

scalp, is productive of the best results (Wa). **Mercury**, the Bichloride internally has proved a successful remedy (Wa); mercurial inunction should be used heroically as long as there is any reason to doubt the diagnosis, in the hope that the case may be one of simple meningitis (Whitla). **Magnesium Carbonate**, $\bar{3}j$ - \bar{ij} saturated with Lemon-juice, every 2 or 3 hours, a useful purgative in hydrocephalus (Wa). **Turpentine**, in doses of $\bar{m}v$ - x with $\bar{m}xx$ - xl of Castor Oil, or terebinthinate enemata, in incipient hydrocephalus (Wa). **Purgatives**, in small doses, every 4 or 6 hours after having overcome the constipation, to maintain action for some days; a single dose of Calomel, followed up by Magnesium Sulphate at short intervals; their value can hardly be over-rated (Wa). **Leeches**, on crown of head rather than on temples, when much febrile action; inadmissible if patient is much debilitated; sometimes serviceable (Wa). Cases of recovery have been reported by reliable authorities, but they are extremely rare, and there is always a reasonable doubt as to the correctness of the diagnosis. I have never seen a case recover which I regarded as tuberculous (O). [Compare HYDROCEPHALUS.]

Menorrhagia.

Opium, has specific action in reducing the uterine circulation and should be pushed, even to inducing habit, in severe cases (Lutaud). **Cotarnine** is a powerful vaso-constrictor and is almost specific in uterine hemorrhage (Boldt); is efficient in uncomplicated cases (Gärtig); the Hydrochloride gr. j every 2 or 3 hours, or gr. ss 4 times daily for a few days before the expected period in habitual cases. **Hydrastinine** arrests uterine hemorrhage and is successfully used in menorrhagia (W): gr. j of the Hydrochloride hypodermically for immediate effect, by the mouth for prolonged action. **Ergot**, large spongy uterus; Bromides better (B); Ergotin, gr. j or \bar{ij} in glycerin and water, undoubtedly efficacious as hypodermic injection (P); in all forms (R); minim doses of the fluid extract are very beneficial (Smith). **Bromides**, usually arrest promptly (B); that of Potassium most useful in young women if loss occurs at period only; commence the Bromide a week before and discontinue when discharge ceases till a week before the next term; if loss occurs every two or three weeks give Bromides continuously in 10-grain doses, but more when organic changes in womb (R, Wa). **Potassium Chlorate or Bromide**, in doses of gr. xv thrice daily, combined with Ergot, has an almost infallible influence over uterine hemorrhage, unless caused by cancer, polypi, adherent placenta, or other similar affections (Tait). **Cannabis Indica**, often successful (R): gtt. v- x of tinct., thrice daily, productive of extraordinary success (Wa); has a stimulant action on the uterine muscular fibre, and may be given in combination with Ergot (B). **Gossypium**, a favorite uterine hemostatic in many hospitals, 30-minim doses of the fluid extract every four hours (Parvin). **Quinine**, has been recommended (R); after Ergot it is the best agent, in 6-grain doses every 3 hours (Parvin). **Saloquinine** is very efficient in profuse menorrhagia. **Digitalis**, very useful, especially when from heart disease, in plethoric subjects (R); $\bar{3}j$ - \bar{jss} of infusion will arrest menorrhagia when unconnected with disease (P, R). **Aloes**, with Iron in debilitated and relaxed subjects (B). **Gallic Acid** is very efficient (R). **Calcium Chloride** gr. vij every 2 hours increases the coagulability of the blood and is an efficient hemostatic (Gross). **Calcium Phosphate** in anemia due to excessive menstruation (R); in the menorrhagia of anemic subjects (Schönian). **Ipecacuanha**, in full emetic doses (Wa); is excellent (B); Ergot is better (P). **Savin**, enlarged, relaxed, and passively congested uterus (B); in 5-10 drop doses of tinct. in water every half-hour to three hours, has proved useful (P); when menorrhagia due to want of tone in uterus (R). **Erigeron**, the Oil in doses of $\bar{m}x$ is efficient (Wa); is especially valuable (W). **Rue** when there is a low vascular tonus (B). **Iron** in cases due to anemia (B). **Hamamelis** is of high repute (Pf). **Cimicifuga** in passive form, the blood being coagulated and dark colored (P); for the accompanying headache (R). **Ammonium Chloride** for the headache (R). **Magnesium Sulphate**, very small doses with a little dilute Sulphuric Acid and syrup, is exceedingly useful (Wa). **Cinnamon**, the Oil, in drachm doses (R). **Mammary Extract**, gave signal satisfaction as an internal remedy in two cases of menorrhagia with dysmenorrhea and enlarged uterus (Bell); is of benefit (Shober). **Thyroid Extract** will prove of service (W). **Water**, hot water bag to lower dorsal and lumbar

vertebræ (R); cold sitz-bath, feet in warm water, especially valuable; 60°-65° F., for 5-15 minutes, patient then quickly dried and put to bed. [Compare METRORRHAGIA.]

R. Fluidextr. Ipecac.,..... $\bar{3}ij$.	R. Ext. Ergotæ (Squibb),..... gr. xij.
Fluidextr. Ergotæ,..... $\bar{3}iv$.	Ext. Opii,..... gr. vj.
Fluidextr. Digitalis,..... $\bar{3}ij$.	M. et div. in pil. no. xij.
M. Sig.—A half teasp. to a teasp. as required until emesis occurs. (B.)	Sig.—One pill every hour, in profuse menstruation of atonic type.

Menstrual Disorders.

Aconite, gtt. j of tinct. every half-hour or hourly promptly restores the discharge when suddenly suppressed from chill (P, B, R, Wa); as emmenagogue (Tr). **Pulsatilla**, often of the greatest value when menses scanty or delayed, or suppressed by fright or chill (P, B). **Ignatia**, in the suppression of hysteria (P). **Savin**, a powerful uterine tonic; as emmenagogue certain, powerful, safe (P). **Ferrum**, in anemic subjects (B). **Aloes**, as emmenagogue [see AMENORRHEA]. **Cocculus Indicus**, for irregular menstruation with colicky pains and scanty discharge; should be given for a few days prior to and during period (P); $\bar{m}ij$ - \bar{ij} of a saturated tincture thrice daily. **Opium**, in suppression from violent mental emotions, a valuable remedy (Wa); in many menstrual disorders it proves invaluable, but must be cautiously administered lest the habit be formed. **Saloquinine** in doses of gr. xxx, is very efficient for menstrual colic. **Cimicifuga**, relieves heat and pains in the head, flushings of the face, pains in back and limbs, when occurring as the result of menstrual perversion (Wa). [Compare AMENORRHEA, DYSMENORRHEA, MENORRHAGIA, CLIMACTERIC DISORDERS.]

Metritis.

Opium, by suppositories or enema is more effectual than if administered internally (Wa). **Aconite**, is invaluable in early stage of simple inflammatory fevers (P). **Ichthyol** in 5 per cent. mixture with glycerin or vaginal tampons, is of great value in chronic parametritis, subacute and chronic perimetritis, and other uterine affections of inflammatory origin (Freund). **Picratol** in saturated glycerin solution on tampons, to relieve congestion and pain (Yale). **Heat**, to the feet, and by large poultice to the abdomen; also hot water vaginal injection literally for hours if possible, repeated at short intervals; the only means of aborting an attack of cellulitis (E), which is the condition generally present in cases which are usually supposed to be acute metritis (Playfair). **Turpentine**, as hot epithems; few measures are more generally serviceable (Wa). **Linseed Poultices**, produce great relief to pain and favorably affect the course of the disease (Duncan). **Leeches**, to the hypogastric region, may be required in patients of full habit. [Compare ENDOMETRITIS, PUERPERAL FEVER.]

Metrorrhagia.

Opium, has specific action on the uterine circulation and should be given freely in intractable cases of metrorrhagia from uterine fibroids or cancer, in which the establishment of the opium-habit is often advisable (Lutaud). **Cotarnine** is a powerful uterine hemostatic and is efficient in all forms of uterine hemorrhage, in doses of gr. j of the Hydrochlorate every 2 or 3 hours (Boldt). **Hydrastinine** is a powerful uterine vaso-constrictor, and is efficient (see under MENORRHAGIA). **Ergot** in full doses every hour is the most valuable remedy (R). **Iodipin** hypodermically, proved curative in a severe and long-standing case of uterine hemorrhage (Keith). **Atropine** hypodermically, in profuse metrorrhagia after abortion or of obscure origin; may require as many as four injections to cause cessation of the flow (Squibb). **Salipyrin**, in doses of gr. xv thrice daily, employed in fifty cases of metrorrhagia from various causes, with best results in cases following labor or abortion (Orthmann). **Ipecacuanha**, possesses considerable energy in arresting flooding (P); in full emetic doses, gr. xx in evening, followed by an acidulated draught in the morning (Wa). **Hamamelis**, when

persistent oozing (R). **Cannabis Indica**, often arrests metrorrhagia especially when at climacteric; tincture gtt. v-xx ter die (P); has had extraordinary success in number and rapidity of cures (Wa). **Sulphuric Acid**, sometimes very effective, especially when due to fibroid or polypus; Ac. Sulphurici Dil., gtt. v-xx, well diluted (B); long and extensively prescribed (Wa). **Cinnamon**, is used with good effect (P); has specific action on the uterus (T). **Digitalis**, in plethoric subjects; the infusion best, a tablesp. bis die (P); the effect is prompt and decided (Wa). **Magnesium Sulphate**, often succeeds (B). **Senegin**, in 2-grain doses, is successfully employed (P). **Calcium Chloride** in doses of gr. viij every 2 hours, increases the coagulability of the blood and is efficiently hemostatic (Gross). **Savin** in doses of gtt. v-x of the tincture in cold water every half hour (P). **Iron**, the styptic preparations as injections into the uterus (B). **Ice** applied to the abdomen or within the uterus (B); Ice in every way the first thing to try (Wa). **Rest**, absolutely necessary. **Dry Cupping**, over the sacrum, is found useful (R). [Compare MENORRHAGIA, UTERINE TUMORS.]

℞. Fluidextr. Ergotæ,..... ℥ ss.
Fluidextr. Senec. Aur.,
Fluidextr. Viburn. Prunif.,.āā ℥j.
Ol. Myristicæ,..... ℥ xx.
Syr. Simplicis,..... q. s. ad ℥vj.

M. Sig.—A dessertsp. every ¼ hour until relieved, then reduce the dose. Keep the head low, and apply cold over the hypogastrium.

℞. Cotarninæ Hydrochl.,..... gr. xv.
Ergotini (Bonjean),..... gr. xxx.
Ext. Gossypii,..... gr. xxx.
M. fiat capsulæ no. x. Sig.—One capsule every 2 or 3 hours.

℞. Cotarninæ Hydrochl.,..... gr. x
Fluidextr. Ergotæ,..... ℥iv.
Elix. Simplicis,..... q. s. ad ℥ij.
M. Sig.—℥ij every 2 hours.

Miliaria—Prickly Heat.

Phenol, a 4 or 5 per cent. solution in water, adding a little glycerin, is much the best local application for the itching and prickly sensations. **Baths**, warm or containing Sulphides (R); sponge baths with alkaline lotions, diluted lead-water, fluid extract of Grindelia well diluted, or a solution of Copper Sulphate gr. x to the ℥, with dusting powders of Lycopodium, Zinc Oxide or Starch, singly or combined (Hughes); fine rice powder makes an excellent application. **Tannoform** with Boric Acid and Talcum, equal parts of each, makes an excellent dusting powder. **Diet** in severe cases should be simple, nutritious but not stimulating, alcohol is most deleterious (Pringle); it is most important to avoid all causes of perspiration, as the copious consumption of fluids, excessive exercise, close rooms and warm clothing (Mn). Prickly heat is a form of miliaria, not of lichen, and is due to the excessive sweating incident to the heat of tropical climates (Id). **Inunction** of the body after the morning bath, with vaselin or some fatty material, is a valuable prophylactic in persons who are subject to the affection (Pringle).

Miliary Fever.

Aconite, for the hyperpyrexia (R, P). **Cooling Drinks**, purgatives and anti-phlogistics, in mild cases; malignant ones sometimes occur, and are dangerous (A). **Lime-water** applied by sponging, is very useful; or a lotion of Zinc Oxide suspended in Lime-water, gr. xl to ℥j, painted on the affected parts of the skin, and permitted to dry thereon (E. Wilson).

Muscæ Volitantes.

Potassium Iodide, very effectual in curing muscæ depending upon hepatic derangement (Wa). **Valerian**, often found curative (Wa). **Muscæ Volitantes** are due to shadows cast on the retina by fibrillæ floating in the vitreous body, and are most visible to myopic persons; they do not merit attention unless very abundant, or steadily increasing (C). Rest of the eye necessary. Neutral-tint glasses may be worn to render the muscæ less visible, if troublesome.

Myalgia.

Arnica, the best agent for contused muscular fibre; also for shake, concussion, shock; ℥v-x every 2 or 3 hours in water (P); a few drops of tincture internally, removes stiffness, after packing with cold, wet sheet (R). **Cimicifuga**, often succeeds wonderfully, as often fails; no indications for its use (B); general bruised sensation (R). **Ammonium Chloride**, in 10- to 20-grain doses, the most efficient remedy (Anstie); is effective (R). **Formic Acid** is a wonderful remedy for muscular fatigue; should be combined with sodium bicarbonate to save the stomach from distress (Clement). **Veratrine**, the ointment externally may control (B). **Belladonna**, as liniment, is often successful (R). **Gelsemium**, frequently cures, but large doses are necessary, ℥v-xx of the fluid extract every 3 hours (B). **Coca**, to relieve the sense of fatigue (P). **Opium**, by frictions or poultices (R). **Iodine**, ointment for pain and tender muscles of the chest, when skin may be pinched without pain (R). **Xanthoxylum**, externally and internally, has a deserved reputation (B). **Chloroform Liniment**, with friction, often affords great relief (Wa). **Firing**, sometimes very beneficial (B). **Packing** with dripping wet sheet (R). **Counter-irritation**, by firing, aquapuncture, acupuncture (B). **Electricity**, the constant current (B). **Baths**, Turkish, in aching muscles, from over-exertion (R). **Poultices**, very hot, followed by applications of lint and oilskin (R). **Rest**, is the remedy, of course (Wa); rest and support to weak muscles are important until they regain tone; especially in painful muscular affections following prolonged or excessive exertion, or in the soreness or stiffness which occurs during convalescence from any long illness, or accompanying general debility, and generally better after repose, but increased with fatigue. [Compare LUMBAGO, PLEURODYNIA, RHEUMATISM, MUSCULAR.]

Myelitis.

Belladonna, is decidedly effective, especially when disease is brought on by external violence (P). **Ergot**, most successful: large doses are necessary (B). **Electricity**, in chronic, not in recent form (B). **Silver Nitrate** in chronic inflammations of the cord, is still employed but is of doubtful value (W). **Phosphorus** is often of value in myelitic paraplegia from excessive venery (W). **Silver Phosphate** is of value in myelitis with disturbance of the bladder and rectum (Wa). **Sodium Phosphate** hypodermically, was employed with great benefit in a case of syringo-myelitis. **Electricity**, galvanic currents should be strictly forbidden until the effects of the inflammation are to be dealt with (W). **Water-cure**, Ice-bag to spine, feet in hot water; or better, hot douche to spine (B). **Cold**, externally, by ice-bags along the spine, with cupping or leeching if much localized pain or tenderness; spoon feeding and a sparing amount of stimulants, also copious warm enemata to relieve the bowels and act as derivatives. Little, if anything, is to be done with drugs. Posture should be prone, or on side; absolute rest (Bastian). [Compare MENINGITIS SPINAL, PARALYSIS.]

Myopia.

Atropine, by daily instillation, for the purpose of sacrificing either the convergence or the accommodation, in cases where failure of the internal recti occurs, the disability assuming the form of muscular asthenopia (C). **Glasses**, properly adjusted, should be worn from the commencement. **Extraction of the Lens**, produces the happiest results in extreme myopia, especially when progressive, since by removal of the crystalline lens the refraction of a very myopic eye is brought back nearly to emmetropia (Valude).

Myxedema.

Thyroid Extract, or the thyroid gland itself, fed to the patient daily, is now the recognized treatment, and produces the best results. **Tonics**, as Iron, Arsenic and the Hypophosphites, with diaphoretic drugs, as Pilocarpus, and daily baths, formed

the early treatment of this affection (Ord). **Exposure to Cold**, aggravates all the symptoms and causes great weakness and depression, even though the patient is not conscious of any discomfort from the impact of cold air, by reason of the thickened and insensible condition of the skin. Even while reaping so great a benefit from the use of the thyroid, we are still bound to shield our patients from exposure to cold (Ord).

Nails, Ingrowing.

Liq. Pot. Hydrox., a solution, ℥ij to ℥j, on cotton-wool, applied to margin of nail at ulcerated surface, to soften the nail in ingrowing toenail (B). **Glycerin**, or **Silver Nitrate**, on a fold of lint, to the ulcerated surface (C). **Picric Acid** in saturated solution freely, after removing the offending corner of nail, is very efficient (Milward). **Lead Carbonate**, a piece softened between the fingers, and applied as plaster beneath the fungous cushion, cures in a few days (Tr). **Paring** the nail, after softening in warm water, and cutting a V-shaped incision in centre of nail; the ingrowing portion should not be cut.

Nasal Affections.

Ammonia, by inhalation, in pain and inflammations of nose and frontal bones (R). **Potassium Iodide**, large doses, gr. xxx–lxxv daily, valuable in syphilitic affections of the nose (Wa). **Glycerite of Tannin**, to excoriations of inside of nose, after measles, scarlatina, etc., also for impetiginous eruptions of inside; epilation sometimes needful; also in discharge of greenish, black, stinking mucus (R). **Glycerite of Starch**, or **Zinc Ointment**, applied often, a good supplementary application (R). **Hydrastis**, in chronic catarrhal conditions and nasal ulcers, used internally and externally with great benefit (P). **Pulsatilla**, may be employed both internally and externally in nasal inflammations (P), and in acute inflammation of nose (B). **Cod-liver Oil** for chronic discharge (R). **Adrenal Extract**, locally, has many valuable uses in congestions of the nasal passages, also as a styptic after operations. **Mercuriol** is the least irritant of the efficient antiseptics for use in the nasal passages (Lake). **Argyrol** in 5 to 20 per cent. solutions locally, for catarrhal affections of the nose (Holmes). **Zinc Chloride**, gr. ij to the ℥, or the Phenolsulphonate, gr. v to the ℥, as solutions locally by cotton-wrapped probe to diminish sensibility of the nasal mucous membrane (Sajous). **Cocaine**, has many applications in treatment of nasal affections; a 4 per cent. solution by mop or spray will empty the engorged venous sinuses, and is very useful in acute catarrh and hay fever, also for posterior and anterior rhinoscopy (R). [Compare ACNE, CATARRH, EPISTAXIS, HAY FEVER, INFLUENZA, OZENA, POLYPUS, SNEEZING.]

Nausea.

Phenol, or **Creosote**, is very useful in the reflex nausea. **Hydrocyanic Acid**, ℥i–iv of the dilute acid in ℥j of water, is useful (Beale). **Ammonia**, ℥iij–iv of Aqua Ammoniac in a winegl. of water when the feeling of nausea is most troublesome, may cure the ailment (Id). **Hydrargyrum**, a small dose of Blue Pill or Calomel will sometimes cure very obstinate nausea, although many other remedies have failed (Id). **Cocaine**, a 2 per cent. solution sprayed high into the nasal passages, so as to reach the terminal filaments of the olfactory branches, is specific against nausea, its influence lasting several hours (Ingraham). **Chloroform**, ℥ij–v on sugar, will relieve some kinds of nausea (B). **Chloretone** gr. iij every ½ hour for 2 or 3 doses, is very efficient in the sickness accompanying menstruation (Hutton). **Ipecacuanha**, has no rival in sickness of pregnancy, scarcely less useful in that of chronic alcoholism; very small doses, gr. ⅓ of powder or ℥ij of wine (P). **Pulsatilla**, in dyspeptic nausea, with coated tongue, flatulence, sick headache (P). **Cocculus Indicus**, in cephalic nausea, violent but ineffectual efforts at vomiting (P). **Calumba**, in nausea of languid stomach with flatulence, has considerable reputation (P). **Cinnamon** or **Cloves**, will check nausea (P). **Nutmeg**, the simple powder in wine (P). **Pimenta**, **Pepper**, **Peppermint**, relieve nausea (P). **Tartaric Acid**, as effervescing draught, with a few drops of Tinct. Opii, Tinct. Calum-

bæ, or Dilute Hydrocyanic Acid added, when from morbid gastric irritation (Wa). **Bismuth Subnitrate**, or the Liquor Bismuthi, when the salt in substance disagrees, is a remedy of established value in nausea and vomiting arising from gastric disorders; may be combined with Hydrocyanic Acid (Wa). **Counter-irritation**, by a mustard poultice applied over the region of the stomach and liver for 20 minutes every 3 or 4 days (Beale). **Heat**, hot water on spongio-piline, worn for an hour or two, will frequently be found efficacious (Id). **Cold**, by a compress or ice-bag, over the stomach, is often very useful. [Compare DYSPEPSIA, HEADACHE BILIOUS-SICK, SEA-SICKNESS VOMITING.]

Necrosis.

Sarsaparilla, a very useful medicine in diseases of the bones (P). **Rest**, in a Salter's swing, with poultices, water-dressings or stimulating lotions, to aid the work of repair (Cl, Hilton). **Tonics**, nutritious food, baths, good hygiene, all are necessary adjuncts to local treatment (Andrews). **Acid Solutions**, of no use as solvents, may be employed with benefit for detergent and alterative effects to expedite the sloughing and restorative processes (Gross). **Operation** to remove sequestrum is generally necessary; or resection of the devitalized bone, the latter in young subjects greatly exhausted, where delay would endanger life (Gross). **Potassa cum Calce** introduced into fistula, to convert them into large openings, permitting the removal of diseased bone (Kirkpatrick). [Compare BONE DISEASES, CARIES, SCROFULOSIS, SYPHILIS.]

Nervous Affections.

Nux Vomica, in one-drop doses of the tincture every 5 minutes, is promptly efficient in relieving many affections of reflex neurotic origin, as cough, dyspnea, syncope, palpitation, flatulent dyspepsia, eructations, especially when occurring in hysterical subjects (Macfarlan). **Arsenic**, of especial value in nervous affections resulting from malaria, in which large doses are required; ℥x of Liq. Arsenicalis, increased to ℥xxx thrice daily (Wa). **Asafoetida**, is a remedy of much value in nervous affections connected with uterine derangement, also in dyspeptic hypochondriasis and other nervous affections; may be combined with bitter tonics and mild aperients (Wa). **Potassium Bromide**, takes precedence in epilepsy, epileptiform convulsions, hysterical convulsions and spasms, tetanus; is of great value in chorea, insanity, acute mania, insomnia, delirium tremens, some forms of neuralgia, and the numerous symptoms of vaso-motor disturbance, such as numbness, coldness, deadness, pricking sensations, indefinable but distressing sensations in abdomen, hypogastrium or epigastrium; feelings similar to rigors, with anxiety, palpitation or fluttering of the heart—all due to interference with the local circulation (Reynolds). **Valerian** and **Valerates**, are thought to exercise some special influence over nervous affections, especially Zinc Valerate, in half-grain to grain doses in pill, or the Ammoniated Tincture of Valerian, from which every good that can be expected from the valerates will be more certainly obtained (W). **Sumbul**, acts as a nervous stimulant, and is especially efficacious in neurotic migraine, also in hysteria and the obscure paralytic affections associated therewith (Wa). **Caffeine**, is of signal value in neuralgia, hemicrania and other nervous affections (Shafter); grain-doses in solution hypodermically afford great relief in dorso-intercostal neuralgia attending shingles, and insomnia (Anstie). **Cocaine** is a powerful nerve stimulant, destroying the sense of fatigue, and often evincing marked analgesic power in neuralgia; is effective in melancholia and hypochondriasis, also locally in nerve pain over a limited area; it acts as an excitant upon the central nervous system (R). **Opium**, is a remedy of marked value in insanity, melancholia, mania, and all nervous affections accompanied by pain (W); gives general repose to both body and mind, is of decided value in diabetes, and produces marked improvement in melancholia and despondency (R). **Lupulin**, is peculiarly useful in nervous affections when Opium cannot be tolerated, especially in chronic hysteria attended with morbid vigilance, 10-grain doses every 6 hours afford great relief, without causing any unpleasant symptoms (Eberle). **Santonin**, in convulsions, epileptiform seizures, and affections regarded as choreic, the

result of reflex irritation from worms (Wa). **Phosphorus**, of occasional utility in affections of the nervous system induced by mental exertion or over-excitement; the danger from its use is its liability to produce fatty degeneration of the internal organs (Wa). **Sodium Phosphate**, hypodermically, employed with great benefit in a case of syringo-myelitis, also in one of unilateral astasia-abasia: is considered by Luton to be possessed of reconstructive power equal to that of the animal extracts. **Orchitic Extract**, has been used with benefit in several affections of the nervous system. **Physostigma**, given for six months or longer, in small doses, gr. $\frac{1}{10}$ of the extract every 3 hours, is useful in many nervous affections, as locomotor ataxia, writer's cramp, and paraplegia due to myelitis (Murrell). **Silver Phosphate**, is of special value in sclerosis of the nervous substance and in myelitis (Wa). **Shower Baths**, cold, are often beneficial in nervous affections unconnected with disease of the brain. [Compare DIABETES, HEADACHE NERVOUS, HEMICRANIA, HEMIPLEGIA, HYSTERIA, INSOMNIA, LOCOMOTOR ATAXIA, MANIA, MELANCHOLIA, MYELITIS, NERVOUSNESS, NEURALGIA, NEURASTHENIA, NEURITIS, PARALYSIS, PARALYSIS AGITANS, SPINAL PARALYSIS.]

Nervousness.

Opium, calms the nervous system and gives general repose to both body and mind (R); small doses, identity of drug to be carefully concealed lest the opium-habit be formed. **Antipyrine**, is efficient for nervous irritation. **Ignatia**, in small doses better than Morphine for mental excitement and nervous erethism (P); for the nervous exaltation of cinchonism (Pf). **Strychnine**, affords relief in functional irritability of the nervous system, manifested by restlessness and wandering neuralgic pains (B); especially useful as a tonic in nervousness from over-use of tobacco (H). **Potassium Bromide**, especially for women who are despondent, irritable, and sleepless, from overwork, grief, and worry; often connected with migraine (R); gr. ss-j of any Bromide every $\frac{1}{4}$ hour, is very efficient for the nervous disturbances of children (Smith). **Bromipin** gives good results in nervous insomnia and various other conditions due to nervous excitement (Frieser). **Valerian** is extremely useful as a sedative to reflex excitability, calms nervousness, does much good in fevers where restlessness, fidgets, anxiety (P). **Aconite**, gtt. j of tinct. at bedtime, repeated if needful, for restlessness and "fidgets" of men as well as women (R). **Caffeine**, for restlessness due to great lowering of nervous power (P). **Chamomile**, lowers reflex excitability (P); minim doses of the tincture every 15 minutes an excellent sedative for children (Smith). **Resorcinol**, produces quiet sleep in general nervous excitability. **Conium**, where a great deal of motor agitation, especially in the typhoid-like condition with insomnia, exaggerated nervousness and delirium, often resulting from mental overwork, acts charmingly in securing sleep, by removing the motor agitation; \mathfrak{xx} of a fluidextract of the unripe fruit, every $\frac{1}{2}$ hour, carefully watched (Madigan). **Musk**, serviceable in nervous affections when due to uterine derangement (Wa). **Sumbul**, often invaluable in restlessness of pregnancy; \mathfrak{xxx} -xl of tinct. with a little Chloric Ether as a draught (P). **Camphor**, a powerful subduer of reflex excitability (P). **Chloral**, where restlessness, debility (R). **Chloroform**, the Spirit internally (R). **Hop**, the hop-pillow is deserving of trial. **Lupulin** is peculiarly useful when Opium cannot be tolerated (Wa). **Water**, warm sponging to induce sleep and calm restlessness in convalescence; also, cold sponging (R). [Compare INSOMNIA, IRRITABILITY.]

R. Strychninæ Sulphatis,..... gr. j.	R. Potassii Bromidi,..... ʒj.
Quininæ Sulphatis,..... ʒj.	Fluidextr. Guaranæ,..... ʒjss.
Tinct. Ferri Chloridi,..... ʒv.	Syr. Tolutani,..... ʒiij.
Ac. Phosphor. Dil.,.....	Aquæ,..... q. s. ad ʒvj.
Syrupi Limonis,..... āā ʒij.	M. Sig.—Teasp. to a dessertsp. three or
M. Sig.—A teasp. in water thrice daily.	four times daily. To relieve nervousness.

Neuralgia.

Antipyrine, is prescribed in all forms of neuralgia (M); is highly efficient in neuralgia of the 5th nerve associated with neuritis (B). **Acetanilide**, is used with success in facial and intercostal neuralgias (M); is highly useful against pain due to inflammation

of nerves (B). **Acetphenetidin**, is especially useful in the fugacious and variable neuralgias so common in the hysterical and neurotoxic (M): of the three drugs named Acetphenetidin is the safest and most efficient in doses of 8-10 grains. **Salipyrin** has been employed with excellent results; a dose of gr. viij being often sufficient. **Phenocoll**, is used successfully, especially for the neuralgic pains of epidemic influenza (grippe). **Salol**, is very efficient in some forms. **Salicylates**, in large doses, cured a case of tic douloureux of 12 years' standing (Dercum). **Saloquinine** in supraorbital and trigeminal forms, gr. xxx given 4 hours before the time of expected attack to prevent recurrence (Tauszk). **Aspirin** is an excellent remedy (Görges). **Opium**, internally, or **Morphine** hypodermically, in the vicinity of the affected nerve, the best treatment; caution! morphine-habit (B); gr. $\frac{1}{10}$ to $\frac{1}{4}$ often relieves and frequently cures after a few repetitions (P); no remedy promises more speedy and permanent relief than Morphine by subcutaneous injection in sciatica, lumbago, tic douloureux and other neuralgic affections (Wa). **Heroin** is efficient in various neuralgic affections as a palliative analgesic. **Aconite**, when arterial excitement (B); in congestive neuralgias, and acrodynic of extremities; has important rôle (P); as ointment or liniment, especially when fifth nerve affected; also in neuralgic headache (R); a remedy of great value (Wa); a perfect physiological remedy against neuralgia, especially those forms which are based on congestive or subinflammatory affections; but its action is often slow, so that Morphine must be given with it as a palliative. **Aconitine**, with Veratrine as an ointment locally, a good application (Da C); internally the best agent of all in essential neuralgia; should be combined with Quinine in intermittent forms and those which resist quinine alone. **Veratrine** as ointment in facial neuralgia and sciatica (R); is frequently of much benefit (P). **Atropine** hypodermically in the vicinity of the nerve (B); of especial utility in tic and sciatica, also in peri-uterine and dysmenorrhœal forms (B); in spinal and intercostal, also as liniment or ointment in facial neuralgia (R). **Belladonna** gr. ij of the extract every hour until giddy, then a less dose continued for several days (Tr). **Quinine**, large doses, gr. v-xx in sherry, just before the attack in periodical neuralgia, whether malarial or not; useful also, in small, frequently repeated doses, in other types, especially of supra-orbital nerve (P); has selective action upon supra-orbital form (Spender). **Arsenic**, cures by its influence on bodily nutrition; directly so in neuralgia of malarial origin, though inferior to Quinine (B); in various neuralgias, also in angina pectoris (R); the Bromide of Gold and Arsenic rendered good service in an obstinate case of trifacial neuralgia diagnosed as due to syphilis, after other treatment besides antisyphilitic had failed (E. A. Wood).

Nux Vomica, is most useful in visceral neuralgiæ, as gastralgia, hepatalgia, etc., the tincture with carminatives in the former affection; or Strychnine, gr. $\frac{1}{100}$ to $\frac{1}{32}$ twice or thrice daily: in all forms of neuralgia this remedy should be used in small doses (P). **Ignatia**, in hysterical and intercostal neuralgia with nervous erethism, is valuable (P). **Phosphorus**, gr. $\frac{1}{12}$ every few hours, has made very effective cures (B); gr. $\frac{1}{100}$ to $\frac{1}{12}$ every 3 hours; very useful in all forms, especially when uncomplicated (R); always a good remedy, except for cases due to cold or inflammation, and those not depending on depraved nutrition (H). **Ammoniated Copper**, in neuralgia of the 5th, used with remarkable success; $\frac{1}{2}$ -grain doses pushed (Féreol). **Physostigmine**, very efficient in neuralgia of the eyeball, a solution of gr. ij to the ʒ by instillation. **Cannabis Indica**, $\frac{1}{4}$ - $\frac{1}{2}$ gr. doses of extract 2 or 3 times a day; especially for neuralgic headache (P); found useful (R). **Cod-liver Oil**, when low nutrition, faulty assimilation (W). **Iron**, when from anemia; tincture of the Chloride \mathfrak{xxx} -xl ter die, also chalybeate waters (B); only moderate doses required (R); in chlorotic subjects, of whom nearly all will have neuralgia (Tr). **Iodides**, for neuralgia of fifth, dependent on syphiloma of the nervous system, pain, nocturnal chiefly (B). **Bromides**, benefit some kinds, especially ovarian (B); Potassium Bromide occasionally relieves (R). **Bromipin** is often effective and has decided advantages over the ordinary bromides (Losio). **Ammonium Chloride**, half-drachm doses in facial and other neuralgiæ, is much used (R); a very efficient and diffusible stimulant, gr. xx-ʒj at first, repeated every hour during the attack (H). **Chloroform**, as anesthetic to relieve pain, is occasionally useful locally, also as spray for uterine neuralgia (R); \mathfrak{v} - \mathfrak{xv} of pure Chloroform by deep injection into vicinity of affected nerve, a very efficient method of dealing with

long-standing cases (B); used in one case it caused symptoms so severe as to imperil the life of the patient (W). **Croton-chloral** is very effective in trigeminal neuralgia (Liebreich); has failed to sustain itself and is but little used (W). **Chloral-camphor** painted over the painful surface (R); has been commended (W). **Caffeine** hypodermically is analgesic (Mays); has been found useful in cervico-brachial neuralgia (P). **Cocaine**, as a hypodermic injection, a 4 or 5 per cent. solution is very effective if administered in the vicinity of the aching nerve (R); also by instillation in neuralgia of the eyeball, and whenever it can be applied to the mucous surface in the vicinity of the pain. **Guaiaicol**, a few drops rubbed in gently, gives immediate relief in ciliary neuralgia (Brodnax). **Phenol**, pure by subcutaneous injection, used in 600 cases, many obstinate ones were effectually controlled and cured (Bacelli). **Ichthyol** hypodermically is analgesic and valuable in neuralgic pains due to inflammatory exudations (Damiens); externally and internally in intercostal form (Schmitz); most successful in chronic neuralgia of bones, muscles and joints accompanied by difficulty in moving (Nussbaum). **Amyl Nitrite**, inhaled in dysmenorrheal neuralgia (B); and when of 5th nerve (R). **Nitro-glycerin**, has often afforded great relief (Wa).

Sumbul, for certain types, of more value than any other remedy; facial, sciatic, or ovarian neuralgias, in women of nervous constitution, often yield to it at once (P). **Cimicifuga**, in neuralgia of the 5th from cold, and in ovarian (B). **Gelsemium**, successful in neuralgia of 5th (B); especially dental branches (R); of value in trigeminal, ovarian (W); in suitable cases small doses answer as well if not better than large ones (Pf); ʒiij of the tincture every $\frac{1}{2}$ hour often succeed miraculously with no ill results in neuralgia about the head and face (Smith); no better remedy in tic douloureux, but must be given in large doses, ʒxx-xv of a strong tincture or fluid extract (H). **Zinc Valerate**, extremely beneficial in neuralgia from reflex irritation of female pelvic organs (B). **Valerian**, serviceable in facial neuralgia of hysterical type (P). **Bibiru Bark**, in intermittent forms (P). **Pyrethrum**, the root is chewed with benefit in facial neuralgia (P). **Capsicum**, a strong infusion on lint covered with gutta-percha (R). **Coccus Cacti**, has been very successful in 20-30 minim doses of a 1 to 8 tincture twice daily, the larger doses in the paroxysms (W). **Peppermint**, the Oil, painted over the part in facial neuralgia (R); especially the Chinese oil, which contains a large excess of **Menthol**, a very useful application in superficial neuralgia (W). **Turpentine**, has cured tic douloureux and sciatica (B); often of wonderful service (P). **Potassium Chlorate**, for facial neuralgia (B). **Alcohol**, containing much volatile ether; care must be taken in prescribing it (R). **Piscidia**, almost specific in many forms, useless in many cases (W). **Tonga**, is efficient in facial neuralgia, ʒxx-xx every two hours (H). **Osmic Acid**, a one per cent. aqueous solution with glycerin to prevent change, of which 5 to 10 drops hypodermically, has made striking cures of inveterate neuralgia, with no ill effects resulting (Shapiro); if employed at all it should be injected directly into the exposed trunk of the affected nerve (Wright). **Formic Acid** gtt. v of a 1 per cent. solution, by deep injection alongside the nerve, preceded by gtt. viij of a 1 per cent. solution of Cocaine, is remarkably efficient (Couch). **Chamomile**, in neuralgia of the 5th nerve (R). **Staphisagria**, internally and externally often curative in obstinate facial and cervical neuralgia (P). **Ergot**, much employed in visceral forms, especially gastralgia (P); is said to be useful (R). **Digitalis**, is strongly recommended in sciatica, also locally in earache (P). **Carbonic Acid Gas**, injected into vagina for neuralgia of uterus. **Aquapuncture**, strangely relieves pain in a superficial nerve, so much so, that some hold the curative effects of morphine injections to be due to the water alone (B). **Counter-irritation**, Mustard poultices in neuralgic pains (P); blisters to a posterior branch of the spinal nerve-trunk from which the painful nerve issues (Anstie). **Wet Pack**, is of great benefit, especially in sciatica. **Intense Cold**, produced by a spray of Methyl Chloride, or concentrated Carbonic Acid gas, directed along the nerve from special apparatus, immediately relieves the pain, and usually cures (Jacoby). **Compressed Air**, by insufflation into the middle ear, in cases of persistent and paroxysmal temporo-occipital neuralgia, due to chronic follicular pharyngitis and inflammation of middle ear; if these insufflations result in diminution of the pain, treatment should be directed to the naso-pharynx and Eustachian tubes (Masucci). **Galvanism** of the affected nerve, one of the most important curative

measures; a continuous current of 4 to 8 cells down the nerve generally answers best, though some cases are helped more by a rapidly interrupted faradic current: Electricity is of no value in cases dependent upon organic lesions, and in any individual case is purely experimental (W). **Diet**, animal fats necessary, as cod-liver oil, butter, cream, in as large quantity as can be digested. **Rest** often needed, with protection from cold and damp, also flannel clothing, bathing and shampooing. [Compare GASTRALGIA, HEMICRANIA, HEPATALGIA, OTALGIA, OVARALGIA, SCIATICA, TIC DOULOUREUX.]

For Internal Use.

- ℞. Tinct. Aconiti,
Tinct. Colchici Sem.,
Tinct. Cimicifugæ,
Tinct. Belladonnæ Fol.,...ãã part. æq.
M. Sig.—6 drops every hour until relieved. (Metcalf.)
- ℞. Cupri Ammonio-sulphat.,... gr. j-iv
Syr. Aurantii Flor.,..... ʒj.
Aqueæ Destil.,..... ʒiij.
M. Sig.—One-third as a dose, thrice daily. (Prof. Féréol.)
- ℞. Aconitinæ Crystal.,..... gr. ʒv̄.
Quininæ Hydrobrom.,..... gr. xx.
M. ft. massa, et div. in pil. no. xij.
Sig.—One every 4 or 5 hours. (Potter.)

For Local Use.

- ℞. Aconitinæ (Duquesnel), ... gr. v.
Veratrinæ,..... gr. xv.
Glycerini,..... ʒij.
Cerati,..... ʒvj.
M. Sig.—To be rubbed over the part carefully avoiding any abraded surface. (Da Costa.)
- ℞. Mentholis,..... gr. xlv.
Cocainæ Hydrochlor.,..... gr. xv.
Chlorali Hydrati,..... gr. x.
Petrolati,..... ʒv.
M. ft. ung. Sig.—For local use. (Potter.)
- ℞. Veratrinæ,..... gr. xl.
Adipis, vel Unguenti,..... ʒj.
M. Sig.—Local use. (Da Costa.)

Neurasthenia.

Ammonia, the Aromatic Spirit has proved very serviceable; ʒss-j in water thrice daily (Wa). **Hypophosphites** of Lime or Sodium, or Iron, are actively tonic in cases of nervous depression and torpor, with occasional shooting pains (Wa); the Syrup of the Hypophosphites with Strychnine is of service as a general tonic, in connection with other remedies. **Arsenic**, is often very serviceable; Fowler's or Pearson's solution, in doses of ʒiij-v , in water, after each meal. **Aurum**, the Bromide of Gold and Arsenic (Barclay), gave excellent results in 3 out of 4 cases of marked neurasthenia, in doses of ʒv of the solution 4 times daily (Love). **Strychnine Acetate**, a remedy of great promise, when combined with a rigid system of diet and mental discipline (Marshall Hall). **Zinc Oxide**, often excellent as a tonic and sedative, in nervous irritability and depression from anxiety or over-study (Wa). **Phosphorus**, of occasional utility in nervous breakdown from over-study (Wa). **Caffeine**, gr. j or more in a cup of coffee, to relieve brain weariness and nervous exhaustion (Wa). **Cocaine**, in $\frac{1}{2}$ -grain doses proves serviceable in nervous exhaustion (R): danger of cocaine-habit, if identity known to the patient. **Coca**, as a stimulant has been used with benefit, but only for a short time, and acts deleteriously unless given in small doses (W). **Kolanut** is used in France, contains Caffeine, is subject to the same remarks as Coca, above. **Ichthyol** in doses of gr. v-x, when vaso-motor instability is a prominent symptom (Rankin). **Musk** is a valuable remedy, it stimulates the nervous centres when exhausted, without producing any very pronounced symptoms (W). **Orchitic Extract**, has been used with benefit. **Nuclein**, is useful in many cases (Vaughn). **Cerebrin**, has been used with advantage (Paul). **Artificial Serum**, in cases of lowered arterial tension (lessening of first sound, tachycardia embryocardia), an injection hypodermically of ʒxxv of the solution formulated below, 2 to 4 times a day. **Electricity** is often of signal service, chiefly for its suggestive influence on the patient's mind (Rankin). **Diet** should be chosen from the most readily assimilable food, calling for a minimum amount of digestive work. As a rule, neurasthenics eat too much and drink too little; plenty of water, at least a liter and a half per day, is the best drink; it maintains the arterial tension, irrigates the tissues and assists the excretion of debris. Milk should be pro-