Spring 1925

Axone, Spring Number, 1925

Philadelphia College of Osteopathy

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The
AXONE
SPRING NUMBER, 1925
Dufur Osteopathic Hospital

J. IVAN DUFUR, D. O., President

AMBLER, PENNA.

Welsh Road and Butler Pike

City Office
Witherspoon Bldg.
Philadelphia

Telephones:
Hospital Ambler, 110
City Office, Walnut 1385

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"CURING" DISEASES—CAN IT BE DONE?
By Edward H. Dixon, M.D.

Putting medicine into the mouth to "cure" disease is an absurdity: you can "cure" a man or a pig only when dead... You may perturb the functions of the body, but you can not compel any one of them to do your bidding; they choose to work harmoniously and in their own way—not in yours and according to your theory. When Napoleon the Great said to his physician those memorable words, "Doctor, no physicking! We are a machine made to live. We are organized for that purpose; such is our nature. Do not counteract the living principle. Let it alone; leave it the liberty of defending itself; it will do better without you and your drugs."—he uttered a great truth. St. Paul also said: "And, whether one member suffer, all the members suffer with it: or one member be honored, all the members rejoice with it." What did he mean if not the sympathy of all the organs when diseased or dearranged in their action, and the full rejoicing of all the members when in health? Every note must be perfect. And when a foolish man, with a theory of his own, attempts to "cure" disease by medicine, he shows his stupidity, vanity or dishonesty. The sole business of a conscientious medical man is to instruct his patients how to keep well, and how to regulate the natural agents—food, warmth, rest, and sleep—so as to resist disease till the natural forces can overcome it; that is all—all else is experiment.

—Selected from "Back-Bone."
The gusty March winds are blowing. Nature’s great house cleaning has commenced; its ventilators and vacuum cleaners are on full blast, freshening the atmosphere and sweeping out the highways and the byways. When April comes along dashing bucketfuls of showers into street, cranny and nook, the world will be prepared.

We, too, open our windows, rummage through our shelves, dressers and closets, sorting out and throwing away the worthless and the worn. With enheartened courage, we consider taking on new adaptations that must be found to replace the old, to fill new and broader demands.

A new season is springing into being. To gain the best, men and institutions, moderating their activities with human kindness, should follow nature’s animated progression.

In all disputes, so much as there is of passion, so much there is of nothing to the purpose. –Sir Thomas Browne

Into our college life we believe there should be introduced a more just, less trying, and, perhaps, a more constructive way of holding examinations.

With their variations in uniformity and sometimes squareness, the present methods thrust an unnecessary trial upon the students’ physical, mental, and even moral, endurance.

To be specific: there are a number of minor courses given the upper classes in which finals could well be discontinued; more care should be given by the instructors in the wording and length of their tests in the remaining subjects.

The marking value of answers to questions framed. “Tell all you know of—,” “Outline your treatment of—,” “What would be your procedure in—,” “How would you treat—,” in the final analysis might depend on the personal feeling of an instructor. Why allow such uncertainties to creep into our examinations?

The length of the examinations, also, ought to receive due consideration. To be again specific: When it is impossible to repeat aloud one half the answers required on an examination within an hour, one might question the physical possibility of writing the answers to the whole of it within two hours.

From rumors prevalent it is hopeful that a satisfactory solution of this whole problem of examinations will be soon forthcoming. However, to make the results doubly certain, the matter should be brought before the Student Council.
At this first dinner after vacation, the two seniors found themselves gracing the landlady's table. Three years spent in one boarding house, had its rewards they thought, but there was also a freshman seated at the same table. This caused the seniors to wonder. Later the freshman explained his presence by the wit he displayed, for wit was a quality Mrs. Leighton adored.

"Oh, Dr. Senior Unus," gurgled the lately-young lady in lavender from the next table, "It seems so good to see you back again. Our intellectual life has been at such low ebb all summer."

While Unus was unfolding his napkin, he inquired over his shoulder, "You've been reading as much as usual, I suppose? And your vacation?"

"Oh, I had such a delightful time with my cousins; they're so crude to one from the city, but they have a beautiful car. One trip they took me on—up through the lake section—mountains, hills and lake after lake. Really, I never passed so much water in one day in my life before."

"Did you go through the Pretzel Groves of Huntington, too?" dryly inquired the freshman.

The seniors gave their attention mainly to the food, but one ear was cocked for this conversation.

"Are you trying to be funny? I always thought they were made."

"No, they grow hanging down in long strips—a beautiful sight. They nearly ripen, then they have to be picked and bent. Pretzel bending is a good job—expert pretzel benders make fine money."

The lady in lavender slightly hardened her voice to be heard above the giggles and the passing dishes—"Oh, Dr. Unus, have you ever read 'The Meditations of Marcus Aurelius?' I'm delighted with them—my friend gave me such a beautifully white-bound copy of them for my birthday. They are so stimulating—I must lend them to you."

"I'll read them sometime," he replied, "but I'll get one of those little blue paper copies. White-covered books are too dainty for me—always remind me of weddings."

Here further literary conversation was interrupted by the newly-arrived young widow and her three-year-old.

"Now, you must eat more, Lucy."

"No."

"Come, eat your bread and butter like a good little girl."

"But I don't like this kind of butter, mamma," protested the child. A painful silence followed. Others had suspected it wasn't butter, now they knew it.

Senior Deux, a quiet fellow, sensed the pause and with drawing some scraps of paper from his pocket spoke up. "Do you know, I started to write a hymn for P. C. O. during vacation? It has a line or two yet to be finished. If you'd like to hear me read—"

Continued on Page 26
ONE OF the most conspicuous characteristics of animal life is the activity produced by muscular movements. Even in man himself by far the greater part of the evidence of his life is produced as a result of muscular activity. The working of his brain itself is made evident by muscular activity. The only evidence that other individuals can have of mental activity on my part at the present moment is this writing, which is a result of certain definite and graduated muscular activities, dictated by the brain activity. One cannot see the process of thinking, but they can see the result made evident by muscular activity of the hand, or hear it as a product of the activity of the vocal muscles.

It is at once evident, therefore, that in order to produce the wide variation of actions necessary to convey delicate shadings of meanings, and to produce work varying from the coarsest labor to the most delicate handicraft, there must be a means of controlling muscular responses to stimulation. In view of this universal application of muscular activities, a consideration of the mechanism for control of muscular responses must be of general interest. No particular originality is claimed for any of the following; the writer merely desires to call attention to the application of certain theories.

There are several theories used to explain this mechanism, two of which we will consider. The first, which is the older and until recently the generally accepted one, is to the effect that the strength of muscular responses are due to the varying strength of the stimulus received over the neurons supplying the muscle in question. That is to say that at one time the neuron carries a weak impulse which only elicits a partial use of the potential energy of the muscle fiber in question, while at another time the neuron may carry a strong impulse which causes the entire potential energy of the muscle fiber to be used. Between these limits, the theory assumes, minutely graduated impulses are possible, each eliciting its corresponding intensity of response from the muscle fiber.

In the light of our present knowledge of the physiology of nerves it is hard to believe that this theory correctly explains muscle responses. The doctrine of specific nerve energies was formerly believed; that is that each class of nerve fibers carry a specific form of energy differing from the energy carried by all other classes of fibers, and hence, as an example, temperature sense fibers would carry a different energy than that carried by pressure sense fibers. We do not now believe this to be the case, but do believe that the difference in sensation is due to the mechanical or chemical difference of the organs of reception and the location of the ultimate termination of the tracts carrying the sensory stimuli. Accordingly the fibers themselves would all carry the same sort of energy (nervous energy), which is interpreted as to origin and termination. In line with this simplification many authorities now feel that they have ample grounds to believe that (under normal conditions) the amount of energy liberated from a given neuron as the result of stimulation of that neuron, is a constant quantity. If this is true it precludes the possibility of the muscle fiber receiving impulses of varying intensity from a single neuron causing partial contractions of the muscular fiber, but provides only for the reception of impulses of a single definite intensity which, therefore, of necessity would cause complete contraction of the muscle fiber for each impulse received.

This brings us to a consideration of the other theory, which might be called Lucas' Theory, since it was originated by Keith Lucas, of Cambridge, England. This theory compares the energy of a muscle fiber with that of the charge of a repeating firearm. In the case of the firearm the force of the explosion never varies, no matter how strongly or weakly the trigger is pressed, granted that it is pressed sufficiently to release the hammer, which is actuated by a spring. The trigger pressure necessary to overcome the trigger resistance would be comparable to the liminal value, or threshold value, of the neuron, which value the stimulus must overbalance in order to activate the neuron and cause the passage of an impulse. The potential energy of the hammer spring would represent the constant energy of the neuron. The hammer always falls upon the charge with the same intensity, which is just sufficient, or a little more, to explode the charge, the latter never varying, but always completely expending its potential energy. In just such a manner this theory contemplates the use of the energy of an individual muscle fiber.

How then, does this theory explain the grading of muscle responses? In order to explain
it we must consider the histology of the neuromuscular unit. We ordinarily think of a muscle as a distinct unit composed of the mass of muscle-fibres which have the same general origin and insertion and enclosed in the same sheath. However, for the purposes of this discussion, and indeed more correctly, let us consider a muscle as an aggregation of independent, single muscle-fibres, or at most very limited groups of fibres (as will be noted hereafter), all having the same general origin and insertion. That is to say that the muscle fibre is the working unit of the muscle mass, and has certain nervous connections. The motor nerve cell-bodies are situated in the lower sections of the brain and in the spinal gray matter, according to whether the destination of the axones is to the muscles of the head or to other portions of the body. A single motor axone as it approaches its termination in the muscle, branches freely and thus is linked to a number of muscle fibres. This number of muscle fibres supplied by a single axone constitutes the limited group mentioned before, and they, together with the neuron supplying them are called a Neuro-muscular Unit.

A muscle then, from the gross anatomical standpoint is composed of a considerable number of neuro-muscular units, which of course includes a large number of motor perikarya situated somewhere in the central nervous system. The point of location of these perikarya, therefore, would be the trophic center for that muscle mass: Lucas' Theory assumes that when a single motor perikaryon is stimulated the neuro-muscular unit belonging to that perikaryon is caused to exert its entire amount of energy, which, under normal conditions, is a constant. If the number of neuromuscular units involved in a contraction of a muscle is large, the work done by the muscle will be large and vice versa. In other words, the work done by the muscle varies directly with the number of neuromuscular units operating simultaneously, a greater or less portion of the total number of units being idle at a given moment.

It is generally conceded that a vigorous voluntary action presupposes a correspondingly vigorous and widespread cerebral activity to initiate it, and also that a small action is preceded by a correspondingly small cerebral process. This would mean that the total amount of motor energy carried over the projection fibers from the cerebral cortex to the trophic center of the muscle would vary according to the intensity of the cerebral process. The total amount of stimuli carried to the trophic center would determine the number of neuromuscular units stimulated simultaneously, since the total stimuli would equal the total liminal value of a definite number of neuromuscular units only, and not more. Thus the tension applied to the muscle tendon would be accurately graded to the intensity of the cerebral process involved. If the cerebral process demanded a continuous action, after the first set of neuromuscular units had been stimulated, the action would be transferred to other groups of an equal number of fibers successively, until the entire number of fibers composing the muscle mass had been in action, when, if the demand still persisted, this cycle would be repeated. A sustained muscular contraction would, therefore, be a series of overlapping contractions of parts of the muscle mass and not the continuous contractions of the entire mass of fibers composing the muscle.

Since the theory assumes that the intensity of muscular contractions is due to the number of neuromuscular units stimulated simultaneously, it would follow that any agency which provides for the simultaneous stimulation of a greater number of neuromuscular units would develop more power from the muscle. This is actually one of the things that physical training does bring about. By constant repetition of movements it causes a lowering of the liminal value of the motor neurons concerned in those movements so that the available amount of stimulus is able to affect more neuromuscular units simultaneously. Of course in addition to this we gain efficiency also of local circulation and co-ordination of higher nerve centers, which will not be discussed here, but which serve to increase the effect just mentioned.

It appears that despite training along the lines mentioned above, there is still a part of the muscular resources beyond our normal control. This unavailable resource would constitute a reserve which may be exhibited only under such exceptional conditions as excessive emotion, hypnosis, delirium and certain types of insanities, all of which are conditions of abnormal cerebral processes. Some surprising exhibitions of strength have been witnessed in insane patients otherwise emaciated by disease to such extent that we would expect them to be far weaker than they proved to be. Such exhibitions would tend to prove that the normal individual has an enormous reserve of muscular energy unsuspected and usually unavailable.

In this connection we recognize the relationship of the effect of emotions upon the secretion of adrenalin to the production of extra muscular power. However, from the facts that are presented in support of this function of continued on page 24
ATHLETICS

Seemingly unnoticed by the rest of the student body the athletes of the college have busied themselves with practice and hard work since the last outburst from this department. Our teams have made very commendable showings. They labor under adverse conditions, else we would undoubtedly report only P. C. O. victories.

Let us take this opportunity of congratulating Dr. D'Elicius upon his triumph in putting over the big indoor track meet. We confess that we were among the skeptics when he made known his plans to have the Phantom Finn run in our meet. Now he's done it and we take off our hat. According to various authorities the meet was one of the best this old city has ever witnessed. The difficulty experienced in seating and handling the crowd was offset by the efficiency of the track officials in running the events so smoothly. We are now looking forward to a bigger and better carnival next year.

True to predictions the Varsity has played some wonderful basketball. The team compares favorably with the best of the small college teams. Three freshmen, Sullivan, Laughton and Bradford, have stepped into the fast company and have performed like veterans. The old cry for a place to get sufficient practice is still heard. It is indeed regrettable that someone cannot step up with a plan to place all our athletics on a sound basis and supply a few of the necessities.

Victories over Ursinus, Haverford and Drexel, all by one point margins, look well on the score sheet. The team made a good impression when they lost by a score of 27 to 18 to Washington who, a couple of days later, trimmed Navy by three points. Other losses were to Swarthmore, Muhlenberg and Baltimore Y. M. H. A.

A place to witness some of this fast playing would certainly stir up some of the lagging enthusiasm in the student body. There are still two or three games to be played but it doesn't mean anything—we can't see them.

We have a great team. All we can do is to tell you about it and think of the cheers that might have been.

Results so far:
P. C. O. 30, Ursinus 29.
P. C. O. 28, Haverford 27.
P. C. O. 30, Drexel 29.
P. C. O. 18, Washington 27.
P. C. O. 18, Baltimore Y. M. H. A. 47.
P. C. O. 21, Muhlenberg 38.

FIFTH ANNUAL INDOOR TRACK MEET

Our big meet is now history. Nurmi's machine-like performance, Ritola's sensational display of running, and Phi Sigma Gamma's repetition of former victories are all on the books. And to it all there was distinction: distinction because no similar events had ever been run on a dirt track indoors.

Six thousand, or more, spectators were treated to a thrilling evening on February 16th. More than six thousand must have been there, because there seemed to be numbers of youngsters present to which only the open windows could have allowed entrance. The crowd was impressive, especially that part of it jammed in the only entrance of which the 103rd Cavalry Armory boasts.

Contrary to predictions, Nurmi came no where near establishing a new record in his event. The Finn, chased around by Jimmy Connolly of Georgetown, ran two miles in 9 minutes 30 2-5 seconds. In arriving at the mile and three-quarter mark, however, he passed the time set by W. A. Day thirty-five years ago on an outdoor track, negotiating the distance in 8 minutes 17 2-5 seconds. The performance was a colorless one. He merely mechanically wore his competition out and finished without any signs of strain.

Willie Ritola provided the big thrill. After running strongly through the entire distance of three and a quarter miles, he sprinted the last lap and established a record of 15 minutes 38 seconds flat. Hannes Kolehmainen made the old record in 1913 on an outdoor
track, which was 31 3-5 seconds slower.

The Interfraternity relay was won by the Phi Sig's. Their veteran team ran well and allowed Artie Jensen to finish in front of Rogers, I. T. S., with plenty to spare.

Talmage '28 got into the semi-finals of the 50 yard dash against some pretty fast men. The finals of the dash was won by "Boots" Lever of Penn fame.

The summaries:

Interfraternity relay—Won by Phi Sigma Gamma (Jensen, Gerlach, Edwards, Fitzwater); second, Iota Tau Sigma.

One-mile Catholic High School Championship—Won by West Catholic H. S.; second, Roman Catholic H. S.

One-mile Suburban High School Championship—Won by Palmyra H. S.; second, Lower Merion; third, Moorestown.

440 yard relay for girls—Won by Meadowbrook Club Team A; second, Meadowbrook Team B; third, Philadelphia Turngemeinde.

50 yard dash:
First heat—Won by George Hill, Penn; second, "Boots" Lever, Insurance Company of North America. Time, 5 3-5s.

Second heat—Won by D. Shatz, Penn; second, F. R. McCratty, Princeton. Time, 5 4-5s.

Third heat—Won by J. Brainerd, Penn; second, H. Talmage, Osteopathy. Time, 5 4-5s.

Fourth heat—Won by A. Allen, Meadowbrook; second, M. Fiterman, Y. M. H. A. Time, 5 4-5s.

Fifth heat—Won by J. Weisiger, Penn; second, R. Rhoades, Meadowbrook. Time, 5 4-5s.

Semi-finals:
First heat—Won by G. Hill, Penn; second, F. R. McCratty, Princeton; third, A. Allen, Meadowbrook. Time, 5 3-5s.

Second heat—Won by "Boots" Lever, I. C. N. A.; second, D. Shatz, Penn; third, J. Weisiger, Penn. Time, 5 3-5s.

50 yard dash final heat—Won by "Boots" Lever, I. C. N. A.; second, George Hill, Penn; third, Dave Shatz, Penn. Time, 5 2-5s.

One-mile College relay, invitation—Won by U. of P.; second, Lafayette; third, Muhlenberg. Time, 3m. 44 3-5s.

One-mile College relay, open—Won by U. of P.; second, Temple. Time, 3m. 52 1-5s.

One-and-three-quarter-mile run—Won by Paavo Nurmi, Finland; second, James Connolly, Georgetown; third, Gunnar Nilsson, Finnish-American A. C. Time, 8m. 17 2-5s.

600-yard run, invitation—Won by Vincent Lally, St. Anselm A. C., Brooklyn; second, C. Rodgers, Penn; third, F. Kelly, Shanahan C. C. Time, 1m. 22s.

PAAVO NURMI
Fifty-yard high hurdles—Won by C. H. Moore, Penn State; second, C. T. Elliot, Princeton; third, W. R. Howell, Princeton. Time, 6 3-5s.

Running High-jump—Won by Sid Needs, Penn; second, Hubbard, Penn; third, Singer, Penn. Height, 5 ft. 10 in.


One-mile club relay—Won by Meadowbrook Team A; second, Nativity C. C.; third, Shanahan C. C. Time, 3m. 51 4-5s.

5000-meter team race—Won by Shanahan C. C.; second, Meadowbrook. Time, 14m. 10 2-5s.

VARSITY BASEBALL
With the arrival of spring we are turning our thoughts to baseball. When we think of the good record that the varsity made last year it is natural to inquire about prospects for the coming season.

If we may place anything on material alone we would say that the future looks bright. Of the squad from last season there was no one lost by graduation. The veterans in college now include Donovan, Gerlach, Amidon, Shaw, McHenry, Gibbs, Tucker, Moeschlin, Ross, Kaufman, and Brown.
The Axone

RITOLA AND NURMI

The schedule:
Wed., April 8th—Textile (home).
Wed., April 15th—P. M. C. (away).
Sat., April 18th—Ursinus (away).
Wed., April 22nd—St. Joseph's (away).
Fri., April 24th—Drexel (away).
Sat., May 2nd—Dental (home).
Wed., May 6th—Haverford (away), pending.
Sat., May 9th—Dental (away).
Wed., May 13th—Swarthmore (away), pending.

Manager Hensel and Assistant Manager Rogers have had considerable difficulty in compiling the schedule. It compares very well with any that the varsity has played through heretofore.

WOMEN'S BASKETBALL

Since the last issue of the AXONE the girls have been practicing regularly twice a week. The practices have been good and peppy. The girls have made the most of their opportunity. We have played a number of games which, well, they didn’t wind up the way we wanted them to, but the final scores have not daunted us.

The team and practices have suffered since exams, because our active little side center, Toomey, dislocated her knee and to date has been unable to play.

We still have two games to play, the University of Pennsylvania and the Philadelphia Normal. Here we go! We’ll do our best!

WOMEN'S SWIMMING

Our Second Women's Inter-Collegiate Swimming Championship Meet was held at the Y. M. and Y. W. H. A., on Thursday, January 22. Due to the unfortunate date of the meet little interest was aroused at P. C. O. on this occasion. Much credit, however, is due our team, which, in spite of current exams, brought home points for second place in the meet. The University of Penna. gained first place, with Drexel Institute third.

Charlotte Gants won first place in the 50 yard breast stroke dash, with U. of P. in second place, and Drexel third.

The 50 yard back-stroke event was won by Helen McArdle, U. of P., Drexel Institute in second place, and our own Lib Toomey third.

Miss McArdle won also the Diving Contest, with Charlotte Gants a close second—so close, in fact, that we rather doubt the judgment of our judges. We think Charlotte "has it all over" most of the divers in these parts.

In the other events we did not place. U. of P. scoring most of the points.

Our next meet is with the University of Pennsylvania later in the Spring. Since we will not be enduring the well-known strain of midyears, we expect to do even better then and hope we may have the support of the student body witnessing our endeavor.

M. L. CROSWELL, Mgr.

FRESHMAN BASKETBALL

The freshman team was handicapped throughout the season through being unable to practice together. The fact added to the loss of their three stars to the varsity brought about a disastrous result. Their record shows one victory and seven defeats.

Some of the leading schools in and near the city were played in addition to the freshman teams of such colleges as Penn, Swarthmore and Haverford. Regardless of the scores, a very credible showing was made.

Sullivan, Bradford and Laughton did such fine work that they were soon drafted for play on the varsity. This move did weaken the Frosh, although Jennings and Spear did their best to make up for the absence of the trio and proved the highest point getters of the team. The other members of the squad were Von Lohr, Harter, Gray and Yo·ag.

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Wed., May 13th—Swarthmore (away), pending.

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played some of our hard-practiced numbers. He had a mean drum outfit, and he was invited to the orchestra. Dr. Edward Drew. He gave an interesting address in his unparalleled and distinctive manner. Musical selections contributed to the pleasure of the occasion. The Neurone Society, being a decidedly viable organization, appropriately celebrated its twenty-third year of accomplishment for the college. It was on this occasion, the first Monday in March, that we were favored with a visit from Dr. O. J. Snyder. He gave an interesting address in his unparalleled and distinctive manner. Musical selections contributed to the pleasure of the occasion. "La Dansant Novelle—Artists and Models," was the occasion of much merriment.

Dr. Flack, our former dean, will address the student body at the April meeting of this society. We are certain of a delightful talk and an inspiration from him.

COLLEGE ORCHESTRA
On the evening of January 9th, Dr. Curtis H. Muncie, of Brooklyn, N. Y., demonstrated his finger technic for deafness. Five clinic cases were operated upon and to the present all are improving. Dr. Wm. Fury, Dr. C. Paul Snyder and Dr. John Bailey assisted in arranging for the clinic in the amphitheatre.

The Junior and Senior schedules are held open on Wednesday afternoon for outside lecturers upon Osteopathic topics. January 21st Dr. Beeman, of New York City, gave a lecture on problems of Osteopathic practice. This was of special interest to the seniors as they are so soon to deal with these problems.

During February, Dr. Ray English, of Newark, N. J., gave illustrated lectures along Osteopathic research lines. The definite pathology produced by the osteopathic lesion was illustrated and the time required to produce the changes was discussed. These lectures were preliminary to the discussion of Osteopathic treatment and the scientific explanation for the results obtained.

NEURONE SOCIETY
A spirited track meet rally was held by the Neurone Society Monday morning, January 16. The enthusiasm manifested by the students was a magnificent spectacle. It was indicative of the fact that P. C. O. is an institution with excellent collegiate spirit.

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COLLEGE ORCHESTRA
On Friday evening, February 13th, the college orchestra met at the Jenkintown home of Dr. Edward Drew.

The surprise of the evening was "Sonny" Drew, who acted as guest-drummer to the orchestra. He had a mean drum outfit, and he certainly handed the boys a surprise when he played some of our hard-practiced numbers right off. Paul Whiteman should take notice. Delicious refreshments were served, after which Dr. Drew showed us some of his valuable European collections of books, slides, souvenirs, instruments and snap shots.

The orchestra is planning a dance in the very near future for the benefit of the motion picture fund. Watch for the date. We guarantee a good time.

JUNIOR NEW YORK OSTEOPATHIC SOCIETY
The New York students were most fortunate in having Dr. Holden, Dr. Muttart, and Dr. Thomas Thorburn, of New York, to address the meeting of December 16th at the college. The messages were most appropriate and helpful, and we were glad of an opportunity to receive New York legislative facts from one so closely connected with the work as Dr. Thorburn. Following the meeting "Sid" Kaney provided music for a dance for the members and their friends.

Dr. Beeman and Dr. Arthur came from New York to address the meeting of January 8th. They are vitally interested in the campaign for raising funds for a new clinic in New York City. They gave many interesting facts concerning the history of the present clinic and their reasons for feeling that the time is not ripe for the building of an Osteopathic hospital in that city.

February 2nd an open meeting was held, to which the faculty and student body were invited. Dr. J. Ivan Dufur addressed the meeting on the topic of "Professional Ethics." Dancing followed the address.

Several of our number are taking an active part in the campaign of the Osteopathic Society of the City of New York to raise funds to build and endow an enlarged clinic.

This clinic, which has been in existence eleven years, was chartered by the State and licensed by the State Board of Charities, which granted it "Class I as practically showing no defects" at the close of its first year. It has always maintained this ranking, but the present building now is out-grown in every way and inadequate for the demands made on the clinic.

Since the opening date approximately 4500 patients have received free or partly free care at this institution. More than 68,000 treatments have been given and over one hundred osteopathic physicians have given gratuitous service.

The scope of the work of the new clinic will only be limited by the amount of the fund secured through this campaign. Let us all help.
SENIOR CLASS

SOME OF THE SENIORS WONDER

If "Brownie" will consider herself "middle-aged" at thirty-five.
If Al (Randall) will be one of Henry Ford's Agents as well as an Osteopath.
If Cossie will ever aspire to teach respiratory diseases.
If Fischer will ever devise some method whereby he can eat and treat at the same time.
If "Mike" ever gets excited.
If Lutz is really appreciated.
If bridge is on this semester's schedule.
If Trumbull thoroughly enjoys his presidency (we wonder).
If Cole's practice will be confined to the women of Boston's four hundred.
If Pete Integlia was thrilled or petrified when he gave his first anesthetic. (We were with you, Pete.)
If Hamilton, Fischer and Stollery consider themselves the tripod of P. C. O.
If Ruth (Vibant) is in the Senior Class or in a class by herself.
If Thelma is accustomed to play "Friday,"
If there is a popular girl in the Senior Class—or in the whole College.
If Dr. Bailey's enthusiasm is a part of the whole cure. (Who knows?)
If the Seniors are supposed to have iron constitutions and no feelings.
If the Seniors couldn't possibly have had more than eighteen exams in nine days.
If the Juniors and Seniors aren't paying a rather heavy penalty as they pass "thru the period of transition."
If some of the prof's respect flattery.
If it pays to cater.
If the students can't do more to support the hospital. (Considering the attitude and environment.)
If the interns enjoy and appreciate the necessity of eating at the hospital and then paying for their own meals.
If the interns wouldn't make super-bell hops.
If the Senior Class will ever hold a secret meeting.
If the Seniors will have the pleasure of returning next fall to take a course of "balled up" exams.
If anyone knows what the fifty-dollar raise in tuition has done for us.
If any of the seniors will ever really enjoy coming back to P. C. O.

JUNIOR CLASS

As this goes to press the Juniors are sighing deeply and once again breathing freely. The "mid years" are over—so are our worries, until June.

The Juniors want to take this opportunity to congratulate the Freshman Class for the splendid dance that they ran at the Adelphia. It was commendable and worthy of comment. The Juniors hope that the Freshmen will complete all their undertakings equally as thoroughly during their four years at P. C. O.

It's regrettable that some differences have arisen between the Senior Class and the Junior Class concerning the construction of "The Synopsis." However, it is to be hoped that a permanent arbitration can be arrived at in order to insure the greatest success possible for the year book.

Congratulations, Jennie! May you never have any "worst" troubles.
We are glad to know there are some in our fold who have not "cribbed" in an exam.

SOPHOMORE CLASS

After a "desperate" struggle, the class succeeded in over-coming the mid-year examinations and now will devote more time to extra-curricular activities.

The class play, "Nothing But the Truth," was presented for the second time on February 27, 1925. It was given under the auspices of The Boy Scouts of America. Troop 4, at the Germantown Boys' Club.

'27 thanks the class of 1928 for the wonderful time at the Adelphia. "That's the Spirit."

RESOLUTIONS

Whereas, God, in His infinite wisdom, has removed from our midst Mr. Michael Conway, of Philadelphia, Pa., the father of our esteemed class-mate, Helen B. Conway,—be it therefore

Resolved, That the Class of 1927, Philadelphia College of Osteopathy, express its heartfelt sympathy to our class-mate and to her family in their bereavement, and be it further

Resolved, That a copy of these resolutions be sent to her family, a copy included in the records of the class, and a copy be printed in the following issue of the AXONE.

For the Class,

W. A. GANTS,
F. P. FITZWATER,
G. E. CLARKSON.

FRESHMAN CLASS

On the evening of Friday, February 6th, the class presented its first function of a social nature, in the form of a semi-formal dance in the Green Room of the Hotel Adelphia. The three upper classes and the faculty were entertained, and, it is hoped, spent an enjoyable evening. Music for the occasion was furnished by the Devoe and Glass Orchestra.

The class is indebted to Instructor Jacobson and his sophomore assistant for his illustrated lecture on Histology, Thursday evening, January 15th.

At a special meeting of the class on Tuesday, February 17th, it was unanimously voted to contribute one hundred dollars to the fund being raised to purchase basal metabolism apparatus for the physiological laboratory.

Continued on Page 27
Fraternities and Sororities

IOTA TAU SIGMA
The strain of mid-year examinations over, Delta ITS scattered to the four winds to seek consolation, sympathy, congratulations or whatever else was in order as an after-math to examinations, and to find a tonic with which to start a new semester.

We are all set now for the many extra-curricular activities about to be ushered in, such as track meet, theatre benefit, formal dances, year book considerations, etc.—mostly etc.

We hope to be also able to give due consideration to the curricular activities.

Brother J. Walter Larkins is at the gavel for this semester.

"Webby" Spaeth is serving as "grand old man" of the house. Everybody steps out and salutes at sight of "Baldy."

Brother Colburn is reported to have taken seriously Dr. Dufur’s commendation as to the substitute for common horse sense. It is said that he is trying to discover just how much a Ford can do.

Announcement was received of the marriage in December of Brother Dr. T. Paul Davis to Miss Elizabeth Harlan. We wish them a most happy married life and hope to see them frequently at social affairs of the Fraternity and of the College.

The few members of the Chapter in town on Sunday, January 4th, enjoyed a visit from Brother Couch, of Zeta Chapter and of Troy, Pa. We learned some points on technique.

A few hours were spent with Brother Gedney in reminiscences of the days he and Brother Couch spent together in Chicago.

PHI SIGMA GAMMA
With the mid-year examinations safely behind, the fraternity is now bending all its efforts toward the busiest part of the college year. Plans for the Rushing Season are certainly occupying our foremost thoughts.

On Monday, January 12th, Brother Dr. R. G. Gregory deserted his home and practice in that flourishing city of Wilmington to be with the boys again for an evening. After hearing this worthy physician speak of Delaware—its delightful climate, brotherly atmosphere, and its unimpeachable location, we are about convinced that the State which claims Wilmington-on-the-Delaware as its own, is by far the Osteopath’s Paradise. Far be it from us to deny this assertion—even though we know Pennsylvania leads all!

Brother Dr. Paul Lloyd, of the Obs. Department found time to leave a booming practice to be with the chapter one evening during the early part of February. His presence at the meeting naturally buoyed the younger members as did his talk on the worthwhileness of Osteopathy.

Dr. Galbreath has sent his appreciation of the Chapter’s gift toward renovating his eye, ear, nose and throat clinic. Here’s wishing him success in every way.

A very important event on the P. S. G. calendar is the annual dance. Steady progress has been made by the fellows on the various committees.

THETA PSI
Due to the heavy mid-year examination schedule, during the past few weeks, the activities of the Chapter have been at low ebb, but a strenuous program for the future has been outlined.

We were pleased to have as our guest and speaker on the evening of February 10th, Dr. Soden, who talked to us on the subject of technique.

The Chapter enjoyed hearing from Brother Arthur Mayer, who is touring the world, and is at present in Japan.

With “Rushing Season” not far distant, there is a pleasant outlook for some very enjoyable time. Theta Psi is bending every effort toward making it the best so far.

ATLAS CLUB
The Atlas Club wishes to congratulate the Sophomore Class on the production and success of its play, and the freshman Class upon the success of its dance held at the Hotel Adelphia. We wish “The Synapsis” Board of the Junior Class every success in the compilation and publication of the year book.

The Atlas Club Trophy was won this year by the Girls’ Swimming Team of the University of Pennsylvania.

Brother C. H. Muncie, internationally known finger surgeon, honored us by a recent visit and while here, demonstrated his technique to the local profession and students in the college am-
phitheatre. Atlas hopes for a return visit of Dr. Muncie in the near future and anticipates interesting and instructive lectures and demonstrations.

To Brother LeRoy we extend our heartiest thanks for his donation of fifty-two volumes to the Club Library.

Brothers Bashline and Rossman, of the famous Bashline-Rossman Osteopathic Hospital, at Grove City, Pa., recently had an unusual obstetrical case. Similar cases are said to have been observed only twice before in the annals of medical science. Twin boys, were joined together with a single torso, from the breast to the naval. The heads, arms and legs of the infants are perfectly formed and when born they were clasped in each others arms. Birth occurred through a Caesarian section. Out of gratitude to Brothers Bashline and Rossman, and because the life of the mother was saved, the parents of the infants consented to the giving of the twins for scientific purposes to the Smithsonian Institute at Washington, D. C. They will be placed in a hermetically sealed vat filled with alcohol, in the Osteopathic Division of the Institute.

Among the many activities of our field members, we are glad to note the formation of the First Osteopathic Post-Graduate Course by Brother Thorburn, President of the New York State Osteopathic Association, at the Waldorf-Astoria Hotel, N. Y. C., on January 29-30-31. We feel it a singular honor that two of our Brothers, namely: Drs. Chas. J. Muttart and Emanuel Jacobson, have been selected as two of the three lecturers for this course. The day is not far distant when we shall have the pleasure of Brother Thomas Thorburn’s presence at one of the Club’s functions, which will prove profitable, both socially and educationally.

LAMDBA OMICRON GAMMA

Lambda Omicron Gamma has enjoyed a pleasant and prosperous time during the past semester. During this time, the Fraternity had the privilege of hearing some very educational talks upon scientific Osteopathy. While a goodly portion of the semester’s program was devoted to hard work, yet several enjoyable smokers were held, which did much to show the class relationship of work and play. Arrangements are being made for some good times for the near future. Plans are now under way for further lectures upon scientific Osteopathy.

Lambda Omicron Gamma is looking forward to another interesting semester and wishes everyone success in his or her work.

Sororities

KAPPA PSI DELTA SORORITY

At our December Beneficiary Meeting, Dr. Flack spoke to us on “Professional Ethics.” There were many questions settled which had been long in our minds. This meeting gave us the opportunity of a little visit with Mrs. Flack, a pleasure which is ever welcome.

The Saturday following our return from our vacation at Christmas time, we had a party at Sister Muller’s home. After a regular feast we reverted to our childhood by playing games. This is the second party we have had at Sister Muller’s, and we are looking forward to the next with great expectation.

The dance given by the Sororities for the benefit of the Athletic Association was a success. We wish to thank everyone who co-operated with us for their help.

After Dr. Beeman, of New York City, finished his lecture at college, he gave us a lecture and a demonstration of Foot Technique.

On February 18th, Dr. Read, of Japan, a member of the first graduating class of this college, came and gave us an informal talk. She told us of her work, her social life in Japan and also very much about the earthquake and its effect on the cities of Tokio and Yokohoma. It is a rare occasion when we can get such a speaker. Dr. Read expects to return to Japan in May.

On February 17th, Sister Copp gave a dinner party for us in her home. Such a dinner! Following the dinner we went to see “Dixie to Broadway.”

AXIS CLUB NOTES

The Axis Club wishes to express its sympathy to a fellow student, Miss Helen Conway, and her family in their recent sorrow.

The next few months hold events which we hope will be instructive and diverting.

“To be or not to be?” are they saying as the Rushing Season ushers in a few days of concentrated interest. All success to the various organizations.

Axis is soon to have an evening with Dr. Edgar Drew, when he will give us a talk on the treatment of Tuberculosis and Rabies.

Our Spring calendar holds one particularly gay event—the ball at the Ritz, on April 3rd. Word has come to us that our Sorority Sis­ ter, Jane Forsman, on her way to her office fell on the ice and fractured both the tibia and fibula. However, we are encouraged with recent reports of her convalescence. We regret the untimely interruption in Dr. Forsman’s progressing practice.
Girl in a flivver,
Going like sin,
Let's go the wheel.
To powder her chin,
Good night nurse,
She's a has been.

FAMILIAR CROSSES
---Country.
Street ---ing.
Hot ---ing buns.
---eyed.
Grade ---ing.
---my palm with silver.
Cable ---ing.
---my heart.
Washington ---ing the Delaware.
---ing the bar.
---River.
---Judge.

Cattaneo.—Darn it, my hair won't comb at all, it's just like weeds.
Levitt.—Yes, weeds generally grow on a vacant lot.

First Small Boy.—Aw, dat's water: guess I knows water when I sees it, ain't my paw a milkman?
Second Small Boy.—Your neck's outa joint, dat's gas. I guess I knows gas when I sees it, ain't my dad a Bootlegger?

We're not saying all Philadelphians are dumb—but we did hear of one who was looking for the legs on a time table.

The bald-headed man who has to shave every day knows Nature doesn't order some things right.

SIGN ON THE BACK OF A FORD
My mind is made up but my constitution won't stand it!

HOW WONDERFUL

Doctor.—Well, and how did you find yourself this morning?
Patient.—Oh, I just opened my eyes, and there I was. —Intake.

STARS SEEN HERE THIS SEASON
1.—The Junior Class in the mob scene of "We'll Get You Yet," scoring a big hit.
2.—Thelma McGinnis in "Innocence Abroad."
3.—Tiny Hazelton in "Twin Beds." Imagine it.
4.—Butts Gillis and Dot Galbraith in "After All These Years." Now in its third year.
5.—C. Emerson Lindsey in "The Man Who Came Back."
6.—Bob Stollery and Ruth Wimart in "Ain't We The Cats," with the chorus of "I'll Say She Is."
7.—Jack Lindsay in the "Radio Man."
8.—Hatch as "Trotsky," Norris as "Lenin" in "The Uprising." Some show.

Newman.—Now do you all have that? Speaking of Lues.
Leavitt.—Yes, we have it—on paper.

One morning while looking out of the window in the direction of 19th and Spring Garden Streets, Sinsabaugh noticed a paperhanger, getting in a car, ready for work. Sinsabaugh suddenly exclaimed, "By Jove! if my eyes don't deceive me, there's our diplomas."

HE SERVED HIS INTERNSHIP
Dr. M. F. P———, Chiropractor, is now located in rooms 207-8 in the new hotel. Before taking up the practice of Chiropractic, Dr. P——— operated a cleaning and pressing establishment at 737 K——Ave.

—Health News.
Kuss—These modern girls are certainly all wool and a yard wide.
Kross—I’ll say they are! When a handsome man opens his arms, they are warranted not to shrink.

“What did she wear to the Opera?”
“I don’t know. I couldn’t see below the railing of her box.”

FAMOUS SAYINGS
If anybody else wants to talk, I’ll keep quiet.
Dr. B—
It terminates in the Thalamus, as it were.
Dr. R—
In my experience—
Dr. J—
I will now assign the lesson for the next time.
Dr. M—
Discuss the Transverse Sinuses.
Dr. E—
Raise your hand, Leeds.
Dr. M—
The minute you’re born, you’re dying, and the sooner you die the quicker you’re thru.
Dr. B—
He—Came near selling my shoes today.
Haw—How come?
Hee—Had them half-soled.

—Wesleyan Wasp.

Dum—How ya’ feeling?
Bell—Rotten.
Dum—Whassamatter?
Bell—Got insomnia.
Dum—How come?
Bell—Woke up twice in the Dean’s lecture this morning.

—Penn. State Froth.

A girl I love
Is Bessie Hoaves
She never pipes
‘Why ‘djeat those cloves?’
—Colgate Banter.

Quinine—If Minnie, in Indian, means water, what does Minnesota mean?
Arsenic—I’m sure I don’t know.
‘Sota Water, you poor thing.’
—California Pelican.

Kustomer—Give me a comb without pyorrhea.
Klerk—Whaddaya mean?
Kustomer—One whose teeth won’t fall out.
—Ohio Sun Dial.

“My intellect is my fortune.”
“Ah, well—Poverty isn’t a crime.”
—Der Brummer.

Fred (horseback riding)—Hey, you! don’t stop your car in front of my horse!
Paul—Don’t worry, I know the rules. Don’t park in front of a plug.
—The Dry Goods Economist.

“What are you crying for, my lad?”
‘Cause farver’s invented a new soap substitute, an’ every time a customer comes in I get washed as an advertisement.”
—Boston Transcript.

John—I just bought a new suit with two pairs of pants.
Jim—Well, how do you like it?
John—Fine, only it’s too hot wearing two pair.
—Novelty Bubble.

RELIGIOUS HANDICAP
Teacher—Now, Robert, what is a niche in a church?
Bobby—Why, it’s just the same as an itch anywhere else, only you can’t scratch it as well.
—Boston Transcript.

CAN IT?
Really, now if “Carnation Milk” comes from contented cows ought not “Pet Milk” to come from loving cows?

What could be worse than being a Kleptomaniac in a piano store?

A novel guy
Is Jerry Black
He borrowed five
And paid it back.
—Williams Purple Corn.

Lieut—Pick up the cadence!
Rook—Pick it up yourself—I didn’t drop it.
—Washington Columns.

The latest in cross-word puzzles, “You don’t see any flies on me, do you?”
“No, there are some things a fly won’t sit on.”
—Intake.
I love to hear the rooster crow;
He's like so many men I know
Who brag and bluster, ramp and shout.
And beat their manly chests without
One single thing to crow about.
(The Sample case.)

A QUESTIONABLE PARAGRAPH
Who knows.—
Which is the more important:
Is a man's wife or his clothes;
Who knows, Oh! Who knows?
Who knows,—
Where he dare appear,
A man without any clothes;
Who knows, Oh! Who knows?
But the man without his wife,
Who knows where he goes;
Who knows, OH! Who knows?

Have you ever met the fellow who says:—
"Never put off till tomorrow, that which should be done today."
Tell him how you would say it, that is:—
"Never think till tomorrow, of that which should be done today."
You may get him twisted so to say:—
"Never put off till tomorrow, that which should not be done today."
EVEN AS YOU AND I.

Hobo—Kind sir, have you a quarter to spare for a poor man?
Student—Go on across the street—I'm working this side.

"Porter, five dollars for another pitcher of ice water."
Sorry suh, but I takes any mo' ice dat corpse in de box car ain't going to keep."

Some good jobs for college graduates:
Calling out stations on an ocean liner.
Deck swabber on a submarine.
Chief linesman for the Wireless Telephone Company.
Stoker on an oil burner.
Selling electric fans to Esquimos.

Many a true word has been spoken between false teeth.

CHARLES WOLFE

WHOLESALE FRUITS AND VEGETABLES

PERSONAL ATTENTION TO TELEPHONE AND MAIL ORDERS FROM HOTELS, RESTAURANTS, CLUBS, INSTITUTIONS SHOPS, ETC.

DOCK AND CHANCELLOR STREETS
Philadelphia

Both Phones
A FABLE
Under the swinging street car strap
The homely co-ed stands;
And stands, and stands, and stands, and stands,
And stands, and stands, and stands.
* * *
X. Y. Z.

All the world's a stage and all the co-eds try
to be Salomes.
—Hogan's Alley.
* * *

Rishell—Where does Shaw go every morn-
ing so early?
Van de Sande—Down to the post office to
fill his fountain pen.
* * *

SCIENTIFIC DISCRETION
"What do you think of the theory of evolu-
tion?"
"What's the use of talking about it?" re-
joined Senator Sorghum. "It isn't going to
win a vote in my district, and you may hurt
the feelings of a friend."
—Washington Star.

Opportunity is the only knocker that ever
kept his friends.
—Don Marguis.

* * *

"Some vegetables surely are large."
"How so?"
"I've seen three or four policemen asleep on
a single beet."
—Black and Blue Jay.

* * *

"Must be hard to keep time on this steam-
ship."
"How is that?"
"Well, I heard the captain say he uses four
watches at night."
—Texas Ranger.

* * *

PHILANTHROPY
"I hear Jones left everything he had to an
Orphan Asylum."
"Is that so? What did he leave?"
"Twelve children."
—C. C., N. Y. Munsey.

Fine fabrics in unusually attrac-
tive patterns and colorings, Reed's
Standard of Tailoring and mod-
erate prices make Reed's Cloth-
ing especially desirable.
Suits, Top Coats, Overcoats
$35 and upward

JACOB REED’S SONS
1424-26 Chestnut St. Philadelphia
Patronize Our Advertisers
THE LOVE SONG OF A GERM

1
Come Bacillus let us wander,
Wander ever hand in hand,
Down that capillar y yonder,
Down that yonder shady gland,
Countless cousins will not miss you,
Happy in their own disease,
Tripping through the tender tissue
We shall work what ills we please.

2
Myriod Microbe relations
Have no claims upon you, dear
Leave them to their occupations
You deserve your own career,
Does the wanderlust possess you?
Ill indulge it, dearest germ
We shall roam to regions, bless you.
Named by no researcher’s term.

3
Camping in the mountain muscles,
Bathing in a quiet vein
Dodging vicious white corpuscles
Summering at Aches-le-Brain,
Gilding in a light gondola
On abdominal canals
Only fancy shall control a
Pair of perfect poison pals.

4
Slipping past the epiglottis
By the tonsils and the tongue
Travelling till the days have caught us
When we are no longer young
When our tastes become domestic
We shall search a quiet home
There to live and not to roam.

5
Come, Bacillus, my infection
Grows too potent to suppress
Quick, here comes your Aunty Toxin
Fly with me and tell me Yes?
—Contributed by Atlantic City.

** CROSS-WORD MOTHER GOOSE **

Hey diddle diddle, the feline quadruped and the musical instrument.
The bovine quadruped jumped over the heavenly body.
The small canine quadruped laughed to see such diversion, and the concave or hollow vessel ran away with the utensil having a shallow, ovoid bowl.

Girl’s name, girl’s name quite antagonistic,
How does your place set apart for the cultivation of plants increase in bulk by the process of organic life?
With white, ductile metallic hollow instruments for giving forth sound and rigid tegumentary structures of cardioid bivalves.
And pretty young unmarried women all in a rank.
Boy’s name and girl’s name went up the natural elevation of earth or rock.
To fetch a conical or cylindrical vessel of colorless liquid compound of hydrogen and oxygen.
Boy’s name descended suddenly by the force of gravity and fractured his skull
And girl’s name came falling violently and suddenly subsequently.

—“Gardie,” in N. Y. World.
MORE RESTFUL

"Is he a go-getter?"
"No, a have-it-brunger."
—Pittsburgh Post.

KEPT GOOD

"Did Liza Jane git a good man when she ma'ied down in Memph's?"
"Sho' did! Ma'ied him right outen de jail house. He didn't have no time t' git in no trouble."
—American Legion Weekly.

POETICALLY SPEAKING

Large numbers of Italian eggs are being imported into this country. We trust they are not the lays of Ancient Rome.
—London Humorist.

The Florida Times-Union thinks the inventor of cross-word puzzles and designer of women's clothes are in the same class. But there is more to the puzzles.
—Greenville, S. C., Piedmont.

Changing from mah jongg to cross-word puzzles is about like starting chewing tobacco so you can stop smoking.
—Pittsburgh Press.

UNPRETENTIOUS

The young married couple entered the furniture store. The young Hubby (bashfully)—We want to look at a bedroom suite for our new home.
The Clerk—Yes, sir. Do you want twin beds?
The young Wife (blushing)—Oh, heavens, No! Just a small cradle.
—Record.

YOUR EFFICIENCY!

WE INCREASE IT FOR YOU BY DAILY TESTS IN OUR COUNTRY AND CITY LABORATORIES, INSURING PURITY AND HEALTHFULNESS IN

ABBOTT'S "A" MILK

OUR labor-saving devices, op-to-date machinery and unusual assortment of new and artistic type faces enable us to produce the Class of Printing that has Individuality and Character and yet does not cost any more than ordinary printing.

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4 SOUTH MOLE STREET
(Below Market, West of 15th St.)

Bell Phone Rittenhouse 6316

Mention the "Axone" When Patronizing Our Advertisers
“My rival is always taking my part.”
“Well you can’t kick about that.”
“Yes I can. I’m an actor.”
—Hamilton Royal Gaboon.

He—Say kid, would you like to see something swell?
She—Oh yes.
He—You just drop these beans in water and watch them.
—Carnegie Puppet.

SECOND MAN WINS
Hotel Clerk—Why, how did you get here?
Hard Egg—I just blew in from Montana with a bunch of cattle.
Hotel Clerk—Well, where are the rest of them?
Hard Egg—Down at the stockade. I ain’t as particular as they are.

Old lady (to man who had just had both legs amputated)—“How are you today, my good man?”
“Oh, I guess I can’t kick.”
—Washington Cougar’s Paw.

“Osteopaths ought to make good critics.”
“Why?”
“They’re always rubbing it in.”
—Texas Ranger.

“Bill, I saw some of your people over in mill town this afternoon.”
“How did you know they were my people?”
“One of them tried to bum a match off me.”
—Carolina Buccaneer.

Grandmother—Johnny, I wouldn’t slide down those stairs!
Little Boy—Wouldn’t? Hell, you couldn’t!
—Lafayette Lyre.

Eat At
DAVIDSON’S
Home-Cooking A Specialty
OPEN ALL NIGHT
2028-30 Fairmount Avenue

Advertisers Seldom Fail: Failures Seldom Advertise
EPHRAIM'S KISS
De doctah says, "Avoid de kiss.
Dat it am ful' ob bugs.
An' dat yu coutin' days must be
Jes' honey talk an' hugs.
Dat doctah man must be a fool,
De wust I've eber seen:
A fellah's nothin' but a mule
Dat wouldn't kiss his queen.
An' if a kiss am ful' ob bugs,
De kind dat youh can't see,
Jes' cum right 'long, mah honey bunch.
An' feed youh bugs to me.
—Irving W. Underhill
Blind Verse Writer.

SANITARY NO END
Doctor—Have you taken every precaution
to prevent the spread of contagion in your
family?
Rastus—Absolutely, doctah. We've done
bought a sanitary cup an' am all drinkin' from
it."
—The Baptist.

DEADLY ALL ROUND
"Is it true, doctor," asked the gushing young
lady, "that you are a lady killer?"
"Madam," replied the doctor, "I make no
distinction between the sexes."
—The Continent (Chicago).

IF THERE'S A CAR LONG ENOUGH
In Switzerland an engine has been invented
called the "hochdruckkandensationsdampfloko-
motive." In this country they'd hang a name
like that on a Pullman car.
—Life.

One of the this country's greatest needs at
the present is a cross-word puzzle with rivers
in it other than the Nile and the Po.
—Norristown Times Herald.

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adrenalin, we incline to the belief that it affects the muscles only in such a way as to delay fatigue, rather than to cause the immediate augmentation of the normal available intensity of muscular contractions. This is to say that the effect of an extra secretion of adrenalin would seem to be to promote endurance rather than to provide for the immediate expenditure of extraordinary muscular power.

In the case of immediate availability of extraordinary muscular power, we believe that under stress of extreme emotions and pathologically in insanities the normal inhibitions of the higher volitional cerebral centers are removed. This allows a more widespread and intense activity of the cerebral motor centers, which are therefore enabled to affect a maximum number of neuromuscular units, by reason of the excessive amount of stimulation released. It is generally conceded that in the case of the higher cerebral centers the process of inhibition at least equals and may possibly outweigh that of stimulation. Such being the case we infer that many stimuli from external sources have potentialities for much more intense muscular responses than actually occur. The reason for the lessened response is found in the neutralization of a portion of the stimulus by the normal inhibitory processes of the higher cerebral centers. Therefore it is easy to recognize the relation between cerebral pathology and increased muscular responses to ordinary stimuli.

MUSCLE TONE

The Lucas Theory of the neuromuscular unit can be further applied to offer a logical explanation of the production of muscle tone, both normal and the abnormal tonus, called contractures. Gould defines TONE as the normal state of tension of a part. We might amplify that definition by saying that "tone is the..."
normal state of tension upon the tendons of a muscle during the state of mechanical rest of the joint or structure operated by the muscle." Since we admit the constancy of this tension under normal conditions, we realize that there must be some sort of continual contractions of the muscles. The question then arises, "Is this continuous tension due to a minute constant contraction of the entire number of fibers composing the muscle, or is it due to some other process?" Up until recently this theory of continuous minute contraction of the entire muscle mass was the accepted theory. However, in the light of more recent knowledge it becomes increasingly difficult to believe that an individual muscle fiber ever contracts except in a maximum degree, and we therefore find the theory just mentioned almost untenable.

If we substitute Lucas' Theory of the neuromuscular unit, we find that it fits in very well with known facts and offers a logical explanation of other conditions heretofore only suspected. Most authorities agree that tone is a reflex condition which is the ultimate result of the constant reception on the body surfaces of a stream of slight stimuli caused by minor environmental changes. These latter would be such changes as slight temperature variations, pressure of clothing, variations of illumination, etc. As these stimuli are of slight intensity, according to the theory of gradation of responses as explained earlier, they would affect

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only a few neuromuscular units simultaneously. The total energy put forth by these few units would be equal to the tension on the tendons which we know as tone. Since the stimuli just mentioned are received in a continuous stream, group after group of neuromuscular units composing the various muscles would be stimulated until every fiber had successively contracted and relaxed, after which the cycle would be repeated. This would provide a continuous flow of small amounts of power which would have the effect of a constant tension on the muscle tendons. According to this theory muscle tonus would be the result of a series of overlapping, successive maximum contractions of small groups of muscle fibers producing a continuous flow of a small amount of power, instead of a continuous simultaneous minimum contraction of the total number of fibers composing the various muscles. We have here one comparatively simple and logical theory covering two phases of muscle action instead of a number of cumbersome and ambiguous theories formerly used to explain the same conditions. We might call this "The Theory of Fractional Response of Muscles."

Muscular contractions of sufficient intensity to produce apparent work would differ from tonus only in the greater number of neuromuscular units stimulated simultaneously.

"Why not wait until it's completed?" asked Unus.

Mrs. Leighton gained the floor by inquiring about the latest movies. Deux slowly re-pocketed his papers and returned to the main business of the hour—eating.

"Some of the profs at this school have as many degrees after their names as Heinz has pickles," observed the bright Frosh, cutting a pickle.

"And any variety, you'll learn," said Deux, "sweet, sour, naturally or artificially colored and flavored. It is shameful how indiscriminating the average person is. Just last evening we were talking—"

"Now cut out the philosophy," said someone, poking a deck of cigarettes under his nose. "Dinner's over—no heavy talk now for an hour."

So ended the first dinner of the fourth year.
ALUMNI NOTES

We are interested to note that two of our recent graduates have written articles for the A. O. A. Journal. Dr. Donald Thorburn's article dwelt with clinical diagnosis and Dr. Howard Herdeg's with nephritis.

Dr. Emerson Lindsay is pursuing a P. G. course at P. C. O. this semester.

Dr. Arthur Winert has moved from Allentown, Pa., to Lehighton, Pa.

Dr. Ralph Champion and Dr. George Van Riper have been recent visitors at the college.

The recent appeal made for books to build a new college library has met with gratifying results.

The AXONE thanks Dr. Elsie A. Oswald for the gift of a number of past issues to help complete our files.

Several numbers of the first volume, which we hope some other interested alumnus will dig up and send us, are still needed.

On Saturday, December 20th, Dr. Thomas Paul Davis, '23, and Miss Elizabeth Harlan were married at the bride's home in Philadelphia. Dr. Davis is now established in Albany, N. Y.

A free Osteopathic Orthopedic Clinic was held at the office of Dr. Ira W. Drew, Pediatrician, Saturday, January 17th and January 31st. Cases of spinal curvature, infantile paralysis, dislocation of the hip and rheumatoid arthritis were examined, diagnosed and the treatment suggested. The object of this clinic is to suggest the osteopathic non-surgical treatment of orthopedic cases.

Dr. Elizabeth Maxwell has opened an office in Williamsport, Pa. During the past summer Dr. Maxwell took over the practice of Dr. Marion Howe Wilder, of Fitchburg, Mass.

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MARCH

Wild wind and merry;
Blossom on the plum.
Leaves upon the cherry,
And one swallow come.

Red windy dawn,
Swift rain and sunny;
Wild bees seeking honey,
Crocus on the lawn;
Blossom on the plum.

Grass begins to grow,
Dandelions come;
Snowdrops haste to go
After last month's snow;
Rough winds beat and blow,
Blossom on the plum.

—Nora Hopper,
—Home Book of Verse.
THE COLLEGE LIBRARY

Our hopes are being realized in the establishment of a library to which students may have recourse to complete answers covering innumerable phases of Osteopathy—its principles and practice.

An earnest appeal for books was broadcasted to the alumni by the Library Committee of the faculty. Like Micaubaer, philosophy was chiefly our support. The following morning the 'phone bell tingled. Cheerily over the wires came an offer from Dr. Tinges, a member of the faculty, of 43 volumes—truly a noble start! To this number Dr. Lillian Bentley added 23 more and we then boasted of the unhallowed start. The library movement then gained impetus with a donation of half-a-dozen books from Dr. George Washington Moore and an unusual contribution came to us from Dr. John Cahalan in the form of ten years' files of the American Osteopathic Journal. Dr. James C. Snyder and Dr. C. Paul Snyder then looked over their valuable collection and contributed 20 books to swell the list, to which Dr. William Otis Galbreath responded by promising a generous number from his private library. Seeing these unprecedented and immediate returns, Dean Holden contributed a set of Encyclopaedia.

The books came in so fast that we requested Miss Ramsey to devise some sort of library tabulation. She immediately put into effect the Dewey Decimal System, the method employed by all public libraries. This tangible evidence of proper organization led the Kappa Psi Delta to entrust us with the books that heretofore had been the property of the sorority. The spirit of cooperation extended to individual students, Isadore Grossman giving us several splendidly-bound volumes and Grace Clarkson six books which she had solicited from Dr. Gleason and other osteopathic physicians while in Massachusetts for the Christmas holidays. Further evidence of college spirit was evinced by the activity of Mr. Cook, of the Sophomore Class, and Mr. Hawkinson, of the Junior Class, who worked long after school hours in collecting the numerous gifts of books from outside sources.

At this writing we already have over 200 volumes and we expect as many more during the coming month. Such an auspicious beginning augurs well for a most substantial library which will be a credit to the progress being made in connection with other departments of the college—particularly our laboratories.

All that remains to make the library an operative one is the necessity of bookcases and, as a solution of the problem, the Dean has suggested that shelves be built inside the college office so the students, by means of a card, may have ready access to books which they may take to their rooms for a limited time. Inasmuch as many of the books donated are ones that have been recommended by the professors for outside reading, it is believed that...
more intensive studying will result. The greatest benefit, however, will be the opportunity afforded students—particularly Seniors, to specialize in such subjects as make the greatest appeal to them. Research work will be made further possible by a Periodical Department with classified clippings regarding osteopathic topics.

In conclusion there are just three words I wish to utter—books, books, books! There is a crying need for all kinds but particularly ones on chemistry, physics and the biologic sciences to aid students who were ill prepared in science as part of their preliminary education. Individual-ly and collectively you are invited to join the cause!


A WHITE IRIS

Tall and clothed in samite,
Chaste and pure,
In smooth armor—
Your head held high
In its helmet
Of silver:
Jean D’Arc riding
Among the sword blades!
Has spring for you
Wrought visions.
As it did for her
In a garden?
—Pauline B. Barrington in “New Voices.”

SONG OF THE SOWER

(From Contemporary Verse)
He shall never be alone
Who is brother to a stone;
Who is sister to a tree
Shall have pleasant company.
He shall wait with holy pride
Who has made a field his bride:
Who has scattered seeds afar
Shall bold converse with a star.

—Vivian Yeiser Laramore.

SOMETIMES

Across the fields of yesterday
He sometimes comes to me,
A little lad just back from play—
The lad I used to be.

And yet he smiles so wistfully
Once he has crept within.
I wonder if he hopes to see
The man I might have been.

—Thomas S. Jones, Jr.,
(From The Rose-Jar)

The wages of sin is publicity.—James Melvin Lee.
COLD

The Ark sprang a leak when the storm was the worst.
The Monkey, observing the accident first,
Inserted his tail through the break in the wood,
Averting the danger as long as he could.

But cold was the water and cold was the blast:
The Monkey was forced to give over at last,
Withdrawing the tail, which, young Monkeys are told,
Because of his gallantry always is cold.

The Dog to the peril sublimely arose,
Defending the breach with a resolute nose,
Till, even too frigid to bark at a cat.
He sank with a frostbitten muzzle; and that is why, as all friends of the Dog, understand,
His nose is so cold on the back of your hand.

They aroused Mrs. Noah with cries of alarm.
She plugged up the hole with a lily-white arm;
But cold grew the brine as a Logical Fact,
Obliging the skipper's good mate to retract
A limb so enduringly frigid, that still
The feminine elbow is pointedly chill.

Now came Captain Noah; 'twas time that he came,
For big was the aperature, wide was the same.
And bigger and broader and wider it grew,
And Noah sat down where the water surged through.

He sat while his cattle ship wallowed and luffed.
Where porpoises gamboled or grampus puffed.
He sat through the tempest when billows ran high.
And navies of icebergs rode glittering by.
Through all of the cruise he enduringly sat.
Until the Ark grounded on Mount Ararat.
He sat in the wet—so you needn't inquire
Why Men always stand with their backs to the fire.

—Arthur Guiterman
in Saturday Evening Post.

Life is a long lesson in humility.—James Barrie.
CROSS-WORD PUZZLE No. 1
By Orrin G. Copp, '27

Horizontal.
1. A loop.
5. The Ultimate unit of an element.
10. A position of the foetus.
12. A wing.
13. An element (symb.).
15. A degree not liked by osteopaths.
17. The transmitted germ of a character.
19. Gelatine (ab.).
23. Wrist-drop.
24. The concrete juice of certain plants.
25. Used to identify babies in hospital.
27. A fraternity.
29. Bone.
32. Reverberated sounds.
33. Helium (ab.).
34. Sickness.
36. Pillula, pill (ab.).
37. A greasy fluid.
38. Sour.
39. Inner bark of exogenous plants.

Vertical.
1. A portion of the foot.
3. A shiny metal (ab.).
4. Relating to a school of healing.
6. Operation on nose and throat ( slang ).
7. Semibreve.
8. The fleshy aril of nutmeg.
10. Part of the lower extremity.
11. English for stylus.
16. Fluid constituent of the blood.
18. Toward the center.
19. Instrument to prevent jaws closing.
20. Ligamentum, Palpebral Mediale (ab.).
21. The larva of certain flies.
22. A cardiac stimulant (ab.).
26. A synonym of ulcerative stomatitis.
27. Symbols of three elements.
28. Solution (ab.).
29. A zone.
33. Belonging to him.
35. An element (ab.).
37. Osteopathic Association (ab.).

(Solution will be posted on the AXONE Bulletin Board next week)

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EDGAR O. HOLDEN, A.B., D.O.
Dean

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