

1-1903

The Pulse, Volume 06, No. 5, 1903

University of Nebraska College of Medicine

Follow this and additional works at: https://digitalcommons.unmc.edu/com_pulse



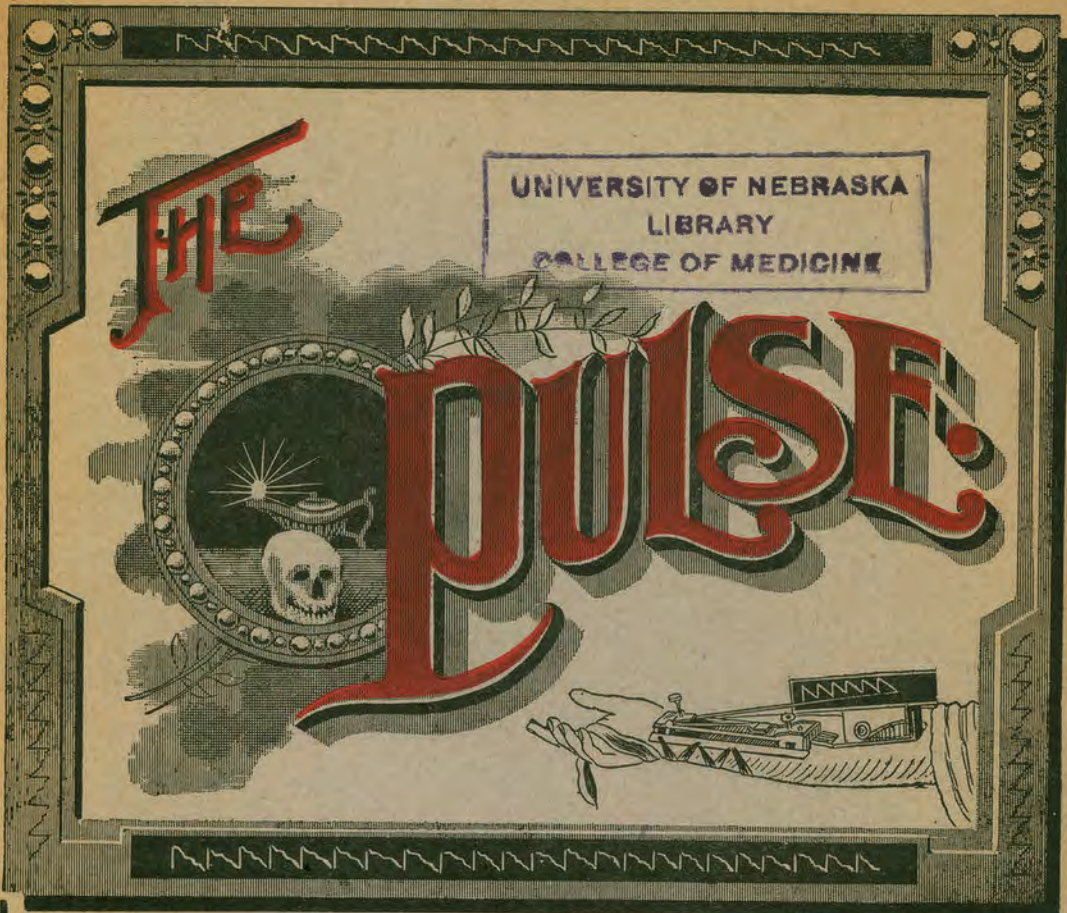
Part of the [History Commons](#), and the [Medical Education Commons](#)

Recommended Citation

University of Nebraska College of Medicine, "The Pulse, Volume 06, No. 5, 1903" (1903). *The Pulse*. 5.
https://digitalcommons.unmc.edu/com_pulse/5

This Book is brought to you for free and open access by the University of Nebraska Medical Center: Publications at DigitalCommons@UNMC. It has been accepted for inclusion in The Pulse by an authorized administrator of DigitalCommons@UNMC. For more information, please contact digitalcommons@unmc.edu.

closed stacks



Official Journal College of Medicine, University of Nebraska,
OMAHA, NEB.

VOL. VI.

JANUARY, 1903.

NO. 5.

... CONTENTS ...

Alfred O. Peterson, A. M., M. D.....	8
The Diagnosis and Treatment of Chronic Gastritis—ALFRED O. PETERSON, A. M., M. D.....	9
Faculty Department—W. F. MILROY, M. D., EDITOR.....	15
Editorial.....	17
Clinical Notes—CHAS. H. ROOT, '03, EDITOR.....	18
Alumni Department.....	20
Class Notes.....	21

Who's your Tailor?

If you don't know **DRESHER** you ought to.



He Makes
Clothes...

1515 FARNAM
ST.

TELEPHONE 1857.

Open Evenings.

Omaha Dental College

Department of the University of Omaha
COR. 12TH AND PACIFIC STS.

Regular Winter Lessons . . . Begin in October and end in May
Spring and Summer Terms . . . Begin in May and end in October
Practitioners' Course . . . Six Weeks' Course, May and June

NEW BUILDINGS and NEW EQUIPMENTS.

For . Catalogue . and . information, . address

A. O. HUNT, Dean.

H. W. SHERRADEN, Sec'y,
412 McCague Bldg., OMAHA.

Please mention the Pulse.

N. A. Long Restaurant'

Opposite Burlington Station.



FIRST-CLASS MEALS served
in first-class manner.

SPECIAL RATES to STUDENTS.

Subscription Blank.

THE PULSE: 1202 Pacific St., Omaha.

W. P. Wherry, Bus. Manager.

Enclosed find One Dollar for a year's subscription to THE

PULSE.

Name

Date..... Address.....

We Need Your Subscription.

IT PAYS

to make it pay you to pay us some, if not all, the money that you PAY for jewelry, optical goods or any kind of repairing and manufacturing in our line. We can DO what we say, TOO.

T. L. COMBS & CO.

The Busy Jewelers,

1520 DOUGLAS STRBET.

We make those new College Pins.
Everybody wants one. Buy from the clerk.

Please mention the Pulse.

RUBBER

All kinds of Rubber Goods at
SHERMAN & McCONNELL DRUG CO.
16th and Dodge, OMAHA.

**Black Silk Suspensory,
75c.**



SUSPENSORIES

Forty styles—from 25c to \$1.00.

Write for catalogue to

Sherman & McConnell Drug Co.

OMAHA, NEB.

Established 1802

**CIGARS, PIPES
CANES.**

CHAS. A. TRACY

1523 Douglas Street.

Face Massage. Antiseptic

**BROWN BLOCK
BARBER SHOP**

16th Street elevator entrance or
through Tracy's cigar store,
1523 Douglas Street.

NEW ORLEANS POLYCLINIC

Sixteenth annual session opens November 3, 1902, and closes May 30, 1903. Physicians will find the Polyclinic an excellent means for posting themselves upon modern progress in all branches of medicine and surgery. The specialties are fully taught, including laboratory work. For further information address,

New Orleans Polyclinic,

Postoffice Box 797, NEW ORLEANS, LA

Merchants' Restaurant  **TELEPHONE
F-2387**

OPEN ALL NIGHT
ACCOMMODATIONS FIRST-CLASS
PRICES MODERATE

\$6.00 in Meals for.....\$4.75
\$3.00 in Meals for.....\$2.50 1519 Dodge Street

C. F. LAURITSON, Manager.

Vaccine Virus Fresh Every Day.

At Manufacturers' Prices for Cash only.

Alexanders. P. D. & Co. Mulfords. Stearns.

Antitoxine 20 per cent. off maker's
list for cash only.

Stearns. P. D. & Co. Mulfords.

15th and Douglas Sts.
OMAHA, NEB. **KUHN & CO.**

The Fry Shoe, \$3.50



Means more than simply a shoe with a name; it means a shoe with **our** name; with **our** reputation for correct style and perfect shape; with **our** guarantee for satisfactory wear back of it; with **us** here to make it good; and with our expert shoe fitters here to see that your feet are properly fitted. It means the greatest all round value in men's shoes that can be purchased for the price—\$3.50. All leathers and all styles.

FRY SHOE CO.

N. E. Corner 16th and Douglas Streets.

Please mention the Pulse.

Men's Goods, Hats and Furnishings

HAWES AND STETSON HATS.

TWO STORES: { Stag Store, 307 South 16th St.
 { Stephens & Smith Store, 109 N. 16th St.

Mail orders filled immediately. See us for the Holidays.

Stephens & Smith.

THE CHICAGO LIMITED

TO CHICAGO AND THE EAST.

CHICAGO, MILWAUKEE & ST. PAUL RAILWAY.

ELECTRIC LIGHTED TRAINS.
TICKET OFFICE, 1504 FARNAM ST., OMAHA.

WILLIAMS Photos ARE THE BEST

Only the highest grades. Cut prices to Medical Students. See us first. We will save you money and give you the finest work that can be made.

TEL. F-2832

WILLIAMS,

(Successors to MATZEN & HUTCHINGS)

1406 Farnam Street,

....OMAHA, NEB.

A Well Groomed Doctor

Makes a Better Impression than the slovenly one.

Better acquire the habit of dressing well by having us take care of your clothes. Our prices are reasonable. Dress Suits for rent.

THE PANTORIUM

407 S. 15TH ST.

TEL. 963



WE WILL SELL

at very low prices parts of toilet sets, tea sets, manicure sets and dozens of odd pieces to close the line. Spend a few minutes in our store. Look for the name

S. W. LINDSAY, The Jeweler,

1518 DOUGLAS STREET, OMAHA.



Please mention the Pulse.



COLLEGE OF MEDICINE

UNIVERSITY OF NEBRASKA.



Corner 12th and Pacific Streets,
OMAHA, NEBRASKA.



Four years graded course comprising all branches of medicine and surgery. Credentials issued to students by other medical schools in good standing permit of admission to advanced work. Graduates of universities and other colleges of equal requirements are credited with one year's work.

Entrance examination required of those not possessing literary credentials indicating a good English education.

Clinical Instruction in the Out-door Dispensary, the Douglas County, Omaha, Clarkson and Immanuel Hospitals.

DEPARTMENT OF INTERNAL MEDICINE: Wellington S. Gibbs, M. D., Willson O. Bridges, M. D., H. M. McClanahan, M. D., William F. Milroy, M. D., H. S. Lyman, M. D., S. R. Towne, M. D.

DEPARTMENT OF SURGERY: August F. Jonas, M. D., B. B. Davis, M. D., Donald Macrae, M. D., A. W. Edmiston, M. D., Paul Ludington, M. D.

DEPARTMENT OF MATERIA MEDICA AND THERAPEUTICS: William H. Christie, M. D., N. J. Rice, M. D., Paul H. Koerber, M. D.

DEPARTMENT OF OBSTETRICS: A. B. Somers, M. D., W. H. Hostetter, M. D., and B. F. Park, M. D.

DEPARTMENT OF ANATOMY: Donald Macrae, Jr., M. D., Wm. H. Ramsey, M. D., Paul Ludington, M. D., Jas. Tische, M. D.

DEPARTMENT OF PHYSIOLOGY: Vernon L. Treyner, M. D.

DEPARTMENT OF CHEMISTRY: A. C. Stokes, M. S., M. D.

DEPARTMENT OF MEDICAL JURISPRUDENCE: Francis A. Brogan.

DEPARTMENT OF GYNECOLOGY: Ewing Brown, M. D.

DEPARTMENT OF DISEASES OF THE EYE AND EAR: Harold Gifford, M. D., G. H. Bicknell, M. D.

DEPARTMENT OF LARYNGOLOGY AND RHINOLOGY: F. S. Owen, M. D.

DEPARTMENT OF DERMATOLOGY: O. S. Hoffman, M. D.

DEPARTMENT OF NERVOUS AND MENTAL DISEASES: Hamilton B. Lowry, M. D., Richard C. Moore, M. D., S. M. Aikin, M. D.

DEPARTMENT OF PATHOLOGY, HISTOLOGY AND BACTERIOLOGY: H. H. Waite, M. D.

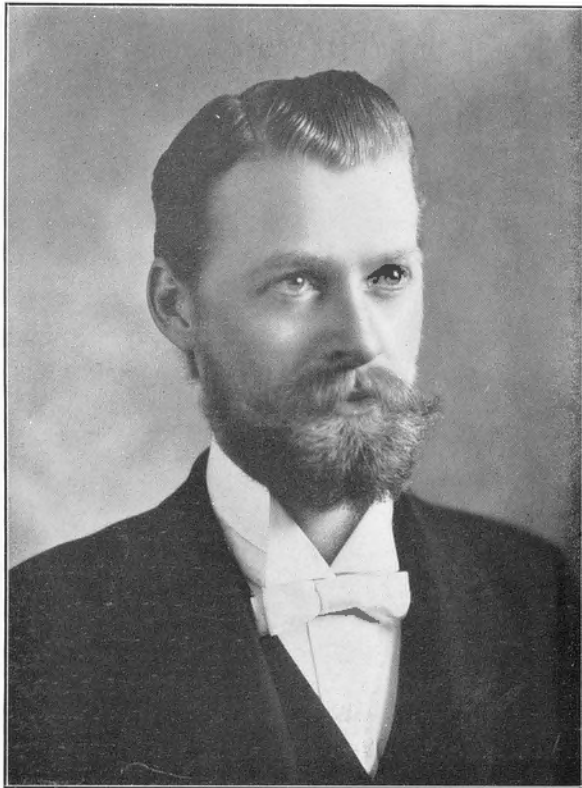
DEPARTMENT OF BIOLOGY AND EMBRYOLOGY: Alf. O. Peterson, M. D.

For particulars and further information apply to

EWING BROWN, M. D., Secretary,

1026 Park Avenue, Omaha.





ALFRED O. PETERSON, M. A., M. D.
Professor of Biology and Embryology, Omaha Department,
College of Medicine, University of Nebraska.

THE PULSE.

VOLUME VI

JANUARY, 1903

NUMBER 5

THE DIAGNOSIS AND TREATMENT OF CHRONIC GASTRITIS.*

ALFRED O. PETERSON, A. M., M. D.

Chronic gastritis is probably one of the most frequent diseases with which the practitioner has to contend. It is a universal ailment occurring among all classes of people and particularly among the ignorant poor, whose coarse, improperly prepared food acts often as a gastric irritant. Indiscretions in eating and drinking play an important role in the causation of the trouble and chronic gastritis may be said to be "one of the best nourished and most prevalent diseases in the world."

The difficulty of arriving at accurate data, and the necessity of prolonged treatment to effect permanent relief has induced routine, presumptive diagnosis, and insufficient treatment.

In this chronic inflammatory process the secretory, motor, and absorptive functions of the stomach all are involved. The resulting picture, moreover, is manifold, as one may observe in various cases, first one then another function most seriously damaged. Frequently the insufficient work of the stomach is compensated for by the increased action of other organs. Thus, in prolonged anacidity with unimpaired motility, the timely evacuation of chyme favors intestinal digestion. In these cases there may be absolutely no untoward digestive symptoms whatsoever.

The anatomical changes resulting from chronic gastritis are as varied as the clinical picture. In the early stages of the disease these changes are not so marked and the gastric mucosa, especially in the pyloric region, is in a condition of diffuse hyperaemia. When the disease has existed sufficiently long, however, two general anatomical types are distinguished: 1. Inflamma-

*Read before the last meeting of the Nebraska Medical Society.

tory hypertrophy. 2. Inflammatory atrophy. Of these a short description will be found desirable.

Inflammatory hypertrophy: In this form there is an inflammatory infiltration of the inter and sub-glandular connective tissue. This process, extending to the connective tissue ridges existing between the vestibular entrances of the gland ducts, gives rise to the formation of elevations. Finally complete destruction or cystic degeneration of the mucosa results. Not only may the mucosa but also the sub-mucosa and the muscular layers of the stomach be attacked in this inflammatory hyperplasia. When, in the hyperplastic sub-mucous tissue, this chronic process undergoes cicatritrial contraction it may lead to either partial localized change of form, as seen in pyloric stenosis, or a more or less uniform contraction leading to cirrhosis ventriculi.

Inflammatory atrophy: The progressive plastic character of the hypertropic form may lead to retrograde metamorphosis before it has progressed very far. Sometimes inflammations of the mucosa are degenerate from their incipency and no hyperplasia whatsoever enters into the anatomical picture. By mucoid and fatty degeneration the mucosa becomes transformed into a slate gray atrophic membrane. Hypertropic or atrophic changes may occur in the sub-mucosa and the muscularis independent of changes occurring in the mucosa.

The pathological conditions present in gastritis being so manifold, the difficulty of accurate diagnosis becomes evident.

The patient with chronic stomach trouble must be considered as a whole. The facial expression, the condition of the skin and teeth, the general nutrition, all are factors assisting in the diagnosis. The social position, age, habits, etc., must be inquired into.

It is customary largely to base the diagnosis on the symptoms of which coated tongue, anorexia, gastric distress, distension and belching, nausea and vomiting, vertigo, palpitation, constipation, insomnia, headache, loss of energy, diminution of weight, etc., all are frequently met with. However, many of these symptoms are associated with other forms of trouble, or

may be absent altogether, and interrogation, together with physical search often are of no avail. Ewald says, "Just as readily as the diagnosis chronic gastritis is made, just so little is an off-hand opinion justified in many cases, for neither the duration, nor the etiology, nor the kind of dyspeptic manifestations will suffice to make the diagnosis at once, but, in addition, there must be a careful examination with the aid of all our diagnostic resources."

Among the more recent aids to the diagnosis of gastric troubles, nothing is of more assistance than the accurate estimation of the functional signs. Based on this form of investigation chronic gastritis is divisible into four classes, viz.: 1. *Acida*. 2. *Anacida*. 3. *Mucosa*. 4. *Atrophicans*.

In the form called *acida* there is present a normal or increased amount of HCl and also much mucous. Ewald says that acid gastritis is not a gastritis at all but a hyperacidity, the result of secondary irritation of the mucosa. Ewald is correct up to a certain point. However, should the irritation continue for a sufficient length of time actual gastritis certainly does result.

Two patients have come under my observation who presented a condition of hyperacidity with defective elimination by the skin, kidneys and bowels. Treatment soon relieved the condition and the patients disappeared before complete restoration had been effected. Within a year these patients returned with undoubted gastritis, much mucous and an increased amount of HCl being present. These certainly were cases of irritative hyperacidity. The irritation existing a sufficient length of time, however, gastritis, as a logical sequence, was added to the clinical picture.

Of this class the following case will serve as an illustration. Mrs. N., married, age 35, no children. I first saw the patient in September, 1901, when she presented the following history. At 15 years of age had typhoid fever, the recovery from which was uneventful. At 25 first noticed trouble with the stomach when she began to suffer from water brash and a pain in the epigastric

region. This pain came on usually from one-half to one hour after eating and would continue nearly up to the time of the next meal. Eating would give temporary relief. Pressure on the abdomen would stop the pain a trifle. Eight years ago she had some form of pelvic inflammation and was confined to bed, during which time she was largely on a fluid diet. For two years subsequent to this there was no marked gastric disturbance when the old trouble seemed to return with renewed violence.

Status praesens: Patient fairly well nourished. All chest and abdominal organs in normal condition. The chief symptom complained of is pain and burning in the epigastrium, which comes on one-half to one hour after eating and continues for an hour or more, but is usually gone before the time of the next meal. Eating food relieves pain for a time. The appetite is good and frequently excessive. The bowels are constipated, although a daily evacuation occurs. The urine is heavily loaded with urates and shows a very marked indican reaction. Blood examination was negative. A distressing water brash occurs on arising and at varying intervals after meals. The gastric analysis shows the following: HCl, 24; combined HCl, 30; total acidity, 68. Quantity in the stomach at the end of an hour, 186 c. c. Achroodextrin present. Pepton digestive active. In other words the acid secretion is excessive, starch digestion slower than usual, motor power of the stomach somewhat diminished. The food is finely divided. At all times there is present an immense amount of mucous. Analyses made from time to time showed a constant condition. In February, 1902, the patient was discharged, all symptoms then being entirely controlled by diet alone.

In anacida all ferments and acids are diminished and a small amount of mucous is present.

In the form of gastritis classed as mucosa, at all times much mucous is present. Depending upon the amount of degeneration suffered by the mucosa the stomach contents show an acidity varying from normal to zero. The majority of cases of gastritis come under these two subdivisions.

In gastritis atrophicans both free and combined HCl, the ferments and their pro-enzymes are absent. Food removed from the stomach has the same appearance as when in the mouth. The total acidity varies from 6 to 12. Should a trace of pro-enzyme be present partial restoration of the mucosa is possible. To illustrate this allow me to cite briefly the following case:

Mrs. L.; age 42. The patient first visited me in January, 1901, when she gave the following history. Has never been sick except during pregnancy when she would be troubled with frequent fainting spells and cramps in the abdomen. After the third pregnancy, eight years ago, these spells have recurred frequently and with intensified severity. Occasionally the patient would be unconscious for four or five hours at a time. Constipation, vomiting, and renal insufficiency would usher in the attack. I have seen her in several of the spells and believe them to be ptomaine storms. For, when active elimination is established, the patient recovers.

Three years ago a local surgeon performed an amputation of the cervix, together with ventral suspension of the uterus and also perineorrhaphy, which, however, relieved the condition but a short time. The patient was badly nourished and suffered from anorexia and inability to digest proteids. The physical signs were normal. The test meal showed absence of acids and enzymes and the contents appeared the same as when in the mouth. The motor function was normal. The mucosa was not entirely destroyed, however, for after persisting in treatment several months I could detect a slight quantity of proenzyme. The ptomaine storms diminished in number and have now been absent for seven months. In all cases of gastritis a careful microscopical examination of detached fragments of the mucosa is often advantageous and frequently diagnostic.

It not only requires careful study to distinguish chronic gastritis from other diseases, but also to distinguish the forms just discussed from each other. Primary and secondary forms are usually recognized without difficulty. Ulcer, cancer, and the neuroses must be excluded. And it is often only by such ex-

clusion, and by repeated analyses that the diagnosis of chronic gastritis can be satisfactorily made. Accurate appreciation of the pathological condition present leads to accurate therapeutics.

TREATMENT.

Treatment may be considered to be divided under two general heads, viz.: 1. Prophylaxis. 2. Treatment of the disease.

There are some individuals who naturally have weak stomachs. A diet adapted to the individual is here a necessity. The digestion of patients suffering from anemia, Bright's disease, etc., must be carefully watched to ward off, if possible, a complicating gastritis.

It may be superfluous to mention that, as Americans persist in eating and living fast, a condition arises which of necessity demands a careful scientific training of cooks. The Domestic Science Departments of the Universities and some private institutions certainly are of assistance in arresting the tendency of the American people from becoming a race of dyspeptics. The kitchen should be considered a chemical laboratory and the chemical changes induced in food by cooking should be as carefully superintended as the reactions occurring in the laboratory of the chemist. Every physician, moreover, should have an accurate scientific knowledge of dietetics for there is scarce a disease where such knowledge would not be advantageous.

Chronic gastritis being present, we have several means of combatting the disease, viz., by diet, by medicines and general hygiene; by lavage, and by electricity.

The pathological changes being so manifold each case must be considered separate and distinct, and treatment must be based in accordance with the anatomical conditions present.

As patients with chronic gastritis are poorly nourished a nutritious diet is one of the chief means of combating the disease. Frequently there is loss of food by putrefaction and fermentation. The ptomaines formed by this process have of themselves a depressing effect on the digestive progress.

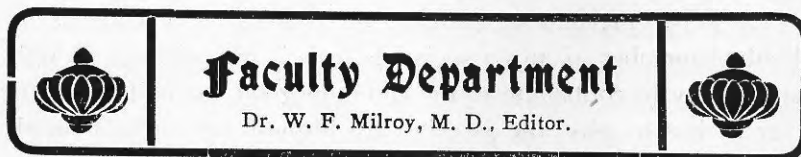
Among the exclusive diets may be mentioned the milk treatment, the meat and hot water treatment, and the vegetarian

diet. Ewald, and most German authorities allow a liberal diet of milk, meat, eggs, and many carbohydrates. Sometimes two meals a day are preferable, sometimes five. The individual requirements should be ascertained. Where the digestive power is low it should be educated up to the demands of the organism.

Among the medicines AgNO_3 as a spray or douche is often excellent. The oxide of silver, arsenic, and bismuth have a place. The bitter tonics, HCl , and the various ferments are useful. Fothergil says: "Ferments are crutches which may be used with success temporarily, but the best thing to do is to find out how the patient may digest without them."

General hygienic considerations as baths, massage, fresh air, exercise, etc., are essential. Lavage is especially useful where much mucous or putrifying food is present in the stomach. The intragastric use of electricity often gives excellent results.

The object of all treatment in chronic gastritis is to restore the digestive power of the stomach sufficiently to meet the demands of general cell metabolism. This restoration may be partial or complete. If this fail, then, by temporarily assisting the organism, other organs may somehow learn vicariously to perform the work formerly done by the stomach.



The writer embraces the present opportunity to refer to the pleasure and gratification he experienced in a recent visit to the Lincoln branch of our college, and to thank his entertainers for the kindness of which he was the recipient. Certainly no one can come into touch with our people there and not be impressed with their enthusiasm for our young enterprise and the work in which they are now engaged. This is true in respect both to faculty and students. As illustrating the zeal of the latter, I mention the medical society, composed of undergraduate stu-

dents, which meets once in two weeks with an occasional "open meeting," at which some one from without is asked to speak. This enterprise involves a little extra work, but it is proving very profitable to the students.

It has happened within the memory of man, that medical societies have existed for brief periods among the students of the Omaha college. If the scheme is feasible and advantageous among the students of the freshman and sophomore classes it must surely be many times more so among those occupied with the practical work of the advanced classes. Why can not the class of '03 take the initiative, establish a society that shall be attractive to every under-graduate member of the institution and, as the first class of the College of Medicine of the University of Nebraska, leave behind it a well-organized medical society. Don't attempt too much; a simple organization, involving little or no expense, and occupied with the current work of the classes will be the thing. Participation in the proceedings of this society will go far toward preparing a man to assume a creditable position in the Society of the Alumni, in which, of course, each new alumnus will seek membership.

The meeting of the Lincoln Society, above referred to, of January 15th inst., was opened by selections, beautifully rendered, by the Male Quartette of the Lincoln "Medics." When each individual member of any association feels it his privilege as well as his duty to contribute to the common good the best of whatever he has to give, the association's highest success is assured. This contribution to the pleasure of their colleagues, by four members of the college at Lincoln is probably counted by them as no great thing; but it is a great thing, because it is another evidence of that enthusiasm which exists among them and renders the success of our college, upon the highest lines, assured. Every individual interested in this success owes a debt of appreciation and thanks to these four gentlemen.

THE PULSE.

VOLUME 6

NUMBER 5

STAFF

FRANK E. OSBORN, '03.....EDITOR
W. P. WHERRY, '03.....BUSINESS MANAGER
JAMES MCD. PATTON, '04...ASSISTANT BUSINESS MANAGER

DEPARTMENT EDITORS:

Faculty Department.....(McCague Block) W. F. MILROY, M. D.
Alumni Department.....(Karbach Block) GEO. H. BICKNELL, M. D.
Clinical Editor.....CHAS. H. ROOT, '03

CLASS EDITORS:

OLIVER CHAMBERS, '03
ISADOR S. TROSTLER, '04
E. D. STANLEY, '06 Lincoln Correspondent,
BURTON A. ADAMS, '05
BYRON B. BLOTZ, '06

FRANK E. OSBORN AND W. P. WHERRY.....PUBLISHERS

SUBSCRIPTIONS.—\$1.00 per Annum in advance. Single copies, 15c
Published monthly during the regular College session.

ARTICLES on subjects coming within the scope of the different departments
of this Journal are solicited from all our readers. Write on one side of the paper
only; say what you mean to say and be brief and plain.

Send all remittances as to subscriptions and advertising to THE PULSE,
1202 Pacific Street, Omaha, Neb.

Entered at Omaha Postoffice as Second Class Matter.

WE ARE PLEASED to present to our readers this month an
able article on "The Diagnosis and Treatment of Chronic Gas-
tritis, by one of the faculty, Dr. Alfred O. Peterson, who is mak-
ing diseases of the alimentary tract a specialty.

* * *

WITHIN THE LAST two or three weeks there has come to
our notice a neat little volume on "Pharmaco-Therapy," by Dr.
Paul H. Koerber. Those acquainted with the author as an in-
structor know of his ability along therapeutical lines, and the
subject matter is certainly fine. The work is dedicated to Dr.
W. H. Christie, professor of the department of Materia Medica
and Therapeutics.

* * *

WE NOTICE a recent number of Science contains an exten-
sive critical review of the character and results of the Washing-

ton meeting of the American Association for the Advancement of Science. The article was written by Dean Ward.

* * *

AGAIN THE subscription list has gone the rounds. This time we trust the football season has ended.

* * *

THE STUDENTS of the two upper classes appreciate the increasing efforts of our faculty to make the clinics large, varied and practical. The division into small sections and assignment of cases is of inestimable value to the student and patient as well.

* * *

WE HAVE noticed of late that several medical journals have been trying to get a hold upon our students. This is not meant as a "knock," but as a simple reminder of the fact that a student's reading should be chosen with greatest care. One or two of these journals have been of the best class, but time spent on unreliable, random shots of an unknown author in a one-horse medical journal is worse than wasted. Choose your reading from the well known periodicals, whose contributors are the best men in the country in their line.



An unusually interesting case was recently seen at Dr. Milroy's clinic at the County Hospital. The case was that of a man 38 years of age who was admitted January 1st. At the time of admission he was suffering from a general anasarca which he said had been present for about two weeks. Upon examination his arteries were found to be arteriosclerotic, the apex beat was displaced downward and to the left, while the area of cardiac dullness extended about an inch to the left of the left mammary line. On auscultation over the aortic area the second sound was found to be accentuated and upon listening over the mitral area

a distinct murmur was heard immediately following the second sound. Diagnosis: Aortic regurgitation which was transmitted in the direction of the regurgitated blood but which was not heard at the seat of the lesion. Ten days later the murmur had disappeared and the area of cardiac dullness while still abnormally large had decreased to a considerable degree. This result was probably brought about by the enforced rest and clearing up of the anasarca which allowed compensation to be re-established.

Last month it was our privilege to see a case of pleurisy which went on to an uneventful recovery; this month we were enabled to see a case in which operative procedure was necessary. The case was that of a farmer 28 years old, who was taken ill with pleurisy about July 15th. For some time he received medical treatment but became no better, so that about the middle of September in an out-of-town hospital about a pint of pus was aspirated from the left pleural cavity. For a short time following the aspiration he felt better, but the pain and weakness soon returned so that he could do no work of any kind. December 22nd at the Methodist Hospital, Dr. Jonas resected the 6th and 7th ribs at the angle on the left side and evacuated a quantity of exceedingly offensive pus. A drainage tube was inserted and the wound was irrigated daily, but so great was the contraction of the lung that it was seen that a cavity would always exist. To remedy this defect a Schede operation was done January 7th. This consisted of the formation of a skin flap and the resection of parts of five ribs, thus permitting the flap and the lung to come close together and so obliterate the cavity produced by the collection of pus.

Not all gall-bladder troubles are caused by gall-stones, neither is jaundice a constant symptom. So say the text-books, so also spoke the results of an operation recently seen at the Methodist Hospital. The operation was performed upon a young married woman 28 years old, who gave a history of having had for the past three years recurrent attacks about every eight weeks in which she suffered from pain radiating from

the region of the gall-bladder. About nine months ago she began to notice a tumor in the region of the gall bladder. This disappeared or slipped away on pressure, but returned as soon as the pressure was removed, thus eliminating the possibility of the tumor being a floating kidney. No jaundice had ever been present. Upon making an incision over the gall bladder it was found to be enlarged, hard and tense. By aspiration a quantity of clear fluid was removed, indicating a condition known as hydrochs vesicae felleae. On opening the bladder no stone was found, indicating that the cystic duct was occluded as a result of an inflammation. Drainage with a siphon was established and allowed to remain for five days, when the siphon was removed and drainage maintained, with the result that the discharge has greatly decreased, indicating that the duct is once more becoming patulous.

+	<h2 style="margin: 0;">Alumni Department</h2> <p style="margin: 0;">GEO. H. BICKNELL, M. D., Editor.</p>	+
---	--	---

Clements, '96, is spending the winter in Southern California.

Stevenson, '95, has sold his practice in Emerson and will locate in Sheridan, Wyoming.

Preston has moved from Beemer, Neb., to Palmer, Mich., where he is doing contract work for a mining and lumbering firm.

Griffith, '02, has located in Beemer, Neb., assuming the practice of Preston.

Westerhoff, '99, has just returned from eighteen months' post-graduate work in Europe, having devoted his time principally to surgery and gynecology.

Beal, '94 is in Vienna, where he will remain two years doing work in general diagnosis.

Mercer is spending two years abroad, limiting himself to genito-urinary and skin diseases and incidentally endeavoring to acquire a knowledge of the German language.

Cooper, '02, is in the city for a few weeks' recreation, after which he will return to the Wyoming General Hospital at Rock Springs for a year's work.

time as a teacher. He was Professor of Anatomy at Harvard for thirty-five years. He became closely identified with the advance of medical education in America. He believed in systematic study, where one could sift out the essentials and forget the impracticable, but be better off for having known it once. He did not approve of women entering the medical profession. He always talked against the excessive use of drugs. He believed that doctors became more compassionate instead of hardened to suffering in later years."

Dr. Milroy closed by wishing all present success in their studies and profession. The meeting was adjourned and all were presented to the speaker of the evening.

No one can now complain that a true medical atmosphere is lacking about the campus. The medical students have engaged in their first fight. The two divisions in anatomy discovered a bone of contention and went at each other for blood. Foster got the "Dutch rub" and Harden lost his Junior hat, but everything is now quiet on the Potomac.

Dr. Lillie is to have the Embryology class next semester, and Professor Willard, the class in Comparative Anatomy.

All will welcome the fact that Dr. Waite is to have charge of the Bacteriology next semester.

The class in Invertebrate Morphology finish the semester's work with a study of the medicinal leech. All are glad to finish, for they have found this one of the hardest courses yet encountered.

There is a general tendency on the part of instructors to have plenty of quizzes and to have them on Friday. This makes it rather hard on the loyal ones who attend the Medical Society meetings on Thursday evening. There should be a change.

Provision has been made for those who wish to enter the medical department next semester. It is hoped that this will add a goodly number to the disciples of Aesculapius in the University.

The new pins of the College of Medicine have appeared on the campus. Some Freshman thought that C. M. stood for Conservatory of Music and that the skull and cross-bones was a bass viol with two bows.

SENIOR NOTES.

OLIVER CHAMBERS, '03, Editor.

The difference between acne and comedo is a dollar's worth according to Gage's pocket book.

Some of the members of the class are anxious to have a bill introduced in congress, compelling all persons, especially intimate friends, to sign their names to all letters, postal cards and telegrams sent by such persons. During the past week "Our Fuzzy" received a telegram from Minnesota upon which there was a question mark. We demand an explanation also.

Not many days since our ponderous friend who has acquired fame in the line of Oral Surgery, received a postal card from Denver, upon which was a picture of a mule. The unassuming sender penned an uncomplimentary remark and forgot to sign his name.

The class secretary, McClymonds, spent a part of his vacation visiting in Missouri.

Papa Beck, who has been deceiving his friends by shaving off his whiskers, spent his vacation with Aloe-Penfold Co. selling instruments. He reports—"bottom prices to students."

"Mike" Platt returned to his classes last week from the hospital. "Mike" seems to be a better man as the result of an operation.

Another of our Seniors has been added to the hospital list. This time we are sorry to mention that Mr. Jungbluth is in the Immanuel Hospital. The operation is hoped by Dr. Davis to give permanent relief.

Another bad habit has crept into the class. Every time certain popular members of the class attempt to recite the "inferiority" of "sleepy row" crops out and they all in unison "wave their wooden legs."

Koetter, who believes in the old saying, "Laugh and the world laughs with you," kindly submitted and took hold of one corner of the stretcher after maneuvering to get the corner from which the leg had been amputated.

Townsend (in clinic): "Why wouldn't it do to treat chronic skin disease in a woman the same as in a man?"

Dr. G.—Well, I think it would."

Townsend—"Well, I would recommend that this girl shave herself each day."

Have you seen? If not, look inside of Bill's watch.

The book man wishes the boys would stop bowling so they would have money for other things.

"Bless her little heart."—Sentimental Root.

If you don't want to lose, don't play checkers with Mike.

Have you noticed Mrs. Mathews' Christmas present? Ask her about it.

Remember Beaton-McGinn Drug Co., 15th and Farnam, sells cigars.

JUNIOR NOTES.

ISADOR S. TROSTLER, '04, Editor.

Dr. Paul Ludington met with one of the saddest events in the life of man, when his mother passed away, a few weeks ago, after a protracted illness. Mrs. Ludington was very well known and much beloved in Omaha and is mourned by a large circle of friends. The members of the Junior class tender to Dr. Ludington their sincere sympathy and condolence.

Joseph A. Kohout was recently called home on account of the death of his mother on January 8, at Wilbur, Neb. The Juniors tender their sympathy to their classmate in his great bereavement.

We are informed that Mrs. O. H. Reilly is convalescing from her recent illness.

"Dad" Merkel ate so much Christmas dinner at his home that he was sick abed for the succeeding two weeks. We can't blame you, Dad, if it tasted as our's did.

Kerr, Dempster, Nye, Merritt and Bening are suffering from an acute attack of hirsuties facialis premeditatio, and as a result we have *samples* of all colors of beards on exhibition.

Though it is not generally known, we have a prize "Weary Willie" in our midst. MacArthur was recently awarded a prize for impersonating that character at a "Hard Times Social."

"Yungens wir waren gegen das *real thing* dieses mal." Katzenjammer, Jr. "I second the motion"—Auburn Al, Biological Bill and Jejuné Joey in concert.

"Laetus audio," Eby, Nelson and Decker, in unison.

When you feel blue, hunt up Meandering Mike and hear him spin his latest yarn. He always has a good stock on hand and a spigot ready to tap a new lot while you wait. Any kind you want and old ones at half price.

Old Man Perplexity has discovered who she is. He has recently added a new specimen (from California) to his already large collection. He has them from every state in the Union and some from the Hastings Asylum also.

"Bald Eagle" was out rabbit shooting during the holiday vacation. He killed no game, but became so interested in a certain individual, that he was loth to return to the slow hum-drum of college life. I am informed that she is a school teacher out in the wild and wooly West.

Pawky Patton's practice is becoming so extensive lately, that he has to utilize lecture hours for sleeping.

Professor to a trio of Juniors: "Will you three wizards please pay attention for a little while?"

Dr. D. (quizzing)—"What is tubercular tendo-vaginitis?"

Chesteine Chauncey—"It is tuberculosis of the testicle"!

Merritt—"Give me some paraffin.

Dad—"Is that what you *camphor*?"

With all due respect to the Freshman class I must say that as specialists in diseases of the eye one of them has proven himself a flat failure. Recently our classmate, Francis Petr, while suffering from a slight conjunctivitis, instructed his room-mate to drop some zinz-chloride collyria into his lame optic, where-upon Mr. Freshman instilled a couple of drops of *guaiacol* into it and as a result Francis is wearing his eye in a sling.

Students! make yourself known at Beaton-McGinn Drug Co. and they will take pains to please you.

SOPHOMORE NOTES.

BURTON A. ADAMS, O5, EDITOR.

Our class is hard at work again and all are glad that Christmas—the anomalous season when foul (fowl) murder promotes peace and good-will—is over and forgotten.

The few unfortunate or otherwise sophomores who remained in the city during vacation were invited by our esteemed classmate, H. A. Wigton, to his bachelor rooms to spend the evening of December 29. At a rather late hour the guests arrived and were received and warmly welcomed by Harry and six of his distinguished and refined gentlemen friends who had dropped in to spend the evening. Ping pong, ghost and other interesting games soon passed the hours away, when refreshments were served, and Harry, who is an excellent entertainer and toastmaster, called for toasts. Claude led off with one so fresh and breezy that the audience, who little looked for such a burst of oratory, fell back in their chairs and grasped for one more sip of Harry's excellent "lemo." Potter and others followed with telling effect, when finally it was time for us to say Adieu. It was afterwards learned that Adams arrived at his room about one o'clock, Potter arrived in time to hear his alarm clock peeling out the warning, "Come, George, roll out!" while Mason was not home that night, and it was rumored that he was still absent at the office at ten o'clock next day.

Moral—"The excesses of youth are drafts upon old age, payable with interest about thirty years after date."

Dr. Treynor (calling roll)—"Miss Bushnell?"

Miss B. (swings her hands and grabs at the air like a drowning person, but later says it was the deaf and dumb alphabet she was giving.)

Dr. Treynor (marks Bushnell absent and goes on with roll.)

Miss B. (poking Mr. Morris in the slats with both fists)—
Tell him I'm here!

Mr. Morris—Doc! Miss Bushnell is here.

Dr. Traynor—Miss Bushnell, why don't you answer?

Miss B. (emphatically)—I have such a cold I can't talk,
Doctor.

Potter one day during vacation, after he had returned to Omaha from a short Xmas visit to the comfortable and happy home of his sister and brother-in-law and their two little children, was heard to go into his room and then all was quiet. Soon after a lean, lonesome sophomore called at the house and with the manner accustomed to college boys, went directly to Potter's room and entered without even rapping, and there was Potter sitting upright in his chair sound asleep. The intruder at once noticed him talking as if in a beautiful dream, and being sort of a second-hand stenographer and remembering himself once a member of an editorial staff, grasped paper and pencil and rapidly wrote as Potter lazily drolled out: "Yes, college life is slow and discouraging. I am getting awful tired of it, and besides good cooking is a dream. I just hate these old restaurants where I have to eat whatever they give me—(A short silence as if thinking). Y-e-s, that is what I'll do. I'll just land some pretty girl, with plenty of coin, throw up this medical course, sit around with ease for a while and enjoy absolute rest. How nice it will be to have a beautiful wife, my own hearthstone, with a couple of registered St. Bernards lying around and here and there golden haired darlings romping and playing with a bottle of paregoric." The visitor, being somewhat used to college life, thought it would be a shame to disturb such happy dreams, so stole away and closed the door upon the sleeping beauty.

On Wednesday, January 7, our class was assembled in room two for a lecture on chemistry when Dr. Stokes appeared, ac-

accompanied by an old classmate, whom he introduced as Attorney Zmunt. Mr. Zmunt took the floor and made a short but right to the point lecture on "What a Doctor should say on the witness stand when called upon as an expert witness." The lecture was one of the very best we have ever heard—his flow of speech, command of words, and articulation were something of which any orator might be proud. We heartily thank Dr. Stokes for the treat and trust the words of the speaker will be long remembered by the class.

Most of the boys went to see "Ben Hur," but Swoboda has Ben going to see Hur.

Adolphus H. says he did not know the boys were to have one way trip Christmas for round fare.

Arborgast does not believe in birthstones. He says if he was born in January his favorite is a Ruby.

Kennedy wants to go to Lincoln to lobby a bill through which will "increase the penalty for assault and battery, and prohibit old gentlemen from wearing box-toed shoes. Mr. Kennedy thinks that this penalty is now so low that it is a great wonder that the human race are not half totally blind and the rest wearing glasses, while the box-toed shoes are not stylish, for old gentlemen, and from a medical standpoint are a general detriment to the human anatomy.

One would think to hear Miller tell fish stories that he had lived along the sea of Tiberias in the time of Andrew, Simon Peter's brother. John vi, 9-14.

Remember, students, you get special rates at Beaton-McGinn & McGinn's Drug Store.

FRESHMAN NOTES.

BYRON B. BLOTZ, '06, Editor.

"Have those always been the functions of the stomach?
Fuller.

Robertson spent his vacation "mid pleasant surroundings;
father, mother, brother, sister, and ——"

Happy are they who work together in chemical lab., for their
conclusions will be the same.

A word to some is sufficient, but it takes several words to
make Robey "clear."

Scholting has accepted a lucrative position with an eastern
insurance company. He will be missed by the class, who always


CLARK'S
**BOWLING
ALLEYS**

1313-15 Harney St. OMAHA

SIX REGULATION
Biggest + Brightest + Best
Latest Styles. Terms Moderate.
A. KODYM
MERCHANT TAILOR

Suits made to order from \$18 upward.
Trousers from \$4 up. Repairing,
Cleaning and Pressing neatly done.

1510 Harney St. ...Omaha

Please mention the Pulse.

BAKER & WIGTON,

(Successors to BLACK & BARTLETT)

DEALERS IN

**MEDICAL, SURGICAL
AND DENTAL BOOKS**
ALUMNI TRADE SOLICITED

ADDRESS:

OMAHA MEDICAL COLLEGE,
Phone 1467.
WELL ! WELL! WELL !

We have a \$75 Physician's
Chair, and also a \$60 Scholar-
ship at the Omaha College of
Pharmacy, both of which we
will sell at greatly reduced
prices. Inquire of W. P.
Wherry, Bus. Manager THE
PULSE.

enjoyed his pleasant demeanor, and his presence will be welcome next year when he will resume his studies.

The boarding house, it was quite neat;
The waitress, O, she was sweet.
And Jack, he lived in joy supreme—
Of her alone he'd ever dream.

Alas! sad day! Ah, cruel Fate!
He found a cockroach on his plate;
Her winning ways changed not his frown—
So he left the place and turned her down.

—Contributed.

Everyone has returned from a well-spent vacation at home, and work on the second semester has begun in earnest. So earnest that we find in it a vivid reality and not what in the parlance of the street would be called a "bluff." During the first few days the result of examinations was paramount in the minds of all, but we soon ascertained that the method of procedure here differs from the ordinary non-professional college and that final cards, only, would reveal anything definite.

Jerseys and Sweaters

See us. We have a complete
line. Prices and goods are
right. No trouble to show
goods. x x x x x x

Schmelzer Sporting Goods Co.

1521 FARNAM STREET, OMAHA, NEB.

Dewey European Hotel,

13th and Farnam Streets,

NICE. LARGE, CLEAN, ROOMS.

Embryology has taken the place of biology, and with that exception the schedule remains the same.

The anatomy and the dissecting case have been taken down and the anatomical laboratory has again been transformed into an arena for the combats between the odors of pipes and cadavers. Add to this the peculiar phraseology of the place and you have what to the onlooker is a veritable melodrama, although it is more real than any he has ever seen. To us, however, it will be cut, smoke, integument, superficial and deep fascia, for several more weeks, and then we follow the natural trend of things in the home stretch of our first collegiate year.

A jolly young chemistry tough,
While mixing a compound of stuff,
Dropped a match in the vial,
And after awhile
They found his front teeth
And a cuff.

Why did the fly fly?
Because the spider spid'er.

—*The Polytechnian.*

O. D. KIPLINGER

Carries a Full Line of

Cigars, Smokers' Articles of Every Description.

Give us a Call.

1223 FARNAM ST.

Phone 1767.



A GUARANTEED TIMEPIECE.

Every watch we sell we not only guarantee the quality but an absolute time-keeper. Gent's solid gold watches, \$35.00; ladies' solid gold watches, \$20.00—with any of the American movements. We also carry a full line of Swiss watches from \$50.00 to \$500.00. Don't buy till you've inspected our line.

MAWHINNEY & RYAN CO.

JEWELERS AND ART STATIONERS

15TH and DOUGLAS STREETS

South Omaha Ice and Coal Co. ...OMAHA, NEB.
912 SOUTH 13TH ST.

TEL. 373.

You buy the Best in CRESCENT WASH NUT COAL.

The Omaha College of Pharmacy

This is the best school of the kind in the West. The equipment is first-class and complete.

The student receives more personal attention here than in *any* other school of the kind in this country. When the course is completed, the young man or young woman goes out thoroughly prepared for his or her profession.

There are now 39 students in the junior class and we cordially invite friends to visit the school and see what is being done.

For catalogue or other information, address

J. L. KENDALL,
OMAHA COLLEGE OF PHARMACY,
OMAHA, NEB.

TELEPHONE 481

Heyn

Highest Class Photography

313, 315, 317 South 15th St.,
OMAHA

Any Hat in the House, \$2.50.

No More, No Less.

A FULL LINE OF UP-TO-THE-MINUTE MEN'S FURNISHING GOODS.

BLACK, The \$2.50
Hatter

107 South 16th St.

OMAHA, NEB.

Please mention the Pulse.

PROFESSIONAL DIRECTORY

FACULTY.

F. S. OWEN, M. D., Professor of Laryngology and Rhinology, 209 Karbach Blk. Tel. 324. College—Monday, 9 to 10.

W. F. MILROY, M. D., Professor of Clinical Medicine and Physical Diagnosis, 312 McCague Blk. Tel. 1462. College—Wednesday, 9 to 10; Friday 1 to 2.

G. H. BICKNELL, M. D., Associate Professor of Ophthalmology and Otology, 405 Karbach Blk. Tel. 739. College—Thursday, 9 to 10.

HAROLD GIFFORD, M. D., Professor of Ophthalmology and Otology, 409 Karbach Blk. Tel. 739. College—Tuesday, 9 to 10.

A. F. JONAS, M. D., Professor of Practice of Surgery and Clinical Surgery, 317 Continental Blk. Tel. 1073. College—Monday, 1 to 2; Tuesday, 11 to 12; Friday, 11 to 12.

D. MACRAE, M. D., 252 Merriam Blk., Council Bluffs, Iowa. Professor of Railroad and Clinical Surgery. College—Friday, 4 to 5.

W. O. BRIDGES, M. D., Professor of Principles and Practice of Medicine and Clinical Medicine, 302 Bee Bldg. Tel. 1727. Office hours: 9 to 10 a. m.; 1:30 to 3:30 p. m. College—Tuesday, 4 to 5; Thursday 4 to 5.

DONALD MACRAE, JR., M. D., Professor of General Descriptive and Surgical Anatomy, Merriam Blk., Council Bluffs. Tel. 125.

W. H. CHRISTIE, M. D., Professor of Materia Medica and Therapeutics, 48-49 Barker Blk. Tel. 832. College—Monday, 10 to 11; Thursday, 10 to 11.

H. P. JENSEN, M. D., Professor of Electro Therapeutics, 2804 Harney St. Tel. 315. College—Thursday, 3 to 4.

A. C. STOKES, A. M., M. D., Professor of Chemistry and Genito-Urinary Surgery, 202 McCague Blk. Tel. 2030. College—Tuesday, 9 to 10; Wednesday, 10 to 12; Friday, 11 to 12 and 2 to 3; Saturday, 9 to 10.

PAUL H. KOERBER, M. D., Associate Professor of Materia Medica and Therapeutics, Yutan, Neb.

H. M. MCCLANAHAN M. D., Professor of Diseases of Children, 1312 N. Fortieth St. Tel. 1402.

A. B. SOMERS, Professor of Obstetrics, 22-23 Continental Blk. Tel. 1065. College—Monday, 2 to 3; Friday, 2 to 3.

B. B. DAVIS, Professor of Clinical Surgery and Principles of Surgery, 202 Bee Bldg. Tel. 1551. College—Tuesday, 9 to 10; Friday, 9 to 10; Wednesday, 1 to 2.

J. M. AIKIN, M. D., Clinical Professor of Nervous Disease, 401-402 Brown Blk. Tel. 1532. College—Tuesday, 2 to 3; Friday, 3 to 4.

V. L. TREYNOR M. D., Professor of Physiology, Baldwin Blk., Council Bluffs, Ia. Tel. 1. College—Monday, 11 to 12.

PAUL H. LUDINGTON, M. D., Assistant to the Chair of Principles of Surgery, 204 Bee Big. College Monday, 2 to 3; Thursday, 2 to 3.

E. J. UPDEGRAFF, M. D., Room 1 Continental Blk. Tel. 495. Assistant to Chair of Practice of Surgery College, Thursday, 2 to 3. O. M. C. 1899.

GEO. MOGRIDGE, M. D., Glenwood, Ia. Lecturer of Diseases of the Feeble Minded. O. M. C. 1894.

H. B. LOWRY, M. D., Professor of Diseases of the Nervous System, Lincoln, Neb. Tel. 185. College Alternate Fridays, 3 to 4.

H. B. LEMERE, M. D., Assistant Eye, Ear, Nose and Throat Depts., 309 Paxton Blk. Tel. 685. College—Tuesday, Thursday and Saturday, 1 to 2.

R. C. MOORE, M. D., Professor Mental Diseases, 312 McCague Block, Omaha. College, Thursday, 10 to 11.

W. S. GIBBS, M. D., Professor Practice of Medicine and Clinical Medicine, 202 Brown Block. College, Monday, 4 to 5; Wednesday, 4 to 5; Thursday, 1 to 2.

Professional Directory--Continued.

ALUMNI

W. S. REILEY, M. D., Red Oak, Ia. O. M. C. '95.

MARY A. QUINCEY, M. D., Ashland, Neb. O. M. C. '96.

F. A. GRAHAM, M. D., Lincoln, Neb., 15th and O., F. & M. Bk. O. M. C. 1889.

J. W. ARCHARD, M. D., Grafton, Neb. O. M. C. 1891.

E. L. ROHLF, M. D., Waterloo, Ia. O. M. C. '00.

J. H. JESSEN, M. D., Lexington, Neb. Chief Surgeon Lexington Hospital. O. M. C. 1897.

GEO. F. PUGH, M. D., Platte Center, Neb. Telephones: Office, J152; residence, 2152, Columbus circuit, Neb. Tel. Co. No. 6--local line. O. M. C. 1897.

H. J. LEISENRING, M. D., Wayne, Neb. O. M. C. 1883.

E. J. C. SWARD, M. D., -- A., Oakland, Neb. O. M. C. 1896.

J. M. CURTIS, M. D., Ft. Calhoun, Neb. O. M. C. 1894.

S. G. ALLEN, M. D., Clarkson, Neb. O. M. C. 1901.

GEO. P. CLEMENTS, M. D., Albion, Neb. O. M. C. 1896.

C. F. MORSEMAN, M. D., Strang, Neb. O. M. C. 1902.

F. W. KRUSE, Sutherland, Neb. O. M. C. 1902.

M. B. M'DOWELL, M. D., Merriman, Neb. O. M. C. 1902.

F. D. HALDEMAN, M. D., Ord, Neb. O. M. C. 1882.

C. F. DIETZ, M. D., Carson, Ia. O. M. C. 1897.

DORA M. JUDKINS, M. D., Fullerton, Neb. O. M. C. 1895.

R. C. WRIGHT, M. D., Bern, Kas. O. M. C. 1893.

C. M. MacCONNELL, M. D., 121 Union Ave., Cranford, N. J. O. M. C. 1891.

A. M. TOWER, M. D., Lead, S. D. O. M. C. 1900.

A. JOHNSON, M. D., Supt. Nebraska Institute Feeble Minded Youth, Beatrice, Neb. O. M. C. 1890.

C. F. GRITZKA, M. D. Lorton, Nebraska. O. M. C. "'01."

W. H. LOECHNER, M. D., South Omaha, Nebraska. O. M. C. "'01."

B. W. CHRISTIE, M. D. R. 48, Barker Block, Omaha, Neb. O. M. C. 1902.

ATTENTION!

IF YOU ARE
NOT
ENTIRELY
SATISFIED
WITH THE
'GET-UP' OF
YOUR
PRINTING
CALL AND
SEE US. . . .
WE NEVER
FAIL TO
PLEASE OUR
PATRONS

NEW TYPE

NEW PRESSES

PRINTING

DOUGLAS PRINTING CO.

Commercial . Book . and . Catalogue . Makers

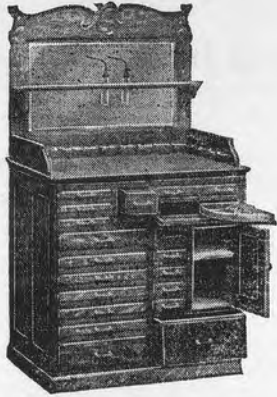
1508---Howard Street---1508

TELEPHONE

644

**DOUGLAS
PRINTING
COMPANY**

WE PRINT
THIS
PULSE



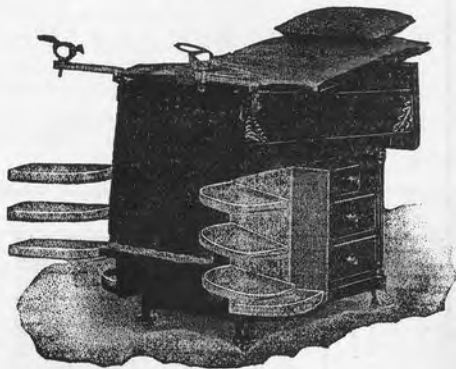
The **ALLISON**
Tables and Cabinets

In the physician's office means a saving of much time and trouble, more comfort to the patients and an increase in practice. They meet every requirement of both general and special practice, and by their beauty add materially to the appearance of the office.

Send for Catalogue A and be convinced.

W. D. ALLISON CO.

141 EAST SOUTH ST. - INDIANAPOLIS



Please mention the Pulse.

CEALGIC

(Name derived from *cea*, cures; and *algia*, pain.)

R Acetanilid 8 grains
Neurodin (Merck)..... ½ grain
Caffeine Citrate..... ½ grain
Soda Bi-Carbonate ½ grain
Ammonium Chloride..... ½ grain
Digitalin (Merck) 1-200 grain

(CEALGIC may be safely prescribed in cases where the action of the heart is too weak to allow the use of ordinary coal tar products.)

INDICATIONS.—As a sedative for pains attending nervous affections. Most efficacious in nervous headache, rheumatism, gout, erysipelas, migraine or neuralgic headache.

CEALGIC and its combinations are put up in five-grain tablets also in powder.

DOSE.—One or two tablets (or five to ten grains of the powder) every half hour for three doses (if necessary) then every two or three hours as indicated, according to the judgment of the physician.

CEALGIC COMBINATIONS.

CEALGIC AND CODEINE:

R Cealgic..... 4 grains
Codeine..... 1-12 grain

DOSE:—One or two tablets every hour for three doses, then one tablet every three hours as indicated.

CEALGIC AND HEROIN:

R Cealgic..... 4 ¾ grains
Heroin..... 1-16 grain

DOSE:—One or two tablets at intervals of thirty minutes for three hours or until sleep is produced.

CEALGIC AND QUININE:

R Cealgic..... 4 grains
Quinine 1 grain

DOSE:—One or two tablets every two to four hours.

CEALGIC AND SALOL:

R Cealgic 2½ grains
Salol..... 2½ grains

DOSE:—One or two tablets every two or three hours.

FROM THE LABORATORY OF

PORTER-RYERSON-HOOBLER Co.

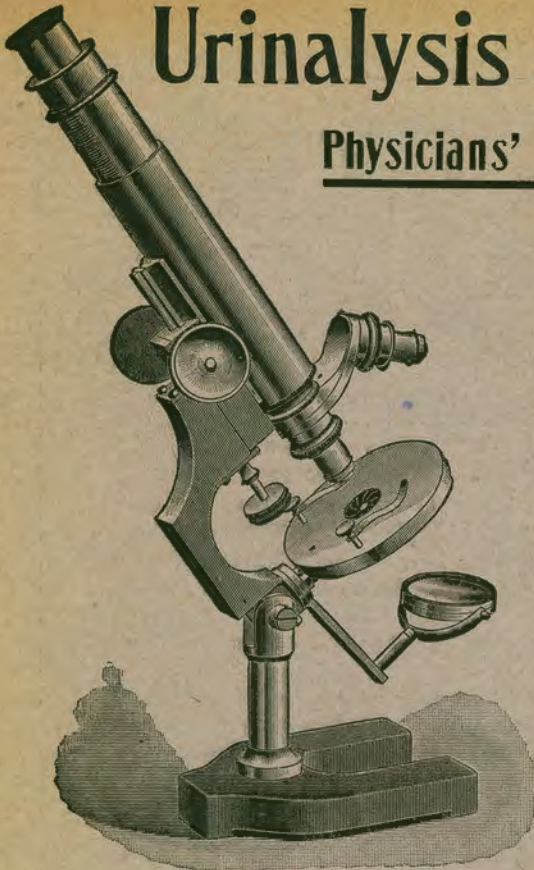
MANUFACTURERS OF

"P. R. H." PHARMACEUTICALS

OMAHA, U. S. A.

Urinalysis Apparatus

Physicians' Microscope



THIS stand has a japanned iron base of the horseshoe form. All other parts are made of brass, handsomely finished and lacquered. The draw tube and double nose-piece are nickel plated.

The coarse adjustment is by rack and pinion of the diagonal pattern, provision being made to compensate for wear through use.

The fine adjustment is by micrometer screw. This works in a slide. The movement is perpendicular to the plane of the stage and there is absolutely no lateral or lost motion.

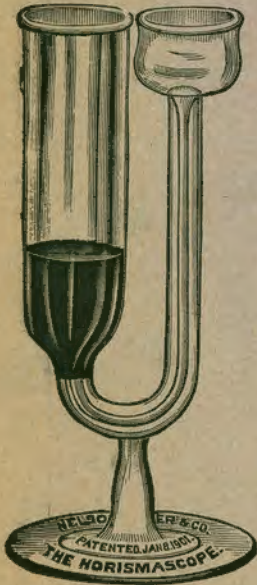
The draw tube is arranged for long or short standards, is graduated in millimeters and slides in cloth.

A large circular stage fitted with removable spring clips is provided and is furnished with an iris diaphragm of special design that operates directly underneath the object slide; this permits of the greatest amount of oblique light. The underside of stage is threaded so that a standard sub-stage ring can be attached to hold sub-stage apparatus.

There is ample working room for high or low power objectives.

PRICE \$40.00

Including highly finished, upright, hardwood case with drawer for accessories, one eye-piece 1-in. focus, $\frac{1}{2}$ and $\frac{3}{8}$ separate objectives and double nose-piece.



High Speed Centrifuge

\$10.00 AND \$15.00

Albumoscopes

\$1.00 EACH

Saccharometers

75C EACH

Urinometers

35C AND 75C

Ureometers

\$1.00 EACH



The H. J. Penfold Co.

1408 Farnam Street
Opposite Paxton Hotel
OMAHA, NEB.

Please mention the Pulse.