Mewow exhaustron,

A review of the origin and growth of the term, of
the comparative frequence, of the disease, and
of its chief clinical forms, clossifications, lymptoms,
chiagnosis, prognosis, explanatory theories, and
treatment.

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## Introductory Review

It cannot be said that the morbid condition tumed newraltheria has not been dufficiently considered in this counter yet when we take a broad view of the Soligeet, and observe how profitably and creditably it has been handled and developed alchoad, we may be exensed for regretting the hostility to nuch exhibited, in recent years, against its consideration and developement at home. This hostility is not easily accounted for ; but as it exists, and as it is somewhat painful to feel oneself in the winority, and as it has excreised a Vighting influences whom the growth I general knowledge upon the enligeet, it may be well to place our. selves outside its influence, before attempting a presume in Teteral of the causes, Symptoms, Clinical forms, theories, ete of the malady. Duhafes the best way of doing this is to take as broad a view of the development of the Subject as our space will fermit. This is all the more necessary, linee it does seem as if Beard's position when he first sutroduced the term, and the state in which he then found the layest have not been properly understood, and as a result observe Fistorted, and narrow notions have

Iften occupied the place of the clearer better formed and broader notions, which undoubtedly accompanied the introduction of the term. For some time previous to his first public lettere on the subject in 1869, " Heard had found it a matter of necessity, in describing recording and Andying cases, to emplay the term neurasthenia, to express the morlish that that was commonly indicated by the more indefinite florase nervous yelianstim. It is important for us to observe that he did not then claim to have discovered any new morbid state, but simply finding the subject very much in the air, he felt himself, on account Phis Polition as lectures on newous diseases in the University of How Yorks, influenced to a special study of those commonly known under the above mentioned plirase. It is necessary to note also the assistance which he alknowledged in his first lecture as received from others. Mandsleys writings, in particular Lean to have exercised a very suggestive influence upon Dean's hain of thought. In his work on the Shysistogy and altology of Mind Jublished in 1867, Mandsleyfelt Ibliged through the views therein advocated to take into special consideration all that related to the functional activity and the untrition of the nerve cells, and probably no better timed study of these Conditions could have come into Beard hand Halphied frim with an abundance of very clearly expressed physiological the Boston Med. and Long. Journal, 29th april, 1869, Voli # D. 217

reasons for the Support of the position which he look up, and it is to such a gramdwork more than to anything else more even than to Benot own development of the Subject that we must give the credit when we contemplate the unshakeable nature of Beard's Conception. Thysiological facts conclaining the new cells were practically at far advanced then as they are at the present day, and it may tasely be asserted that, even with the enormous inpulse which the term renra Ithining has given to investigations in this direction, nothing finer has lince been written concenning the various causes which affect the functional nerve centres! It is there clearly pointed out that the nerve cell is no inexhaustable fountain of force but must take in from one quarter what it gives out in another; and that if due time be not allowed and perper traterial be not enpolied for the development of its highly with Structure by the assimilation Junatter of a lower quality, then intivitationaling the lest innate constitution deteriora-tion multensue the power of vibrated blood to act inquionsly or as a direct foison upon the Newe Cells weadfully recognised; as was also the fact that a deficiency I Glood Supply, or I material in it fitted for the untrition of the newe, is to the extent of its excistence a cause of degeneration or instability of newe element. The infurious Mandsley plugs. and patt. of Mind 1867 1976

influence exerted by the Hersistent existence of executive irration was also clearly impolded. The interest of such a study for us at the present time lies in the fact; that there is not as lingle one of all the courses mentioned by Mandsley, Which has not witting the fast 12 years been worked up sulo a new theory to stand as an explanation of the morbid condition, and form now the micher of the unmerous attempts made, mainly in Germany to account for the disease Dut ferlices a greater interest lies in the fact that manusleys clear and suggestive they enabled Deard to form as advanced a conception as we are likely to arrive at for a long time to come, and Which, expressed in the term newrasthenia; is Lingly unassailable, because all our modes of physiological and fathological reasoning support it. another to whom Geard acknowledged

indeble Tuest, in his first lecture, was professor austration that, who in the first edition of his practice of Mericine published in 1865 had applied to the Lune condition of the newous system the term neword atheira, and to whom the propriety of considering the condition as a functional affection and the name, were suggested by his colleague prof. Fortyee Barker. De flint described the morbid condition as a common one, especially in large cities and closed a brief but fine sketch of the subject and its treatment by suying that it represented a class of cases with which way physician was familiar of fluts practice of such with which way physician was familiar of

There was thus to begin with no more than the introduction for new term. But it was a term with a Charm about it, and was in every respect what Mraft-Eling in his recent work on newrastheria rightly calls a fortunate one. Offer its introduction came naturally the dabora tion of the morbid condition denoted by it; but here the world to be gone through was enormous, and is indeed unt jet completed. Scattered through general works or Special monographs, in all languages, there existed a Series of morbid forms, generally very ill defined, but con-Sidered at morber entities, and carefully but with difficulty Repl-apart under duch designations as "westable wealness", the newous state", the English malary" "the Vapours" etc.; all of which are but different forms of the fame morbio entity. Each Janguage has a more or less extensive list I such, and to bring these together, to let in relief the features Which they possess in common, to demonstrate the fundaquental identity of all these forms, and to present them as a well market notological group, was the world accomplished by Beard. But he discovered no newly developed condition of the nervous tystem: all was well known and well described before his time. The visceral forms of Henrasthenia which D? Hougais dwell to much upon in 1886. I which he maintained, that no clear or intelligent rescription could be found frecious to the time when D= B.M. J. 1886 Vol 11 D. 853

Weir Mitchell Erb, and Others had drawn attention to the Lulycet, was certainly fully and well described by Landien in the Lile Did of his Man, de pathol, et Te chinque Med in 1873, and probably in the earlier editions about ; and even I the form which it beens the feenliar Meril of Chareot li described to will, there is in Whytes Nervous disorders put in 1765.

12.374, a case reported to exactly in Chareot's etyle, that its could chant as a quadel for each.

all Geards Labour on the enlyest however passed almost impereeived till be published his important treatise in 1880. This work come as a Kind of Engrise upon the Profession. He was then that the striking descriptions and the new terms with which it abounded gave oise to the impression that a new risease - the result of our atvanced Cilisation, of clean and electricity, and the ferocious Struggle for life which is fait to characterise the present time hat developed among us. De Dowele was one of the first in London to lecture upon the subject (13 M. J. 1890 Vol 1 12. 699), and a little later in an address delivered before the Lection of Deychology at the arm Mest. of the B. M. all. in 1880, 52 Crichton Brown informered his hearen that "Menstie affections Secured to be increasing and Multiplying on every hand and that according to D' Geard, an antrican physician, an entirelynen state of the nervous system - a morbit neroonsuls unknown to the ancients of the fathers of 1 0 m.f. 1880 f. 265 Vol. 11

Medicine - has developed among his combiguen during the last half century. Well it became the fathion to think that this was so, and many were the speculations concoming the Courses. D? Crichton Brown was of Spinon that they might be demuned up under: I the increasing complexity of the newous system: If the increasing complexity of life. Henral development be said is still going on in the brain, and the considered it as not impossible that that organ of till increasing in line. Luch our Spinion may be gint in harmony, with the ideas of those evolutions to who as D? Clouston penniks have pictured the man or the Woman If the 30th Centry, as a hairless, legless creature with a ling brain and Little else; but will dearrely dalisfy those who seek to read the future with assistance derived from a stroy of the past. Drifestor Cletand "Loups that" Weither the timeture nor the intellect of man surpass now the Jerfection that it hat reached in ancient Egypt-and Greece; though the Capse I time had proved sufficient for variations and degenerations"; Sout according to to Circhton Grown Heural Tevelopment and brain lize are increasing at buch a rate, as at least to five ground for new diseases within half or century. Auried speculations of this kind did the subject a great real of En 1881 DE Playfair having read Weir Mitchells Evolution, Expression and Sensation & 29.

little world on fat and blood, huslened to bring the ideas this acquired before the profession ", em contributed a paper on the tulyed to the Sancet. A decont paper follower willin 6 months (2) and in 1882 he delivered un address upon the tystematic treatment, and certain allied forms of newrosthenie vicase" to the medient section of the B.M. ass. ann. Med- at Worcester (3) His tiens of the subject and his method of treatment aroused however, very powerful opposition, and in 1886 Sir andrew Clark roundly genous eet the whole Matter, the treatment as much as the term, and Summer up a very Ingorous paper thus: Keturing to my immediate purpose ! Sum up these observations in saying that the term neurasthenia is unseientifice, inaccurate and tuisleading; that the Descriptions given I il Do not include a clear Conside or distinct account of genine nervous exhaustion, and do include a suol of inevherent symptoms borrowed from the most diverse disorders; that for a malady this con-Stituted and containing centagonistics Conditions, no rational principles of treatment are fossible, that in the heterogeneous assemblage of disorvered states ascribed to nemasthenia there may be discovered agroup of exterent and distinctive symptomy Lowest 1491, Vol. 1 p. 85%. " Vol. ii 10. 491. B.M. J. 1882 Vol. ir p. 319.

arising out of mere and theer newousness, and that the general treatment proposed for neurasticina, and applied to this group of Symptoms would probably prove monecessful and possibly disastrous " () Sir andrew clark was not the first to bring this kind of repreach against the term and the breatment. In 1885 Comot (2) had refund to the subject in very limitar terms: "Herrasthemic hier, newrasthemic dort Nemathenic aller wege! Ganz Verschiedenartige Donge werden zusummen geworfen, lehr gleich gultige Vorgeinge mit fehr bedeuteliehen in ein und densellsen topf geworfen, und in Folge dessen durch ein hanfig mangebrachtes Verfahren nur geschadet "(2) However De playfair may have been able to overlook such expressions by armot, it was not possible to do so with those of Sir amoren Clarky. Ac evidently felt it as Pretty severe upon what he had been advocating for the Previous four years, and first of all laught to justify his Position by am attempt to induce the collective investigation Committe to embrace the Subject in the field of their influries. But the committee decided that the Julyest was not jet ripe for investigation by their methods, and expressed the fear that many, eases would now be clusted and treated as new astheira, Which Certainly has no oright to the term (3) Smeet bol = p. 2 1886 Die Heurastheine Ihr Weden, Ilme Gedenting und Gehandlung \$.1 13 M. J. 1886 Vol = p1000.

In 1888 Dr. Gowers seemed to give the subject the last touch by veclasing in his World then published on Dis. of the Ulwoul Sys. (Wol # p. 959) that there was no more justification for regarding Menrasthenia as a refinite malary, to be distinguished from others and seperally resembed, than there is for adopting a limitar course with regard to debility among general or sealls. . and that when neurasthenie patients lech advice there are generally symptoms I were Instrubance definite enough to bring the case into some special category. The use of the word he admitted to be useful or convenient, when the patient Luggers from to many functional disorders that it is difficult to find any one enficiently promiquent to afford a designation. H. voes seem, however, as if Dr. Gowers did not treat the enlycel- with his well known originality, and this way of dismissing it from any special description and referring the reader I his work for information concerning it to his lections on Menralgia, headache, Cephalic Jensations, Lyslena and typochondriasis, is solike a Similar chaple, in famolts work on accomodation and Hefraction in which prestyofin is similarly Tismissed, as to prejudice the reader who knows both. D' Gowers really made the diagnosis of neurasthemin impossible to the general practitioner for before the term could be applied one unst first confest mability to bring the case into any special category; and as it was held that in such cases there were generally symptoms of Move Disturbance Sufficiently definite in character to allow this therefore

the lam newrastherina became the sign of a weak or imperfeet diagnosis Ums a very intolerable sort of position was exented for those who believed in the existence, and especially in the great frequency, of the morbid condition. Eight Tears had been spent in a war funds, and with no progress from a diagnothe point of view Stores necessary to tackde the subject in a different way, and this was chose with somewhat like starting rapidity. Charest a ferfect master in the art of Clinical displays, now took up the Inteject. For a long time he has been specially deservants of a certain chall of patients - Sufferers from a particular form of headache (Céphalée en journe de coisque) - and he recognised these patients again among the newrasthenies of Deard. This led to investigations, and the manney in which he conducted these was well calculated not only to make a great impression in Javany of the wive spread excistence of the Disease, and of its well defined features, but also to re-Juk much of what has been advanced in London. His Datients were brought into the treatre and publicly examined. Shorthand notes, of questions, answers, and the remarks quide by froj. Charest thereon, were taken and these were afterwards published. Case after case was thus examined and commented whom, and reported, till the repitation of the story became really monotoms. But it was magnificially done

aicled by the material contained in the word of his great hospital be was able to exhibit almost every phase of the Malady. In the Chinical Richards, which he drew, the most prominent emdever petrung features of Herrastheine were grouped in the foreground. His Hill made it impossible to overlook them or to allow of them being referred to assied affections such as hysteria to hypochonina. To Charest belongs the credit I having encide the diagnotis of neurastheria easy and certain. De joined hands with Deard over the enliget, to whom he gave all praise for the work done, and beened ever pendy to eschibit with pleasure by means of this or that Johnent, "le tablean charlique que le regretté Beard of new York, a en le grand mérité de degager du chaos de l'ancien nevolisme, et quil a fait penetres dans la Cadre de la dinique neuropatrologique on il recupe actuellement une large place legitement Hor did charest consider the disease a new one: "Ist ce done qu'il l'agrant la Time Maladie vouvelle développée sous l'influence de nouvelles conditions d'existence? J'n'en crois rien, messieurs, Jour ma part la maladee date de lom, Je puise, et pien n'est change a son regard. C'est nous gix avons change en apprenant à reconnaité ce que Donn nous autrésois Dallait mabéren." The chief thing to remark about this time polyclinique du Mardi, 29 a. Jan. 1889.

is the fulling of eminent specialists absort into hime with Beard. Perhaps it might be more correctly put by laying that specialists were now rapidly coming up with Beard, and especial the enormous start which 20 years of minperceived work upon a lound physiological basis had given him. But however that may be charest now identified himself thoroughly with Beard, and in France time neurosthemic is I ten defined as the charest-Beard conception of the
gistale, while Gover's conception is made to do duty as an example of a very different kind.

The rapidity with which the following Mongraphs thereafter appeared in France inviente the interests which chares to between excited. Bowerets treatise was Jublished in 1890, Swillams work in 1891, and Molliness and Vigouroux's in 1893. They all write under the little newrasthemic charest was not however, the first in France to write upon the subject, the first published work on Heurasthemia

was by Auchart in 1882.

as great culturiasin as in France. You kraft-5bing says that Beards work appeared as a revelation to the projession there ( Newvillation Meuras, Bustande, page 34). In 1885 and work on Neurasthenia was published; but the peculiar terms which he created, and with which he filled his worly, probably prevented it from becoming popular. Gienessen, in 1887,

contributed a knowage afth to the subject (Die nemastheme und three Behandling, Seipzig); but it Fished attract und attention, and has dropped as genethout of sight that it is very difficult to convince medical booksellers in Germany that such was ever published. Super there was a somewhat imperentiable delay in getting out a fabilitation work on the subject. During this time Beard's own heatist, as a translation, six considerable service and can through I editions in 9 years. Into years later a translation of Bonverets "La Henrastheine came to its assistance (1892) Willers Monograph then offered in 1893, Jiwenfelds in 1894, von traff Ebings in 1895, and Binswangers - the last and bulliest of them all at the close of 1896.

It might now be taid that all this being to the subject searcely required being placed in a better light, nor is it very possible to feel oneself in the minority. The author Beard is held in the greatest esteem, his term newrasthenia received with the greatest favour, and Mumerous monographs have been written under it by plugicious of the greatest eminenes . Musortmately this is true abroad only. A reissure of beards treatise, after his death fave a reviewly in the first rol. of the fancel for 1890 (p 551) an opportunity of criticioing the work very adversely, and I asserting that Beards work will never take a high place in the liberature of nervous diseases—this of a book which was so readily hourstaked into french, can through so many editions in Germany, and while

was reissued here! Surely that is not impartial criticism But dislike against the term and indifference to the subject by those in authority are Hin manifester, and are very aft to mislead the profession, generally, ash the Importance of the subject for a long time to come. In 1894 D. althous at a disension before the Clinical Jociety of Lundon (B. M. J. Tol T p 246) esepressed his distitue to the term, because it has "Impleasant associations"; and in the lame year It lavage in Thening a discussion on Heurasthenia and its freatment at the ann. Weet. of the B. M. ass. (B. M. J. p522) reflying to his own question as to What he knew upon the subject replied "Twitting, Thave not even tectured on it". That is escally the evil is this country. In one even cares to lecture on it. In-Heasant associations have grown about the term, and so is Consideration is tacitly avoided by those whose duty it is to Do So . a glance at any of our medical Catal oques will thow that we possess no proper monographs on the subject, and till quité récently, even foreign Monographs could not be found in our best libraries in a sufficiency to Juc a latisfactor idea I what it all meants.

### Comparative frequency of the disease

It is till very necessary in entering upon a detailed consideration of new astheria to gament against the reproach of seeing if everywhere. Such personel has as we have seen been pretty Treely expressed in England: In Glunny, and brought a limitar kind of complaint against the advocales Itte subject: "Herrastience hier neurastheme dort Thewas therie ally wege! In France this tendency has been more pleasantly rivienled this; "Soul inviviou qui prend Jemme on tabae que est charitable on passionne est un neurasthénique" luch warmings are very necessary, but they may intimidate too much, and it is ferhals enf. freient to have them expressed to thikingly Do Goodharts in introducing his Barbeian Lectures on the Henrolie clement in Itseall to the Harveian fociety of fonton is 1892 (3 Janeel Vol T p 124) anticipaled such Criticism as much as Possible by elating, that he argued from the conviction which how been forced upon him by losting through his notes of cases, Which he had seen and his experience I many years by Whiel he came to the conclusion that the maladies which owe their origin to a faulty action of the nervous System, are I more frequent-occurrence in practice, than are even Phthisis, heart iseale, Orights Fiseale, or expanic hepatic Disease . You trafft- 26ing ( Hervostal und Heurasthetische Zustände, p. 35) supports this Thinion of Goodhart very though

" Man vergesse richt dass die Jahl soleher Branker heutzutage Jegion ist und weit Die Ziffer der Herz-, Leberund anderer Brankheiten vegetativer Organe übersteigt. These for the general practitioner are observations of extreme importance, and commot be too

widely known; while their multiplication on every hand bear lestimony to the one Siver clinical advance of the gast 40 years. Chared was one of the first to express a wish for more definite information in the form of Statisties, and his pupils ever

anscions to Tis linguish themselves in the eyes of their master.

applied themselves with considerable Zeal to the enliged. But

it is evident that till the conceptions which authorities have Figer less, Statisties are comparitively useless. It will be

more fertilable to wite how our notions of the prevalence of

the disease have extended themselves.

at first Heurosthenia was thought to be almost exclusively an american risease. This was howard lson Disproved everywhere, and they a new notion arese, namely that It was a giseuse I the educated and higher chastes. In 1896 De Hayfair (6.91. J. Vol. 7, 1.853) declared it to be a disease chiefly I the cultered classes", and in 1892 DE Goodhard claborated this idea somewhat, and was Johnson that a differences Such as exists between the lower animals and Man, exists and are seen in a limitar y less marked Way, between the lower and upper grades of society. Luck riggerences, Goodhart considers, explain why the upper classes " are more the frey

I Menstie affections. In the literature I functional servous disenses there is much to beforet the beining truth of Such assertions. Indeed all through the literature of the Subject we find Mankind more tharply gioided into challes - the higher and the lower - than almost anywhere the Jean learnely think I a single recorded cale which soes not refer to the proverbial "tady fwealth and importance", or to the Similiar Dorfoon "high in Office" or "of lone ranks" of it may be "the distinguished lavant" The interesting Pointo in the Muesses of Ench are Tetailed with wonderful minuteness, and To finely commented upon as to make the Shirty I such one I the most Telightful ways of againing a knowledge of the lubject But now we are lot of that the lessons to be Derived from fuch cases go not admit of afpliestion to all quen and we are led to infer that the relations of such to the lower classes is about the same as the incidents of fiction are to those of actual life. Dut is it to ! are the upper classes more subject to neurotic affections than the lower of Charest winoutly in cepty to to playfair, in 1889, showed core after case to Prove that such affections are not the exclusive privelege of the great ones of the earth, but that they also exercised their Power over the working classes everywhere". He found that even the Vagalont of Paris Suffered from ouch Fiseales, and learned when he wished to Trees on interesting case of Jecons In Mardi 1899, p. 256

Such in view, wit to question the Patient to clothy about name address ele., or the person was apt to mismlespret the interest thus taken in him and absent himself accordingly. Itrimpel in the talest evilion of his Tehrbuch Der epeciellen pathologie und Therapie (10th 4 Dil- 1896 p. 606) has objected against the idea that neuraltheria is beeighly a disease of the "Tomester" and higher classes" and lays that it is to be found also among the medneated and the lower classes, though it expresses itsely in somewhat offerent forms. It is instructive to think why Strimpel should find it necessary to lay so, so take as 1896. It is a groof of the extent to which the erroneous notion yel- prevails. How however, that we have come to far right it is possible that we may get go further, and it might book le Pallible to prove that nervous disorders really prevail more among the lower classes than the higher . Heeker " in his exmeniely interesting account of the great epidemies of new out disowers which appeared from the year 1027 uptill our own times, pours out, again and again, that it was the lower grade of Society which showed itself most Insceptible to Ench Disorders; and thus through a period of over 800 Jeans distinctly demonstrated that it; and not as D. Good harts assertion would make us believe the higher class, is more easily the frey of morbid sensations, of morbis thought, of morbis action".

Dre Großen Volkskranksheilen Des Wittelalters, von 1.7.C. Heeker, Hermsgegeben son De a. Hirsch Berlin 1865. 19124-185.

Unother matter to be considered is the extent to which neurastherm prevails in the country as Compared with Cilies. The French believe that " La newasthense est pareen effet, chez les habitants res campagnes", and in 1891 a previewer of D? Levillain's "La hemasthème (B.M.f. 1841 Vol it p 452) took how of the occusion to remark that "the Highlander and the agravian Trishman are free from the visease" This feems cutainly a fairly lafe Kind of alserhou to make, for efecialists who are also authorities on the subject are not likely to visit the Higheaner and the agrarian Inishman to investigate the Futt Dit; and one indeed wonders by what wears the addition was attained to. But is it to ! Is there on the face I it any reason for believing such a statement? Might it not him out as the result of careful observation that neurotic affections. and newrallenia in Particular, might be just those from wh the Highlander and the agrarian trishman to Suffer? For peven fears That am opportunity of attenting to this matter, and in one If the healthie St of West Highland Parishes, could in a population of 900, court 23 well marked cases of neurastheria. along with this, I could at any time put my hand whom well marked calls of "Mere newonsness", hysteria hypochondria, Migranc, epilepsy Catalepsy. Graves disease Daralysis agitans, idistey and insainty in many forms; all in a population 7950; and where such existed so plentifully, is it at all likely or con-Ceivable that neurasthems, which is now admitted to be the King of them all, ? a statement that it is absent from Ench

places is nothing more than a mere affection. If the twolf remote highland parish I which I write neurostheries was indeed the most common disease complained of; affer it came naturally the more Closely related neuroses, and last I all came the various organice diseases; fiving in leven years I case of organice heart disease, I case of Bright disease, no case of organice liver disease, and no case of phthisis.

Finally, it would seem that the only place now in which neurasthenia is not to be found, is in our hospitals. D? playfair (B.M. J. 1886 4 of it 853) thinks that herein is to be formed the reason why the visease has been werlooker. Such patients he had never been except in private practice, and as most of our Lystematie writers have rowon their experience from their clinical word it is that emprising that the Dereals Chould have been only partially recognised." It does invest been trange that as one walks through the Wards of our large hospitals, or observes the crowds which flock to the various out patient repartments in connection with them, that neurasthenia is lost eight ?. An occasion favourable to the purpose of Jaying some attention to this swatter remarks in That I found. There were no examples & neurasthenia in the medical wards; the term was not contained in the clinical manuals which I consulted, and its use in conversation & found considered to unnecessary and Dectionable, that it was expedient to let it Inop. This being so in the medical ward, it can readily be understood that the barrons departments, general and special, which clost in some

relation to them, neurasthenic cases were not forms. In one dispensary where Evalelies over 5000 cases of consultation for skin affections the term was never required, and in a hospital for skin affections which tattended for I wouter, watering every patient, the result was the same. In guile as prolonged attendance in Eye haffilals, and centarnly having been present at many more consultations, there never was a single reference to Ucurasthenie asthenopia, nor sid a more extensive aequaintance with ear note and throat gislases furnish me with a single case I neuralthenia. From a Derubel of the writings of Di Playfair, Graily Hewilt and others, it might have been expected that in the departments for viscales of women a Tyferent result would have been forms. This was not to. One Climic for out patients of this Kind Prisited regularly for 2 Months, another for I mouther, without seeing any such cases. at on the clinic for viseales of women I was more fortimate; for Turing & Month's regular observation, during which that every sportmily of carefully inquiring into all cases presenting themselves, I found 2 cases I well marked neurastheria. Itis however necessary to and that these were not at first admitted to be each ! later on a clep in that direction was made by diagnosing them as hysteria as a qualter of fact to lee mel cales

in hospital practice one must go abroat. In Projestor Krouse, Clinic for nose and throat diseases I have got as fine demon-Strations of neuraltheria as one coult garsily with for.

This Tid not hold though of all the clinics but where Luch wear not found, the reason was very apparents. In professor Martin's clinic, where Major gynaeology was chiefly exhibited during the poll- gratuate course, the Ruligeelwas not referred to; while in Drifessor beil's chine where Minor gynacology was tought, and where there was a very large flow of Patients of the lower grate", Henrasthenic cases were common, and formetimes attracted attention to Themselves, and fave Drof. Veil an Asportunity of Commenting upon them by their accounts of the sistress in which examinations set tum, and of the bleeplessness headaches mental repression ete. Which they Inflered from some time afterward; and which made them afraid of another examination. In professor The Denheinis Jost gratuate course on Hewour diseases, Neurasthenia, as might have been expected, held or very conspicuous Place. The guestion naturally arises are such Patients to very rare about our non hospitals and dispensaries,

The grestion naturally arises are such Datients to very rare about our own hospitals and dispensaries, as would been to be the case from the foregoing observations? I think not. We seem pather to interest ourselves so anneh in Observation well marked aljective symptoms, that the surseit those presenting only subjective symptoms, is disquot ingly town, and as Binswanger" puts it: "Curs dieser geimgschäting der Anligetiven Knomkheitanusserungen entsteht Die abuligung, far er Widerwille, eich mit diesen "Wissenschaftlich" micht genamer fhe pathologie im Therapie Der Wissenschaftlich "micht genamer

Jastvaren Brankheitsmenkmalen zu beschäftigen um Ders Gesetzmässige in ihnen aus der tumme der Einzelbeoleachtungen zu erforsehen. It tuis en purpose Ferfeett, to be able to houseribe Luch on Jamon from Binsvanger; for it com easily be under stood that when such holds time in Germany, where the prevailing exception Justina stherie makes the lide-Jed infinitely more interesting to them them own prevailing conseption makes it to us, then the consure contained in it must apply elil more to us than to the Judession in Germony. Symptoms Hered us by neuraltheina. They are not in our usual line of thought. We have to long also, contented ourselves with a ague conceptions and off hand chaquotes fouch contilions as hysteria hypochontina de, that it is not easy to get out of the fut, and when such coiles present themselves at times when we are more freshingly engaged with our more accustomed objective work, Well, time is Then wanting for their proper investigation. Us a matter I fact leeing and heaving are much easily than thinking, and there is much more Pleasure in using the opticalmotespe, the laryngosespe, the hald and theral specula or the lens in skin affections, them in Sitting fall of impatience trying to Virell a Newasthenie's Story into a comprehensive form. The same holds true ? gynacological work. By the binamal method it is to easy to ascertain the eige, consistince, and Josition of the uterus the Ovaries, broad ligaments, sacro ulerme ligaments etc. all at once,

that it is annoying especially when time is pressing, to have to Jorgo our usual Mellost, and waits upon a Raticul's Clory. Or again compare the time required to pum over heart lings, absormen ele, with that required to estimate carefully the functional and untilional condition of the newous system in anch astheria is so seldom forms among the reason which flock to our dispensaries. This much is certain that Them one retires from the observation of dispensary and hospital work into general gractice, Merralthenies once more become a vay purperous and very important class of fatients. This fact taken along with the observations made in foreign chinics, Make I very Invalle, that le soon as time can be spared for the subject, then those connected with our large hospitals and the dispensaries associated with them, will teach us more about the enlighed than they have rome in the Balt.

### Etiology

When we begin the consideration of the courses of new as theine we are once more face to face with the fact that there is very little; y indeed anything, new to be found in resent works on the subject. The conception which then formed of new astheries has, it must be faid, brought our reasonings concerning the causes which tent to weaken the new our system into a more connected train, but that is about all

eived with attention is overwork. Exhaustion is so natural a result of exertion, that its rapid almost immediate
appearance, its meanmon defit and its protonged or permanent duration in newrasthenies, shich is to characteristic
for the or seale, make us look almost invitantary for the
action which had left quel well marked freation. In
1887 Jienssen "Jumished very thing examples of neurosthing
leing produced by overwork, and since then the subjecthad been very thoroughly worked out Justed many writers
consider its to be the key of the Whole matter. Wathing's
writes: "La cause elementaine De la neurosthenic (est le permenage

2 Newsalthene (epissenent newers) 2nd Wit- 12.15

du tystème nevense. All the ordinary ways by which the nervous system com exchaust itself our thus fully considered, as well as all the less apparent ways. Is e.g. in positions of responsibility it is not the work but the worry that destroys the nervous system. In intellectual labour there voes wit deem to be gimen danger y one has been properly trained to buch, but omyone intrained to tuch, buttenly takes of a full foring colorse I il tuch as may be found in our thinkersities, and with only seeks to To it well, but leeks also to do it better than all others, there is great Janger of neurasthema pesuling, and in consequence a spoiled future. The future exists for those who know how to work. In romestic life, whill is very fertile in the causes which produce newastherina, it is not so much the labour required to manifain in establishment that is to be feared, as the summerous little reactions which often accompany it, and Which quarten not to much by themselves as by the thought I how many are to come, and from which Death alone can release Montesquien, the author of spirit of laws, has in his less better known Bersian Letters "Cletter 115) given a wonderfully rivid description of what dome stie preconfort may be and what rous true then is no voult as time at the present gay. Then overwork and worry in social quatters and in quorals news also to be considered, While over-texual intelgence receives probably more blonne than it Deserves.

There is tulk a uniformity of Thinion

among authorities encenning the wil effects of overwork, that there is no need to Iwell here upon it of one form of overwork, however, there is not be same mountily. Mathier evuliders that overwork of the Muscular Eyslin has not been semonstrates as a couse of Neurosthenia (Memasthene 2m Esil: 10. 27/ and om ofinion to this effect to late as 1894 pregines some attention. To the existence of such an we may ferhaps find he some I the other, that new astheria is pare in the country. As a matter of daily Wenvation, excessive museular Calour has long been attended to by me de acande Jueuralheina. Here for example, is a case of a boy giving as good an instance of the efficient form as ever I saw. His business was to run with milh from a mily cart to customers. This involved a good real of Stair climbing, and when one Torrace Thouses on a Country road was thus Enfelied, instead of being alked to mount the cart and get driven to the next; he was expected to hold on belind so as to help lim in purming, as fust-as the horse, between the Places to be leved. His master kept very quick horses and to the runs were very though. A better method for raily exhausting the Thinal new Cells could seared, be imagined, and is a matter I fact in about & mouths they became totally mable to furnish even a very moderate flow of nervous power the legs looked perfectly healty but there was a feeling of continual weariness in them, and if the last was obliged to rum, total exchaustion ensued, and they became quite powerless. He had to change this work for or

different Kind where he had to bland by a Muchine and had Material from it to a barrow beside him the legs in this form I employment got very lette to ov and Deadily improved, so that in 3 Moulles he was quite better.

a coalmon, whose matter liter to be carried swiftly along by a fair of the loggest and most fower-Jul print Casel horses be could get matched, consulted me about weariness and feelleness in his arms, which increased to forverlessness if he had to exercise them long. He was perfectly aware I the fact that overwork was the cause, and lought by every means he could think of to keep his arms fil for the work If the leason. Out the disease progressed. The Spinal gaughoric cells beened to become less and less fit to lupply the jegment power: exhaustion began to afpear more and more quickly when he had to use his arms in driving, till his Master at last noticed his publiness, and as the coachman was a big fowerful well built wan, the why I such helplessness was asked. He had to confess that the horses were too thong for line, and alked to be allowed to get a fair less thougheated; but the master preferred to change the man. Here the Characteristic features of neuraltheina wer appeared after exertion: - Exhaustion papit in appearance, meanmon in depth, prolonget in Turation, and as the arms become capable for work again in the course of an hour or two if relled. it was not possible to view the disturbed function as due to em organic derangement.

a very similar form of newsofthenia is common among form servants who work at forms where the wilking is meanmouly leavy. In them however it is very thin associated with neuritis, the uluar being most commonly to affected.

a much more fineral form Juenas theria is I frequent securrence among wen who have to work along with quachinery. The barrows Hinds of grinding wills which have to be "fed" by worksers, illustrate what I sefer to here. When work begins, fuch a muchine is tarted at a certain exceed, and is con-Stornty furnished with Sufficient bleam to Keefs it foring to. to long as it of fet with material in proper quantities it fock at a uniform rate, if the Eupply falls of the Will becomes emply and the Iteam whirls it points more quickly, to prevent which the Workman has to hung up . Sometimes the Workman the machine in working hours, devotes large portions of his queal hours to preparing his world, to as to have all right und houry. a conscientions workman of this lost, very travely were when fahanet, stay of work for a morning, and to it is merely a Matter of time till be becomes a well marked case of heurasthenia The gastrie form of the visease is that from which he usually Suffers, and often there is very severe gastroodynia, which appears with great regularity about the dame time every Day, except Simonys or holidays.

Luch eases are as a rule , I am afraid,

theated in the usual way, and the fact, that a certain quantity of world, sufficient to fatigue, can cause gastrodynis of an extremely severe thind, is overlooked. D? Graves in his system of clinical predicine substituted in 1843, (p. 576) is the only cuttor to far as I am aware, who supports an inthis matter. In a case of Graves of his fatient: walking scribentarily afterdiment is apt to produce pain with ernetation of wind, and a walk long enough to folique him considerably never fails to bring it on." What I? Graves found time of the spatient is very commonly true of conscientions working them — museular world long enough continued to fatigue them brings on an attack of Gastrotymia.

With the prominence which is given to overwork as a cause of neurostherina, it may seem somewhat extraordinary to seek to accuse involence want of exertion of body or sum, or aversion to toil, as a cause of the same risease. To ciclion brown (BM. f. 1880 vol. ii, p. 265) is the only one who had touched upon this idea, when as I know. He puls it thus:

"The brown steeped in idences may degenerate as well as the brain that is worm and fray of with exceptive toil." The edebrate Dulosopher Kant, in the last word he spoke to us, in a little work entitled "for der quacht des Gemintes durch den blother work entitled "for der quacht des Gemintes durch den blother work either this very subject. I feel it necessary to transcribe upon this very subject. I feel it necessary to transcribe

there a lentence or two of what he wrote; for without tuck Support Efear the wear entertained here to much is it in apparent culagorism to that usually advanced, would be un tenable; and yet forme of the purest forms of neuralthenia Lhave leen, ie herrasthenia face from initability, were undoubledly due to involence and excessive care. Pant here deals with the deceitfulness of the isen which least us to leek long life and health in abuntant ease and plenly of sleep. " Innge oder (wiederholt, durch Mittagernhe) viel Schlafen ist Jeeilieh eben so viel ersparnis am Angemache, was riberhaufst Sas Leben im Wachen unvermeidlich bei tiel führt; und es ist winderlieb gering siel ein langes Teben zu Windelen um Es Großtentheils zu verschlafen. Aber Das worauf es hier eigentlich ankrommt Dieses Hermeinte mittel Des langen Febeus widtesprielt siel in leinem absieht lellst. Dem das wechselinte Erwachung und wiedereinsehlummern in langen Winternächten st für vas gange Newensystem lähmend, germalment und in

Lanchender Kuhe Krafterschöpfend".

Chis spinion by lant is quite in

barmony with the most advanced physiological teaching of the

Present Day: but has not yet received proper application to

the ese planation of neurosthenic conditions. In 1824, D<sup>2</sup>

Angeland wrote a preface to the above little world by Kant,

and Tonched this matter with considerable firmness. He said:

"108 I do not earl too hench if I affirm that the greatest fart

Jour tedious newe diseases, and to called lipasens, are no

Segmes of languis pelsing to bodily feelings and influences.

by Hufeland quotes Binel in support of this statuent, who says that "he san by the general onto pastionale excitement which the facult perstation causes, a crowd of men who has been for years ill and feeble become some and strong, and that particularly the ordinary verse troubles of the better and

more leismed classes to tally visappeared:

This form of hemastheria, it need searcely be laid, is wit found among the working class. For its production the quietness of a comby life, remote from the excitement of cities, with a certain case of evenus hances and Jome misteading notions are required ! have often watcher with the greatest interest the behaviour of such people. Inclined by their own thoughts and feelings, and wer Kefel up to to the Julest application of their principles in his matter, by the Warnings of near and ansions relatives, who see in the appearance of a orsport Sweat on the forehead the possibility I am attack of cold they attain to a perfection in caution Ital is comply wonderful. Here force is thus gradually reduced to the lowest quantity necessary for the fulfilment of the extremely griet pound of daily duties from want of escercise the life in the nerve cell becomes feeble. Unknown to the individual the condition is precarious in the extreme, and the appearance of some highing Vileale - a Will form of dighteria of of influences, is that of a deadly for. One

turnor in the break, and he advised her to come to Gledgow and have it removed. Upon behinning home from the weightowing town, when the evidulation has taken place, the lent for me, and without Unowing that D? Gentson had seen her gave her mother the same diagnostis and the same advice. He whole matter was as limple as it could be imagined, and the was voully assured that the danger was trifting the was in her usual health when the diagnostis pur advice were given, Jet the news rose from the bed on which the was examined: her throught declined daily and in & days the was dead.

Lin uncle of this patient gave me a shocky. He hat been troubled with wantering pains in the abdomen for about a week, evidently brought on by Reding to assist in the thining of a field of young turnips, when the usual labour was searce, and the works was behind. He liffeed luch unusual world to soon as befelt that be was not quite well and took more care I limsely . Ordinary applications removed the fains but they returned from line to time. The Jule temperature and respiration were normal all the time and otherwise he was quite forms. Bling called to lee him one morning about 3 a M. found Tim inufually wealf, and administered lome brandy as the handiest stimulant as he feemed to revive former and inclined to fleep & went with his fond into the next from for about 20 Unimites. Actuming then I forms him fleeling comfortably. It was an fine lummer morning, the tem was chiming traight into the room and while still listening to the breathing I him for a moment to lost outilly feeling may be imagined when theard him laying " His fetting arofu dark, pull up the blind" and I himed to see the man dying: Dear before I could fet his lond I form the adjoining room.

lond from the adjoining proom.

A brother took ill with ripthina. The

greate was present in a very smild form. Very joining and very

Id hat Infered from it, but in no case had there been any
cause for anxiety at any time. But this brother, a fine big,

strong looking Man, lands from the first, and never gave

reasonable hopes In recovery. A condin who suffered

from Graves disease — an illness closely allied to succentium

- look ill with influencyan. The disease was very prevalut
al the time and her otherely was considered to be so light that

Medical advice was not longht. The neset morning the

was found deat in let.

De playfair has defined a Man astherice as a person whose nework system, from some cause or other shock overwork mental chain and loon, actually has brother town --- and is incapable of pulpilling the ordinary duties of life. These newest themes may be defined of persons whose newous systems have been to weakened or reduced by involence or esceessive core, and so on, that they have become incapable of resisting the ordinary diseases

I life. But invect level diseases as we have mentioned are not always necessary to tring about the fatal ent. A simple incomplicated neurostheries of this Kint may become more and more marked till at last the functional weathers of the revous segsten is such that some morning, when the weather is colder than usual, life flickers out.

Elderly country clergymen and retired businessmen are apti to enffer from this form I usuratheria. The former are importunately apt to ching very tenaceously to the deceitful idea, that great care can prolonglife. With them the anascim pules " It takes longer to pust out than to wear out" and they are not ready to admit that There can be farther than theuseloes. They are therefore by maclesille to advice from those about them, and distant freeislists, macquainter with then, can searcely advise for the best. To Such Hant's Word; fince they convey neither advice nor reprosely but are singly word Twisdom ought to be quade Known: "In old age to surse onisely or to allow onisely to be sursed for the more lake of saving one's Strength, by the avoidance of what is incommotions (E.G. the Coming out in disagrecable weather ) or in general the transference of world to author which one could perform for himself and this in order to lengthenlife, such care courses exactly the opposite Viz., am early lendity and thortening of life"

Malmitition as a course frewratheina has been more fully recognised in this country perhaps, then abroad; and fuel authorities as I. Clifford albutt, graily Skwitt, Goodhart, and Playfair, have explained its evil influences whom the nervous Eighten very fully. The Success of the Weir Milchell Lystem of treatment, or as it is Hier limed in Germany the Milchell- play fair Cure, also fives great support to the view that malintrition of the Meroons System unterhies many cases I neurasthenin yet it is Still doubtful whether, after all, Malmitation as a cause of newrosthenia has releived sufficient acknowledgment. In ils consideration grove than in that I any other earle, is to be found the explanation as to why people living in healty country Sownoundings can develope newastheria. In such ciscumstances it Itams, as one would naturally expect mainly among the francest of the fight. Where the Great is not too Plentiful in a family, one or the I the forent is very apt to give up his or her share I the regular lucals to the others. These Detple are Dien also strugthered in such an unphysiological mode of living by false notions received from a fource where one would least expect to find fuch - the Sulpit the warmings often uttered therein against elefishness, and the exhortations to Self Devial are juguently taken too much to heart by a certain lection of our hard working population, which is Cheraeterised by his that they belown goto excess in anything but in hard worth. They are non-sindurs, abstainers if not

in name get in falt, and rurely y ever invulge in holidays or focial recreations. Their regular mode of living causes them to form the bull of our clurch going working class, and When they tisten to exhortalions to unselfishiness and take Jude to heart, in what can they blill fractise it but in renormeing their there of the daily great? It is not in the case I high spirited girls alone that a distaste for indulgence is ocened a therit hather than Therwise, it is a no lion which prevails largely among the betty Disposed of our working population, and it is the often overlooksed coule I many am Ibstinate case of invigestion, which no regulation no new justriction in det leems capable I influencing for good. There is interd nothing wore easy than to beget an indifference to foot and out of this loon grows a distable joor jood. The evil results of such doon become apparent: the surrous centres deleriorate and become impressionable, the Jeeling I well being is loth, most I the other organs are in a condition of general weakness, the Comuch has lost the power of Digesting a full weak and thever receiving fuch, it fradually Elvings till the ability to take a hearty or full meal is to tally lost. In the functional neroons disorders of children Mal. Autition of the nerve Centres Jemands also more attention than is usually fiven to it. Indeed in general practice there are few things worth more than tried attention to proper autition in Children, and in doing rapidly growing people. In this Matter it is ordrendy interesting to wite all through Heelers history of the great epidemics of Herous disorders in the

Whiddle ages, how he ever mentions the feriod of I wretched well and would which always preceded such outbreaks. as one reference to such may be mentioned here, his consideration of the throwhen Des It beitstanz 12.153 I his Volkskrantsheiten des Mittelatters. To Hiselis Edit. Berlin 1865.

It is probable that Beards Hosewation pegerting aleohol inchriates not usually exercisencing all the tymptoms of veroous exhaustron, may find its explanation in the abovetremarks on Maluntrition. Hose who are selfish enough, and otherwise disposed to go to exceeded of theat kind, are not likely to fall into habits of inselfishness in regard to their saily food neither from interest non-insulgence being specially sucritarious non from higher weeks of chuly to others.

by numes theme symptoms as a full the symptoms one sustituted to humas theme alone, but conside I a combination of those characteristic of bysteria and neurostituma. for Joseph on throons visuales invers a sistinct heading and inverte effected term transactic neuroses, and his bieses on the matter have fine occasion to much chaeustion; the majority of specialists offorming his proving that there is no official transactic neurosis. June neurosticina may however, follow whom a accident, and of such charest has in his secons du thandi vol. 1888-89 f. 298 pecorded or very fine case. In fuch cases

Mental block plays a very important fort and may invest be the only injury precioes. Luck coses are common a young woman, for example, went in among tome machineny at which the worked in a mill, to clean it while it was flopped. While there it was let orgains, and her position became thus subtenly one of exhieme danger. Her cries caused the machinery to be from stopped and the escaped without a ferateh; but ever fineover a feriod of 8 years, the has suffered every from a combination of hysteria and themastheria. Railway accidents turnish regularily such costes in large numbers, and it is through each that the subject has reclived its most careful consideration

Many other causes are mentioned commonly at capable of Graduing neuralthenia. The abuse of tea, eoffee tobaces, morphia coesin de: Various general diseases as ugheusa, hyphoid fever, premnome etc., and total diseases expecially when very chronic. The relation between chrome local diseases and neurostheria is bery well expressed in the Jollowing Observation by professor kranse to his post granate Stindents of Hole and throat Diseases in 1894: When you find reflex troubles arising from Fistivibances in the note, examine the ease carefully and you will find that they have a Munasher. ie ground before which they revelope". The patient was a Country clingyman with a Stupit, servous manner Actuficit from Polypi and & Displaced Septim, which caused instation I the husal mules membrane, and he complaints much Ja

Weals memory, and levere headache beginning in the right temple and Justing backwards along the lite of the head to the occipant. He Value of Such a fitting remark to the general pruetitioner is limply incalculable and may well be contralled with Do granly Acwith remarks upon reflex troubles in Chronic uterine disease. DZ Acwitt (Du.J. 1886 Vol. 1 1056) fait exactly the lame thing as 82 Grante, but being unwilling to use the term Heurastheria on clark's attack in the beginning of the same year, he had to use more indefinite phrases Luch as Malintition of the Herre centres, Limetional sisease of these Centres and to on Where the terminology is heritating and indefinite no decided or refinite

## Lorms and classifications

Lew Tiscales are so vielly grovided with Lymptons as wearastheria and before the more important. Ittue are eonsidered in octoid it may be well to look at some groups of them as they present thursdoes in the better known clinical forms of the diseale.

Hutfernal form may show itself as the Simplest: Hull, especially when all appearances of "spiral imitation" or heuralgion in the oxtremities are wanting, and nothing lout a high Decree of weakness is fell in the legs of the exertion the following is the finest example of Such there wet with and it populates the December it that it entit fatally. The fatient hat abbituly withing to complain of but total loss of power offer exertion. The Miles ly viving stecamer and rail. He arrived at his formey's end all right, and performed the business which he had undertaken; but the next morning he had no fower in his legs, and had to be Carried into a cato to be conveyed to the Boat, and from the Boatinto the trap which took him home. Having reached home, and rested housely, the power returned to his legs. Junibar attacks now followed upon any unusual exertion and this condition went on for about 4 years. The first time is low him in one of these Denio II belplessness he was lying on his back in bed and greeted que quite cheerily as usual. I was astonished to find the legs and terms as powerless, and as back, as we usually find

the limbs of the affected like in an attack of apoplesey. The Dowerless position of the legs in the let was lomental incomfortable, to ease which he got the heels puthed up close to the hips, in which Position they were steaded on each tite and mechanically fixed. The arms were not quite to bat, Jet though they were also placed in am easy position close to his body and his right hand convenient to his face, he could not move it to brull a fly from his face, which was tormenting him very much while we were converting, and wh. I watched till at his progress his wife brushed it away. The breath count were to feel that they could not be beard by and-Cultation, and What alarmed me more was that the Julie beatouly 49 to the minute and the heart format were almost imperceptible The bowels were confined and I was informed that at tuch times it was no use giving purgatives, for they sit not work till throughte returned to the rest of the body, and then, y taken too freely, they were apt to cause profuse diarshoca. Ale was quite cheerful under all this: he had had many fuel attacks and True that this one would fuss also, and as a matter of fact he was quite well next Day. The wrine was normal: the heart and lungs , tenammed after coursing him to take a brish wally up a hill and found them all right. He was a brother of the woman who Tied under the wear of having to To through our Speration Consin to the woman Who suffered from Grave's disease and his father had for years Suffered from Paralypio agiland. No trace of hysteria could be diseovered, and as the abnormal condition came after execution and went after trest, it was coinent that no organic Disease was

in operation. At first it required a fourny of 80 Miles to Course this condition of exchantion, but charles journeys from began to have the same effect. Diving 12 Miles to the nearest town became Sufficient and hat to be given up; then were griving I thiles to clurch; then fitting in his high while attending a peneral; then walking up one of the hills on his farm or a Walt along a level road for Ir a wilk on to. Very interesting toward the close I his illness was the fact that a hearty queal leemed to regime all his bringthe during the act of Tigestion, and consequently his limbs became for some time quite fowerless. I watched him for over 3 years and offen fainted out to his faiend the close or semblance between him and the electric Rel. When the indians, it is said, want to cross a giver in which these annuals abound, they first vive horses into the river that the ells may discharge their electricity upon them, after which the cels hie helpless upon the Surface of the Waler and com be fished out with impanily. Lo I showed them it was with my Daherd: let him expend his trengthe in this that or the other way, and he had to be helpless in bed till more was dorsty formed. Even sustaining a colver timperature than usual began to exhaust him, and Iwas gut astonished at being asked to drive over one very cold morning in tebruary, about 6 Cim. to see him Inever law any living thing to limps . It was necessary to lay the head and body perfectly flat on the bed, and cleary the head with the face newards. Hus lying he talked to those about him till lige flickered out. Inch a case may well be tennet one of progressive Meurastheira.

and the very common form of newsthering is the gastrie. In the ease just reconded the patients clourach was pernarkably foot, but any unusual exercise I it, such as the Tigestion of a full, heartily tiden meal, often caused total told of forces in the legs and arms the Teposte takes place here; full exercise If the legs and arms buch as is required in walking and in most. yound of Manual labour, induces atomic Dyspepsia with its Jeeble pulse, colo Jeel , flably longue, loss of appelite , flatulence creec tations Descomport and headiness during digestion Deferessed Spirits and thegash action of the bowels. But swine allacks of gastrodynia are also very common, as a pesult of excessive Minkelar extrase, Working men having very Hen har get through the last hour of the bay's world, in extreme Istress from the gestire pain. Dis returns to regularily on working vays and is to geeiserly absent on fundays and fouring hotistays, that they themselves, usually Fran attention to this Deculiarly, and to make the relation of the gastro Typics to the expenditure Junsenlar thength visible The Ithe worst cases If this kind which fever attended was in a woman, the was a Greatful worker be created more work for hersely and got through it too, than would have belu liffie sent for three. altending to a business to the letting of a portion Ther house

attended was in a woman. The was a Freatful worker the created more work for heroly and got through it too, than would have believely ient for three. Attending to a business to the letting of a portion of her house and the boarders thus acquired to a dairy and to ordinary domestic outies, the would be up at 5 a.m. and never to pell before 11 30 p.M., with searcely a panle for meals. Drivious to becoming my fatient che had enforced leverely from gastrie neuralgia" evidently caused by business everies and boar debto. Her through has been so much pedneed

that when a change to her mothers was considered advisable, the hat to be carried out of the house into a carriage. Here pestand freedom from business worked wonders upon her wasted form; and The Then preferred lovingly to the new health and delight blu felt entering her being, as in her rambles about her old home the felt the fundame around her, and listened to the fungs of the bird! In a chort time the returned a thoughealtry woman, end finding the business which the hat conducted abandones, the Helt To for about I years. Being however I am esthemely energetie temperament the had by this line again increased her opheres Hallivily, till they were too sunch for her Lysten. He gastine neural fire returned, but at first to regularily every Jay about 12.20 that the could take a role I an antineuralgie mixture to want If the fain. Thus the went on fighting the Disease for about 4 Jears, her daily life ever full of work, well directed and well done. The distilled to complain, and When her stomach fave her gut pain on the has no special appetite, the west wittout food. For four moules the liver upon a little arrowroof and Cold water taken three times a day, and fell astonished that under such come her stomach oid not improve. Within the last 18 months Ther life her thurght Save way almost totally and her emaciation become extreme; I'l nothing could sulcome ber restless desire to work and her Determination to get-well. Iften have tobserved her when the thould have been resting in bed, stealing in the guiet hour Jan afternoon during a good Day, Jown the hedgerow of one of ther fields, widently feeling the pleasant limitime and the long of the Birds which has formerly

done her to much good; but keel exertions never failed now to bring on the fain in the Somach. When put to bed and treft there for a vay on two the fain left her and she felli gride well. Indeed the Variation in her symptoms well the fresence on the absence of fain, and this again repended upon activity or inactivity. She visit about to Mouths offir I left the district and the cause of realt, was certified as indegestion.

The cerebral form of new astherine is characterized by weateness form or more of the Mental powers. If the intellectual powers, Sunghe apprehension may be to conoutly weekened that an individual, who looks the fiction of health, may chans before a Toor which be has full locked, and be absolutely incapable I graffing the fact that he has rove to He has shot the bolt to that he could hear it going into its place, he Shakes the door with his hand, pushes it with his time or foot, and sees with his eyes that it is immovable, and yet the ginned cannot grasp the fact that it is locked to as to let him turn from it latisfied. Or the wealness may not be so great the mind May be able to ferceive and take hold of the matter to long of it is before it, so long as the ears, the hunt mustect, the eyes, com again our again demonstrate that it is so . But I the individual leaves the effot; and a few annutes afterwards outs to remember y il be so, seeks to recollect the various proofs concerning it; Then a new quental weatmess of felt. The guemory will not work at all or only with fair and difficulty, and if the attention be strongly Pain ant Confusion endue, and finally, total frothistion puts on end to all public effort. Lor on hour or him the importante leifferer may have to remain in the quickers of a darkened proon the farmost to the street if they can read him torture his leading news almost to the surge of matures, and it is with the quotest rificulty that he can keep his place on a loss to get y possible a chool deep. I his can be sot be wakend up fresh and able for mental exertion again, and for a fluid fropostionale to its intensity.

It is important to Tosewe that the becal Howers of the mind may luffer as senously as the intellectual. The regree I tinterness to Shiel one can attain, and Which me can exhibit toward a bloved being as well as the bringth of gratitude which can be fell boward the creator, and the firmings and brightness of religious feelings, are defendent upon the condition in which the nervous Centres, Subservent to the production of these affections, fut themselves. Here indeed we treat upon Telische Ground. When disorder's of the affections of If the religious Jedings Show themselves, we are all to ready to think that intanity his that-way, and indeed in the present state of Tpinion upon such watters. Might try well be considered mad who would allow such allerations to appear before an untimbing public. It racs been criminal to be wonling in affection and gratifule lowers t beings who are Deserving I such and to whom this is The; and to thuse weatherstes in the social powers of the mind are usually concealed. Out

the neurastheine Hin Julo the loss of Such very Keenly, and y be less that the doelon understant his case will as treatily and as Ladly complain of their loss, as of that of the fowers of fercephon attention and tuemory. With the loss of the affections there is commonly or weakened or lott interest for things in general. The Here for Variety for amusement for news, for business may be absent. a mother may bitterly complain that the comtrala no interest in anything about her wither in the wellfare Her family not in her houselists Juties. When to these Defects we not the loss of def Control and the ready irritibility which characterize newrastheria, and The case with which the most trifling incidents of every Tay life can therefore bring the unjowhmate Lefferer from the Fileale into a perfect fury, we have need I little more to enable us to ficher the state I wisery into Which the neurosthuic way Frift. Drifessoy Tepenheins was in the habit of asking his neuralthenic male fathents, who were married. if they were living with their wives, and the summer of answers which he received to the effect that bat temper on the part of the news-asthenie had forced the wife to trave him was very enggestive.

Justea of advancing my more cales illustrative of the Various forms of nemasthenia, it will probably be more advantageous to for a giew of the classifications of the ganous forms, which the most eminent authors have considered necessary. These taken mostly in the order of their affearance, will also indicate how common is the use of the term abroad, and the mannily which privails concerning its chief forms: Beant - Cerebrasthema Myclasthenia Gastric Henrasthema (nervous syspepsia) Sexual .. Traumatie .. Hemineurasthenia Hystero- Hemasthenia Boweret - Herrathense cérébro-spinale Chiebrale - Cerebrasthenic Spinale - Myélasthéme aigne Wereditaire Jeninine génitale-Hystér-nurasthème tranmatie

The above two classifications are wanting in unity. Regiming us we be by classifying the forms according to their symptomatilogy,

elistogy is accepted at a basis before they end. Levillain coughtto evade this repreach by giving two classifications, the one comprehending all the clinical varities, the other the chiological. They are: I varieties cliniques

Henrine cerebro-spinale commune

Henrine astheme

Menrastheme

Menrastheme cerebro-gastri et cerebro-cardiagne.

Menrastheme gastrigue

Menrastheme exerelle de Beant

Memastheme tranmatique

Hysters newrasthème

Hemasthème héréditaire

Memasthème Jemme

Memasthème male et ontrèse

Mathreis classification is very appropriate to the Jurpose in hand, its leading classes fiving an important and very practical view of the Juliget. He explains it thus: "Three cencemblances are to be effecially considered, because their existence or their absence, immediately furnisher extern important Jacks concerning the chology of the new opather state, and concerning its public evolution:

idea of the riverse possibilities. The intensity of the malady being an important element of which it is always necessary to give in account " (p. 48)

Abeg (gaz des Aspil no 46, 1891) lecting to emplify matters as much as pussible hat proposed the following:

I Henrasthema without excessive pre-Jaminance Jung Combination of Symptoms. Henrastheine generale B Neurastiena with presonmance In Combination Asymptoms holding particularly: a) The circular system: numastime circule b) the spinal system: Hemastheme spinale e) He lympathete fyslin: Mimasthine lympathique

) The peripheral lystem: Memastheine Deripherique

Diked, seeking also for the emplest possible classy eation took, exclusively, the localisation of the anorbit trouble for his arrangement, and rescribed only lise forms: Cérébrale 2 Spinale 3 Nevralgique A Cardialgique

> 3 Gastiw-intestinale 6 Génitale

The resemblance of all the classifications aromed by french authors to Deard's arrangement is very remarkable. In 1885 andt (neurasthence p104-171) perposit a dassification in harmony with his own Jarlieular views upon the subject, and Described 6 fortus: the neurosthenia of infants, of chilshood, of boy and girlhood, of puberty, of maturity and of old age. When

German authorities again took up the subject the elushifications proceeded upon the lines land sown by Beard. Lowengeld e.g. in 1894 GWES this: a) circles as theria 6) Spinal nemasthenia and a Cerebro Epinal form of Wennasthema c) level neuralthenia V, Heretilary numasthema e) Tranmatie remasthenia (12 236-263) In 1895 | Trafft- 8bing gives this: (\$161-201) 1 Cerchasttenia 2 Africal or myelesthenia 3 Gashointestinal neuraltheina Menrasthenia cordis and Vasomotos I Jernal neuras theria a Ivenal Henradhema in The make Dinswanger's Classification (1896) is: ) Menrashenia with fredominating psychichal Fisturbances: a) the hereothary form; 6) the against intellectual exchaustion; c) the hyperalgetic form. 2) The Motor form of neuralthema:

a) with presominant eymploms of irritation;

3) the dyspeplie, 4) the angio-neurolie, 5) the sexual form of heurastheira

Concerning the forms of neurasthena commerated in all the clussifications given, it may be laid that the manimuly among authorities is throng evidence for the necessily of such; yet it quist be admitted that it is impossible always to charply rivide them from each other. The frevoiling conception of neuralthenia, which is that I a general disease I tu rervous eystem lawing it's leat cometimes more in this organ or eystein, sometimes more in that, but ever at the fame time Giving evidences Tils influence The the whole body, is against the Jestibly of this. Wer soes the anatomical and Junctional relations which exist between all the organs of the body gerint this. Tel the fact that all authors have forme it necessary to give a spined and a cerebral form of the risease Show that even here, where the anatomical and functional relationship is I the quoth intimate kind, the newous ex haustion may fall almost exclusively upon one or the They fart. The sexual form of spinal neurasthene is a fairly good example of this, on the one hand, at in it the Mental fowers are wit necessarily impaired, and the most intense regrees I it may be fresent, without marked involve. Ment of vervous function elsewhere, (Lowenfeld Van. p 350)

While in eases of personnect conbrasthena, the Junitions of the body may be little or not at all recreated. as Inventeld Lays ( 4241) Such polients can march contimously climb hills, pow rise and Tevole thursdoesti Thur forms of botily actively, and that very free physical exercise may indeed act decided by for good upon the general health. Is close indeed may the weatiness be confined to even one fortion of the cerebrian that cases occur in which with great provention in the power for wental work, the fleet May be Jesselly undisturbed". Duch Jun Jorns are however pare in prononnew Jours of Cerebrastheria brought on by intellectual overwork, Museular weakness is usually Jelsent; and the

wounced found of Cerebrastheine brought on by intellectual overwork, Museular weafiness is usually follectiff and the working Man who has exhausted himself by over Museular exertion of arms, legs, and toody, senerally shows not only lesenal and Gustie neurastheina as a consequence, but is aft to complain much of weakened memory of infained fower of attention, and of the loss of the social flowers.

## Symptomatology

Twen the elightest glance over the elestifiestions here chosen as examples of such will prepare the nums for the fall, that nevraltheria has an extraordinarily extensive Symptomatology; and the ever varying chinical pictures which may result me Fine to the rumerous ways in which the different organs in the body may, either dingly or lovo on more together, be effected in their functions. The Chapter on lynflomatology has indeed always been a most Typicalt one to write, unt When written learney wer free from reproach. Beard's Lection in his work takes up 80 Rages on the hymphones I herresthena, and a reviewer of his efforts, in the tancel you 1891 bol T \$ 551 refers to it thus: " It is diffuse wordy and without any attempt at scientific arrangement. " Lir andrew clark criticaled it with his usual vigour and laid: When the symptoms let forth as characteristic I neurastherine are Carefully examined it will be seen that they constitute an assemblage of methbreut indications of disorder borrowed more or less freely from inchoali former insanty and from almost every disease of the nervous system; that they are not characterised by any refinite Fisorder, that divisions of them belong to the most diverse disorders, cut that published with some parate as estimate and conclusive evidence of nervous debility they whiteit refects of observing reflecting, and Critical powers, unpartonable in those
who courts on claim the attention of the profession. The value
of such cinticism however, and its apparent vigous and freshness,
are miserably peduced when we know that it is much a pepetition of what and written 8 months earlies, and his
and we clark has only the roubtful honour left; of being about
the only one who accepted anoth spinious almoth without peflection.

Without Tout the richness of symptoms which characterise es general a Fisonder Ithe newous lightim as newrasthenia, is very aft to be confusing, and it became need-Sary to get them properly classified. This was a tally which owing to the genius of their language come perhaps more naturally to French authors than to others, and it has been beautifully finished. The symptoms are now arranged into three lines and Mathien (Vernasthine p 92) has placed each thus: In the first line stand the leading features of the Disease, lome of which we may always expect to find when De disease is present. These are : heatnehe giddiness, lleiflessues Muscular weakness, spinal virilation, and gastrosulestinal sisorders. In the lecond him are to be found certain symptoms which present themselves when we examine earefully the various organs, and the thirt line is composed of objective symptoms.

His last line of Symptomy is the weakest and Mathien left de escistènce in some doubt, de most important sign being the hauslation of the unscular stringth into figures by the use of the dynamometer. Charest always used the synamowelles in his clinical genousfrations; but while the wear involved in its use is helpful, the indications permished can be got as readily and as reliably from an ordinary hand grips. It !! Appenheim has however given a better account of the objective Symptoms in neurasthema ( Lehrbuch Ter Henantrankheilen p 65%) cont be wrranges them to: Inervaled tendow freslencs. 2) Increase of the mechanical virilibility of un sele, and mercase Ithe raser mechanical viribility funce. 3) abnormal initibility of the nervous extens of the heart and palpitation, as well as the Ther Thjeeline offermes I Newsasthenia contis. 4) Vasomotor and leerelory Disturbances. 5) Iremors - bebralory and febrilary. It is not to be expected however, that these Nijellive lymptoms can be discovered in every case The Lecond line of Symploins is of greater value: it Supports the first but is not necessary for the establishment Atte diagnosis. It consists of more or less it squeet and often fransient appearances of visease, Depending largely upon individual Deluliarilies and clistogical evreumstances, which are found by Justing Lyslem after Lyslem through an examination and analyging carefully the etale of the functions.

In the nervous befolim afterfinding disturbances If the intellectual and Locial powers of the mind, characterised by weakiness of the memory the attention, and the Will; irribility of character, melanchity and Morbid fears; we may pass on to find vieturbances gits motor functions and notherbances Thenlation. as examples of the motor troubles me may find Paralyses of the refer or lower limbs, or of both; and the various neuroses peenling to certain trades or frofessions the type I this latter group is Writers Cramp but derangements I'a Similar kind are met with in connection with this receptions, encl as among piomoforte players, violinists, lelegraphists. Tailors Jempshesses Millemaidt, engravers Jomeers, etc. Dihes ( lemaine Médicale 1892 Pho) has drawn petial attention to tremos as a sign Jueuraltenia - tremblement newralthingue. It exists in 2/3 full cales and 11 limiter to that of exopthelmie goitre or the so called aled the humor. It escitations are thort rapid and vibratory, and they are most marked after prolonger exertion or intense emotion. Other motor troubles exist though perhaps less frequently, but as cramps without apparent coule outtime spasms of the neck tonque und asophagus also that Jeenliar form of instability in the creek Posture moion as altasic-abolic

Concerning the reflexes, those of the Chin the abound, cremastine and ghiteal are often distinctly exaggerated. The tendou reflexes may be to increased that Eupping the patellar timbon may throw the whole hind into the air, and coulde closer may shows light of increase also Soverfeld nurresthess \$1711.

Sensation is almost always visturbed, Aintache and backuche form; indeed, two of the leading features of the visease; but Pains may locate themselves anywhere in any of the organs or in any part of the Deriphery . Sensitiveness to changes in the toeather is very of ten reserved. Lew neurasthenies can bear the heat I summer well, and During it's hottest months ench fatients are Then quite rome up. It is to be when also that neurosthemes reach very readily to meticines, and often most intensely to electrical treatment; an almost imperceptible current Hen producing buch disagreeable feelings that the Raticul for long afterwards commit even feel hintely in the Presence of the instrument withoutiseomfort. His is a matter which too enthusiastic advocates for electricity in Hemasthense Conditions should ever remember. Hedley (Lancet 1895 40l 1 191381) by way of making a beginning with this form of breatment passed the weatest perceptible faradie current through his own body, and with his hand arministered, for our or two munites to the Patients forearm, the mildest of labile applications. The patient (a Doctor) was asked to return again neal Day, but gir not come again for a week, and then only at the request I his medical adviser. He then explained that although he was no worse and gribe convinced that the electrisation was as most at it Jossibly could be , still the esequisite sensitiveness I his organisation

was duch; that he has felt pricks and stingings and Conscious are lines". Whyth in his work on Neword disorders published in 1765 relates a similar case. The indipendent referred to was a paralytic fatient in the Edmhurgh Royal Enformany, who felt a pumorhable measurest through his whole body, when it was changed with the electrical fluid, by queans of a wire held in his hand, althos there was no shock given him, nor any speaks Traven from him - page 114. Let Live that querastheries might be laved a great real 7 9ils comfort; y will actual injury, if their elotiments in such matters were received with test about Abnormal substitueness, is not an imaginary evil, but is, as feared remarks, as real as small pox or qualles, and quite at runch worthy of professional study and consideration.

Distinlements If the special organis

Jense are frequent. The extreme lensitiveness of the merely
menous for lond tones and noises is fairly well known; but
the torture which the neurosthenie suffers from such, and from
our immunerable street noises, is indescribable. Hearing is, on
the other hand parely reduced and that too mainly in transmatic
cales. Good harts principles that If 20 cales taken from
his gibte book simulating Memere's Disease on account I would
in the care being associated with gibtiness and faintness, only
one had evidence I car disease, but all the others were
"Very nervous persons"

In the eye beard has noted a passively venous congested condition of the conjunction, associated with

astherine asthers fin . It is characterised by feelings of fatigue and from coming in quickly in any attempt to so fine work such as sewing the. In some cases the fatigue is the more prominent feature, in others fain and irritibility. When the latter is the Case it is frequently reserved to by german authors as the "irritable eye are inglander.

The Disorders of table and fuell Do with Her much worthy of special whice The abnormalities of table are mostly perversions, but the lo Called galvanice taste in the mouth after gahranization of the best and nech is to be quentioned according to Towerfield (page 152) this may last for hours or even a vay on more, and may be to intensive that it is not displaced by the talk of foods taken into the mouth. The lease of smell is Then charpened. Boweret relates a case In girl who at a considerable sistance could tell by buell all the gisher which were being prepared in the Kitchen. Some patients complain of Certain sdours being very risagreeable such as their own perspiration ! have been mable to retest anything abnormal about the finell of the Derspiration complained of nor could I find that the lende of Swell was aftered in regard to my then thing and one is obliged to assume in such cases, that just as abnormalities in the perception I refferent tous is considered as evidence of disease in filres of defend lengths in the basilar Membrane of the exchera to cortain fibres in the new of smell which correspond with euch orours, as are complained of as being too whense are in a thate of hypersensitiveness.

The Symptoms associated with the cardiac John Duwasthenia often require most careful consideration. In the case of the "irritable heart" there may be greatly inerested Juguency and Jones, and a very gistressing, virigular Julpitation: or the action of the heart may be abnormally weak and flow, Occoying the general practitioner not improgrently to the diagnosis I that most observe of organic viscales "fally heart". Inch in euros of Course melises in very gloomy prognosis and I have timour two practitioners of high reputation, Making this mistake, and con-Jining the patient as a consequence to the house or at least never to go out without an attendant" Irealing such a policuli at a Neuralthene speedly brought about improvement, and he apility to afterwards dance heartily at a ball, and enjoy vigorous walking excreises Jung the following furnish mouths, with withing but good, Dispelled the last louch If fear from the Patients Mind; and strengthened the assurance given, that there was nothing organically wrong. The importance of these functional Isturbances of the hearts activity does not frem to be fug-Tierently recognised. Towerfeld (page 185) found tuch troubles in more than one half of all newsasthline cakes. In the peripheral fortion of the circulatory apparatus Sunctional troubles are very common, and the red epot appearing on the nich as the Patient is first Hosewed in the consulting room, and spreading from this over the five of the neels and face, often fourts to the diagnosis. His was a feature of the Disease much attended to by professor

The broubles in the perfectory tystem to wit, as a pule, appear to wigerst is those in the circulatory. Beaut has wited leftoness, jaintness, want of courage, and clearness of tone as characteristic of the runaltheine vovee In 1888 10? Me Drive (B.M. J. 1899 Vol 77, 1116) showed an unusual form I laryugeal nemosis. The patient was a joung man believed to be suffering from Jaresis of the cricon thyroid muscle due to neural themia. The patient's voice approached the folsetto, Bout when proper tension was applied to the courts by mechanical edjustiment from without of the thyroid and Cincoid Cartilages, imilating the action of the cries-thyroid unsele, wound voice resulted. Goodbark is of Opinion (Land 1892 Voli p. 174) that the condition known as dergymans fore throat is that I a very quild catarrh on the one hand, and a want of merve force on the other. a case treated by me recently began as a glossodynia which gramally thifted backwards till it rested in the largue. Here the fain was to great that taking it along with huskiness of voice her Physician diagnoted concer" and lent her of to a efecialist. The was aftenoard! treated by two specialist for Catarrh I the langua, but without any good. After careful examination I concluded that the Jain in the throat was due to Aluradheira of Which the was generally a typical case, and more the treatment Fireeted against this contition she clearly improved. When the came to report

herself which the dis weekly the interior of the largers was painted with a weak solution of with a silver, and the catarrh disappeared papidly leaving the Voice normal in tone.

a very bulborn cough in a unious way. At the end I an unwouldly hard ray's work he was in my consultating room and heard or curious trimo I newstice cough, extremely persistent and very like the barking cough of fuberty, by the Manner in which it repeated they and in the apparent want of exertion by the patient in its production. Upon returning home he was attacked by a cough very limiter in found, but quost violent in production, and so fers istent that for three nights he could get wither rest nor cleep. There was nothing in the respiratory that it will availed anything. Just as it seemed necessary that he should try the effect of a change of sir and a holiday the cough visoppearis.

The newstie nature of Spasmotic althura is now well recognised, but till recently this was not so and los and los anneh attention was directed to its diathetic relationships, and to the possible essistence of organic disease located in the respiratory, generative, and digestive organs, as possible sources of reflex issit.

Functional disorders of the lexual organs are extremely common in neurastheries. Charet fays:"In géneral les neurastheriques cont anaphrodisises".

It cam searcely be otherwise. Anything invest which takes the edge of the newoods system or otherwise claims too much of its energy is lunch have buch an expect; and it is unjust to arsume to frequently as it is the custom to To, that lexual feeble. ness is the result of previous ferenal excess or abuse. Chancele But's this matter in a lighter bein, and in my spinion in a truck light than many Medical men. De Writes: -These children of Morenry and of Venns Den in her Westing Jul contrarious. Mereny loveth ursoom and beience, and werms lovoth ryot and dispense. Cent for her divers disposerions, Teh fallith in otheres exaltacions. and thus, Got wot, Mereny is desolate In pisees wher bems is exaltate, and verms faylith wher mercury is reysed." Tothergell (physiological Factor in Fragratis \$ 146/ mentions how all intense anxiety abolishes learnal power, and notes that many of the Tomes Shire Will owners during the cotton famile 17, 882, when free to face with truin, fell ill and lost all separal appetite. The clinical picture however usually Grawn by Medical authors of what is Known as leanal Heurastheina is a period of excitation followed by an reduction and then impotence with opermatorrham, ent highs I prostative writibility. In the female there is Derhaps,

more I in vintable wedness out winstruct knowles are exceedingly common

Memostrania may thus cause trouble in every organ of the body, and here is perhaps the place to contider forme of the symptoms a little more chosely than can be some by enimenating them. The various morbit fears from which the genrasthenie Luffers have been very variously criticised; Many authors fighting Bly of them, but others as boldly attacking them, and by fix andrew Clark they were stigmatised as an absemblage of medbered indications borrowed more or best freely from inchaste forms of insamily and parades as esheret and conclusive vivences Ja chake Justous debility. There has perhaps been too much work expended whom the De-Scription of these, and certainly too little upon their explanation, The numasthenic may in every direction be restrained in action by fear of various kindt. The best known of these is agorophobia - the fear of open spaces. When an individual so affected cours to an open space over Which he requires to cross he is leized with a great treat at the right of it With this Freat there is compression of the break falpitation an outrest of cold ewest and the timbs belome mable to nove him from the last; but y even a child takes the potients hand and accompanys him across the Then space the fear vanished with all the other equiptous. In the attack may only present itself in the absence Ja favourite

walking lick, and wit be fell when it is in the hand. Ither morbid fears are ashoplotia, claustrophobia, monophotia mysophistica fontophistic and the like. There all do noth Certainly ove their existence to quental imparement, but such impariment is not of the nature of intenty. On invivious affected by one or the other of these fears is no more insome than is the rewrasthence who having locked a Toor stand! unrable to leave it, because he commot feel that the bransaction is finished to his Latisfaction His wind count group the fact as it is usually graffed, and this doffinge in his weedal Terrations leaves him inskeided. He clands before the voor, he less thatit is locked, he heart the both shooting into its place he pushes and thakes it to as to feel that it is tocked, as a frational being he calls everything possible to the assistance of his onfeebled perceptive fowers, but in vain, and what is more natural and less insane than from mestinet and from a lense of chily to Stand by and wait. But in the waiting and by the effort the mind becomes feebler. His autions of time and space become disturbed It is necessary to Keep the hand upon the rook to be lune that it is within reach, or it will been to leave him, to recede away into imending space: ages leem to have passed since he put his hand to the quatter, and ages will pass before he can finish it. and to be land thelphess; but let a child give him the necessary assurance or let him find some new trick by which he cam prove the matter such for example as not taling the usual way of pushing with the hand of the

foot but with the Knee. The last touch is thus fiven to the

The disturbances to which the genrathene's Wear of time and space are liable have not been sufficiently attended to. Thenheim (Vervenkrankheiter p 697.) lags Jsome I his newral thenie gatients, that along with the other feelings of year which afflich those suffering from agoraphibia when they come to such an open Place, there is an appearance as if the Have extended itself indefinitely (" als deline lich der Mann ins Unendliche"); but I am not aware that any Writer on the Subject has noted that the Same lind of Disturbance may be experienced by the genrastheric concerning whom of time. When in the ordinary course of things we do not weasure time, for some mon or less rejuite object which occupies our attention, by our watch or the clocks around us, we meosisciously do So by a natural measure bull at the succession of our thoughts; you we always purge the time to be long or short in proportion to the mules of perceptions and ideas that have passed during that interval. Into the natural measuring of time is an obseure subject, and the following common observations may Derhops better mileate my mining. An minteresting Conversation appears long because it firmishes a slow fram I Juleptions a walk through a barren country offears long because it Herb few dijells for the perceptive yours to exercise themselves upon, it is a vong ordinary deservations that the time of Sepiration between loving is intolerably long,

because there is only one idea in the saint — the time of meeting again; but the neweraltherie, who has lath the power of perception, and in whose grind on idea cannot be formed, the measure of time is also lost; it extend to itself in the same way as in Theme lifered before his mental view; very, worse still, the gash vanishes into distance as much as the apetrage; and petreat is cale off to that he much stored indefinitely where he is.

I this estraordinary general wedness of

quind is the lower of much that deems prender in Herrosthem, and it is little wonten that the resulting expulsions of look like incoherent motications of incharle forms of insoming. I all the productions of instances there leages in this production: first, general weathness of animo; becomely, doubt; and thirdly, fear. A neurosthemic arrives at an open space and from white attempts to form witions concerning the relations of things in several to his passage; but he can apprehend withing fall he sees even time and space close his questal grasp, the space threfeles itself out indefinitely before him, y he look to one tite then the time which has classed lines he glanced at the other appears immediately long, was of small and ranger exist instinctively, and the sworked fear is formed.

Suffering Leverely from heat-ache, and the expressions of fain may not only be very ristressing, but very risagreeable owing to a fort of idittie tone about them as if he triuself rid not grife inverstant them. If the fatient is observed closely he

Even the reproach of giving themselves low and he befored by Mens-abtherizes as it is untimberially throught to be Linked they have not the forces for enstained observations; but their fuljective symptoms are to real, have lived to long in them, and formed and formed ence on inseperable fart of their daily life.

that very ownery exorts enfice for them to give these feelings characteristic expression. In no other way can we explain how the news of there is able to Junish us with such full and Luch correct information concerning his condition information which as Lowenfeld remarks no doctor could draw up better i die kein aust bedder zu stomde bringt. Inc Such patient consulted me recently. His first wordt were characteristic and to the frint. He wished my assistance, because he was afraid that he was going to be afraid that night. As hat no idea that this year of being afraid (photophotia) had been Described by Beard, pidiented by Sir andrew Charly, and that examples of it formed part of post- graduate courses on the Conlinent. He come to get addictance and came charply to the front because he knew what he wanted. It was late in the Evening and offer a per words Lasted lim to call next Morning. Huch morning he presented hinsely again, this time as characteristically as before. In his hand he held a clip of Japen - the length and rather less than half the breath of this theet - and on it he had brought a few usles of his case. Did he know that Charest has long ago described him, as thomme aux petits Dapiers" and that his slip of praper containing a few wites of his case" was a most valuable Tragnostie sign of and when I looked at his lip of paper I found every item as Characteristic, and the whole an amazing equipsis of Heurastheina How can we eseplain such exactness, such a wonderful consensation ? a Subject! Here was a condition, within the mouth, which I

had found best described by dehech in his Worls on "Que Krankheilen Ola Mundhöhle und der Speicheldnisen; then agam was an item referring to a condition about the anns, and had Ent observed this very condition orserbed by Hönig in his Schrobuch der Speciallen Chirungie Lam afraid Leveld int have appraised if properly . again, here is the polywise "to which offerheim firstgive eles try attention and on further examination the wine exhibited that hyperacidity which consect tigourouse to write his special monograph on the subject - "Newrastheme - ch arthritisme. Was this all an effort If the imagination on the fart of the partient? One Nem in the Japen was not quite clear: " for last like or leven years intense itching at intends in Dukages leading into cars with fluit discharge (at times) there from " this Did not leen to agree with wurasthering, and indeed beente out Tharmony with the rest of his Eynopsis. Was this on maginary evil I In examination with Mirror and feeding, well marked exema was found in both of the external antitory courses and there were large well refined chalky repolits in both tympanie Membranes. The Discovery of this condition of the ears only Strengtened the Diagnosis and he stood preded as a well marked example of what is known as the lithamic form of Musastheria Such is the way in which cases of giseased Lelf- Wervalion are apt to imfold themselves, when analyzed with patience and a knowledge of the publicat. In feet land when we much l'homme and petits Japiers, where he is a rarer individual thun in French Con-

consuling from, two factors can always be discovered which account for his notes I his case. To begin with he has been at a great many doctors abready and found them widently mable to calel on to his blory, or los busy to five his case palient considenution; and to experience arrises him to prepare these few will which he hopes will by their esherence for time and attract attention. He is also the more disposed to this course, as his own well known sense of quental feebleness makes tim feel that he is otherwise aft to imfold his case very rejectively. Further he anticipales the disselsfuetion which he will probably feel when the consultation is over. When he leaves the consuling room the weatness of his memory, especially that more active part Dil termed recollection, reprives him I the falisfaction of knowing whether he has explained his case fully, and it is only lay holding the notes in his hand, by looking them over with his eyes, by refusting them in his ears, that he can altain to any Jeeling of salisfaction from the interview - a latisfaction which all other Patients can enjoy without effort or assistance Jang Hind, but which the newstherie can only enjoy when forewarmed by experience he brings, and takes with him, his wites I his case. When Henrichtheines intend leaving the elip

Sheplessness is one of the continual sym Homes of surrasthering, jet fatients so not complain offen, so quind of that as they or of the enormous crowds of ideas which

with the doctor, they Item take a copy of it for their own use.

fel the mind during the Seepless hours. Henrashenies are above all things extremely pational in their heatment of themselves. Far Juan being prone to descared felf-observation, it is a thing which is slummed by Day as interfering with their pleasure of their business, and by right as intersering with their bleep. When they hie Town to bleep very effort of thinking or Itserving is suppressed, and the mind is gut into the quietest possible condition. But it is a matter of Common observation that this is full the condition of wind most favourable to the reproduction of former mental experiences, and very offin his idea on thing which could not during the day be reestlected by the qualité effort of the Mind, now by the retion of epotetancous gremory steals into the mind. This Him occurs just as the patient Janeies he is falling asleep, and in a short time he is pridely oragged back to consciousness; other things on ideal gradually associate thunsdoes with the first, and finally the mind is simply teening with tuch. This does not however by itself constitute all the evil. When wear one thus drawn into the ophere I conscious. ness, by involuntary Memory, they are usually very vivid and a quiet how or two in the middle of the night in reviewing and arranging them, would not be improfitable nor indeed lost or neglected by grong But the infortmak neuralhine has mit the power to this . The usual course of the mind when healthy is to proceed from the simple wear, which thus fill it, to the formation of general ustions, and to still further proceed to the elaboration of the conclusions to be drawn by reasoning fram these. But the impaired mental forvers commot compass to greek. Each former, mental impression thus reproduced feels more like a fore lpst on the brain, and when these are felt to be limply innumerable the Torment endured is indescribable. The good which a gose of Croninge of potation goes here is yen wonderful and extremely instructive.

Out were in cleep the generaltheire is not gree from Distress. His mental feethers little makes itself felt, and also presult his dreams are flux flimple and very fatiguing. Charett in his chical sumoustration shoops trew attention to buch greams. In one of his cases e.g., the fatient

attention to Luck Freams. In one of his cases e.g. The fatient was ver being pursued by Menacing animals, Jags and cats, while wished to bite him. It again the Jakient in his greams was eveling to accomplish a certain talk but thousands I unforseen Helacles peared themselves in the way before him, the time bened to pass and never, to his great despair could he attain to the to much gesired end. These patients feared above all things to Tall asleefs. It is much the fame in all eases. One of my fatients who goes not prequire to work by Jag, Spents her whole nights in labour. Ever is the at the well drawing water for the Preparation of the mouning weal, but wever can the finish this in time, and the despair and anxiety which the suffers from the thought that the will be behind in ber dutils is limply martening, and the awakens in the morning Deriously exhausted.

In these dreams the two most fromment

Jealures are characteristic of seurastheria: The ground love of the dreum is on I mental depression and its course is quarked try quental weathness. The imagination is wortfully feeble wanting in thought and fower of flight, wer in papidity - contrasting quartedly with the Jower usually exhibited by it in Freams. To bring out this contrast it might be well to compare them for em instant, by drawing attention to some with known Frems. In for exemple, Cleopatrais dream by Granspeare, extreme Wonder and delight and the ability to feel there are indicated:-Cledpatra. I dreamt there was an Empiror Antony; I huch and then fleel, that I might exe But full another quam! His face was as the heaven; and therein theels a som and Thoon, which kept their course, and lighted The little o o'the earth. His legs bestrid the ocean his reared arm Crested the World. (aut TClesp. act 5 80.3) The pleasure indicated here is as wonderful as is the powerful flight of the imagination and the course it takes. Dal as examples indicating the heights of bullimity to which the imagination can attain in sleep, and the Dower; rapidity, and even critical ability, which it may risplay on certain occasions there are perhaps none on record finer than those presented in the 7th and got Chapters of the book of Daniel. The dreams are real dreams and the author was

Herhofs the greatest tates wan I his age. In them the drenner was monsternely seeling answers to certain for reaching lines of thought which baily occupied his attention; and the Mental thought in blue is affarent, not only in the rapid transition from Tojell to object and the manner in which these multiply anterowd upon one another, but in the till greater power Shown by bending all to the service of the west which pere gailed at the start. How must the unusual releasing of these Trams to this belyell be overlooked. as Demich relates, at the ent If his secont dream he familet, and was lick mit imfil for business for certain Days; Lymplans which wint to an allock Jacob neurasthenia due & mental overwork. a Jiner example of the exhauting influence of dreams does not; posteably, exist.

## \_ Wiagnosis

The diagnosis of securatheria is commonly throught to be easy, and there is much in the literature of the fulgical wolneth tends to support this notion. Dank Julius Mobius in his Duagnostile Der Nervenberantcheiten p. 401 offers his chapter on Neurastheria by laying that also pule it offers no diagnostic difficulties, but Jeans of experience in general practice, and consequent knowledge of what sace and what socsant furnish difficulties in diagnostis, sees not permit a ready agreement with this ofinion. There is not here, however, either time or lfuce to enter into details of all the diseases with which Meurastheria may easily be conformed.

Generally execution of has to be distinguished from Organic Fileases on the one hand and among newsores from hypochondria and hysteria on the other. Binswanger has recently (newrasthenia & 46) insisted upon the necessity of differentiating more sharply between it and hysteriar, than it has hitherto been the Custom to do, and advises that henceforth way symptom in doubtful cases which does not without ambiguity except

for Mysteria Must be assigned to Musastheria: - "Wir mussen uns fridich daran gewöhnen den Begriff der Menrasthenie und Hustrie delicater am latter und letelenen Krankleit um die

sund tysterie tehärfer zu fasten und letzlerer Krankheit um die Fälle Zuweisen, welche die typischen, psychischen, und tomatischen

Merkmale der Hysterie ungweidentig erkennen lassen."

The lame pule may be laid down for differentiating accurably Wholen Hurastheria and hypochondria; lo when we remember how vague our conceptions of these viscases till are, the task presented in the gragnofis cannot be considered on easyone. In wart affections, from the view point of the prognosio which is often to urgently requested, lerious officulty is Item encountered. We must be ready to decide between Hereaus lachyeardin and him angina pletoris, or acute Diletation, or even indeveloped Grave's Disease. In Hervous Browly earting there is much to make the diagnosis of fatty heart perhaps the lafer one, and the Junctional nature of the Disease, when it occurs in middle aget people, is offin extremely sificult to prove. The formanently flow Julse, which is worke in the early guorning after Derhaps a right of Disturbed rest from formenting Freums or annoying eough; the Juling of oppression af the heart, after a short wally or some little extra exertion in the house leaving on to Irothation, pulpitation, syspinace che; the fainting condition into which the patient may link and in which the may remain for a long time, are all aft to call up notions of atheroma of the coronary arteries or extensive changes in in the carticle fibres. Tatty heart may be the cause of Such symptoms, but its fastive detection by our fresent means of gragnosis is very officill, and fost morten examinations are varely available in such cases. Ferfeet recovery from such conditions is rare, Jet the amount of ten achieved by euch means as freedom from Worty. good feeding, regular esercise, and perhaps a long listiday, is

Much greater than can possibly be conceived of from a heart 9c generaled to the extent of being the course of such symptoms Cont when neurastheria may this perplia the pruetitioner in a jugion, such as the cardiac, where he id to well acquainted, may if not be expected to so this ent grove when he has to follow it through less familiar regions, Such as the eye, the ear, the nose, the throat, and the uterine System, and even through the nervous system. The Tragnotis for example between Terrentia Paralytica and Heurasthania may for years be an impossibility. The difficulties indeed can only be overcome in many eases by having extensive Medical knowledge at command, and in every case there is only one fure way of Diagnosing the Disease, and that is by having such a Jufect acquaintance with Fraguothe Method, that we are able to exclude all the related forms of neuroses, and all cases of Fisease due to a refinite Hethological lesion fuch fulness of knowledge is however a commodity which it will justably be admitted, undieal concation in the past has not made too common. When it is remembered also that organie Dibase may exist along neurosthenia, and that pare analytical ability may then be required to appraise each correctly, we cannot think To lightly of the gragnosis as Mobius and others would arrise

In the highlin cases of nemastheria an error in diagnossis may easily occur by judging to hustily from the appearance; and the absence of all lightness of disease

While the Patient is being examined. Henrastrines book younger and Jushey thun their years would lead us to expect, and ouring what is to them in Jurior of rest, or is hotiday, they con. segmently look better and healthrey them the ground individual. Deans ( p. 104) has directed attention to this josthful appearance in newrasthena; but it has not been bifficiently rivelli upon, that when a numelthence cuters a consulting poom he is at his best, and has nothing abnormal to thow. That to which the nemasthenic reacts, and which consequently differentiales him from the normal individual, is work. How does he bear up against ordinary or a little extraordinary exertion? The missour to buch a question comes clear and unheritatingly - they are not what they used to be". They become used up more readily. In their Jeriods of eschaustion however they prefer privacy and quietness, and parely consult a medical man during fuch. they wait till they have present, and then as they contrast more than favourably with the nound individual it is little toonder that their Delease is Then overlooked.

## prognosis

The Prognosis in neurasthein is extremely variable. Much repends upon the form of the viscale In Cases of hereditary neurasthenia a perfect ence commot be expected. Generally however there is no Janger to life. Geard invest appears Disposed to allow that neurastheins is Javourable to the lengthering I lige. Luch fatients, he lays - look young for the same pector that they live long." This ofmon however has been too Treely occupied. It can cearely be Doubled that De Playfair, by his method of treatment, find the lives of many who were just at the brush of the grove. In the New York Medical Record for 1898 \$. 546, D. Landon Carter Gray Wentions 3 Cales in which the diagnosis of reunaltheme was muse, and in all Julich weakness progressed and terminated fatally: The autopsy in these cases it may be added facted to explain reath. From my oron practice I have already mentioned two eases in which the Patients were under my Hiervation for years. They were Tragusted as accorathlice from the first continued observation and immunerable examinations did not alter this riagnolis, and in both wealness Progressed till it enter in Jeath.

be address to exhibit the common course and termination of the visease: and as To? Winslow in his roorly on obscure diseases

of the Brein and Mint, published in 1860, has furnished as with a considerable number of tuck; a few of them may be here considered. a clergyman who in consequence of continuous overwords bushe sown to completely that there was complete loss I minory, oull heavy heatache, great depulsion of spirits, and tally vitialed condition of general health, was enjoined to complete quietness and repose of brain and wind, and improved decidedly in the course of a few weeks. Then after everal mouths hoti-Jays abroad, and a course of tome treatment, he returned quite restored in wind and body. More todious was the case of a confidential traveller for a large commercial house, who after having occupied a position of great trust and mercaling unsiety Jor a Continuous Deriod of 15 Jeans, had during the last & Moutes Til undertaken extra Evening work. His Micmory became greatly infraired, and it required nearly twelve mouths heatment before he entirely recovered the use of it again. In chuine with iron and gumme were the drugs employed, with cother sil. The

shower and eventually, the douche both to the Efine are credited in

this case as of evident lesvice.

Still more Introcted was the cake of a Member I the bar, who from experience become convinced that his Mental impairment was one to overwork, and who after a relapse placed timbely invesewedly in D. Winslow I hand, and tegreed to so as advised. He was refl for a fired of two years from all anxious and levere quental occupation, and by the end of that

time his mental powers hat rallied to a lunforising extent: hat in Just become accounting to his own impression, more vigorous than they were pring to his attack of illness.

July cases are not only valuable lines they are reconded with great cleaness and the means emplowed, with the time required for a cure, mentioned with great exactness; but they are also esetulinely interesting as examples of how the past-Generation of practitioners viewed and heater such before the new term "12 was thema" was introduced by Beard, and begone the advent of new methods for its ever. The time Mentioned as enquired for an cure agrees with what is necessary thith . In lerious ease of mental breakdown from verwork regimes Still from 6-18 Mouth's four a come, and provided that no hereditary taint In marked Timo exists, such may be lafely promised. The mental forvers carefully cared for Juring freh a feriod, may invest become stronger than ever and ever all hat was acquired by the mind previous to its breaktoron perfectly relained. There are however exceptions to This the

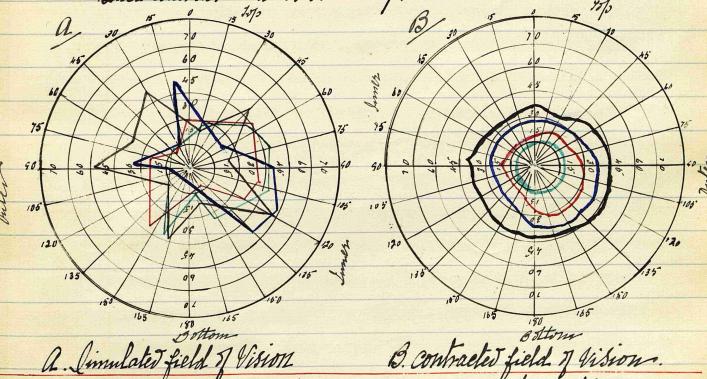
usual course. Itherget in his work on Indigestion and Behousuest gives several, of which the following from page 106 may be taken as an example. The gentleman was a petiment East Sudian He came of a healty stock, was a well nourished person, and took a very high place in the examination for the East Lidian Civil Service; Continued his labours; took one thing after another, far outstripping all his competitors: with what result! This! His digestive— apparatus became so thoroughly disordered that he was competed

to retire from duty, to come home to England, to do nothing. a confirmed dyspoldic, his bodily comfort destroyed his prospects clouded darkly crippled in the race for tipe; he has to lit helplettly lodging on while his old competitors trimmish the space between him and them, and then overlake him; after that, see them going onwards leaving him hoplessly believe.

Dr. brusham in an attress read of the annual Meet. of the B.M. ass. in 1885 (B.M.J. VA 17 p. 435) observed that " rearly all the lymptoms of neurastheina those their theurastherie origin by ceasing for ar time". His can leavely be admitted to be so in cases of simple neuralthenia; and mithen a shory of cases now our conceptions of the Disease Jemil such a notion. The course of Simple neural themia lowerts a cure is flow fatients never neaver furtinly as they to in the theria, and they are influenced by enggestion only to the extent that such by occupying the mind with Pleasant subilipations, prevents it Juour exhausting itself by persistently wearying for a cure. Cases Aystero-weurasteinia are, however, very aft to show market fluttrations. Such Jalients are extremely inconstant. One Day they seem capable of sustaining and ferforming more than an individual in the best of health, and the west the were burden of existence is amply insupportable. It is necessary to be very well alguainted with the individual before a prognosis is given Where there is a marked hereditary taint the viseale may transform itself into a fure psychosis, I which Melancholia is the most common example : Lineite, infortimately is too common a timunching,

The prognosis in Transmatic eases is always Derrous, and where a possible claim for compensation excests, Jemands very special consideration. Iranmatism may proquee a jure neurasthina and of such Chaned has pe. cordet a geny fine example in his Leons In Martin 29th fan. 1889. Out as a pule bull cales are thronge assemblages of symptoms belonging to Memastheina and hysteria, with in severe cases, symplowed of related minores and psychoses Gresent in Jarying Jusportions. To buch varying groups of Symptoms, following whom injury, offenheim has given the name tranmatic "leurofis, a term which gave occasion to wen or Sharper and more person ally expressed Typerence of Thinon in Berlin, thun Fis the introduction of the term Nemasthenia in Fonton. To? Oppenheim had to refend himsely against I fuch authorities as professors lebulle lelignuller and Mendel. De Schullze Henrit the malter by Jeelaring ( neurolog Centrall 1889 110, 13) that many If the appearances given as characteristic I trammatic neurosis were for him not Dijective enough, and that the number of Simulated cases was very Creat. The following year at the International Medial Congress in Berlin he formulated a thesis (Janeel: 1990 bol # P.470) as follows: Transaction fromes various psychotes and survoses, but there is no special tranmatie neurofis: (2) No reliance can be placed on those symptoms laid to be characteristic of tranmatic Henrotis - namely Contraction of the field Dision and Disturbance of Scusibility. (3) Limulation is Common. 41 90 dijelive Criteria have as jet been found to Fistinguish Cumulation from genune cases. Devjessor Oppenheim, who based his Thinious

on experience, and who wished to organd them with this, Jell himself dissuned by fit. Mendel who entered into the Disention which followed, with the remarks, that he has has opportunities of examining the larger portion of Oppenheims fatients and had therely come to a different Minon . This penners by Mintel allowed Disfellor leelignisher to take upa more levere bole, and fave apparent from to his charge against oppenheim, which was to the effect, that he had undertaken his examinations too lightly and hat overlooked the Simulation. The result of the whole was a careful review of the matter by offenhem in Which the question I Simulation was effecially considered. Il the contraction of the field of vision is considered by him of great diagnothe value, he illustrated his defence with two figures to make this point clearer - the one a case of simulated contraction, he Then Inch contraction as is ordinarily such will in Meuroses ;-



1. Die Tranmatischen Meuroten amt besonderer Conichsichtigung der Simulations frage

Apinion that in newstre contraction of the projessor Hirschlergs
wision even in the apparently reference part is not quite lost, hatching
cannot be employed in the illustrations, P? Offenheim has not to
employed this quethod, and Chareot always rid, and so the illustrations are not quite so telling as they might be. The thick
Dark line marks the limit, of vision for white, while the blue
red, and green lines. which I have made use of instead of the more
or less interrupted lines in the lithograph, show the limits of vision
for these colours respectively.

Is prepresent a Simulated full of train to? Oppenheim look intividuals whose Vision was Perfectly normal, and asked them to imagine that they could deceive him, and feigh but Vision. Out of such attempts a concentrically contracted field of Fision never came ; but a condition represented in the fig. a. where there is not the least similarily with a concentive contraction I the field of Vision; but a quite irregular graffing through each Then I while blue red and green, with lector like contractions which have never been found in cases of newsotis. This Eguptom therefore retains its value as an objective one in cutes of hammatie neuroses, and points to the hysterical part in the compound forms Doesease - dystero-neurasthema, whiel usually results from accidents. Taken along with other Tojechinging encle as menased frequency of the hearts action, the anxithesia, the involvement of the signification which beliays itself by a remess whiel spreads over the half of the face by every excitation,

and the psychical anomalies which go with these, we could in u given case, with no Isnowledge Jils history, come to the con. elision that they were the pisults of some form Jugury. is pare lebultye believes that it is common, and Mental is of the Same whon, while Seeligniller believes that it exists to about 25 / Jall cases of trammatie neuroses. Out Oppenheim while maintaining that limitation is pare about that exaggiration is more common. There is a fine distinction here, and one which in ordinary language is not usually observed. Frobally no school boy, who has get a boliday through some wit too Senous Describer, and who himself who but the idea of a holiday, feels to Soon as he has got it, that fart If his recomme was escagger. ated, and Some If the illness limulated for the take of Consistency; and perbelly before the gay is over is quite alhamed of himself. In the Wist could of africe in the Congo region, where high tim-Geralines 105 - 106 were common in Malarial fiver, strong Mon when the temperature was so high were aft to babble, and if this were even accompanied with restlersness, or a Jesix to insist upon getting out of bed, and along with that of roung lomething, Will they felt as if they were only giving way to a notion, and flaying at being velicions. Frimember De Garroner examining a hear ease in the Wards of the Western Informary. There was a question as to whether retirium har been present, and the father of the boy related that he had been bleepless, restless, and talkalive, and indeed difficult to keep in bed. But

during his bleepless hours; Jounesly he never blest in In morning, now he was in Janger of losing his Place for buch ucglech of July; formerly always ready in tackling his work, now he was ever incready, and the llights to which this puts him, learns Charocherises by curring and Deleit. In condultation concerning his health his untrained Mental faculties let him affect as a limitator of the Limpsesti Kind and his accounts of his health appeared exaggerations. I hush accounts are here correctly expressed, there is no real difference between exaggeration and fimulation is Offenheim would lead us to inser. Traggeration in speech requires Simulation in appearance, and we can learnly imagine them beforably. What They refer to is a psychical anomaly, and Where this amountly is to chiling as to have quite changed the stutione of the individual, its affectioner with the above quentioned objective symptoms should only Chench pather than throw doubt upon the ringuotis. Simulation therefore should Le Cother for as a leaving symptom of a transmatic number; its fredence gnakes the prognotio more lerious, its absence causes it to be more hopeful. When found, the Rejective Lymphons are not to let rown as I no legal binding force or walivity because associated with it and it is itself to be approused by a careful consideration Ille montonals Past Character an impartial consideration I be whole matter least irresistible to the conclusion, that in the Jast Medical Men Guided by good intentions and a bad psychological training, have by their Decisions in cull cases, Thin assisted to acts I hodrid ugustice and cruelty.

## Eseplanatory Pheories.

Lines neurasthenia has become a nosological cutity many attempts have been made to explain its mature, and the mass of theories which have been advanced to this ent are now quel more deficult to inverstant, then anything else about the viscole. The gratime of the commition is Pretty evident to the fractical mind at first eight, and its own history of overwork or I malmultition cle. of the neroous system, clouds out to clearly in mosti cases, that limple exhaution of the nervous system with the gnotecular and Chemical changes Dwhich it is the repression, might be reemed a sufficient withou of the matter. Tilu some of the cases recorded by Winslow, Jahens come and tell us that they have been overworking themselves, and we accept this Simple explanation of their vitibled condition as sufficient or as tothergel remarks: we observe to a friend how thin you are getting, and receive for answer the reply " Jes I have been a good beat worned of take Thave a lot of work; and Thave a good deal on my mind". In conversation this binghe explanation, which throws the whole condition back upon the newous System, is unhesitatingly accepted; but it is altogether rigerent when a Jerson begins to write upon it. In short the exactness which Jacon attributes to the habit of writing is distinguished by its absence almost from the beginning of Mediene Days Mathiew (p. 133) there

has been a tendency to Subordinate newousness in general (and with the same coups the neuralthenia contained in its group) to a contain number of functional two bles of the digestive apparatus and its annexes, or to some lesson of the aboveninal organs" Whyth in 1\$65 four a very fine illustration of how to To this . There, in his consideration of Newous atrophy, unter which term he really condidered the neuralthining of Beard and Chanel he takes effecial care to inform the peaders that while the symptoms reserve the term thus given, yet he would not be thought by this to insimate that the disease Proceeds from a dimmshed recretion of the animal spirits of Show their vitiated quality". The influence of the Derhaps generally imagined. It not only contributes to the rigestion of the aliments, but the whole lystem is either insigoraled or affected with a languor according to the Different Disposition of its newes . By proper food the nerves of the Clomach are gratifully stimulated and the Whole body is thener enlivened and strengthened so that besides its use for Autition foot in the Comach becomes on account of its climited altogether necessary in some delicate nervous people, for Keeping up the strength of the body and the Tue exercise Hall Is functions." In this curious and hebitating way was the Stomach then Fragged in to explain the Symptonys of Menon stroply - a term the resemblance of which to neurastrenia is very apparent and Whiel anight again be well used as

a very fitting disignation for those cases of progressive Murastheria which ov an to a fatal termination, and in which the primitished leaveling of the annual spirits is the source of the

symptoms. In our own day it is perhaps Trunch authors who leck anosti lo fice am abdominal origin to nervous symptoms. Gonehand in his Teeons Sur les auto-intocications dans les Malaties, 1887" has longht in a Somewhat new looking form li reproduce Galens explanation Dhypochoniona, and lees, especially in dilatation of the Stomach and in the Stagnation of various flinds which lie therein an inexhaustable Course of continuous intoxication of the organism. Others again, Hayen and Winter, teek to explain newrasthering by a Viliation of the Jeneral mutition que le gyspepsia whill allows of the formation of abnormal albuminois Jeroducto This explanabou may also be led back to galen. Bean (Fraile te la Typepsie p. 24) has attempted on explanation by supporting that the Lemburar Ganglia in the epigastice Pleaus are Primarily involved, on wear whiel can be traced back to Van Helmont, and of Which Whyth Probably made use M his explanation of Howous abothy Almost every organ in the abdomen has had

condideration devoted to it in this respect. It one time draggings upon the Mescuting or Displacements of the liver or hidney have been chiefly accented, and at another the system which seemed to dispute most the place for a loss freeminence, with the digestive, in this respects was the general. In women it is not meanings

to find, along with newrasthenie lymptous, chronic sisease of the uterns on its appendages, and a few years ago to thong was the timbency to regard the Catter as the Chief Offender in Mentolic affections that the importunate differers incurred frightful dangers of the hand of surgeous. These rangers were more peal than is Juliaps generally supposed, and to recently at 1893 8: playfair" strongly Frotested against buch oferations in cases of nervous greases in Women, Luck as Herrastheria avanca hysteria and the like. He had been eases in Which the Theration had been actually performed without one ista I benefit seering and he mentions others in which the fatients not having corrage to Intend to the Speration were cured by Esternation heatment. In one case he was informed by the father It a joing last, who was abroad for her healthe, that the principal surgeous in a certain continental city who has been her, has advised the senson. at I the utems as the only way to a cure. To flagfair immedjalely wired that the Speration was on no account to be fermitted and the patient was brought back to London where under pystematic heatment the was well in ein weels.

Justina He also in his lectures constantly provided the interest the constant properties affections as the considered that the considered that provided the constantly provided the interest as the course that in rewrathenia we have an affection originating in the

1 Chimoal Journal Vol. 1 \$. 201.

Nomach: "The Somach floys its own parties to the heat and the legs, but the participation of the Somach is not meessary, and we gray see cases in which the stornach is not in the least affected, and which special all the other symptoms characteristic of Mus-arthuria" of the regain he personal on the occasion of a norman relating the condition of her stornach at the and of her peport: "Cette tais ell such les choses à seur place. C'est la tete goir commune, l'estamac ne gient qu'apres. plus logique que beacoup que l'estamac ne gient qu'apres. plus logique que beacoup que menastruignes re l'estornace" (Lecons du Mende 1988 p. 518.).

Levillain in his La Meurasthenie "a work written under the inspiration of Charest, and reflecting his vinos, has etaborated the above opinions and has chown that studied theories of alsoninal chemistry are not required to exeplain the origin of the risorter, and that we have only to consider physiological exhaustion. It may in short, be laid, that in Trance the attempt to cubordinate guarasthenia to ryspepsia has failed:

It may be best to just briefly mention some I the Attentheories in the order of their affectiones so at to bring us up to Fale. According to Beard there is an impoverishment of new strength, a waste of tissue in excess of repair. This is exactly what we have been Mandeley beying:— The news cell is no inexhaustable sountarm of force de. Anoth is of spinion that as all the influences which go to produce the condition affect the quitition of the Leeons on Sunta 1887 p. 32.

of the newood egstum; to we have as anatomico-pathological cause of newrastheria a more or less extensive atrophy of it. On Heurastheme ist gen and druck oner Hypotrophic Tes Merrensystem" he lays, and considers his a very good Franklation of Brand's wear on this frish, with Which were he expressed full approval. It luns however, from his context as if he were nother translating Whyth, who is the only ther author to for at I smow that uses the term theroous abriffy. The tendency of punds expressed views of to make it thinks more Deshaustion in the adult, that I and's is to make us though more I an embryonic lipe of a nervous lystem in the more or less otherwise matrix individual: - "The nature of the Disease he says; is want and imperfection of the new tubstance. The Herous typlem is Quall while it's invivoual parts have personed them and thember, it is unrife because it has remained in in shore or less foold or embryonie condition. The genghouie cells une meou Siderable, have only short and not quich branches froloplasmic processes, on the protoplasmie processes may be absent thus forming the tocalled apolar cells. They appear in Shealat, bleause they are not in themselves properly signentiated, and an thursail more or less blendet with their surroundings in a brain or spinal cort, i.e. with the newous ground substance. The new filres all thiningly fine their metallary theather delicate and in Francher's dection looks purchated; because their loft bubstance has not that fluidily which it ought to falless and Joes will orge out in the well known drop Joshion. In parts the new fibres are totally absent, and in their

Place is found a neuroglia like tissue similar to that which forms the matrix from which they originate. This however is the case, as saw in parts only particularly in the sympathetic records Splan. Luck or correction from at first tight a little Jantastie, and it would probably be impossible to furnish latisfactory vidence of the existence of the features enumerated; yetless with forms the basis of the herevilory form of nemasthering at least, cannot be doubled. It is pich also in therefertical indecations of a constant kind, and is a much needed Clepping stone to the ultimate conception of all that alterations in the chemical constitution of the new clements determines at last the Junctional behaviour of the nervous system. Andis grotions have however, been much pridiculed, so that it may be well to front-out. that they are not bornech out of harmony with our woll pecent wead of the Minute etructure of the nervous system. at the Crosman Lecture for 1894 Dudlestor D. M. Cajal peatoning from Newed facts compared the cerebral cortex to a garden full of immunerable trees, the pryamidal Cells, which in response to healthy cultivation can increase the number of their franches, Strike pools over a wiver area and wer frotuce more varied and enquisité puils (2). When Encle conception can be secontifically imagined as the road of healty 2 Raymon & Cajal, proc. Roy. Soc. 1894; Laned-March 14th 199 h ; B. M. J. 1994 p. 543; and "Les Mouvelles décis lun la

Structure du Lysten Meneux " 2nd Edit Jaris 1895, F. 18-79.

Cultivation, its opposite can legitimately be deduced from antagonistic circumstances.

(Visorders of turbilion having been secepted to account for the origin of the viscase , various theories were now advanced to explain these, as is well known the nevous tissue is fiven up to the Jeneration transfusion and propagating Thereout impulses, and in order that it may carry on these important works to the best advantage it is relieved of much of the labour that falls upon each physiological unit of the anaba. The necessary food is not only prepared for its from the raw material, but also brought to it, and we Eystein requires a more about. ant or more continuous Lufsply than the newous (Foller). The Subsen Deprivation Iblood, at when the heart ceases to beat for hely a lees will course meonscionsness. It is not wonderful, therefore, that the arterial fystern should full under the buspicion If furnishing defective supplies, and in an article "Aber Die selwantingen in der Entwickelung der Gehirngefässe um deren Bedeuting in physiologischer and Patogenetischer Hinticht" Lowenfeld, in 1887, longht to prove this. To make the matter clear he took the trouble of exerming a considerable number I ham, in order to ascentain what are the relations which exist between the wirth of the brain arteries to the brain weight on the one hand, and to the revelopement of the arterial System collectively on the other. By Different individuals he discovered that important archiv. für psychiatrie und Newenbrankheiten, Band. XVIII Heft. 3 l. 819.

variations may be found. Rectioning from 100 gr. of brain weight the relative with of the ressels may have from 1-1.8. He concludes therefore that a favourable revelopement of the arteries times to fresher brain power, and that rejective twelopement of the valled of the brain feduces brain power. In his work on Newrasthenie in Hystine published in 1894 he lum up the matter in large type this: "Defective developement of the brain vessels established therefore a disposition to all the diseases which appear as a consequence of merse exhausting or mutition disturbing influences, above all to newrasthenia and hysteria (page 33).

In 1899 Megnerh "come to the lame conclusions, and reveloped them as an explomation of the well known instable weakness "which is so prominent a feature of the visease. The entertient portions of the movement of the combimore easily supplied with mutation than the controlling wither the entertient may be strong while the controlling witherest of the funds flever to treatened or lost, and appearances of initability ensure In initable weakness securing to megneris the weakness and the initiable, inhabit organism securing to megneris the weakness of the control organs are the feet of the weakness, the subcortical organs the east of the blood helpfuly. This head I the weakgress back to the blood helpfuly. He however, introduced another wiener Whinische Wochenschrift p. 523, 1889. Lactor into his explanation of the Fisturbances of untilion, by, a disturbance in the quotienter nutilities attraction of the news clements by it with they are imable to take from the surrounding plasma what they prequire. This is no new idea. In 1867 Mandely wrote:

"Who may may are excess printability be a reject in the quature of the Georgeonic cell, but this may be rejective also by peason of a quest insensibility of nature, and a want of power of assimilation".

I newrastheries look healthy and well nowrished and in general eat and digest well, that the Supposed disorders Duntition in the news cells must be a fine one; Some soil of a troppie disturbance by which try one capable of producing only worthless chemical Troducts from the militime material. If ashe lays "we accept with Virehow, Windh, and others that the gaughonic Cells in the central newous system take by Indecular untilion their untilise queterial from the lurrounding Plasma, so it is understandable that this mutritive chemical Justonnance will be imperfect y the Conglionie cells by original abnormal structure ( armold) have less attractive fower; or otherwise by too quel Junctional Jemands are worn out, exhausted, and functionally unfil for the work of untrition; or lastly, if insufficient or worthless material from disturbances in the circulation or fourty in the blood is Pfered to them (ancenia toxic energenous streffs).
By feiting the matter as above , you Prafft- Ebrig covers

Newstat und neurasthenische Zustande, Wien 1895, p. 38

ar good Deal of ground, and brings many views together, so is to show how they may all work to the same end - the production of a ambritional Fiscale. The first Portion of his throng explains well those cases of neurasthenia among throng healthy looking cheelers in the country, who cate and Digest well. But it might be well to Twell a little more july upon the enclosed which the blood bos to Her them than he does. The chemical energy of the auroccell is derived from the material taken into the body and Corried to the Cell by the Circulation. But the atoms thus taken to the serve cells may in the first place be insufficient in quantity, or if defficient, they may be inert, and though taken up by the cell quite incapable of a Trancing Is mutition, or they may be in Enfficient grantity and capable When taken up & promoting the healty functions of the new edls, and lastly, they may be injunous such as are jound in alcohol. least ete. and least to abnormal functional and Muhitional conditions The Character of the new force Depends whom the Morture of the food taken into the system

Nowalevother's theory is mentioned by most writers as worthy of Special attention. He proceeds from the feets that by long continued viribation by Michanical or electrical timulation of the Peripheral nervous system, the new cells are subjected to an over viribation, which reveals itself by structural changes, such as congulation necessis, and the formation of vocables. From each observations he seeks to prove that by over exertion the new contrast of . Herearchisters with prove that by over exertion the new contrast of . I herearchistical with prove that by our exertion the new contrast of . I herearchistical with prove that by our exertion the new contrast of . I herearchistical with prove that by our exertion the new contrast of . I herearchistical contrast of the provention of the new contrast of the new contra

cells duffer on the one hand a quaterial defect in their protoplasm. and that on the other, by continuous activity and imperfect recovery, there veeurs a heaping up of the products of occomposition, and thus a form of auto-intoxication wirses. The gaughouic cells during but activity com weither take in quatrial to repair its losses, nor find lime to free they from the products of tissue changes, and to deler ioration pesulto from manition on the one lite, and poisoning on the They. To the Joshial auto-intoxication thus produced, Towalwisky is I opinion that another frequently associates itself - a general, in consequence of a collection in the blood, of Products of insufficient exitation and regressive untamorphotis (Tentomaines), a collection which injured the newoul system fartly vircelly, and partly indirectly, by imporvishing the blood of its quitihir materials as eg. in the arthritic Frathesis. Howalewsky also believed himsely justified in the spinion that the forsoning of the nervous system of the Parents with lents maines and Itomaines could be accepted as an explanation of hereditary neurasthenia. He lays: In certain cases of hereditary. neuralthema well market visible changes of the central kenous system form the basis, in others the viscuse explains itself through arrested Developement of Particular elements (armot), but in the great majority of the cases it is established upon inherited abnormal chemical composition of the central nerve elements, in consequence of the Poisoning of the organism of the parents with

The experiments of aufins and ladowsky upon

Which Howalewsky has brills his theory in 1840, Were again in 1892 the Subject of investigation by Hotoge" He noted in the cells of the spirals gardia and in the brain of English spanows. Digeous and evallowers, that of his fatigue the mucleus become sistenetly smaller in since, it's outline imagular, it's peticulum sarker when stained, the sports flushed when stained, the second flushed were cell become fewer, and the Jerisasenson lignish spaces enlarged. These appearances were intreed by protonget electrical stimulation, and recovery, took place in a vary flength of time: 5 hours of chedrical stimulation pregniring about 24 hours seth

Morris pescarches in 1894 let to the following Conclusions: - I, activity of new cells course fwelling of nucleis and of unclease; it, testique in the home cells courses Timmulion in the bulk of the coll, and chincelling of the geneleus.

Line the Croonian Lechen by ProJector Ramon of Cajal in 189 to the above indicated facts concerning the Move Cells have as to the lame importance on an explanation of the condition in generalthinia, and the centre of interest Lecus now shifted from the news cell to the sustenial in which it's fibres originate. Formerly when we wished to get the simplest possible idea of nervous action, we fictined to ourselves, in reflex action, can impression passing up one news, through a surve Centre, and down another surve to peach a terminal organ, which was thus let in action. Now we must take into consideration that a certain amount of intermediate substance qualit be passed through by the fournal bloops, boston vol. iii \$ . 95

impression, which travels fown the Periphery, before it can treach the Jibres whiel are to convey it to the terminal organ, and in order that this Journey may be prosperous, it is very clear that this intermediang bub-Stance be in a normal condition" ( With Pas Wesen und der Behandling ver Neuraltheme" 1894 p11). Formerly also we thought that the new cells were the sources of the menor energy, and just a little over those years ugo while standing in one of our largest hospilals, walching incessant jettings in a choseie Jahrent, Lasker the Physician, who has the case in his care, and Who was chanting by, Where can all that Howe Joree be frotneed ? His andwer was, in the new Cell. about 3 mouths later gowers was proclaiming in his address on the Dynamies of life: that we can no longer think of the new cells at the sources I newe energy. They are the vilal clements in the machine, but they have nothing to do with its ogramies. Juli the frotoplasm of the cell fall the fibrils which consult news energy; through it they course imbridsen; from it they Juss, contiguous, as clements of the axis -Cylinder of a news film"

Thus then has the hourseful a bullance which was fournerly looked upon as a connective listed only, and wieful thereby as bedding for the nerve cells, but valy young into Josition of the highest importance; a substance whose contition must be considered in all nervous action; the source of all move energy. The transition is sudden and almost bewildering, for we know practically withing about this spring say substance; Listentacular tissue, or newroghin, beyond that it has hitherto derived its chief interest in gracheal Medicine, by producing Gowers. The Departice of life, Lowon 1894, p. 47-48

gliornatous timoss

This new was at to the lounce of quere energy is a Welcome one. Litherto it has been very Typical to be latisfied in certain matters. It was not casy to interstand how even material injury to Certain cells by overwork, and the Marvation and heaping up of protucts of Decomposition which they at the fune time begins from , chould affect other news cells, le leriously, as to geprive them of power. Thus, continued over exertion of the intellectual centres note only weahard the focial centres, but also used up the energy regimes for nuscular life, as well as that peginred for the processes of untilion. We have been over muscular exertion wit only froducing simple loss of appelite, but alonie orgspelsen, and Gastrodynia as well; and in the spinal neuralthenie, whole case I have presoned, an extra exertion of the Stomach would Then leave the Jatient to Jowerless in the limbs, that from the table at which he had late gown, lively and cheerily, with lone friends, he had often to be carried to bet. It was difficult to explain these conditions While we were ruled by the idea that each cell mate its own Herve energy, and while we thought that the Justo plasure processes were only prottels for the absorption of food for the Jurposes of the cell. But now that we have arrived at the ideathat there Protoplasuic processes are mercy conductors, that the function or influence of the new cell is only autilional, and that the source of the nerve energy is the spongy grey bulstance, wh. forms a wel so extensive that all the wive cells are imbedded in it, so we have attorned to a more latisfactory iden of the above

Mentioned griselives of the different forms of Menrastheina. The lub-creule attacks also, in which the Patient of his mental exertion becomes limps from guns cular weatness, unde to walk about, lo exhausted that even pest in a chair is too great an exertion, and only a fusition of full extension upon a fofa or best Gives relief, and to which darkness and quietness are much desired adjuncts, Jun their best explenation in the idea, that the lower of news energy is one and undivided. It is the only explanation, also, which is at all efficient for those acute cases where, in addition to the above mentioned symptoms of the ful rente, we may have a high temperature, and all the appearances I am intermettent fever, as the result, in a neurasthenic industrial, of over Mental exertion or of over huscular exection. Cases Limitating Malaria intermetent, first resembed by Sunchut and of which thatthe Ibing has in his recent work on newsitat und Henrasthenische Zu-Stante Q. 44 recorded a very interesting example, are probably got so ran as would appear from the literature of the subject; as there had two such in my own practice

## Greatment

Stee filerature peloting to the treatment June 
asthmia is very interesting penting for the general practitioner. Going back through generations he was just the common drugs those in which he today must still trust, again and togain abstrating thin worth and justifulness and he can pise from the strucy strengthend in considerce as to their peal ment. The tame may be laid of the various adjusted commonsty outlayed. Hence with all the appearances around us of having atomice, we find that we have searchy more uses one there my reliable signs that we are likely to the meter was absoll important for and the drugs employed in its treatment as well handled and as wishely combined with other premedies, at least 150 Jears ago as they are at the present say

in 1465 Whyth reduced the General intentions

in the Cure of nervous Disorders to the two following:

To lessen or senere those predisposing caules in the body

Whiel trender it Deculiarly liable to nervous ailments.

if Is remove or correct the occasional causes, which especially in such as are predisposed froduce the municus thain of rewords hypochondriae or hysteric symptoms.

For the care as far as that was possible.

of the Telicacy of the newous system he commercialed the following

remetries: bitters, bank, beet, the est bath air shient, exercise and amusement, as a pish line of heatment. In a count line were kept various remetries intended to check this on that ameany symptom which anight pagaine consideration while the first pained the acceptancy hime to province their full effect: If these opened took a leading place and after it came hypseyamus, complose, castor, smith, as a faction, etc. He further thought it acceptancy to acquaint every patient that without a long perseverance in a course of medianes viel and exercise no qual or lasting benefit can be expected:

In Winslow works again, on obseure reseased

The Brain and Thint published in 1860, we get a view of how
clearly and organously these conditions were recognised and
quappled with. In chart, Physical debility was generally
recognised to be associated with a depressed thate of the nerk
and Vital force, impoverished thate of the blood, and impaired
that of the mutition of the brain for such, a climicating
plan of breatment generous diet, cooliver oil vion thychine,
grimine—ansenie, minute doses of photophorus the chower
buth, electricity the were the premedies precommended and
queliciously administered.

Dage some being execially fraised by Whyth bank and theil with edd water bothing were through, for their thengthening forvers, but he also mentions others very favourably and confidently, and in

particular opinm, by means of which he cured a fine ease of neurastunia after it had been abandoned by distinguished physicians in Italy, as incurable (p. 376). By Winslow arsenie is thought worthy of special quention in affections of the Grain and arewords system particularly is associated with chales of vital Depression

Lindwanger at the end of 1896 (Die Fathologie und Therapie Der Menrasthanc) may be compared in his quethod's with Wyth and Willow and more farherbarily with the former with Whom he beens to differ in certain thiling Daints. Whyth found a little Clarch once or livile a Day upon an emply cloniach an excellent strengtherer, and often found himself the better of tuch after having ben invospolet, or luffering from a weak flornach. hot Jalus languoy or sweating upon motion. He therefore recommended it to others. Opinin also washingty recommended and, generally, Trugs held a Fromment flace in his intentions; without a long course of which no great or latting benefit could be expected. Dinswanger in a cost of Ticheration Manages to bring there points (perhaps unconsciously) into contrast with his oron. After having expressed himself against the use Taleshot in his plan of come he froceeds to say: What I have tind here of alested tolds more acutely of morphia. Fatire mostemphatically against the ise of this drug in the treatment? neuraltuna. There for many years on principle, regulato Sic morphia even in cases where altacks of the severest fram imperiously genouved the most energetic treatment. There

always succeeded with poychical to catment, electrical, hydroand mechano-themsentic proceedings, in association with harmless drugs. In this declaration of his plan psychical measures take the first place and "harmless" drugs the last and with
the other remedies pushed in between the case is encompassed
by making both ends queet. The psychical remedy is
suggestion, and an enample of its use is this: a prescription
of this composition is given; of Linch Chinas Composition
This composition is given; of Linch Chinas Composition
Linch Their Vinosa

or of this of Linet Chince Composition 15 Linet Valviance 15 Linet: Mucis Now. 5 44;

and when the medicine is made up it is to be labelled the stomach- drops" or "the pedative Drops" according to the Anggestive intention with which it is ordered. Limple leas and faith are regarded as capable of working suitacles occasionaly, and seception in each cases is not only permissible, but in the interest of the palient am act of picky, (cin frommer betrug) D. 431.

The "houndess drugs" recommended are cummer and thus in the outer of their usefulness and consequent frequency of exhibition: "Orserie iron mall extracts and consequents.

liver oil, Phosphorus, drychmue, guine and some new

Anys such as somatose and autiol. Further for the

Treatment of the initability are recommended: Bramites,
Dhenocetin, and suppositories of opin and Bellatonna with
Caeao trutter, as: of op. your 0.1

Eschr. Bella Tomme 0.03

Aut. Comeno 2. S. ut. frak Supposition. He takes leave to doubt the reputation whiel valerian has enjoyed, A old, as a letalive; but as we have seen he included it in this prescriptions, and labels such "Letalive drops"

For the relief of fain an recommender:
Lalieglie acid and the edicylates, antipyrin and Salipyrin, Migrämm.
Thenacetin, lactophenin, antifebrin, analgen, exalgen, exphoten
tolysal as well as newrodin. The last five however are not considered indispensible as they possesses will enarted advantages
over their predecessors

As sleep Froducers Sulphonal is quentioned first as the most Juguently prescribed then come trional Chloral-

amit, amylenhydrat and Baraldehyd.

with those recommended by Whyth and Winstow, we graturally look for the harmless strings" which distinguishes Burswanger's Plan of treatment, and which, judged by his declaration, seems to distinct with drugs on account of the superior explacy of psychical remedies. The charges he enumerates are those with few exceptions, and these certainly not harmless e.g. hophonal and antiplain, which have been in use for generations. Howeless drugs "if we can use such

A term without Engesting wil against our most reliable and best.

Amown daugs, do not form a special feature of the list; and it

Amult be congessed, a feeling arises in the mind that Bindwangers

is, portably unconsciously, seeking to Fractise luggestion upon

the reading. In fueli but for one or his new changs Dustriels

Beromide of potassum and plenacetin are the last examples the
remedies relied upon at the present day are those emmerated

ley whit, and the known belief the entertained that by a perspect

application of the remedies then al command, their esports would be

beecessful, more than compensated for the absence of suggestion

from their flow of headment and fave a finer ring to their environess.

Stimpel in the last etil: (10th) of his Tehrbuch on Speciellen Palhologic met therapic "Juge 604-617, Volii", fives a better item of psychical heatment. He lay that at in bysterior co-also in heuresthein the psychical heatment is to be augment in the first him; but it is to be differently administered in the latter visuale. The newrastheine requires consolation. His words are: "Wie bei for typtime to ist es anch bei for heurastheine vie psychische Behandlung in erster Linie zu nemmen. Woch muls die hier in andrer Weise geschehen als bei for ersteren. Die Newrastheinler bedwesen fen ges Lostes" (p. 613).

With Euch om explanation the subject of Drychical Treatment is placed correctly and usefully before the prosession. Nothing distinguishes the neurasthenic more than the ansions desire he has to get well, to become again the man

he used to be; and between this intense resin, and his grief that he is not the man he used to be we have present a state of the emotions in the highest segue unjavourable to ar eure. Quel may be fasthed and rept in cheely by comforting and honest askeronces, and time thus gained to allow other remedies such as drugs rich etc. a fair chance of Succeeding in the work before them, grandy, the changing of the chemical constitution of the news elements from the abnormal condition which expresses they in functional disonvey to that which is characterised by around function. Lo for Inch Jakents are influenced by Enggestion, but no farther. Between subjective good and objective good they distinguish sharply and imbrest and with interest, those in the interest of the Jalients, abourable attempts by house Physicians at imposition . Awing arministered an injection of Morphia and received fratigul admonted questo, Water has been on future attempts employed in order to elicit the same. But the polar vever deemed to come off properly, and the experimenter beaut the only one imposed upon; for invariably he twent from the Patient jelling that he had not been clever enough. To this extent-be seleived linsely. He was really realing with an antagonist los Discriminating for were his best attempts. The good, but or indifferent expects of drugs is noted by neurostheines as readily as changes in the weather, and with as much real entiral ability as we have been them noting their Eyupstons. Leven years frastile in a Country district where that to Dispense all my own drugs, gove me bufficient opportunities of convincing anyself on that point.

been atrocaled for the Cure of Newsothinian lines it was introtuced to the notice of the Profession by Beard Monograph in 1880 they now be mentioned. Downie in 1880 took up the matter early enough and in an advess to the matical breisely of Lowon (D. 411. f. bol i, p. 691) in that par, presummented the use of inver arsenie, phosphorus, and Strychnine with falvanisation or farmisation. Is opinm however he gave the first place. In his opinion it acts by exciting and I timulating the brain, then leaves it in a state of hieragraphy favourable to repair. There was withing new in this.

I headment now known as the Mitchell-playfus Cure", and the Got typels Hen revived from this Method have been wively recognised — more to abroad than at home. Against forme of the doerest forms of the Disease it is Then Wonderfully efficacions and has unsantietly leved many lives. It is not however always the most fitting plan of headment, and is indeed in its full application required by very sur; nor is it always encessful in those where its application has been considered advisable. It alcentied public attention very fully for a number of pears after its introduction, but was probably much abused, and lott in credit often for another Clark's remneisation of it in 1886.

In 1892 D. Goodbart in his Barbeian Teetures, Janeel 1892 Volt D. 124, attempted to form a grethod

of treatments on very different lines. to? Playfair has expressed the opinion, in his premarks on the Eystematic treatment of hysteria and Certain allut forms of neurasthenic viscase, that very few of such cases "can be preached into health. Goodhart evidently thought otherwise and the elaboration of this idea formed the melent of the above lectures, which were afterward published in Book form and have thus became wively spread in this combing. He would have atopled neurasthenia as the most felling tem for his bechures, be daid, but feared that by inviting his andience to listen to him on Such a fuliject he would be limiting their vision to view? of Mallage and Thiffing - a thing which he had no wish to do. Having this sisposed of Markage and chiffing he Dought to make a ristrict impression against the use of Trugs, and to his end directed all his energy. Iwant to insist" he said " that the highest position we can take is to cure people by atirice pather than by drugs." The use of duse was considered narely secessary, and more frequently than not their exhibition was not meded, when to give them was gnalkery. Tes! when to give them is poison

Theatment proposed in the following year (1893) by M. De flenry; lefore the French association for the advancement of the leiences. In lemaine Med. 1893 p. 387) "A neurotis" lups 5: Goodhart " is less treated by the estal Chade of neegleet"; and M. De fleury in his plan expressed the consistion that while for equipment of enervation balerianate Dammorium is preferable to the bromides, wi; "the better plan is to abstain altogether from medicines".

This flight into that weal police of moreine When we will grafe Juple Pay us for the use of our brains and not for so many number of plusie" and When Murstie pains will be satisfactorily treated by telling the Patiento "that they must learn to bear them" when puhents are to be treated to come instruction in elementary physiology or Moral Juation as their case leems to genant, was comewhat tharply interrupted by Gowers, who in an attess on Thurstogy and therefrenties (Lancel 1893 Vol 7 p 915) says concerning functional and trubutional visorders: "In both If these the beneficial influence of verys appears to me to be beyont question. They need to be chosen with judgment, Changed with discrimination, and employed with perseverance. Given these contitions Thave been fur prised at the amount I foot that had been some in affections commonly looked lipon as intractable in relief arrest and restoration. With each breeessive years experience it beens to one greater and more vistinet and to elicit more gratilise from the fatients to whom it is applied."

Certain methods for the cure of Menralthenia by the injection of ammal fluids have been proposed. The idea originated in Brown-légnard's experiments which he pirst made known in fune 1889 (lemane Med. 1889, p. 190.). In thuse he bought to demonstrate that the debility due to old age is the result of made pecreule of functional power in the testieles, and proposed for its

relief the injection, subentaneously, I fam extract purcured from the listicles of animals. The application of such as a cone for new astheries arose from Confusing the schilly of this disease with that of advanced age, and thus newaltheria beened specially suited for experimenting upon. The results were however more, batisfactory and so smuch suight have been eseptected from the fact not infrequently of view of thenies beforing from sepreshow and exhaustion while the testicles are buriened, enlarged, and love, from the presence of too much testicular secretion.

In February 1892, about I years after Brownsequares first communication on the balue of testicular pieces, M. Constantin Paul proposed before the French academy of Medicine ( Lemaine Med. 1892, p. 64) a new cure for Newrasthenia, by the injection Ententaneously. I extracts of nerve listue. Graduelly bringing his work in this virection into preise form he published his results in the July number of the Gaz. Der Hopit. 1842, and these seemed buly wonderful. In this combig the subject was taken up by to althous who Contributed a paper or it to the Janeet for 1893 tol in D. 1376. The remedy evens in D. althous handt to have Given very limitar perulls to those obtained by M. C. Doul, and the conclusion was arrived at "that in conditions purely function al good results may be Hamed from these injections Without any other active treatment. The physiotogical effects of these injelions in persons of health," we relaid to be " "Chiefly feelings of mereased newous energy and buoyancy, and greater capacity for physical and

intellectual exection without much subsequent exchanstion".

The idea in botto methost was "that one mightfind in the animal tisbues a Lord Jessence of visibily, a lensomaine tonie capable of provincing in extremely Jeeble roles an effectas great you good, as morbid plomaines can produce for wil". The foot, however, became less and less apparent, and the evil more and have to, till at last it became very evident that buch Method are Alternely Jungerous. Vigourouse in his world, Neuralthénia et arthritism D. 85, Mentions 3 accidents as having elevaed through buch injections. Iwo of there were by dulesticities lignin; in the onle case the Jakents life was in songer for deveral ours, and in the other an intoxication was intreed which ented in realth within 48 hours. The third accident was through the cel Combral substance, which injected into the wells of the abovenen determined a phlegmon of long duration. Out wan the food effects are doubtful. There never found them in Disease: and as for the physiological effects, after carefully preparing the extracts anyself so as to be considered their Jurily, Chave injusted ones up to 10 times the thought recommended, without being Conseions of any effect.

Electricity has been such resorted to as a cure for neuralthensa in various modes of application. For the insomnia of Newrasthenia Herley Lancel 1993 Vol. 7, \$1397 has chough recommended it. and has described fully and clearly how he applies it in each conditions, and the results. His patient fam, however,

again was with a fire Henrasthine as the little would lead up to believe. Its a local application for long existing Germatorshuse Towenfeld is ofopinion that it is always intreated, and tays that in non gonowhad cases it belsom fails to attain this inthe say one must be prepared to continue the treatment in Astinate Cases for leveral mouther (11 wastherin p. 664-5). But against such a continuous use of it Dinswanger through Hicels, and outvises instead, that if by weak and easily excited patients such proceTure roes with show good specily it is the given up. Every Jean"he atts " I see an great number of flatents whose wrethras along with other ill usage have been subjected to several mouths treatment with the catheter electrotic without success. The beafed up local treatment has rather furnished new food for the typochon trineal notions and have thoroughly and finally Convinced the Patients of the topelessness of their lexial weaknesses" (p. 423)

Then can be no doubt that electricity whether applied generally or locally is to many extremely disagreeable, and the some may easily be over reached. It is well to remember that as a rule airell's bear very small so sees in Comparison with children. I have been a thoughealthy man surprised to discover that his child could handle with indeference, electrodes which he could not touch with the lips of his fingers com for an instant without suffering disagreeable lendations for an instant without suffering disagreeable lendations for an instant period afterwards: as a boy he had also on an oceasion amoustrated that he could handle the clectrodes of such a battery

in action, also with indifference, and the accidental discovery of this alliention in his neword system came as a peak purprise to him. It is well to bear luck or case in grint, when we are tempted, for the lake of friend or comportable. Bisides it is very possible that the food eyechs usually ascended to electricity are mostly such buggestion. Electricity least itself most readily to the production of prychical effect. In D: Hester's case there was probably another influence at work; the Dalient was greatly annoted by night

The Treatment of nervous disorders by estil boths has always been a favorite with the profession. Whyth, page 349 lass: "Witting Ferlight theightens the grevous system more butting ... It is enough for spore people to go into the cold bath 3 or 4 times a week; but at it tends to make people timer those I ho are too plump may use it daily". In all modern works the consideration of hydro-therefulies is fully real with, but it is just questionable whether in aurasthina it well as bestfically at in other neuroses, in which Want of news energy and ready eschaustion are not the chief feature. Lum thinking of my gremastheme patient who is the disease progressed suffered from attacks of paralysis when expoled to cold for a certain time either by litting in clurch or in his trap. The years during which Ewas therefore Obliged to athrise him against

cold at much as against over exertion in other found, has made me observant of the action of cold upon others. In health most Jeople are very censible of the charget giving and refreshing influences of the cold bath and readily come to enjoy them from time to lime if not continually. But I have men yet found the newrasthenic who thanked me for euch. The cold both, you has to be into its pearly extracts wo much energy that it rarely Toes good except during a listiday, when, except in very lever cases, it thousand never be mitted; but those who While suffering from the disease must remain at business will Just that an extra half hours rest in the monning, just at the period when they are quot inclined to eleep, is infinitely more valuable. If this half hour is exchanged for the cold bath and the necessary drying and subbing the Batient may indeed and often gold fur outh exercise very pleasants at the time, but he goes to begin the business of the day enhantled. In the neurostherie is often very miserable and feels quite done up in the morning, but that will fall and his best plan is not to force things too early us the day Balling the arms, or the lower linds for about 30 Sceonds as advised by Charett, Leons on Marti 1887, D. 36) is enficient. A full bath is a luxury to be enjoyed only when the Patient after his accustomed feriod of rest can go back to bed for and the hour or too Beard has Observed that even furkish and Mussiam baths to harm in a considerable gumber of instances, and this and so much from any fault in the principle affrom the way in which they are abused. He was never willing to let

very newows patients take them unless they some closely watched to be that they did not remain in too long and become exhausted (nurasthenin p. 219.).

The most recent fall enes proposed for neurasthenia is the climatic. a judiciously chosen change of chimate is in itself a good thing, and when to this is joined the influence ? altitude upon the composition of the blood particularly in in-Creating the number of the per blood Confuscles, it is evident that the proceeds of untition can be thereby favourably affected. Hothe in a Pamphlet " 3 ur Wimalischen Dehandlung der Merrasthenie, in 1896, foes very thoroughly into this subject. He seeds to place his idea on a ferentice basis and find this in a consideration of the enormous blood Jupply which the brain receives in comparison with the rest of the body and in the observation first made by Viault upon the increase of red blood corpuseles in high climates. Traults observation was supported by the investigations of Egger and Miescher, Wolff and Hoppe, of faruntowski and februder, and from these fithe draws the incontestable result, that with the ascent from the lear-level, along with the well known gereale in almospherie Dressure and moisture, there is a cleady mercale in the number of the feed blood corpuseles in the healthy of well as in the unhealty and inteed from about 5000 000 at the lea-coultto about 5 750 000 at a height of 440 m above the fea-level. -Friedrichrode - and to 7 000 000 at a height of 1800 M above the level of the war - arosa -. By the Descent the decrease

takes place regularly till the original number is reached - touchines quicker to that fewer hours or vays are required to return to the proportion counterporting to the allitude"

Grawilly attributes this enormous increase in the not blood conpuseles to the thickening of the blood caused by the greater dryness of the atmosphere, the increased frequency and Depth of the sesperation and the consequently inevaled water lots which the body thereby suffers. But lithe lets himsely our the live of those who oppose and an explanation, and takes the opportunity of regering to the expressed views of Winternity, who sees in climatic hyour therepentic and Ther influences, a state of affairs favourable to the cetting free of the enormous numbers of red blood corpuseles which ordinaily his quiet, and to a centain extent latent, in Jone Marrow and in the expleen bout under the view conditions become mobile und one drawn into the circulation from which they retreat again to their place grest on the cessation of the influences of work" In Ench a fastinon Pothe lector to place his idea upon a leintific basis and creasons steady to the conclusion: that in Climate we foldess an extremely valuable remedy, capable I suffurncing in a penarhold manner the composition and the distribution of the blood of acting as a special chimulant upon the reflex relations which exist between the fin and the brain, Strengthening to the bessels of the brain, invigorating to the Stream in the blood and lymph bistels, thirty improving the general untrition of the survous system and by the beneficial

body. If to the instance of chimali is associated builty to the ent in view, and properly chosen with pegard to the Patient, the secessary and healt proteing diabetic, bughniche, and electrical semesties there are sew eases, which you'll quite cured in the course of time with who least show themselves capable of improvement." (p. 13).

In order that the review here untertaken might be made fairly comprehensive it was necessary to give the climate Cure mention along with others, and it heems to be less Then to the Sjection of being easily oversome. Pinswanger wound against the senting of elderly fatients into high climates if they before from berligo and appearances of Cerebral Congestion of it my buspieron A Selevotis of the arteries is unlestained ( 2.5/5), and Nother admits that really high climates always remant youthful and probubl constitutions and of others are lent oxisting neurasthenie may be made Work, on a slimbering Disposition to the Diseak actually anshered. In all cases he recommend that the cure should be undertaken Crumally. He Jatient Chould at first restrain himself from all Physical exertion and fratually acclimatize himself to the mountain air in order to avoid the to-called fill or mountain-Disease, the general equiplous Twhiel are - Jeneral excitability Palpilation, Typnam, Verligo heatache etc.

It is indeed very of vious in in the thortest

of our drugs and in wethout of treatment, at well as in the great clotiration which certain remedies, electricity, quastage, gymnasties of haydro-therefulies, have untergone in regard to their application, that a new changer has been created for the neural theme; and that to the Ther evil influences which province and hourish the disease Why-Treatment must now be added as not the teast remote or least to be feared. The nature of the deseale too, tent itself buy readily to the danger of overtreatment. The newrastheine is easily let I Child is welcomed as a plot across un open effece on the bunk of which he may be clanding in anguish (agoroflotia), and in Thedience to his doctor he will do everything, in his intense resise to get well. He will clarve limsely to core his ograpepsis rethan lexual tenveneies to lave his thought, allow himself to be charged with electricity till the table of Jalvanism remains in his quout for Days and Prieling and Thinging few Sations Weep him quiserable for a week afterward. After his usual days work he will your the atrice of his doctor, and a couple of hours more work in the shape I walking exercise, or continue full till be is dead tied for the Lake I winning a night's cleep; and when he retires to rest So Johnes that not a winh can be got be will for the remainder of the night allow himself to be half forsomed with fulphonal, and rise in the morning according to orders to take a cold bath even in the rear of winter for the take of its alleged throughting Jower. All this he will bubined to without a kurners and be ready for even more - the neurasthenie female even submitting to the most levious Merations in order to escape from her trouble.

To avoid this danger of overtreatment we multi in the first place be willing to team more from our faticulis than we have been willing to To in the fast. After the lesson which I' homme and petits Papiers" Las laught ut this should be easier Has we accepted frankly and in foot failt his few notes of his cake which he so, offered in sain, and Which in many cases it is trow attritted that no goelor could draw up better (Kam arzt bester zu Stande bringt), to much ignorance would withwe prevailed in the past concerning the lufterings of the paliant; and if we now orceeft the information which is now Thin as Carefully drawn up with regard to the Effects of treatment, much fuffering will be land and the way cleared for rational treatment in the future Binswanger has in one place thown us how this may be rome. When learthing for a therepeute indication asto the best place for a climate cum he buys: " One follows lingthe the frimeight, land the Palient there where be formerly found health and throught " of luch a guite, therepentically, is to be followed in pregant to a chimate come it is despett to see why it should not be accepted in Then queetions is well.

In the beant place, to avoid the ranger of overtreatment we must ever keep steadily in eight the indications while the disease treey shows for treatment: these am-:

I heat the cause;

Theat the condition introd by the cause is the basis of the disease; The disease; French any special localisation of the disease which may remainst attention.

The first intriation is fulfilled by carefully engrunny into the tristory of the case so as to discover the causes
which gave brith to the viscase or favoured its development and
when these are formed they amost be removed as for as possible
from the fatient. Without this being some all attempts to come
the viscase may be vain, and in the hereditary cases it is all inPortant, as only by such amount can the individual be kept from
sufferings to which he is by nature disposed.

In the fulfluent of the beand invication we are likely to evered last by attenting carefully to the processes of autilion. In all their chronic viscuses attention to the processes Dutilion is also the chief matter, and usually queans regulation of the diel; but to then is regulation of giel synonymous with simmution, or avoidance of special articles, in ordinary conversation that the latter meaning is the commonly accepted one and regulation of the viel had come to seem pretty much the same as secreasing it. It is the lot of those who interest themselves in this viscose to come frequently into contact with patients whose diets have been Do offen regulated that there is nothing further left to regulate, and under fuch Circumstances both Patient and doctor may be not a little non-Pluster. a humorous illustration or what was wisently intended to be such, of this past, was given in a high cluss weekly paper ( the Heiegende Blatter") some time ago. The doctor is represented clauding at the bedsite and in tones more of Sorrow than of onger reproaches his patient for having your and spoiled his clomach again, and demands

to be informed how buch could possibly occur after all his instructions. The Jalient, a Freatfully emuciated and flawed booking creature, leems to feel that he is comehow to blame and tumbly opines that he may Jerhals on the preceeting say have looked too longingly in a Dastry Cosh's window. Luch an infortimate is however in actual life no uncommon diject. Over and over again there been buch eases, in Which doelor and policit have worked hand in hand to Produce Confrontines which would be lutierous in the estheme were they not so piliful. When Called to be fuel, after hoving assured quisely that no organic disease exists such as catarrh illeration I the Somath etc. to account for the bounding and pain, Eleve often astonished the patient by utterly, in the ordinary cense of the term, Mondowing all regulation of fiel and Laying govern only one rule - the taking Jas much of congting it follible, beginning with will for a day or two, and proceeding to loups, eggs, bread with Touter, mutton chops, fish meat etc. by rapit clips. buch an order is aft to take the patients breath away, and the may interrupt, as end a fatient git recently with the remarks but y I sit up in bet and take even a mouthful Juilly Ewill would it. " Then douteit up was the answer, for the heat-week Jon are not wanted to move a finger let alone raise jour heat from jour pillow even to take jood " this patient improved to reporty that it was with difficulty the could be kept in bed for 3 weeks. The habit Jattending & ench cases enables the doctor to vispense with Too great contion in laying rown a rule regarding the quantity of food to be taken . Once that he is certain that go organice affection exists and that he has to

deal only with a neurosis, such an order may be siven with paged. Confidence that no evil will result, and to four patients, who are sury offin sufferers in this way, such recision is very important from many faints of view

Angs however affist and in promoting and mountaining the eure and Thould never be omitted from the plan. according to circumstances their fast may be limple or more complen. Lu die above case a Umulating tonie consisting of Jinch Mais Vom. lod. brearl, ept. Cheorsform., Jeni et ann. Cit., ol. cajepuli and isput. of question was fiven four times vaily before quests. In the cales There lleplessness is an prominent lymptom buch a knischure should not be taken later than / an hour before the afternoon tea. after while time a dustine of bromise of potablum ferri pot tast lig. arbenicalis and a Campho water & chicle. This change of gruge has suggestive influere which some might consider Naturable, as with the first dose I the ledelive touce the business of the very acry be considered cloted and the brain let in repole; out-Which feeling I quelness neutres conversation reading music nor any other time should be abowed to bring it. Evel medicinal historient allow of greaty modifications. If the viole is contraindrealed it may be left out, or is constitution is a prominent feature Dulv. Kliei, in proper roses, may be put in its place. I a greater fedative effect is gesired the mon may be left out of the bedalin-Mischere whiel can then be given more farguently or y retherlass and wental fain attend the elepherhurs, Thenacelin and hypolyamus may be attet to the bromite Mixture, and a return must to the

original formula af som as possible. Other modifications marily suggest thurselves if required. When lexual weakness is annel complained of the prescription may rather Consist of come of the Hionger preparations: - linet. Jerri Ferellor, grimine, Ly. Obyelin. and in Guassia. Once the naresthenic feels himbelg suled however, he is very inwilling to allow any attenation in the miseture. The above combinations also clearly suit this over I crises vory well; for their constant wish is to be in health what they were and after Binswanger's Method they might be labelled " Unulant. or Wative-restorative

There is however a class of heuralthines who would get worse upon the above treatment. In them there is ground for thinking, as to lavage lays," that we also plays a fast in the prometion of the symptoms, and such patients must be treated as if they were gouly". Inch cases turn up frequently and give in Detail a lot of Symptoms extremely like those of their altheria. but the history of such cases reveals causes of a Different Mahire in action from those which province herralthener, and from experience Learned Lay that they Ther my Tragnothie difficulties . Even in the general appresence there is usually an invication, or hoo. while foul's the way distinctly to the true diagnosis: the Massive Jan. on solid teeth, the broad abdomen, or the florid complexion, may To this. In a recent case the Patient has long complained of Men? (1 19. M. J. 1894 Vol. 1 p.522.

affrence eymptoms; he was cloub but eately fatigued, and complainet of pains of a Alumatic nature in the louis and elsewhere. His wife had lost palience with his constant uselessness, and could wit imberstand how he could Justible be lo. He withthe his in bet till he got his breakfull there, there piece and take mother in an hour or to, and Was at ready for an early Simmer at those who hat only broken these fast earlier in the day. He is an energetic mom int wither limply to be what he hat been in this reffect. Dere regulation of the diet in the ordinary lense, and a bath, followed by signous friction all over the body, every morning, dis almost all the good wished for. The Misetime fiven consisted of City of littium, Low. of potastum, bulieylate of sovien, collieum wine, Jolis. viearle and tuf. I quastia as a vehicle. The fains in the lowed which has been very puristent for july your mouths, and for whiel he had employed embrocations fuctions flamel belts ele disappreared in the course of a week; he toll in Cloubness and gained fleatily in Vigour and in a short line fell quite Contented with both.

At for the third indication which the descape.

Mers us for treatment I have for my part little to lay. The

localisations of symptoms which are usually descussed under buch
a heading are: Aupliestness and the conditions of the nervous system

which may affociate themselves with it es. irritibility, mental pain,

cli: Gallow-intestinal troubles including constitution; the

various newrasthenie fears; the various neuralgias, buch as Glossodynia, Gastiodyna Helphralgun, che. and the Perhaps more common conditions of irribility of the breaks of the ovaries or in the male of the testilles. Such symptoms may be discussed and treated reperately in tooks, but never in practice. When we have a Menraethenie to deal with, our treatment should be prophyladic as well at curative in its intentions, and if we have to him attention to lymptoms here and there and five lovey this and to-morrow teats, for their relief, it is a light that our therefeele plan is a fore one The day and the Evening Michiel Juight be thought ofen to this very reproach but that is tot to they are intended to buil the dimenal variations in the newous eystem, and the Jahent soon learns their groper use. The levalive quieline especially yil ousists I bromite of polas. Thenacelus hysteramus and Camphoz water will generally built is headache as well as fleeghesball restlessness and mental fain, of inititity of the ovaries or lesticles, or even a deiatien de. and employed with deill or elight modifications will except upon rure occasiones when a Letative himment on a Vister may be required, selvem require assistance. The Amuntolouis quiseline is likewise adapted to meet all the indications, ordenil and were bounice are constant elements; the row or plubart may replace each Ther according as anemia or Constipation genount, The Loda, HH. of Chloroform, oil of Capeful and in quastice are nearly always in reguest for their Househie influences.

There is nothing new in all this, but the

Conception. Shat is well represented in the term newastheman by which we are are priminded that the condition
we are treating is essentially one of Debility due to defects
in the quantity and quality of were gorce; and fully recognising
this we receive in turn the more encouragement and happort
in carrying our Plans of treatment into thorough and juccessary
frolouged operation than we could ever hope to precioe
those replaced.

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It would be impossible to Jive in the space at our command anything like a detailed preview of this fast of the beliefest; there is good space, even, to Mention some of the references abrudy given but therefing in their the intention of this thesis a choice may be made to illustrate the evolution of the term greatesthems and thereafter to inviente what work has been done on the subject. With the first of these steples in view we may show the evolution of the term thus:

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