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CRITICISM AND NEWS.

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### Books and Lamphlets.

THE ILLUSTRATED SCIENTIFIC NEWS. Published by Munn & Co., New York.

This is an admirable little monthly, devoted to science, handsomely illustrated. It contains valuable and useful instruction for all classes, and is published at the low price of \$1.50 per annum.

1880. 8vo. pp. 227. With plates. Price \$2.50.

Tyndall and others. The text has been materially and some beautiful photo-micrographs. The work | dred wood-cuts, and several lithographic plates. treats of I. their history, morphology, organization and classification, and II. their physiology, development in general, and development in different media. We strongly recommend the work to any of our readers who may desire to learn just what is known about bacteria.

DIAGNOSIS AND TREATMENT OF EAR DISEASE.— By Albert H. Buck, M.D., Aural Surgeon to the New York Eye and Ear Infirmary, etc., pp. 411. Wm. Wood & Co., Publishers, 27 Great Jones St. New York. 1880.

treatment of diseases of a part of the body very often overlooked or unheeded by the general practitioner. The author has given his experience in private and hospital practice of a large number of cases, which can not fail to be of great value to general practitioners. In the first chapters is given a brief sketch of the physiology of the organs of hearing. This is followed by a description of the instruments necessary to examine the ear, and how to use them, and the remainder of the volume is devoted to the pathological conditions of the ear and their appropriate remedies.

A TEXT-BOOK OF HUMAN PHYSIOLOGY. By Aus-Physiological Anatomy in the Bellevue Hospital Medical College, etc., etc. Third edition; revised and cortected. New York: D. Appleton & Co., 1881. Toronto: Willing and Williamson: Price \$6.00.

This work is already well and favorably known | boro', in the 67th year of his age.

to the medical profession, and the author has spared no pains in the revision of the present edition, which is fully in accord with the existing state of physiological knowledge. The only objection which can be urged against the work is that it is rather large and unwieldly for general use as a student's text-book, but as a work of reference it is highly to be commended. The author we observe adopts the views, in the present edition, ad-THE BACTERIA, by Dr. Antoine Magnin, Trans- vanced by Bowman, and lately confirmed by lated by George M. Sternberg, M.D., Surgeon Heidenhaim and others with regard to the func-U. S. Army. Boston: Little, Brown & Co., tions of the Malpighian bodies of the kidneys. He also takes occasion to air his views on the This admirable little work will be of great inter- production of animal heat in the body, by the union est to scientific men, professional and otherwise, of oxygen and hydrogen in the formation of water. especially in view of the investigations by Pasteur, The latest views on fecundation and the development of the ovum are fully and clearly stated. elucidated by the introduction of several drawings | The work is illustrated with upwards of three hun-

> THE PRINCIPLES AND PRACTICE OF SURGERY. Being a Treatise on Surgical Diseases and Injuries. By D. Hayes Agnew, M.D., LL.D., Professor of Surgery in University of Pennsylvania. Profusely illustrated. Vol. II. 8vo. Pp. 1,066. Philadelphia: J. B. Lippincott & Co. Toronto: Hart & Rawlinson. Price \$7.50.

The above excellent work on surgery will be published in three volumes, and when completed will be second to none in the English language. The author is a man of large experience, both in This is a condensed and practical work on the hospital and private practice, and he is giving to the profession and to the world the full benefit of his talents. The work is one which the profession in the United States has reason to be proud of, as it reflects the highest credit on American surgery. We will not, we cannot, attempt anything like a review of it; suffice it to say that the author has embodied in this great work, besides the principles and pathology of the subject, a thorough description of all the instruments, appliances and manipulations belonging to surgical treatment.

### Births, Marriages and Deaths.

At Napanee, on the 17th ult., Dr. W. T. Stuart, Professor of Practical Chemistry in Trinity tin Flint, Jr., M.D., Prof. of Physiology and Medical College, Toronto, to Margaret B., daughter of Rev. H. Gibson, of Lachine.

> On the 8th ult., Dr. J. A. Gregory, of Fredericton, N. B., suddenly.

> On the 14th ult., Dr. George Burnham, of Peter-

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### Original Communications.

RENAL CIRRHOSIS-WITH SPECIAL RE FERENCE TO ITS LATENCY AND TO SUDDEN, FATAL MANIFESTATIONS OCCURRING IN ITS COURSE.

Being a Clinical Lecture delivered May 28th, 1881, in the Summer Session Course, by WILLIAM OSLER, M.D., M.R.C.P. Lond., Professor of the Institutes of Medicine, McGill University; Physician and Pathologist to the Gen. Hospital, Montreal.

Stenographical Report by S. A. Abbott, Esq., of the " Hansard" Staff.

cirrhosis, or chronic interstitial nephritis.

an exceedingly important and interesting subject light. Pupils of medium size, respond to light, but of study. You know that one of the very first there is a peculiar dull look about the eyes. Dr. questions we ask a patient is, how did the disease Buller reports, "optic discs somewhat hyperæmic begin? The answers got to this question are very and indistinct at margins, nothing abnormal, retina varied. One patient will say, it began suddenly; present. Headache is general. Vomited last night I was feeling quite well; it came on with a head- and this morning. Bowels are freely opened. Tongue ache; I got feverish; I had a pain in my back; I a little furred. Temperature normal. Chest well was taken with vomiting; and various other an- formed; apex beat half an inch outside the nipple swers, all of you have, no doubt, received in ascer- line; impulse slow, heaving and forcible. Pulsataining the clinical history of cases. In another tions 60 per minute. Heart's dulness slightly set of answers the patient will tell you that he can- increased. On auscultation, no murmur; sounds not fix definitely the commencement of the disease; loud and distinct. There was nothing of special that he has not been feeling very well, but cannot note in lungs. Examination of abdominal organs state the precise time at which the failing health negative. Urine clear, light colored, sp grav.

-cular affection to its remarkably stealthy method firm, pulse hard and strong, tension greatly inof onset. There is no disease with which we are creased." acquainted which comes on so insidiously and so The patient improved very rapidly. On the stealthily. Indeed, its victim may know nothing 20th he could count fingers, but could not see to whatever of the existence of any grave disease read. The amount of urine passed has been estiuntil he is prostrated by one of its severe accidents mated, and found to be about 100 ozs. daily. to which I shall shortly refer. It is this insidious Urea diminished, only 299 grains for the 24 hours. course which makes it at once an exceedingly for- The headache has gradually disappeared and the

midable affection and one worthy of your closest

The patient before you offers a very good example of the disease in question, and has many of its most characteristic symptoms. I will read to you a concise clinical history of his case as obtained by Mr. R. J. B. Howard: -

E. L., æt. 31, sailor, large, strongly-built man, admitted May 18th, with headache, vomiting, and partial blindness. Has been a healthy man; a beer drinker and has occasionally gone on "sprees." Has had bubo; no evidence of secondary syphilis. Two years ago lost his nose from frost-bite.

When coming across on his last voyage, about 12 days ago, had a slight pulmonary disorder; the doctor called it inflammation. A week ago he had swelling and inflammation at inner canthus of right eve from lachrymal abscess. During these attacks he had headache, and latterly the feet have been swollen. On the 17th, the headache became much worse and partial blindness came on. Vomiting had been present for several days.

Condition on examination was as follows:-GENTLEMEN, -I speak to you to-day upon renal Well nourished man, good complexion, complains of headache and blindness, cannot see fingers six The various modes of onset of disease constitute inches in front of the eye. Has perception of 1009, acid, contains a moderate amount of albu-Now I wish to call your attention in this parti- men and numerous pale casts. Radial artery feels

vomiting is now checked. The feet are not swollen. particularly those at the bases of the pyramids, and

plained of; but the symptoms which we discovered, ease. and of which he had no knowledge, were—that he Microscopically, as you will see in a section

this man suffers from.

the kidneys are reduced in size. Secondly, on impairment of the function of the gland. stripping off the capsule, you find it is thickened | Associated with the small, contracted kidneys

The state of the urine remains unchanged. The they often project above the level of the substance. circulatory symptoms persist; the high degree of Small cysts are also common, but they are not arterial tension which exists is well shown by this seen in this specimen. The color of the organ, in sphygmographic tracing which I hand round. this special instance, was pale and not reddish. Summing up the chief symptoms which this man The pyramids were reddish, but the general color had, they were: headache, vomiting, and disturb- of the organ was pale grey. These are the coarse ance of vision. These were the symptoms he com- features of the kidney in this form of Bright's dis-

was passing nearly double the normal quantity of taken from this organ, the chief characteristic is an urine, that it was albuminous and contained hya- enormous increase in the fibroid elements of the line and finely granular casts; that his heart was organ. In a healthy kidney there is only a very hypertrophied; that he had increased arterial ten- small amount of fibrous tissue between the tubules, sion, and that there was slight dropsy of the feet. around the Malpighian tufts, and about the arteries This latter group of symptoms which I have men- of the organ. The amount is so small that Dr. tioned, excluding altogether those he complained of Beale, one of the leading histologists in England, when he came in, is alone sufficient to enable you to denies the presence of a special fibroid framework frame your diagnosis of the disease, particularly if of the kidney. But in this affection you will see they occur in connection with slight degrees of that between the tubules, there is a large amount dropsy. There may be exceptions, but in the great of a new growth of fibrous tissue. The tubuli majority of cases they will be sufficient for your uriniferi, instead of being in close apposition, are purpose. The affection which is indicated by them separated from each other by distinct zones of is one of the forms of chronic Bright's disease. fibrous tissue, and the Malpighian bodies are also The three varieties of this disease, characterized surrounded with the new growth. The arteries are according to the special morbid condition of the much thickened, both in the adventitia and in the kidneys, are: first, that associated with the large muscularis. The condition of the renal epithelium white kidney; second, the form associated with in the tubes varies a good deal. In some tubules the waxy kidney; and third, the form associated you will find it healthy looking, in others it is with the contracted kidney. It is the latter which degenerated, granular and fatty; so that in reality the essence of the process is, just as in the case of Now in this disease the condition of the kidney the fibroid lung of which I spoke to you the other is shown in the description of these organs from day, and as in the case of the fibroid liver, an overthe girl who died in the hospital ten days ago, and growth of the connective tissue of the organ. This the post mortem on whom most of you saw. Firstly, produces atrophy of the secreting structure, and

and opaque. Thirdly, the surface of the organ, you have a remarkable condition of the circulatory instead of being smooth, presents a number of system. The arteries of the body are thicker and irregular nodular projections, or granules, large firmer than is natural, particularly the smaller ones. and small,—hence the term granular kidney. In There is usually atheroma in the larger vessels. stripping off the capsule, portions of the kidney With reference to the special change which goes substance adhere to it. Fourthly, on section, the on in the smaller vessels, there is still a great deal organ cuts with great resistance, and it feels tough of dispute. Drs. Gull and Sutton believe that the and hard. Fifthly, on examining the organ, you change is chiefly in the outer coat. They call this find that the cortical substance is greatly reduced, degeneration arterio-capillary fibrosis, a fibroid forming a very narrow zone above the pyramids. change in the small arteries and capillaries. Dr. In some places the pyramids approach to within a Johnson believes that the change is chiefly in the line or a line and a half of the surface. Sixthly, middle coat, resulting in hypertrophy of the musthe arteries are noticed to be unusually distinct, cular elements. Drs. Gull and Sutton hold that

the changes in the arteries and the changes in the case is shown by several circumstanees. In the kidneys go on simultaneously, and are both the first place, if you keep a patient with this form of expression of a common cause; whereas other kidney disease absolutely at rest the amount of urine writers think that the changes in the arteries are diminishes. This fact hasbeen established by Bartels secondary to the changes in the kidney. In addi- after several very careful observations. At rest the tion to these muscular changes, the heart is found | blood pressure is not so great as when the patient hypertrophied, more particularly the left ventricle. is moving about, as the pulsations of the heart are It is increased in thickness and the muscular walls | not so forcible. Then, so soon as hypertrophy of are hypertrophied. Thus, cirrhosis of the kidney, the left ventricle begins to fail, when degeneration arterial degeneration, and hypertrophy of the heart, comes on, the amount of urine diminishes while its are the three main pathological features of this form | specific gravity increases. of Bright's disease which you meet with in a post | Among the most remarkable symptoms of chronic mortem.

constant symptom, is supposed by Traube to be the symptoms grouped under it were all believed due to the increased difficulty with which the blood to be due to the poisoning of the blood with urea. circulates through the kidney, owing to the destruc- That view has now been considerably modified, tion of a large number of Malpighian tufts. It is, but the old term which embraces these symptoms according to this view, a compensating hypertrophy, is still retained. I shall not speak fully with referthat is to say, hypertrophy makes up for the de- ence to the supposed causes of uramia further than struction of a considerable vascular area in the to mention that some still sup; ose it to be caused kidneys. Others think that the hypertrophy is the by the retention of urea; others, that it is due to result of chronic changes in the arteries, in which | the presence of carbonate of ammonia in the blood. the arteries of the kidney participate. Bright's A third view is that it is neither of these substances, view with reference to the hypertrophy of the heart | but those bodies which we call the antecedents of was, that the blood in kidney disease not being so urea, creatinin, tyrosin, &c., the various nitrogenous pure as in health, did not circulate through the ca- excreta, or the products of the waste of the tissues. pillaries of the body with the same facility; hence A fourth view is that these symptoms of uræmia are the need of the heart to increase its force of con- due to cedema of the brain. traction in order to propel the blood.

large amount of urine secreted. This man has been coma, sudden cedema of the lungs or of the glottis, secreting double the normal amount of urine. This inflammation of a serous membrane, pleurisy, peripressure. As a rule, the greater the blood pres- reference to what I am going to tell you later as to sure within the renal vessels, the greater the amount | the insidious nature of this disease. You rememof water which is filtered through the Malpighian ber that when we first saw this man we did not tufts. Though there is a great destruction of these think of any kidney trouble, but from his symptufts in renal cirrhosis, still the compensating hy- toms and appearance that he most probably had pertrophy of the heart is not only sufficient to some cerebral disease. When I first saw him counterbalance their loss, but even so to increase on the day of his admission my first thought was the pressure in the remaining tufts that a larger that he had probably cerebral syphilis, mistaking amount of urine is filtered off. That this is the the ragged condition of his nose for an effect of

Bright's disease, are those which come under the The hypertrophy of the heart, which is a very heading of uramia. This term was first used when

Now, among these manifestations of uræmia some A knowledge of the condition of the heart and are trifling and others are exceedingly grave. arteries is a key to explain many of the symptoms Among the minor manifestations may be mentioned of this form of kidney disease. Thus, one of the re those which this patient has suffered from-headmarkable features of this disease, remarkable in con- ache, vomiting and impairment of vision. The trast to the other varieties of Bright's disease, is the more severe symptoms are convulsions, delirium, would appear to be due to the hypertrophy of the carditis and meningitis. This patient before you left ventricle, and to the increased blood pressure has only suffered from the minor manifestations of within the arteries. You know how much the uremia, but I would like you all to have this case watery part of the urine depends upon vascular fully impressed upon your minds, particularly with

length of time-in this man only three days- about his children who were ill. small hemorrhages, and with these there is usually his case. so severe as in the uræmic amaurosis.

hosis of the kidney.

rium or coma.

lues. He had the vomiting, the headache, and the "in radiant health." The examination of his disturbance of vision, three important symptoms of urine by the attending physician showed the preintra-cranial mischief. I would direct your attention sence of albumen and tube casts, and the diagspecially to the disturbance of vision inasmuch as nosis of chronic Bright's disease was made. He it is an important symptom, and you will probably become comatose and died in a few days. I saw not see this form of visual disturbance for some him a few months before his death and he looked in time again. It is what is known as uræmic amaur- his usual vigor. He made no complaints of failing osis. I mention it because I wish you to distinguish health nor were any alterations perceptible on his it carefully from another form of impaired vision countenance. Six or eight months before he had common in chronic Bright's disease, viz., retinitis had considerable domestic and mental trouble, albuminurica. In uræmic amaurosis the cause of owing to the sudden death of his tather, and he the impairment of vision is cerebral. The exam- had not been well for several weeks at that time. nation of the retina is negative. Its clinical fea- but apparently had recovered completely. He tures may be briefly summed up in the rapidity of had no idea whatever that he was in this dangerits onset, the shortness of its duration, and the ous condition. It is to be noted that prior to this quickness of its departure. It rarely lasts any attack he was a good deal worried and anxious

whereas in the retinitis albuminurica, the impair- The first manifestation may be delirium passing ment of vision comes on slowly, the cause is on to coma. That was seen in the patient named peripheral, and there is a definite lesion in the re- Weir who was admitted on the 7th of May. I will tina, chiefly seen about the macula, in the form of briefly call your attention to the main features of

some swelling of the disc. In this form the im- This patient was a vigorous and healthy man, pairment of vision comes on slowly and is rarely aged 44, a foreman in G. T. R. employ. Habits temperate for past ten years, previously had been But that to which I wish specially to call your a drinker. Had been in usual health, but had attention to-day—and I am sorry to have had to complained of headache, and his wife stated that take up so much time in clearing the ground—is he had passed water more frequently of late. On the fact that these severe symptoms of renal cirrhosis May 6th he was admitted with an active delirium may break out in all their violence in an individual which had come on suddenly 36 hours before. who may consider himself in perfect health, and who Urine found to be albuminous and contained may be so considered by his friends, and even by his granular casts. The symptoms were regarded medical adviser, if the latter has not carefully examinas uramic. He became comatose on the 7th, ed into his case. The case of the patient who was and he died at 2 a.m. on the 8th, after an illadmitted under my care on the 7th of May, and ness of a little over three days. A point to be who died after a residence of two days in the noted in connection with this case was that the hospital, has directed my attention to certain points patient had had a great deal of mental worry at in connection with the insidious course of cirr- the time as a strike was going on. The post mortem did not reveal extensive renal cirrhosis, as was The first manifestation of the disease may be the anticipated, for the kidneys, as you see, are not onset of severe cerebral symptoms, convulsions, deli- reduced in size and do not present the external characteristics of interstitial nephritis, but they Cases in point are as follows: -A friend of mine, were firm, and on microscopical examination there aged 30, a fellow student, and a man whom I had is evidence of a chronic nephritis. The arteries known since 1863, a graduate of McGill College, a are thickened, some of the Malpighian tufts are destrong healthy man, and in active practice, was generated, and there is an increase in the fibrous suddenly seized with convulsions which came on tissue about the capsules. A fact to be learned at night with few, if any, premonitions. The day from this case is that severe uræmic symptoms may previous to their onset he had done his work as develope at a very early stage in renal cirrhosis, usual and appeared to be, as his wife expressed it, even before the characteristic contraction of the

organ occurs. This is, of course, very uncommon, was taken to the hospital and we examined his urine, but that it does take place is evident from this which was clear, albuminous, and contained numer-

the onset of cerebral symptoms in this disease was ed from any special symptom pointing to renal disthat of the girl who died about ten days ago, and ease. He had been attending to his work as from whom these kidneys were taken She was usual, though he had never been very strong, and on 26 years of age, and up to the time of her admis- several occasions I looked at him thinking he sion to the hospital had not suffered from special might have some constitutional disease. He did symptoms of kidney disease. She came in suffer- not look healthy, but the only things he had coming from headache, vomiting, and hæmorrhage plained of, had been occasional headaches and from the nose, uterus and navel. She got dizzy, palpitation of the heart, and so far as I remember had convulsions, became comatose and died. he had not consulted a doctor. The urine was albuminous and contained casts. Another case in which the first severe symptom The condition of the kidneys was as you now see of renal cirrhosis was apoplexy occurred under Dr. in these specimens. The occurrence of hæmor- Ross' care two years ago in 23 Ward. A woman rhage is worthy of your attention, as it is occasi- came in with hypertrophy of the heart, high arteronally seen as one of the severe symptoms in ial tension, albuminous urine, and casts, finely Bright's disease. In the case of this patient it is granular in character. Cirrhosis of the kidney also worthy of remark that she was friendless and was diagnosed, and she was placed under suitable had been ill-treated for years. These three cases treatment. Three days after admission to the will serve very well to illustrate the fact which I hospital she died in two hours with an enormous wish particularly to impress upon you, namely, apoplectic effusion into the brain. that severe uraemic symptoms may be the very The arterial degeneration in this affection renders first manifestations to the patient, to his friends, or the vessels fragile, and the powerful contraction of

is also very evident from a consideration of the apoplexy occur in connection with contracted kidmedico-legal aspect of such cases. You may be neys, owing to the existence of these two factors. called to attend a man in a profound coma, who has been stricken down suddenly without any pre- itself is by inflammation of some serous membrane, monition, and while attending to his business, and the pericardium, the pleura or the meninges of the he even may die in three or five hours under cir- brain. cumstances at first suggesting narcotic poisoning.

The first manifestation may be an apoplectic seizure. down stairs prior to my lecture at the College, one of the veterinary students, aged about 25, while coming in through the side entrance, was taken with apoplexy before my very eyes. He leaned against the wall and stated that he was powerless in his left side. We helped him into the waiting-room, and from the suddenness of the onset I supposed at once he must have heart disease and apoplexy. On placing my ear on his chest I perceived a pronounced, heaving impulse of the heart but no body was fibroid kidneys, perhaps of gouty origin, murmur. There was marked cardiac hypertrophy. as gout may be a very important factor in the pro-By the time we got him to his boarding house the paralysis was complete on the left side; he had lost which I will direct your attention is adema of the consciousness and was becoming comatose. He glottis, or more frequently of the lungs.

ous casts. The arterial tension was increased. He The third case illustrating the suddenness of died in 24 hours. That young man had never suffer-

his physician of the existence of kidney disease. the hypertrophied left ventricle is a source of con-The importance of a knowledge of these facts stant danger. A large proportion of all cases of

A third way in which this disease may declure

A case which early called my attention to the insidious nature of this disease was the follow-In October, 1879, one afternoon as I was going ing:—A florid, full-blooded Englishman, an old sailor, aged 63 years, who had usually enjoyed excellent health, though he had occasionally, I believe, suffered twinges of gout, was suddenly seized with symptoms of an acute febrile affection, had high fever and considerable constitutional disturbance. To make a long story short, he died at the end of four days of acute sero-fibrinous pericarditis. He had a large exudation in the pericardium. The only other disease found in his

The fourth sudden manifestation in this disease to

Three years ago an old man was brought from the accident with the subsequent event. My the left lung were diagnosed. He refused all to account for the apoplexy. treatment, and died within 36 hours of his admis- In the other, a middle-aged man had insured his were casts.

Now, among other symptoms which I will only you may go over a dozen sildes before finding one. mention in connection with this chronic form of A patient may come to you who is passing a symptoms to which I will not further refer.

the House of Refuge to the Hospital, suffering opinion was asked, as the friends had some idea of from intense dyspncea. On examination of the contesting the case in the courts, but the existence lungs hydro-thorax of the left side and ædema of of renal cirrhosis was to my mind quite sufficient

sion. The post-mortem revealed small contracted life about seven months before his death, which kidneys, intense cedema of the left lung and hydro- took place quite suddenly. The autopsy disclosed thorax of the opposite side. The effusion and very great atrophy of one kidney and a large red transudation of serum takes place sometimes into state of the other. No very satisfactory report was the pleural cavity and sometimes into the lungs. obtained of the state of the other organs, and the In this case there were no adhesions on the left actual cause of the sudden death remains doubtful. side, while in the other side there were extensive But I have no doubt whatever that it was connected adhesions and the transudation took place into the with the condition of renal inadequacy. My opinlungs. There was no cedema of the legs in this ion was asked as to the possibility or probability of instance. The urine was albuminous and there this man not being aware that he was unsound at the time of insuring. After the cases which I have An interesting point in connection with the narrated, illustrating the latency of chronic renal occurrence of this cedematous effusion is the fact disease, you need not ask what my answer was. that Traube attributed the uræmic symptoms in From the point of view of life insurance, there this disease to the serous transudations, and the is no disease about which a company should be post mortem of the man Wier favors this view, as more on its guard. Its peculiar insidiousness will there was considerable cedema of the membranes of have become evident to you by the cases I have the brain and a good deal of moisture throughout cited. The stealthy nature of the disease is increased by the fact, that albumen is not constantly These are certain of the modes of termination of present in the urine. A single examination is not cirrhosis of the kidney with which you should be sufficient to enable you to state positively upon its acquainted and which it is exceedingly important presence or absence, and it is often very slight in amount; and though you may examine for casts,

Bright's disease, there is the occurrence of a dysp- large quantity of urine, so that he has to get up, nea, uræmic asthma, without evidence of cedema perhaps, two or three times in the night (that may of the lungs or chronic bronchitis, dependent upon | be what he comes to complain of); the urine is of cerebral causes. It is of rare occurrence, but it is low specific gravity and contains albumen-pera condition which you should bear in mind. The haps only in traces. The daily amount of urea is bronchitis, the vomiting, and diarrhoea are also decreased. It deposits, not a thick heavy sediment, but a light cloudy one, which on examination The importance of a knowledge of these symp- is found to contain hyaline and finely granular toms and these sudden manifestations in renal casts. There may or may not be cedema of the cirrhosis cannot be over-estimated. I have had ankles. If you also find on examination that his two life insurance cases referred to me within the heart is hypertrophied, that the arterial tension is past few years, both of which bear directly upon increased, you may be tolerably positive with refthis question. In one the patient had an Accident erence to your diagnosis—the man has fibroid Insurance Policy. He fell on the ice and was degeneration of the kidneys. To be forewarned stunned; felt unwell for some days, but did not in such a case is to be forearmed, and a knowledge see a doctor. Three or four months after, I forget of what you may expect in these cases will enable the exact time, he was seized with apoplexy. The you to take measures for the prevention, if possipost mortem revealed contracted kidneys. The ble, of the severe manifestations of which I have question was brought up as to the connection of spoken. If a patient comes before you with these

symptoms, you should see that the amount of his soft, doughy feel, was largest at the ankle, and had urine is kept up, and on no account allow it to no bulge or projection at the calf. I gave the diminish; that his pulse is kept thoroughly well opinion that there was arrest of growth in the right regulated, and that he lives a quiet regular life and leg, but had to say that the left had some peculiar does not go to any excess in eating or drinking.

a treatment of symptoms. Acting with cathartics opinion. The child was merely treated for his upon the bowels and keeping the amount of urine general health. up to the standard, are among the most important | I saw the child occasionally as I attended other means to be taken.

to the class on the occasion of the above lecture there was soon no doubt as to the abnormal growth was recently discharged, feeling as he expressed it of the tibia and fibula. quite well. He was still passing about 80 ounces | Some seven years ago, when about thirteen, I of urine in the day, with albumen and a few casts. exhibited the boy at the meeting of the County of He looked well, fit for life insurance, and would Haldimand Medical Association. At this time, pass in many examinations such as I have wit the disease which at first was confined to the legs, nessed. Yet I know of no more likely candidate had invaded the thighs; there was enlargement for sudden death than this same patient, who has above the knee, and the femur was some 34 of an the sword of Damocles hanging over his head, inch longer than its fellow. The patella was ready to fall with fatal effect when the tiny hair broader, thinner, and flatter than natural. which suspends it is suddenly broken by the onset of convulsions, or one of the other accidents to quite five inches longer than the right. The weight which such patients are liable.

#### ELEPHANTIASIS.

BY T. T. S. HARRISON, M.D., SELKIRK, ONT. (Read before the Ontario Medical Association.)

This case which I bring before you with some doubt and hesitation, I have called elephantiasis. It has this characteristic of that disease, that the affected limb is enormously enlarged. It differs, however, from the typical elephantiasis in the absence of the thickened, indurated tuberculated and cracked integument.

parents. Parents, and brothers and sisters, healthy; the mother's family consumptive; the maternal his night's rest. grandmother died of cancer.

affection of the soft tissues at least. The mother The treatment of the affection is in great measure said that other medical men had given the same

members of the family, for several years. The size Note.—June 7th. The patient who was shown and length of the limb increased so rapidly, that

Then the entire limb was, I think nearly, or of opinion was against surgical interference, though amputation, resection of the bones of the leg, ligation of the femoral artery, division of the nerves, etc., were mentioned. For some years, until he was about eighteen, the deformity increased, but the mother thinks it is now stationary; she, at least, has not to increase the size of his stockings since that period.

You see the state of the limb to-day. The enlargement has extended up the thigh. The femur is nearly two inches longer than its fellow. The circumference above the knee is four inches greater than that of the right, while the circumference at the ankle is 13 inches greater than that of its fellow (the right leg 8½, left, 21½ inches.) Patient, aged 20., Canadian, born of German This size (at the ankle) would be increased, were he to keep long on his feet, and diminished after

In the cut you will observe the right foot rests J. A., at birth was healthy; a very large, fine, on some books. These, though they do not child. At the age of two and half his mother bring it to a level, are 5 % (five and seven-eighths noticed that one leg was growing faster than the inches high.) The femur is bowed, so as to take other. I first saw the boy when about three years nearly, or quite an inch off its length. It is inof age. I then found the left leg decidedly the creased in size and altered in shape, the spine longer. The right was normal in contour, while at the shin entirely absent. The skin is soft, the left was not only longer, but larger and abnor- and with the tissues it covers, has a soft, flabby mal in shape; the skin hung loosely and it had a feel. The hairs on the affected parts are very