do not find the number of registered prostitutes diminish year by year, in other words the demand and supply are fairly constant and we may suspect that where clandestine prostitution as concerned the same law holds good. Hor is it clarifestine prostitution which keeps veneral prevalence high, for Fournier's statistics show the tendency to be the other way. There is probably no more renereal disease contracted from clandertine prostitutes in proportion to their numbers than from Jublic ones. We should not Therefore allow any fear of clankestine prostitution to prevent us from enforcing legislative measures against prostitution in any place where other appear to

Prophylactic Messures.

Isolation.

Isolation of these suffering from veneral disease.

sin discusses like raties, or orghibis, or small pop, or leperay, where infection can be forms in the patient alone, precauterin of isolation taken with regard to the sick, and their chosent surroundings, must affect directly the prevalence and propagation of the chiese." Such are Profession it affections are trated at the Royal Society mad I think we must all agree with him. Infection can only be derived directly or indirectly from an infected person. The germ of the disease is incapable of existence outside the human organism. We should therefore, whenever promible, isolate those anfacted with veneral disease. It has been well said that if every person suffering from reneral disease with at the every person suffering from reneral disease with at the one time he isolated and hept segregated intil crack, veneral disease winto disappear

Circumcisian.

Circumciasion

At the Visina married Congress in 1874, it was recommand
that, as a means of presenting married contegori, all
made children should be circumcided. Enchour, after
saying that all cases of congenital phimoses should
saying that all cases of congenital phimoses should
be circumcised, guess in to say that "even those who,
be circumcised, guess in to say that "even those who,
without having phimoses have an abnormally long
and lax prepare, would be improved greatly in
cleanliness, health, and morals, by heiry subjected to
+ Surgery, 95 statum.

He same operation." He points out that phimosis (and tensency Hereto) gives rise to local irritation and excitation and favours the development of the habit of matherbation and other immoral practices. Jonathan Stutchminn, Im fin Lancet, June 200, 1900) says "You know it is generally believed that Exphilis is comparatively rare in the Jews. We do bristians, but they are, as a race, more moral than Bhristians, but the fact is undoubtedly that Ders do not contract primery chances in nearly as high a proportion as Christians. And you can understand "the reason, for with the prepare done away without the skin, glans, and furrow harder than in normal cases, the risk of syphilitic infection is diminished. my exponence, both at the Lock Hospital as at the Gordon Hospital, where one sees a great sumber of Deno in the our patient department, so that while key very often contract gonorhoea, 8 yphilis is a comparatively rare event with them." Such is also the experience of three who have attended upon mahomedans. In the old days the British toldrin has great fuith in circumcioin as a protective measure, and medial officers, under the Regimental System held strong opinions in favour of its efficacy as a protective against syphilis. One, formerly herick officer to the Cumeron Highlanders in divisio, and a Second, formerly a Royal artilley marrial offices, have told me that large numbers of the man were cocumcion

formerly and that revered disease, except forwardow, was leve frequent as a result. In didni, in 1897, 59 men out of a strength of 64,531, were coramicion to be can scarcely say that it is this to any extent as a protective measure more days. Examenia then, is a protective measure of some value, and, we should endeavour to circumenia the orbital whomese an opportunity occurs. Many might with advantage the operated aport, without loss of their services, during the rougage to India. I have lately taken advantage of me hence in bothistal with other complaints to circumcise them and have had away non ask to be I one.

The Question of destruction of the Principlesion.

Destruction of Primary Sore.

Numerous experiments have demonstrated that the discharge, either servine or privilest, of the primary tree is contiguous. A question of great interest is, when can me day that the disease has become constitutional? Pellyanis' experiment in 1860, when he invented It Brangioni with those taken from a wrown in the serviday stage of syphilis, the rento boing the appearance at the orte of inventation of a papeale in 25 days, a typical hard the in 44 days, and a wrowolar rank on the trunks on the 55 th day; shown a wrowolar rank on the trunks on the 55 th day; shown a wrowolar rank on the trunks on the 55 th day; shown a wrowolar rank on the trunks on the both days, and beginning contaction the contaguous. More at what beginning contaction the contaguous. More, at what derived after invariations does the blood become infective. It fefore a after the appearance of the head size?

If after the appearance of the one, how long after, and is it before a after the inducation appears? These data appear to me the important and I do not Some that they have even been definitely domonstrated. If we can fix the possion as which the blood bearness affected me shall be in a provition to state whether excession or destruction of the some in its different stages as a paponle, or as a one, soft a indinated,) is lakely to prevent the further incidence of the discours symptoms. Assespity and others say it will. Trickson says no, certainly mot after insuration has appeared. I mathan Interior says the question is doubtful. Beskeley will Says destruction of the one is wellow. Lancereau seed in the chance "the external and formany manifestation of a general condition already attained." he aim, if the is to, will be of no avail. Henter, Ricord, and many others think the princy one a love lesson while only infects the sound economy afterwards. Phins was misnishly to destroy the forming leave by new of the Country. In many duriness destructment the driving lesin presents the further spread of the diseine. In vaccination and in mornlation with glanders destruction of the site of investation must follow very rapidly after insculation if the further incidence of engel Symptoms is to be arrested. In 1894 a well burn facterilipit showed me a sore on his denis which he tothe from its history of appearance considered to be a primary syphilitic ulcer. The patient excesses the one

como some of the sommunity skin and applied some corraine sublimate to the wound. In Inty, 1900, he told me that he had had no further symptoms of syphilis and that he had not take mercury. One commot agen from one care that excision certainly presents further symptoms but I am milimis to think that in many motomers it soed. Destruction of soft orces is also good practices.

Private Hygiene.

Prophylax is by attention to private hygiene. Personal hygrine as a means of protection from revered disease has occupied the attention of legislations and physicians from the earlies this Celaus is said to speak of it at great length, but the obsert book I have seen which refers to the Join's is Lanfrant's Chrimgie, which dates from 1290 A.D., It recommends washing the barris : with omegan and water as a method of drophylaxis of aniat diseases contracted from dirty or diseased women. Different writers have at different times advocated many diverse substances for use in the way. These Inbotances may be divided into Three classes. The first class consists of astringent and ralesholic lotions which act by preventing absorbtion by hardening the trainer or by weatifying the circulation in the part. The second class act mechanically and present absorbtion by means of a protecting coating over + Published by the lasty highich Text Society.

over the part. The third class are remedies which aim at destruction of the renered voius in titu and Consist of Caustio and anticeptic substances. In the first class are lemm juice, recommended by Fracastor, puls first called syphilis by that name in a from and others, venegar, wire, wine and oil, arometric alcoholic decortions, wine and tropertine (Ett miller, 1690), Vanning and alum (mehon), Sulphates of Fine and Lead (Rivor), astrogent oristments followed by washings with alkaline Intratarces (Waren, Hunter, Fortyce, u). In the Second class are oils, ontments, baselin, and fate of different kinds. In the Hird class may be included the alsoholis preparations, Importine, and avantic Inlatures also includes in the first class. alkalies (Rind: Luglebert, Luna de Coldern, Homber, Fordya) ands (River), Caustin and antisepties such as Institute of silver, perchlosise of iron, chromic and, dy trocklosis and, Corrosine Inbluste (Sessamme), Chlorice and it preparations (River, Coster, e.), Permanganete of potate, dyal, brevlin on. Those substances which present the

prior heiz absorbed are indicated for use before the Cert, the and, alkalie, and alwholic solution may be used at any time, and the more promorpel solutiones and as Corrossic Inthinate, Creolin, or, thould be applied if any breach of surface be observed. The value of this class obegans largely upon

the rapidity with which they are appolied after expresse to infection. These meins of local hygiene are by no means certain prenontatives of draine, but they do , to a great extent, dimined the risk of infection, and I think a knowledge of the fact that simple worting and the war of sme of the Smigler substances ment remain above a could with arrantage he extended to the private soldier. The great majority of medical witheres before the Veneral Commission, in 1864, declared that simple braching after critism certainly would brevent a large amount of discuss. Health lectures to the men grieng This information would be conducine to a diminution of reneval desires amongs them. The man who throughly washes brailly after sexual intercorne is less likely to contract neneral disease than one who neglect this precontin. Where the preforme is long any contagion from the women is Whely to be retained honeasts it and thus give mie to gonorhoer, balantis, or to sores, if the be any scratch or breach of surface there. From 'man about tome ', in London , carry about with Thom tallows of corrain sublimete or of potassium permangenate with which to prepare solution for washing burgoses after Sexual Congress

Aflation Room of the Royal Daw informed by a major of the Royal tapo in barrack artillary that, from or fine years ago, the Community office, R. a., at aden renter a room in the began

where means of ablation with antiseptic substances were promises for the une of the onen. (The men here also encourages to write on a state, hanging in this women, the more of any momen bourne when the choices. This was for the information of the other men) As a result severel disease became very rare amongst the Royal artilley as asen. Or new Commanding office. however, on his arrived closed the even, and the Coming with the Station of a Battery from Delhi brought an incress of reverel disease in the Status, Veneral theme than become more prevalent than ever. I think this idea of an abhutum room, properly brokes after, ontoide barracho, a ford me, and there are doubtless many stations where it could be advantageously adopted.

In some stations in England, and in the Brands? harracks in London, tapo were formerly provided in the winds for the purpose of local abbution. It was expected that these would be used by the men and lead to a decrease in neveral disine The tapo were not I believe, fromt to answer the Surprise intended; perhaps the men considered their position too fablic, and they fell into house. When I was in the Home District some years ago, it was injusted that the arrangement of topos should be remined in the Guard's barracks, but I am mable

to state if the inffertion was carried out. There should he no difficulty is supplying a mentity of antiseptic solution to the abletion wome in berush these wound are, at night, deserted and a man would be some of driving there on his return to favorates at night and could carry out his athering without exprosing himself to the "chaff" of his

Veneral prophylacis by means of Mechanical preventatives

At Colaba, Bombay, in 1897, the Middlesex Regimes adopted a system of tale of mechanisal preventations. These Letters" were orto by the Colon sergeants of Componies. a diminution in the regimental prevalence of reneral discuse resulter Later on, at the same station, neverel draine became very prevalent in the horfolk Regiment and appeared to be missing in severity of type - the Shagesterin dose was very common. In Jome, Franch Letters " were frist wines on payment from the dots water factory. I was in charge of the morfolk sich during the whole of the year and notices no decrease in the amount of veneral duine, but on the other hand enginery elicited the fact that most a single case in hospital with seneral disease has made use of these presentatives. The man some this explanation "Wall, in, it is like the

Questin of Priket money Pocket Money and Veneral Breaner. Dr Luxumber, singer to the 34th Regt, in 1920, stated that he will an increase in the member of such after the men had received any accommodation of fack pay. He says the command of money less to

intemperance and detauckery amongst the man. as a mean of prenonting this he advocated the establishmen of Regimental Sarings Banks, not then in existence It may be noted that many army merrice officers of the present day hold the same belief that excess of prochet money Leads to increased immorality and disease. This is one of the explanations given for the alleged excessive amount of renereal choice amongs the technialles is the army. It is argued that, the temperance man, not needing to spont money on been, has more money to opened on women. Moder the recent new messing regulations the Soldrer is paid 3 d. a Day for extra messing in tia of defense pay. One result is, that when he goes to hospital , he loses this messey money as well as his hospital Stoppages of of d. a day (that is he ma boses 10 d. a day when in hospital motered of of d. as heretofne). This has in one regiment, to my certain provelege led to concerlment of disease. In 1898, the medial officer at Calient, states in his communal report, that the new messing regulations " whereby men came to provide a hump sum of hard cash, encouraged venery, and Therefore mercus disease." We must therefore regard measures bording to encourage Thrift and the habit of barring money amongst the men to be , amongst others , the a means of preventing immorality and the diseases must

Thrift.

Temperance should be encouraged.

thereto, Intemperance and Venereal Disease.

Mutil recently it was practically regarded as an acciom by all writers on renereal diseases that these draines were more common amongs the intemperate them amongs three temperate in the use of alcohol. In addition to the lowering of the moral sense which long continues excess in alcohol visues, other factors come into play. Thus, the drunken man, with his mental perceptions flunted by alcohol is more likely to associate with dirty women or low class protitutes and , since he spends must of his Spare money on drink, he is only able to spend omall Some on the potaries of Venus, and this factor also obliges him to associate with lower class protestates. a dramker man also is inlikely to take any hygionic becaution after sexual congress and is, in this way, more hable to contract disense. In addition, the alcoholis Intiget is more hible to suffer severely with nevered chainse once he has contracted it. I onowher is always aggrarated by drink. Boerhave pointed out the bas effect of alcohol on syphilitic subjects. Lancereaux and other French Writers consider that Secondary (and tertiary) syphilis more precocionis and severe amongst alcoholis them other people. River suys chances of all times are more severe and show the greatest tensury to low inflammating action, octema, and phagesona, amongs there addicted to the above of sparitures ligious, and there this tendency is most market in warm seasons and chimates. In India

the solvier is less drumber than his presercours and yet suffers more from reverent discusse. This need not prevent us however from adversaring temperance amongst the memoras a menume calculates to missue the solviers promess of self control and indirectly tending to lessen the amount of nearest chains of severe type in the amount of nearest chains of severe type in the amount.

Measures more struitly applicable to the Soldier

A study of the writings of wiliting man and other on The presention of renevent disease in the army reveals an almost immerced concernence of opinion that He Anthaities ohould be careful in no way to to anything which may lead the men to Think That Those above them in rank are indifferent to for Show any encouragement of) vicino praities. The military borners that be should make it without to every one in the army That vice is a crime. that good moral character is one of the highest and most to be extremed attributes of a good soldier. In order to frother this desirable feeling amongst the soldiers submit difficulty that the following recommendations are worthy of official consideration. Veneral disease should be made a military crime just as drunkenners is. a man's frost admission to hospital with reneval discusse may be the result of a momentary lapse before um

Official
Deprecation
of
Immorality.

Disciplinary Massures.

temptation. he official notice should therefore be taken of the first admission to hospital. admission for secondary sypthilis also should not for obvious ressons to notice, but all admissions for princy discise after the first should bring with them, as a matter of course, the entry of the letter" " on his Regimental Defaulter Sheet, The prinishment of extra drills and perhaps an increased hospital stoppage. In addition all men who have been in hospital with meneral should be obliged to make up the number of greads and fotigues while they line consent whilst in hospital. In some regimes it is the contin to make those man do a cortain menta of extra drills when they come out of hosefortus to make up for the efficiency they have lost in hospital. This custom though he made official and universal. no Joft billets about barracks shows to given to men who have had much renered disease. Their permanent passes should be stopped, and, in India, no shorting passes allowed them. amount the R.a. at Bomby a neverel admission antilo loss of the permenent bass to The muches of "V's (proposes) on a man's defenter sheat should be considered by his Colonel when a mais mane come forward for promotion or when a man's character is being assessed on his leaving the service. This character should mention the men's morals. At the same time the gueling of meny shows so be considered and, if a man has had no administ to horpital for reverent desire for an officially friend period, Jay one year, thus through to some extent moral reformation it should clear his theet of all prevents admission. When a many permission to many, permission should be refused unless three years has elaparationed his last admission for typhilis, and unless, the medical offices, in addition, certifies that he is, at the date of application for permission to many, free from symptoms of revereel disease.

When a regiment shows an annual admiserin rate for reversal disease in excess of the average admission rate for the whole army, it though be deterned from artine dervice mile after all regiments showing less than the average rate have proceeded to the pour, and such regiments should then be employed, if possible, only on the lines of communication and at the Base of operations If such a regulation was in existence, and bown to both regimental officers and their men, and rigidly enforced, it would, I am committed, come officers and men to set their forces against rice. and an improvement would some evene in the whole In opposition to these mesone it will he was ther such messues will tond to induce Concealment of desire " Perhaps to but we already law mens of preventing this concertment. The weekly met

In the French Army on atmires for the second outside to the second of th

grammatrin of the men , if thorough, would prement a good deal of concealment. In India, if concealment is suspected the Community Office can arrange with the medical office to carry out a surprise reneral mispection of the men. Married men and men of good character are excupted from indepention. At present obtains have little interment to conceal chainse, but whom a regiment is women for article descript, concealment is likely to recent. The Queer's Regulation direct that come almost of direct is to the dealt with under fee. If of the Army left, by Court marriel. As a matter of forthe this is rarely carried out. I have seen how a men to get more than 10 days confinement to barraches for concealment of chainse.

Mer sick with renered driene were in the IP & Conting fries half a frience but the contin was aborlished "as tenoring to instruct the fortistion to concered his dreiner, or apply to quecks for a cheeper come; both of dreiner, or apply to quecks for a cheeper come; both of which may be prejudicial to his Constitution" (See Domesia White of the Broger Regular of Entitley). A similar result followed the Bropper of the reneral patents pay blute in hospital by Low Consell in 18 y B. There is little reserved chairs in the Rogal bropiers and the other departmental choises in the Rogal bropiers and the corps the men get an addition to those pay called working pay" or Corps for most thing they have whom in hospital. It might be feasible too introduce the same System in the Infantry, was Commonly and assilley.

It would also be a great impersoner if men in hospitale with ordinary chroised were not subjected to hospital stoppages could then be comprised there and mitted for nevertal dreine.

One of the artilley Regimental Standing orders, wanes about 17 43, by Colonel Borgers runs This; March 29, 1743. " That if any non commissioned officer or gunner make himself infit for the King's duty, either by drinking, whomp, or any other has practice, he will sons than to the stroppital at Ivador for cure, and discharge them out of the Regiment." This was denere burnishment but it might over he re-introduced with communitage in the army where "incorrigibles" are concerned. By an meorigible I would describe a soldier who fines homself up to indiscriminate and persistent nevery, careless as to the class of momen he associates with and witerly regardless of the result of his rice. Printe A. for instance entires in 1893, ay. 232, mo a any 2321898 was in hopice with devere syphilis. In the interest he has been 698 days - nearly two years - in horpital for gonovhou (y times), Princy Syphilis, Loft Chauce, and Secondary Syptilis (5 times). another man Pte 4p, les Spect 937 days in hospital some he case to horis fine year you reither of these men are likely to ever herme afficient and small man should be discharged

the service as worthless characters. These are the men there you a artine service, break down early in the Company, there extra work or ambulances and hopotods, retire to the Base, are perhaps invalided to hopes, and newarded in the course with as wer-maked.

The moral improvement of the Follow.

Inscribe, in 1820, said "An improved state of the converses, in 1820, said "An improved state of the converses of our solding world be, however, a far more effectual means of preserving the health of the men from cases of this nature." He advocates the appointment of a Chaplain to each refinent rous considered an improvened in the morals of our botherin "conto only be effected by informat in their education and by mortilling in their minds well grounded and mortal and religious sontinents."

Here the ministrature and mortal and religious sontinents."

There the ministrature and mortalists supported by the good example of the regimental officers. If the regimental officers are careless on immortal their more will be the same.

Health lectures to the men.

at the recat Congress of medicie, in Paris, in 1900, Sug. major Ferrier of the French army arrowards in a discinusion in the prophylogies of syphilis in armis 1. lectures for on personal hygiene to the Offices, I more commissioned offices and man, and 2, the visue to the men of a little book on hygiene. Lectures to the Joldens on the case of their lealthy

are now frequently grain by medical officers and regimental officers and they do as I have shoulder, stated, a great deal of food. They make the new think, they grae them termiledge, and they concernage them to exercise their self control. The lecturers obouts however be delected men into who are attractive and telling possible speaking and and lectures should not in my opinion be associated with any religious movement.

Recreation.

at the present day attleties are greaty according in the army, frotball, cricket, and horkey also employ the opene time of many men. Then there are worked to many men. Then there are worked together to present the men from being idle. The athletie, sport-loving men is rarely viccious and he may consider these encouragement to exercise as meromes to which tend to return the amount of noncreat disease in the army.

Punity associations.

There is an army Health association, I helieve, but what it does on how it does it, I have never here while to discover. On army Punky association has also here started at some status. If it nexts suith only part of the Ancess which

has attended the army Temperane association it will do great good in the army but me hant a practical association. Such an accounting might amploy travel lecturers on health subjects, on register the news of good speaker, and arrange for periodical lectures to the ortherin . It might also avocategeously publish paraphlets on these subjects and issue them to the sorbicis or their libraries and institutes. Special attention Should be baid to new armiels in Engle India, they should be sought out by the association and wernes against the temptations of the country. Lectures might also he given with advantage to He man on the troop ships coming to India. Conclusion .

I have described the prevalence of reneved discourse in the army, the factors influencing that prevalence, The newmer which have tried in the past, and the prints in the history and natural history of these braines which have a bearing on prophylasis, and, finally Suggested the prophylactri mersures, legrolatrie, bygonic, disciplinary, esucatrice, and moral, I consider verily of adoption in our army at the present time. lant bowen in this poper is an old onein es printer

A spendix . - On remedial treatment towns. prevention of Secondary and Testing Syphilis . -I has intended to deal norther folly with this bround of prophylanis but am not true that it is included in the subject of this easing Professor Newser (Scholar Songs, Sydenton Strick, 1897) states ther - "The most neight eticlogical factor in the moreunial heatment in the conluct stages of the drien.

appearance of terting experiences is in my opinion defriest "a proof of the course relationship between menforing mercanial treatment in the forming stage and the manifestation of terting symptoms, is famile by the mornion number of Ferting syphilides present in those cases left untrated." His figure than that out of every 100 male potents (Hopital + private) suffering from textury sypholo one 58.66 per our had had no treatment or only imperfect treatment, over 19.2 percent has had only one course of efficient treatment, 13.9 pm Car 2 or 3 comes, and only 8.09 per cont has had 40 mine comes. His fegues then do support his former Hutchmoon expressed the opinion that mercing if given properly over a long period will entirely previous seromanies and previous or lesson the dangers of testing syppuls. Meshos of trestment - I form immedia nethose and treatment by the most. no the heatmen is my opinion expects it.

Jahreys give quinois with the morning or large down of notes with

the dovides. Or human says, "This netherd is more through a

more humbers." It is advisable to treat throughly at fruit and intermettent for 2 years. (Forence, Huttelmen). I have treed Happings by forthermoting interviews, nethers. The last have be aggressed one to the other are not present in a

Summed

