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of the Kappa Psi Pharmaceutical Fraternity

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Dr. Reeder has served K Ψ as an officer for over twenty-five years. The Fraternity sincerely appreciates his long and valuable services.

THE MASK

of the Kappa Psi Pharmaceutical Fraternity

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ONE DROP OF BLOOD*

BY IVOR GRIFFITH, PH.M., PHAR.D., *Eta*†

The story of one drop of blood is the story of life. This is a story that has never yet been told. It is a story that man will never be able to tell. A physician of the old school told a group of us open-mouthed youngsters of his Sunday School class that he was in fear lest some blundering scientific idiot should come upon the secret of life some day, and so bring upon the human race the wrath of a Creator whose most precious device and invention had been understood by a mere creation called man.

Physicians and scientists of the new and so-called advanced schools think not in this respect, for in our newspapers of a few days ago we read of a man named Carrel who, in his search for his philosopher's stone, has known how to keep a fragment of a chicken embryonic heart growing and thriving in an artificial atmosphere. Alexis Carrel, this wonderful man of science, is quite able with his invigorating and life-sustaining media,

to cause this fragment of embryonic tissue to add cell after cell to its structure, and so rapidly that daily portions must be dissected off, so that the tissue growth does not overflow its container. But each cell that divides and gives to the tissue, only adds to Carrel's dilemma.

As the cells multiply, so do the troubles of Carrel, and the distance to a discernment of the secret of life becomes proportionately further. The secret of life lies not in its promotion and furtherance and sustenance, but rather in its origin. Whence comes this subtle thing called life—not what is Death's antidote? Our old physician Sunday School



DR. IVOR GRIFFITH, *Eta*

* One of a series of Popular Lectures, given at the Philadelphia College of Pharmacy and Science.

† Department of Theoretical Pharmacy, Philadelphia College of Pharmacy and Science.

preceptor was old fashioned enough to teach us that this latter has been man's to own since a gray morning in Nazareth.

And so we say that the story of life is the story of a drop of blood, yea the story of one blood cell. Thus do we also apologize for the seeming disconnection of our presentation and for its incompleteness.

To present a subject such as this popularly, we are told that we must sacrifice facts and offer, instead, a collection of easily digested and tastier morsels. To refrain, as it were, from the meat of the subject and serve the less nutritious but more salubrious and assimilable delicatessen. And so to the front counter.

In order to have semblance of regularity to our discourse we ask you to accept these landmarks and to allow us thus to divide your consideration of this topic:

Physical characteristics.

Chemical characteristics.

Microscopic characteristics.

We also ask you to consider the blood of which we speak as human blood, unless otherwise stated.

Like every good preacher, we faithfully expect to wander from our text with regularity, and carry you with us to fields quite remote from these infenced pastures. We speak of one drop of blood in the title. It is of blood regardless of volume that we speak throughout the lecture. What does the dictionary say of blood? "Blood is the fluid which circulates in the arteries and veins of an animal." So answers one with brevity and conciseness. But what of its nature and its functions?

Blood is a tissue, an organ of the body, quite as distinct as the liver or the heart or a muscle. It is a wandering tissue so important to the economy that it can never stay long in one place, but must unceasingly travel through its sinewy canals to perform its endless obligations. It is the most vital tissue in the body.

The blood is the military establishment of the Kingdom of Animal—and it is a military establishment that is perfect in every detail as long as health rules. The realm of Wilhelm with its military perfection boasted of no system such as we have in this fluid army.

Consider it a while. Its purely defensive and aggressive organization, its Militia, its National Guard, its Home Defense Corps—and hosts of white cells ever ready for attack—its Service of Supply—the red cells everlastingly carrying the oxygenated munitions and the simplified protein molecules to the organs needing them, and conveying back the unwholesome gaseous material that the tissues of which wish to be rid.

The Quartermaster's Department—the serum with its hidden hormones, its endless enzymes, its aggressive agglutins, its limpid lysins, its opened-eyed opsonins, its fighting antitoxins—ever ready to deliver these agencies wherever needed. Its Intelligence Department, so reliable that a pin prick on the finger tip is sufficient impulse to have a detail of

leukocytic scouts there in two minutes, to survey the ground and offer resistance to infection if necessary.

The Sanitary Corps—the serum again that conducts to the kidneys and thence to excretion—the various poisons and wastes that are eliminated by tired organs, and by over-exercised muscles. Its Medical Department with its commissioned Pharmacy Corps that is always responsive to emergency. Let the liver get torpid and sluggish through its owner's indiscretions, and the message is carried on a trunk nerve to headquarters. Comes a call for calomel. Ten one-tenths and into the stomach it goes, to find the first aid department of the blood stream ready to convey it while the pharmacy corps prepares it, so that by the time it reaches the torpid liver it is in the precise form for the exercise of its duties.

Then again its Engineering Corps. A staphylococcus, with an impertinent turn of mind, alights on a professor's collar. The collar made by Dupont is too slippery to suit it, so the naughty germ jumps over to the skin on the back of the neck. Now the staphylococcus is a mean germ, and its meanness is accentuated by its multiplication factor. Given one staphylococcus in a suitable environment, and by the next day the one becomes a million. Now this particular staphylococcus on the professor's neck ambles over to an intracellular air space and proceeds therewith to multiply. With its multiplication comes arrogance and it becomes conceited enough to establish a permanent home for old and indigent staphylococci. For once the intelligence department of the blood has been derelict in its responsibilities, and before a message of succor reaches the commander of the white cell army, the staphylococci have been able to entrench themselves securely, and to offer formidable opposition. But at last the battle summons reaches the white cell host, and from every direction they stream in endless array to the conflict. The battle of the Boil begins in earnest, and the patient professor suffers in agony while the turmoil of war goes on unceasingly.

Here, perhaps, a squadron of germs hard presses a battalion of white cells, but on the left the bugs are falling back and the phagocytic cells wreck havoc among them. The tide of battle sways. Meantime the boil, so called, swells and matures to a livid yellow mountain, and the professor wears a silken collar. No chemistry for the boys today, and the boys, as boys will, wish luck to the pestiferous parasites.

But wait—what goes on beyond the field of battle? Why is it confined to the neck—that body Belgium. Ah! but what of that engineering corps of the fighting blood. Back of the field of battle they are there valiantly working, and their allotted task is the building of a wall which shall confine the onslaught to a certain area and stay its poisons out of the body proper. If the white cell engineers succeed in building the fort, the blood stream keeps wholesome and uncontaminated. If the engineering corps fails in its work, there comes what we call Blood Poison. The germs victoriously enter the sacred system and through

the portals of bacteremia, septicemia and pyemia comes the dreaded spectre of Death and Dissolution. But happily this is very seldom the case for the Engineering Corps is usually very efficient. The abscess is completely walled off, and the staphylococccic host is denied its sustenance, starvation and decimation thin their serried ranks, the boil bursts, a tribute to the ingenuity of the sappers and miners of the blood stream. I'll grant you that in this terrific battle much sacrifice is made, for millions upon millions of the killed white cells are the penalty which the body pays for its safety. The bursting of the boil is the signal of victory. Presently this staphylococccic Waterloo is only marred with a ragged scar, and the neck once more enjoys the placidness and peace that knows only the disturbance of a crinkled wash rag or a serrate linen collar. The beloved professor once more faces his class and without a rigid neck.

Thus it is that the manifold duties of this martial tissue of the Kingdom of Animal keep it ever on the alert. Even in days of peace do we find the corps of engineers busy. An accident befalls the host. A finger or a hand is amputated. Blood canals are severed from the body, and who shall build new channels for the fluid's passage? The hand is amputated at the wrist. And will the severed artery spout blood and impoverish the system and bring it to its destruction? No, for the surgeon ligates the veins and arteries, seals their ends as it were. But this does not, we must remember, make for circulation. So promptly the engineers of the blood, the physiologist's wandering cells, commence to build communications so that the network of military routes shall be re-established and that the nourishment of the stump may be sustained and made accessible to the throbbing stream of blood. The surgeons and anatomists call this anastomosis. We call it an engineering feat—emergency pontoons so constructed that they last a lifetime.

How seldom we pause to give thought to some of the processes which daily occur in our lives. How little we seek to know of the pleasure that comes with understanding something of these commonplace things of life. A fairly deep cut into our flesh, and out gushes the crimson stream. But promptly the gush modifies to an ooze, and, almost unnoticed, the dripping ceases and the cut is tightly soldered. Why did not the flow continue, and what providential agent came to stop the leak? It is the plumbers of the blood stream, who, for plumbers, are fairly prompt and seldom fail to come when we call them—and the plumbers of the blood stream never have to go back home for forgotten tools.

There are a few unfortunates, however, in whom the plumbers are lacking. Such persons are known as hemophiliacs, and are dangerous operative risks. The mechanism of coagulation is not definitely known although certain hypothetical theories are generally accepted. Most prominent is that of Jules Bordet, who states that elements from the blood serum, which he collectively calls serozyme, as well as from the

cells and platelets which he denominates cytozyme, unite to form a substance called thrombin, which, in turn, unites with the fibrinogen of the plasma to form fibrin or the clot. Contact of the blood cells with tissue and the presence of calcium hasten the union of the serozyyme and cytozyme to form the thrombin. Coagulation normally occurs in four to eight minutes. Clotting is more where pressure is exerted on the puncture or cut, so that the technician, in testing for this factor, must avoid any undue pressure but rather let the blood flow of its own accord. This is why some workers prefer to withdraw blood directly from the vein instead of by puncture.

There are certain artificial blood coagulants that promote clotting of the blood. Chief among these is the kephalin type, usually a tissue extract (calves' brains).

The determination of the coagulation time of blood is part of laboratory procedure, and is done in many ways, none of them accurate in the strict sense of the word. Sufferers from jaundice show a high coagulation time. For certain purposes, notably in blood chemistry, it is desirable to prevent blood clotting *in vitro*. This may be accomplished by directly receiving the blood into a one per cent solution of sodium citrate or fluoride, powdered or dissolved oxalates. The chemistry involved here is that these substances precipitate and render inert the calcium salts which are so essential to coagulation.

The average healthy adult carries on his or her person quite a burden of blood. This tissue represents approximately one-twelfth to one-fourteenth the weight of the body. Blood volume varies, however, even in health, and that is one reason why hematological laboratory findings are never actually reliable unless calculated from the arbitrary cubic millimeter unit to the actual volume content, which is obtainable by certain physical methods. However, for usual clinical observation, blood volume is disregarded. Thus a person weighing 120 to 140 pounds has a blood content of about ten pints or as much blood as might be contained in five quart milk bottles; rather a formidable figure when we think of it in this way. With this knowledge we must bear in mind that when we desire to emphasize the seriousness of an operation à la Irvin Cobb, we must no longer quote the doctor's "Oh, you lost a whole pint of blood," but rather let us say: "Dear me, I lost almost a gallon of blood." That sounds more like a hospital anyway.

Also we need not disbelieve the blood donor who boasts of having furnished, at odd times and for adequate compensation, a pint or two of blood for transfusion to an anæmic patient.

Incidentally, let me make you acquainted with a new American profession: namely, that of the peripatetic donor of blood. He is the man, generally in his twenties, when the ratio between blood and sense is at its ebb, who leaves his name and address with every hospital laboratory, who will furnish for transfusion a pint or a quart of blood once every two

weeks. This may seem unbelievable, but we know of many such persons who render this service quite regularly for a time, and so obtain their living. Moreover, it has been our observation that this continuous depletion of the stream of vitality always leaves its impress behind on the donor, or rather the seller, of blood, for, although nature replenishes the quantity of blood each time the blood is used, it is well known that the quality of the blood is impoverished in a great many respects.

I have refrained from mentioning the fact that transfusion of blood from one person to another is not to be done empirically, for the reason that incompatibility may exist between donor and recipient. Preliminary tests are made on both in order to establish their types and to preclude the possibility of mixing inharmonious bloods. The nature of these tests and the various theories in regard to grouping of bloods are too broad and far-reaching to be discussed here.

Physically, blood is composed of four types of basic elements held in suspension in a liquid called the blood plasma. These four form elements are the red corpuscles (which the pedantic call erythrocytes), the white corpuscles called leukocytes, the blood platelets and the so-called blood dust or hæmoconien. These substances represent from forty to sixty per cent by weight of healthy human blood, and the serum or plasma represents the rest.

Ordinarily, blood is a dark, red opaque fluid, due to the red corpuscles. Through the action of certain agents, however, it may be rendered transparent. Water, ether and certain bacteria are capable of doing this, and blood so altered was formerly said to be laked. Now we use a more high-sounding term, hemolysis, and the agents are said to be hæmolytic agents.

Hemolysis simply means a disruption of the red cells with the liberation of the pigment hemoglobin which they contain.

The specific gravity of blood varies between 1.045 and 1.075. This may account for the old line that blood is thicker than water. Oddly enough, it varies with sex, the blood of males having a higher density than the blood of females of the same species. In sickness this factor often changes to a marked extent, and, according to the poets, with advancing age, for Shakespeare says that

"The hairs on his brow were silver white,
And his *blood was thin and old*,"

although correctly this really refers more to viscosity than to specific gravity.

The reaction of the blood, formerly held to be distinctly alkaline, is now stated to be neutral, with an infinitesimal leaning to the alkaline side, and this only because the combining power for acids is greater than it is for alkalis. One authority states that, "Our blood has a remarkable capacity to preserve its normal slight degree of alkalinity, to escape at the same time the *Scylla* of hyperacidity and the *Charybdis*

of excessive alkalinity. This wonderful capacity for self-adjustment and preservation of its optimum conditions for the purposes of life is a typical instance of the innumerable fine mechanisms of self-adjustment in the body, all aimed at maintaining the most favorable environment for the functioning and preservation of life—self-adjusting mechanisms which, in fact, comprise for the scientific investigator the most impressive points of difference between living organisms and the lifeless world. And yet this remarkable power of the blood to maintain its normal alkalinity has been elucidated in a very complete way (especially by L. Henderson, of Harvard University) by the application of simple principles of physical chemistry to the study of the composition of the blood: There are chemical 'buffers' present, which act chemically to preserve neutrality exactly as powerful springs act as mechanical buffers to minimize the shock of impact to fast moving bodies."

Blood serum, or the liquid portion which separates when blood is allowed to stand, contains a number of complex organic substances as well as a few inorganic salts. These substances consist of almost eight per cent of its weight. Of the organic substances, fibrinogen, referred to under coagulation, is the most important; and of the inorganic, sodium chloride, sodium bicarbonate and certain phosphates are the most important. These salts are very important elements in the make-up of the blood, and play pivotal positions in the functioning of that tissue; for instance, were it not for them the corpuscular elements would swell and disrupt.

Their function as buffer substances in regulating the action of the blood is fairly well known today, although there is much about this mechanism that is not known. May I suggest rather a far-fetched query at this time just to show how peculiarly the blood enters into the body working? Why do we puff after strenuous exercise? Here is the accepted answer. The respiratory center (the lungs, etc.) is extremely sensitive to the minutest alteration in the reaction of the blood toward the acid side. Now muscular exercise produces in the blood and tissue a slight increase of carbon dioxide, which is acid in its nature. Increased ventilation of the lungs, however, removes this carbon dioxide, thereby bringing the reaction of the blood back to normal. Increased ventilation is simply another name for puffing. There is much more that could be said about these peculiar and interesting blood functions, but it would only be at the expense of overlooking some facts which may be more basic and elemental.

As was stated, the color of normal blood is due to presence of hemoglobin in the red cells. In arterial blood this albuminous substance is in combination with oxygen and is here termed oxyhæmoglobin; hence, the scarlet blood of the arteries. In the venous blood there is both hemoglobin and oxyhæmoglobin, this accounting for the bluish color of venous blood. Blood color changes with certain diseases, such as scurvy, etc., but more so in the wake of poisonous substances. Coal

gas or illuminating gas containing carbon monoxide change the color to a vivid red, due to the formation of carbo-oxyhæmoglobin.

With potassium chlorate, aniline, hydrocyanic acid and certain other agents, the color becomes a murky red to a chocolate. Certain of the coal tar derivatives also possess the power of destroying the red blood corpuscles. This accounts for the livid color of headache powder dopes, and acetanilide habitués. In extreme cases of leukemia it becomes milky, due to the presence of a vastly increased amount of white cells. Of hemoglobin we shall have more to state later on.

Of the chemical aspects of blood, the medico-legal aspect is probably the most interesting. The decision in many a murder mystery has hinged upon the positive identification of blood stains. These forensic problems are particularly difficult to solve where a stubborn jury is to be convinced that the blood stain upon the axe or the hatchet or hat pin or what not is human blood and not animal blood. Annals of the courts often record such cases. In a Camden court some years ago, we are told that such a case was tried, and the prosecution, for safety's sake, had brought to court all of the chemical paraphernalia surrounded by a chemist, so that the jury could be shown and be convinced that the stains in question actually were human and not goat blood, as the defense claimed. Unfortunately, the chemist being human, could not stand the concentrated stare of a dozen jabbering Jersey jurists and in his excitement he got things a bit mixed, so that the outcome of the test apparently proved that the stains were neither human nor goat blood. The case was thrown out of court—so was the chemist. But of course strange things do happen in Camden.

Another story recently appearing in a fiction magazine tells how a murderer's identity as an Australian was established by the ability of a physiologic chemist to prove that certain stains upon the handle of the murder weapon were kangaroo blood, and the blade stains were human or the victim's blood.

Of the forensic tests for establishing the identity of human blood the most certain is probably the physiological precipitation test. This test is based upon a fact well established in serum pathology. It has been proven that the serum of an animal injected with blood or blood serum of another animal, shows the property when added to an homologous serum of precipitating the protein of this serum as a light, feathery precipitate. This is a specific reaction indirectly similar to the Wassermann test. Thus if we inject a rabbit with human blood at certain intervals, the serum from the blood of the rabbit will afterwards have the property of precipitating the albumin from a suspension or solution of human blood, and will not precipitate goat's, camel's, or other blood. The one fallacy (and let Darwin disciples in the audience gloat over this) is that the blood of anthropoid apes acts exactly the same as human blood. However, that element may be usually excluded, and the law now recognizes this test when positive, as reliable in differen-

tiating human blood from that of domestic animals. Strictly chemical tests, but not at all specific, are the guaiac or benzidine tests, which are used as routine tests in the laboratory for the detection of occult blood.

Another test, known as the Teichmann test, has for its end result the separation of hæmin crystals from the blood. The spectroscope is often used in the detection of blood, but its value is limited. While we have not carefully considered the chemical aspect of blood, we must not pass by without mentioning one blood constituent that has ever been the hallelujah chorus of the patent medicine man, and the oft recurring singsong of the nervous, thin-blooded patient. We refer to iron. Witness the pages of a Philadelphia newspaper which nearly everybody reads, and in huge captions a quack medicine advertisement advises us when weak and run down to eat a certain brand of iron pills, the same identical brand that Willard fed upon when he floored Jack Johnson. Oddly enough, when Dempsey later floored Willard, the advertisement gave Dempsey credit for eating their pills. Then, again, comes a California group of fruit growers with the startling discovery that it is the iron in raisins that makes them worth while as a tonic, and the suburbanite is glad to find a logical pretext for carrying home the five pounds of raisins for which his formulas call.

As a matter of fact, there is very little iron present in the entire blood volume. One might approximately state that there is just about sufficient iron to constitute the bulk of two small carpet tacks (or about 35 grains).

This does not infer, however, that a diet of tacks would be in any way beneficial although, except for traumatic consideration, it is quite conceivable that the self-diagnosed anæmic person would benefit quite as much by swallowing the tacks as by swallowing a bucket full of some of the patent forms of iron sold as blood purifiers and builders. When the blood needs iron, and it sometimes does, the best way to bring the two together is now alleged to be by the hypodermic injection of assimilable iron compounds. It is known, however, that certain forms of iron taken into the stomach act favorably on general blood characteristics. As a matter of fact, in chlorosis the administration of iron affords one of the most brilliant examples of the specific action of a medicine. More recently, Germanium oxide has been advanced as a hæmogenetic and is alleged to be far superior to iron and arsenic in that respect.

The microscopic characteristics of blood are diversified but well studied. As previously stated, there may be seen in blood when examined under the microscope four form elements, the most important being the red cells and the white cells. Each cubic millimeter of a healthy man's blood normally contains about five millions of the red cells and about four and one-half millions for the same unit of a woman's blood, and about five to seven thousand of the white cells. This means that one drop of a healthy man's blood contains about 300 millions of red

cells. Not to be outdone by our city statistician, we are venturing further to state that a healthy adult contains in his whole blood stream twenty-five thousand billions of these little cells. Following along conventional lines, we further state that if these little cells from one man's blood were arranged side by side, microscopic as they are, they would constitute a ribbon that would completely encircle the earth and still leave enough to tie a handsome bow. There are, of course, variations from these figures that are normal. And again there are variations that indicate morbidity. Thus we have in phosphorus poisoning counts as high as eight to nine million red cells and in pernicious anæmia counts as low as half a million. Persons living at high altitudes likewise show abnormally high red blood counts. In the Cordilleras we are told that the natives show counts of eight millions per cmm.

The red cells of human blood are circular, biconcave discs about one-three-thousandths of an inch in thickness. In infancy larger and smaller forms are found even in health, but in the adult the predominant characteristic of the erythrocytes is the persistent uniformity of shape and size. Departure from this uniformity indicates morbidity.

The peculiar biconcave shape of the red cell has never been satisfactorily accounted for. Physiologists differ as to the source of origin of the red cell in foetal life, but during the period of growth and adult life they are agreed that the cells are developed from nucleated cells called erythroblasts, which are formed in the marrow of the bones. These blasts multiply by a process called karyokinesis and gradually become changed, with the vanishing of the nucleus, into the red cells. Thus it is that after a hemorrhage or when the blood is regenerating, we find some of these nucleated red cells in the blood picture and this is to be interpreted as a favorable sign. The period of life of the red blood cell is said to be about three or four weeks, so we may assume that there is a continuous regeneration of these cells going on in the healthy blood stream, and we may also state that the grave of the red cell is the liver, so that its gay career starts in the marrow and ends in the liver.

Blood regeneration after a hemorrhage is very prompt. Even after a severe loss of blood in man, Lyon found that in three weeks' time restoration was complete. The erythrocyte owes its color to hemoglobin and oxygenated hemoglobin. Hemoglobin belongs to a class of bodies known as chromo-proteins and because of its ability to combine loosely with certain gases, thus promoting the gaseous exchange of the body, it is styled a respiratory protein. It is the iron in hemoglobin which enables this pigment to exert its vital power of oxygen transference. Normally, human blood contains about fourteen per cent of this pigment. Actually, the figure upon which computations of hemoglobin blood content is based is 13.77 of hemoglobin per 100 cc. of blood. This figure is arbitrarily termed 100 per cent hemoglobin and the standard hemoglobinometers such as the Sahli are computed to this unit.

Pale or colorless complexioned people frequently but not always lack this pigment as well as the red cells, although we frequently find that the cells may be present but with the pigment lacking. In chlorosis, for instance, each cell shows less hemoglobin than normally, although the number of cells may be normal. In pernicious anæmia, on the other hand, the cell content of pigment may be very high, but with a low cell count. Thus it is that the laboratory examination of hemoglobin is an important part of the hematologist's work, and an important aid in establishing diagnoses.

The main function of the red cell, as we have previously stated, is to promote the gaseous exchange in the body—to carry away the noxious gases and to bring back the life-giving oxygen. The white cells or the leukocytes are the fighting soldiers of the blood stream. There are several types of white cells, all nucleated, and they may be generally classified into two groups, the one where granulations are present in the protoplasm and the other where no such granulations exist. Further classification is made according to the peculiar affinity which the granules may show toward certain acid and basic aniline dyes. Normally, the blood contains about one white cell to each 1000 red cells. In disease the ratio changes, usually with an increase in the white cell count. Thus it has been noted that in cases of pneumonia ending in recovery, the blood generally contains a greatly increased number of leukocytes, while in fatal cases the white cells were in normal number. This fact was particularly noted during that famous, or shall we say infamous, epidemic of flu.

It is for this reason that enumeration of the white corpuscles of the blood is now a potent factor in the diagnosis of disease. In appendicitis, for instance, the white cells increase three or fourfold and particularly so if that unloved and unwanted part of the anatomy is flirting with an abscess. The absolute count as well as the differential counting of the leukocytes is the common routine procedure with every hospital patient in these hectic days of laboratory diagnosis, and we sometimes feel that the tube and the slide has almost entirely replaced the mind and the eye of our good friend the doctor.

The white cell possesses amœboid motion, which the red cell does not, although the latter does possess some molecular motion. The white cell is also frequently phagocytic: that is, it has the power, happily for us, of destroying bacteria by encircling and cannibalizing them. Not only that, but we are told that blood invading bacteria become weakened in their vitality just at the sight of a white cell, that is before phagocytosis begins. This may be demonstrated in a most interesting fashion under the microscope. There is a comely parasite to which the scientists give the following abbreviated designation, *Hemogegarina stephanovi*. This parasite has a peculiar nonchalant gait when it traverses familiar by-paths, and, fortunately for us, its habitat is in the blood of reptiles and not in the blood of man. But when it invades the blood stream,

and happens to step in the road of a trouble-seeking white cell, it gets languid and loses its familiar confidence. Just as soon as the leukocyte comes to its field of vision, it becomes stiff and stretches out, scared stiff as it were. After a few seconds large vacuoles appear in its nucleus. The white cell at once sets to work to surround its victim, and five minutes after the accidental meeting, our friend the parasite has been completely englobed by the leukocyte. This phagacytic index, or the capacity of the white cell to consume germs, is now measured in the laboratory so that we can definitely establish a patient's power of resisting or overcoming infection by counting the average number of certain bacteria phagocyted by the polymorphonuclear white cells.

A word in regard to the blood platelets. The significance of this element is still in doubt. They have long been known, however, to have some bearing on coagulation, and are the only elements whose disintegration is to be seen in the coagulation of normal blood. When coagulation is observed under the microscope the fibrin strands are seen to start from groups of the platelets.

The blood dust of Müller (*hæmoconien*) consists of fine granules which have a vibrating motion. Little is known of them and they are given scant consideration in clinical blood examinations. The suggestion has been made that they are granules from disintegrated white cells.

Of the lymph or plasma we hesitate to speak since there is so much to say and so little time in which to say it. There is after all but very little known about blood functions that seem to reside in the serum or plasma. Empirically, we think our information is considerable; scientifically it is very scarce. When after exposure to infection the first line of defense wavers and the infectious agent creeps progressively onward, when the barriers of the second line are broken through and a complete invasion of the blood stream is threatened, what then? Host after host of white cells pour in mighty cavalcades and valiantly fight the invader of their homeland, but the toxemia induced by the bacterial invader may be so intense as to overwhelm the white cell army, and what then? Out of a mystic somewhere in the plasma flows a magic fluid that paralyzes, precipitates, dissolves, agglutinates or otherwise disarms the intruder. Scientists call these special properties and constituents of the serum, agglutinins, precipitins, bacteriolysins, anti-toxins, etc., knowing them at least by their deeds, even if unable to identify them as separate entities.

Sometimes, of course, even this last line of defense is insufficient to curb the progress of disease, and the human organism is forced to succumb and to be conquered, and the penalty of conquest, and complete conquest, generally spells death. However, it is not uncommon to have an infected blood that stays infected through life and death comes in another form. Malaria or syphilis, both parasitic diseases of the blood stream, are not promptly fatal, although they would prove so unless actively combated with outside agents.

Those of you who are initiated will doubtless query my avoidance of considering the purely chemical aspect of blood, and wonder why, at a time when blood chemistry counts so much, that so little attention has been paid to it in this presentation. My reaction to this query is that consideration of this complicated factor of blood analysis is much too detailed and technical to afford of its discussion in as elemental a treatise as this. Reference can be made, however, to the fact that the physiologist of today pays far more attention to the chemical qualities and constituents of blood than ever before. Time was when urinalysis comprised the major diagnostic assistance that the laboratory offered the clinician. Albumin or sugar in the urine constituted the greatest contributions along quantitative lines that the chemist had to give to the diagnostician. Today, however, more attention is paid to the analysis of the blood than to the analysis of the urine, and it is a well-established fact that more definite information may be thus obtained.

For instance, is it not far more important for the doctor to know how much sugar is being retained in the blood serum rather than to know how much is being eliminated by the kidneys? For after all it is the noxious substances held inside the kidney threshold that inure to more body hardship than do the noxious substances that are passed out of the body. And so we have today in the laboratory, accurate colorimetric and microcolorimetric tests which tell us just how much sugar there may be in an arbitrary unit of whole blood, or just how much urea, uric acid, creatinin, nonprotein nitrogen, dissolved gases, etc., and these tests are so accurate and delicate that by them the careful diagnostician can gauge his patient's actual blood condition to a nicety.

Likewise in the field of serology much progress has been made. The Wassermann test for syphilis, the Aberhalden tests, the complement fixation tests for Neisserian and tubercular infection, the Widal and other agglutinating reactions are marvelous examples of the trail of success along such lines of blood search and research.

Then again the various methods pursued for determining by culture and otherwise the presence of organisms in the blood stream. How wonderful has been the romance of the development of some of these tests—not the work of one genius alone, but the correlated and dovetailed results of the painstaking investigations of a hundred plodding workers in this altruistic field of endeavor.

Let me just skim over the reagents used in the conduct of the best known of these tests: namely, the Wassermann test. For the manipulation of this one test alone the laboratory worker uses these several reagents:

The red cells from the fresh blood of a sheep.

The serum from the fresh blood of a guinea pig.

The inactivated blood serum of the suspected patient.

An alcoholic extract of the heart of a guinea pig or cow.

An extract of the liver of a syphilitic fœtus.

The blood serum of a white rabbit sensitized to sheep cells.

Human blood serum that is known to be negative.

Human blood serum that is known to be positive.

To handle these accurately standardized reagents must be granted a patient and willing and thoroughly conscientious worker, who must at all times realize the need for honest and accurate service.

This is but a brief résumé of some of the diseases which infect the blood stream, and some known antagonists might add to the interest of this rather disconnected and garbled paper, but that is possibly a topic that can be made the subject of a future lecture.

SEATTLE GRADUATE PETITION

Seattle, Washington,

February 25, 1925.

Dr. A. Richard Bliss, Jr.,

Grand Registrar and Editor Kappa Psi Fraternity,

Memphis, Tennessee.

Dear Sir and Brother:

We, the undersigned graduate members of Kappa Psi Fraternity, request that we be granted a charter as a graduate chapter of Kappa Psi, and are enclosing the necessary twenty-five dollars (\$25.00) as a fee.

Fraternally,

L. R. BABCOCK, *Beta-Pi* '17.

PERRY LAND, *Beta-Omicron* '21.

H. M. SHAW, *Beta-Omicron* '22.

E. A. STEFFEN, *Beta-Iota* '17.

A. I. BAKER, *Beta-Pi* '17.

H. V. TROSPER, *Beta-Pi* '20.

LESLIE J. CRAIGEN, *Beta-Omicron* '21.

EARL GUNTHER, *Beta-Omicron* '16.

EUGENE E. ALFORD, *Beta-Zeta* '19.

EARLE C. GREENE, *Beta-Omicron* '20.

KIRK G. LANCASTER, *Beta-Omicron* '21.

H. A. LANGENHAN, *Phi*.

WENDELL H. CLAUSEN, *Beta-Omicron* '21.

WM. REEKIE, *Beta-Omicron* '21.

H. B. EMBREE, *Beta-Omicron* '22.

THOS. E. LAMBKIN, *Beta-Omicron* '22.

MERL O. RAWSON, *Beta-Omicron* '17.

EDWARD GUINAN, *Beta-Omicron* '20.

ARTHUR BURSTON, *Beta-Omicron* '23.

NOTE: Charter granted. Chapter to be installed by Dr. H. A. Langenhan, *Phi*, National Extension Committee.

THE GRAND OFFICERS

GRAND REGENT

W. BRUCE PHILIP, A.B., Ph.G., Phar.D., LL.B.; *Gamma, Beta-Gamma*
202 Balboa Bldg., San Francisco, California

Waldemar Bruce Philip was born on July 19, 1878, at Sacramento, California.

Schooling: Graduate Sacramento High School, University of California, Pharmacy Department, 1901, Ph.G.; New York College of Pharmacy, 1904, Phar.D.; Hastings College of the Law, University of California, 1923, LL.B.

Drug Store Activities: Apprentice, O. P. Willis, Sacramento; Geo. H. Monroe, Fresno, and Dr. Albert L. School, San Francisco. Member of Firm, Willis and Martin Company, Sacramento, and Philip and Philip, Oakland, last twenty years this February.

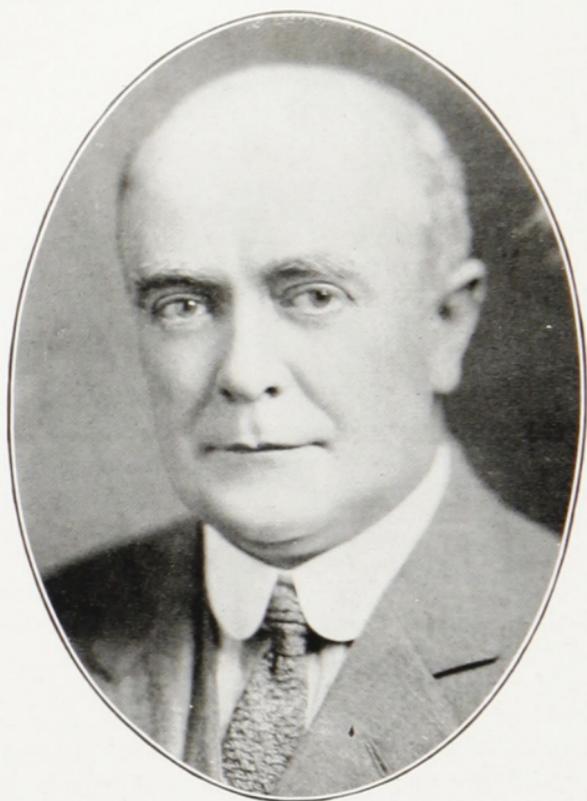
Association Activities: *Alameda County Pharmaceutical Association:* Past president and vice-president; Secretary, five years. *Retail Druggists Association of San Francisco:* Secretary, four years. *California Pharmaceutical Association:* Past president, 1st, 2nd and 3rd vice-president; twelve years on Executive and Legislative Committee. *Alumni Association of the California College of Pharmacy:* Past vice-president and president, two terms; dedicated Searby Memorial Chair at Greek Theater, University of California. *California College of Pharmacy, University of California:* Trustee, ten years; instructor commercial pharmacy, four years; instructor laws of pharmacy, three years. *National Association of Retail Druggists:* Past 1st, 2nd and 3rd vice-president; member National Legislative Committee. *American Pharmaceutical Association:* Past vice-president; past vice-chairman House of Delegates; president Chairman House of Delegates and chairman commercial section; past associate and secretary commercial section.

Fraternity: Kappa Psi Pharmaceutical Fraternity; grand officer ten years; Phi Alpha Delta, legal fraternity.

Lodge Membership: F. & A. Masons; educational lecturer Grand Lodge, Knights of Pythias; F. O. of E.; N. S. G. W.

Civic Organizations: State, San Francisco, Oakland Chamber of Commerce; Commonwealth Club of California; San Francisco Ad Club; San Francisco Bar Association; Athens Athletic Club; San Francisco Society of Secretaries.

Married Fayetta Harris (graduate of pharmacy, U. C., '01; member Lambda Kappa Sigma, Pharmacy Sorority); two children: Mercedes L., freshman University of California; Harold M., attending high school. Both registered pharmacy apprentices.



W. B. PHILIP, Ph.G., Phar. D., LL.B., Gamma;
Beta-Gamma, Grand Regent

(Vice-president A.Ph.A.; Trustee and Lecturer in the
University of California College of Pharmacy)

GRAND VICE-REGENT

FLORIN JOSEPH AMRHEIN, Ph.G., Ph.C., F.A.I.C.; *Mu*
179 Longwood Ave., Boston, Massachusetts

Born in Boston, Massachusetts, son of Catherine and John Amrhein, on August 3, 1892. Educated in the public schools of Boston, and received the degree Ph.G., in 1915 at the Massachusetts College of Pharmacy; Ph.C., 1918.

Appointed assistant in the Department of Pharmacy, M. C. P., in 1915; assistant in the Department of Chemistry in 1916; instructor in analytical chemistry in 1917; instructor in general and organic chemistry in 1919; appointed assistant professor of chemistry in 1921; lecturer in chemistry and urine analysis at the Nurses' Training School, Long Island Hospital, 1918-20; at graduation in 1915 received the A.Ph.A. certificate for excellence in pharmacy; active member of *Mu* since 1913.

Consulting and analytical chemist; chemist in charge of the Division of Food and Drug Inspection of the town of Brookline, Massachusetts, Board of Health; member of the A.Ph.A.; Boston Druggists Association; Massachusetts State Pharmaceutical Association; member of the American Public Health Association; fellow of the American Institute of Chemists; also member of the New England Chemistry Teachers' Association.

Author of a textbook on Examination of Urine for Students of Pharmacy and Nursing; also author of a Laboratory Manual on Gravimetric, and Food and Water Analysis.

GRAND REGISTRAR AND EDITOR

A. RICHARD BLISS, JR., Ph.G., Ph.Ch., A.M., Phar.D., M.D., F.A.I.C.,
Gamma
1489 Poplar Blvd., Memphis, Tennessee

A. Richard Bliss, Jr., was born in New York City on November 10, 1887, the son of Andrew Richard Bliss and Frances Rutherford (Sutton) Bliss. His elementary education was obtained in the public schools of New York City, and his secondary education in the DeWitt Clinton High School of the same city. He received his collegiate and professional education and training in Columbia University, the New York College of Pharmacy, New York University, Howard College of Birmingham, Alabama, and the University of Alabama, in which institutions he secured the degrees of Ph.G., Ph.Ch., B.S., A.M., Phm.D., and M.D.

After association with the Hegeman Drug Company, managing one of the Ritter-Kane stores, and serving as a member of the field staff of the Sea Breeze Home and Hospital in New York and as a special assistant in the Columbia University, he accepted an appointment as adjunct professor of pharmacology, pharmacy and chemistry in the School of



F. J. AMRHEIN, Ph.G., Ph.C., F.A.I.C., Mu,
Grand Vice-Regent
(Assistant Professor of Chemistry in the Mass. College
of Pharmacy)



PRESTON W. ELDRIDGE, Jr., Delta
Grand Secretary and Treasurer

Medicine and Pharmacy of the University of Alabama at Tuscaloosa. He rose to the rank of full professor, moving to the Birmingham departments of that institution: i.e., the Colleges of Medicine and Pharmacy and the Graduate School of Medicine, where he was also selected as dean of the School of Pharmacy. In 1915 he resigned his Alabama position to accept the professorship of pharmacology in the School of Medicine of Emory University in Atlanta, and in 1923 he left Emory to accept his present position as professor of pharmacology and physiology and chief of the division in the College of Medicine, Dentistry and Pharmacy of the University of Tennessee at Memphis.

Dr. Bliss married Miss Loretta Ann Deering of New York City, a daughter of the late John Deering and Mary (Neill) Deering.

Dr. Bliss is the author of several well known text and reference books. Among them are: *Qualitative Analysis of Students of Medicine, Dentistry and Pharmacy* (W. B. Saunders Co.), *Physics and Chemistry for Nurses* (J. B. Lippincott Co.), and *Essentials of Physiology* (P. Blakiston's Son & Co.). He is also the author of about twenty articles which have been published in the *Journal of Laboratory and Clinical Medicine*, the *Medical Record*, the *Journal of the A.O.A.C.*, the *Journal of the A.M.A.*, the *Journal of the A.Ph.A.*, etc. During the World War he was commissioned first as a lieutenant and then as a captain in the corps of scientists organized by the Rockefeller Institute, and assigned to the Division of Laboratories and Contagious Diseases. Following his discharge from the Medical Department of the U.S. Army, he was commissioned a past assistant surgeon (pharmacologist) in the U.S. Public Health Service Reserve. He is a fellow and member of the A.A.A.S., and A.I.C., also of the A.C.S., the Biochemical Society, the Conference of Biochemists, the Pharmacological Society, the A.O.A.C., the A.Ph.A., the Annual National Research Conference, etc., etc. He is also a member of the undergraduate society Delta Upsilon Sigma, the honor society Sigma Tau Delta, professional English fraternity, the Asklepios, honor medical society, the University Club of Memphis, the City Club of Memphis, the Columbia University Club, the Army and Navy Club, the American Legion, and the Masons. At present he is directing the study of physiology and pharmacology for the Commonwealth Fund Study of Pharmacy.

GRAND SECRETARY AND TREASURER

PRESTON W. ELDRIDGE, JR., *Delta*
6 Church St., New York, New York

We regret that copy for a write-up of Brother Eldridge, who has been in active harness continually for over twenty-five years and who has done probably more than any other one man for Kappa Psi, has not



A. R. BLISS, Jr., Ph.C., A.M., Ph.D., M.D., Gamma,
Grand Registrar and Editor
(Professor of Pharmacology and Physiology in the
University of Tennessee School of Pharmacy)



L. K. DARBAKER, Ph.G., B.S., Ph.D., Beta-Kappa,
Grand Historian
(Professor of Bacteriology and Pharmacognosy in the
University of Pittsburgh College of Pharmacy)

been received. However, most of us know "Press" without having to read "a history of his life." We will run a write-up of him just as soon as copy reaches us.

GRAND HISTORIAN

LEASURE K. DARBAKER, PH.G., B.S., PHAR.D., *Beta-Kappa*
7025 Hamilton Ave., Pittsburgh, Pennsylvania

Professor Leasure Kline Darbarker was born in Pittsburgh, Pennsylvania, on January 13, 1879. He attended public school at McKeesport and Emlenton, Pennsylvania, and high school at Emlenton, Pennsylvania. He also attended Grove City College, and received his Ph.G. in 1900, from Ohio Northern University. In 1905, he began the study of bacteriology with Dr. A. Leteve, a student of Pasteur. In 1906, he graduated from the Pittsburgh College of Pharmacy, with high honors. In 1909, he attended the University of Berlin, Germany, where he increased his knowledge of bacteriology. After studying in Germany, he returned to the states, and in 1909, received his Phar.D. from the Pittsburgh College of Pharmacy. He then served as associate professor of bacteriology and pharmacognosy, 1907-09. From 1908-14, he was assistant professor of materia medica and botany, at the Pittsburgh College of Pharmacy. He was then elected to the position of professor of bacteriology and pharmacognosy, in 1909, and from then, to date, he has held this position. When the course in microscopy was introduced at this school, he was made professor of this subject. He has also been director of the pharmacognostical, bacteriological, and Microscopical Laboratories since 1909; also director of the Pittsburgh Microscopical Laboratory, and consulting bacteriologist to several laboratories and corporations.

On August 15, 1916, he married Miss Susan B. King.

He has written many papers on microscopical subjects, including general bacteriology, blood, urine, histological pharmacognosy, plant pathology, bacteriology of plant and soil, mouth bacteriology and microchemistry. He has published manuals on Microscopy, histological pharmacognosy and bacteriology.

For many years he has been secretary to the faculty of the Pittsburgh College of Pharmacy. At various times has been president of the Pittsburgh branch of the A.Ph.A. Affiliated with the Pennsylvania Pharmacy Association, American Pharmacy Association, Pittsburgh Botanical Society, American Society of Bacteriologists, American Chemical Society, A.A.A.S., A.M.A., and various other scientific and social organizations. He has served on various committees of these societies, and is now secretary of the historical branch of the A.Ph.A.

In 1906, he was initiated into Beta Phi Sigma fraternity, and was transferred to Kappa Psi when Beta Phi Sigma gave up its charter,

and became a chapter of Kappa Psi. Since then, he has taken a most active part in the interests of our fraternity. In 1920, he was elected general secretary and treasurer of the Beta Kappa Chapter, and has carried out this work with huge success. In December, 1924, feeling that another could carry out this work with better results, he resigned, but in January, 1925, he was unanimously re-elected. Dr. Darbaker projected the idea of life memberships for Beta Kappa members, and has proven most successful. This idea looks toward and takes care of our chapter in the future. He was then honored by being elected Grand Historian of Kappa Psi, and has been one of the province officers for several years. Dr. Darbaker spends a great deal of his time in research work on cancer.

During the World War Dr. Darbaker became interested in Beta-Kappa as the chapter, with the exception of three men, enlisted in the University of Pittsburgh Hospital Unit. These men asked if the fraternity could not be continued with the result that meetings were held in the lab. and the good work was carried on; all indebtedness, amounting to about \$1,000, was paid. Dr. Darbaker entered Plattsburg Officers' Training Camp. Beta-Kappa buffeted about from house to house, saw the need of a permanent home, so in 1920 they purchased a home for \$20,000. Largely through the efforts of Dr. Darbaker this debt has been reduced about one-half and the property to-day is worth \$30,000.

KAPPA PSI LEADERS

W. G. CROCKETT, Ph.G., Ph.C., M.S., PHAR.D.; *Gamma* and *Theta*.

W. G. Crockett, Ph.C., Phar.D., M.S., professor of Pharmacy, School of Pharmacy; Medical College of Virginia, Richmond; formerly professor of Pharmacy, Baylor University College of Pharmacy, Dallas, Texas; Auxiliary member of Committee of Revision of U.S.P.X.; one



W. G. CROCKETT, Ph.G.,
Ph.C., M.S., PHAR.D., *Gamma*;
Theta

time chemist with Department of Health of city of New York; E. R. Squibb & Sons; E. I. du Pont de Nemours & Co., and Research Division Chemical Warfare Service, U.S. Army.

MU CHAPTER FACULTY MEMBERS

HEBER W. YOUNGKEN, Ph.D., Ph.M.

Professor of materia medica, botany, pharmacognosy and allied subjects; consulting pharmacognosist; A.B., M.A., Bucknell University; M.S., Ph.D., University of Pennsylvania; Ph.G., Medico-Chirurgical College of Philadelphia, honorary degree of master of pharmacy from the Philadelphia College of Pharmacy. Author of a textbook,

Pharmaceutical Botany, also *Pharmacognosy*; a contributor to many pharmaceutical and scientific journals; editor of *Botanical Abstracts*; member of numerous societies and fraternities and Kappa Psi.

GEORGE E. GROVER, PH.G.

Instructor in pharmacy; M.C.P. 1895; practical experience forty years, including thirty years as proprietor of own store, in Somerville, Massachusetts; present position, 1915. Trustee of the college, 1910-13; president of the alumni association of M.C.P. 1922-23; member of A.Ph.A.; Boston Druggists' Association, Rotarian and Kappa Psi.

FLORIN J. AMRHEIN, PH.G., PH.C.

(Write-up elsewhere in this issue.)

HERBERT E. BOWMAN, PH.G.

Instructor in materia medica and bacteriology; M.C.P. 1895; practical experience thirty years; proprietor of own store in Somerville, 1894-1913; chemist and bacteriologist, city of Somerville, since 1909; present position since 1918; member of many organizations including Kappa Psi.

RAY S. KELLEY, PH.G., PH.C.

Instructor in chemistry; practical experience five years, North Troy, Vermont; Hospital Corps, U. S. N.; consulting and analytical chemist since 1921; member of American Pharmaceutical Association, and Kappa Psi; present position since 1921.

H. A. LANGENHAN, PH.G., PH.C., B.S. M.S., PH.D.; *Phi, Beta-Psi, Beta-Omicron*

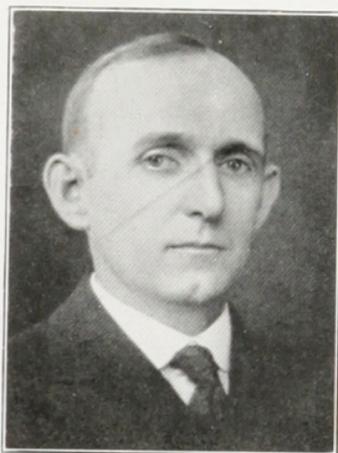
Born at Ableman, Wisconsin, attended Reedsburg High School; entered Weaver's Drug Store at Reedsburg in 1899; became registered in 1904; Relief clerk two years; obtained registered pharmacist's certificate for Illinois in 1906; enrolled in College of Pharmacy, University of Illinois in fall 1906; received Ph.G. 1908; Ph.C. 1909.

Appointed lecturer and laboratory assistant in pharmaceutical chemistry under Professor Puckner for years 1908-09. Appointed instructor in pharmaceutical chemistry, fall 1909; resigned after two years; vacation and extra hours during the six years were devoted to doing relief work in drug stores. The type of stores in which the work was done was varied, from prescription departments in large store to suburban and small stores, sometimes in undesirable localities. Thus a wide range

of experience was obtained. Regent of Chicago Graduate Chapter, 1911-12 and delegate to the national convention of Kappa Psi in Chicago in 1912.

Accepted appointment of instructor in charge of practical pharmacy courses at University of Wisconsin in 1912; received B.S. (pharmacy) in 1913; M.S. (pharmacy) 1915 and Ph.D. (pharmacy) 1918; was first candidate in U.S. to take all graduate degrees leading up to and including Ph.D. with a major in pharmacy proper. The second to receive the Ph.D. degree in a pharmacy course.

Was appointed assistant professor in pharmacy in 1920; was part time assayist for Huber Tuhrman Drug Mills, Fond du Lac, for two years; organized and supervised the hospital dispensary for S.A.T.C. University of Wisconsin, and later installed same in University of Wis-



H. A. LANGENHAN, Ph.C.,
M.S., Ph D., Phi; Beta-Psi;
Beta-Omicron

consin Hospitals. Retained supervision of hospital dispensaries until fall of 1922; appointed pharmacist on Wisconsin Pharmaceutical Experiment station staff in 1913; accepted appointment as associate professor of pharmacy, University of Washington, in fall 1922 (present position). Has direct supervision of instruction in all practical pharmacy courses representing approximately 35 per cent of the work given in the three-year course.

Member of American Pharmaceutical Association Alpha Chi Sigma—(chemistry) Fraternity, Sigma Xi—honorary science.

Married to Bertha Arnold, Eau Claire, Wisconsin, in 1915. Have one child, Lois, age seven.

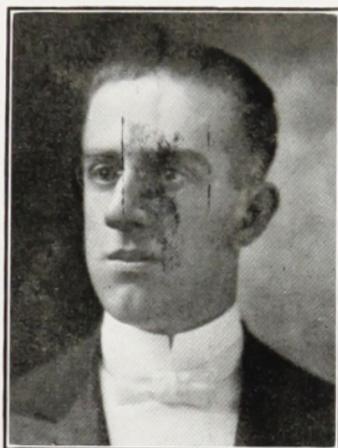
Publications: 1914—The Alkaloidal Content of Stramonium Leaves, Bull. U. of Wis., 29 pp. 1916—Preliminary Report on Co-operative Experiment on Datura Breeding by Selection. (With C. M. Woodworth),

Rep. Wis. Pharm. Exp. Sta. 1918—N. F. Petroxolins and Parallel Preparations (with C. F. Noel.) Cir. Wis. Pharm. Exp. Sta., 24 pp., Bibliographic Cards Nos. 2-31, Wis. Pharm. Exp. Sta. 1919—Guide to Elementary Prescription Practice, U. of Wis., 50 pp. 1920—Hospital Dispensing, Proc. Wis. Ph.A., 40, pp. 25-29. 1921—A Century of the U. W. P. Preliminary Circular, Wis. Ph. Exp. Sta., 18 pp. Practical Pharmacy Proc. Wis. Ph.A. 41, pp. 36-42. 1922—A Century of the U. S. P., The Arsenical Solutions. No. 1. Liquor Potassii Arsenitis: Bull. U. of Wis., 57 pp. Reprinted from Proc. Wis. Acad. of Science Letters & Arts. New Remedies, Proc. Wis. Ph.A., 42, pp. 97-100. Chloral-Bromide Incompatible, Pac. Drug. Rev., December. 1923—A Century of the U. S. P. Titles, Synonyms, etc., Bull. U. of Wis., 153 pp. Digitalis and Preparations, Proc. Wis. Ph.A., 43. Liquor Cresolis Comp., Pac. Drug. Rev., January. Magma Magnesia, U. S. P. and N. F., Pac. Drug. Rev., March. Ointment of Zinc Oxide, Pac. Drug. Rev., April. Aspirin Incompatibles, Pac. Drug. Rev., May. Non-alcoholic Flavoring Extracts, Pac. Drug. Rev., September. Fluidextract Adjuncts, Pac. Drug. Rev., November. Silver Compounds, Pac. Drug. Rev., October. Basham's Mixture, Pac. Drug. Rev., December. 1924—Hypochlorite Solutions (with R. M. Davis). No. 1. Historical Introduction, J. A.Ph.A. January. No. 2. Formulas, Original and Modified, J. A.Ph.A. February. No. 3. Technique of Manipulation. *Ibid*, March. No. 4. Preservation of Solutions, *Ibid*, April. No. 5. Chemistry of Solutions, *Ibid*, May. No. 6. Appendix, *Ibid*, June. Tincture of Green Soap (Reprint), Pract. Drug., February. Aromatic Castor Oil, Pac. Drug. Rev., January. Mydriotic Drugs, Pac. Drug. Rev., February. Glycerite of Vitellin as Emuls. Agt., Pac. Drug. Rev., March. Alkaloidal Tinctures, Flex. & Ext. of U. S. P. & N. F., Pac. Drug. Rev., April. Iron Salts of U. S. P. and their Preparations, Pac. Drug. Rev., May. Alkaloids and Salts, U. S. P., 1820-1920, Pac. Drug. Rev., June. 1924—Effervescent Salts, No. 1. History, Pac. Drug. Rev., July. No. 2. Manufacture, Pac. Drug. Rev., August. Film Dressing, Pac. Drug. Rev., September. Pulvis Antimonialis, Pac. Drug. Rev., November. 1295—Syrups in Prescriptions, *Ibid*, January. Magma Bismuthi, *Ibid*, February. A Pharmaceutical Study of Acetyl Salicylic Acid (With H. V. Snidow). No. 1. Historical J. A.Ph.A. Ready for Publication. The Arsenical Solutions. No. 2. Liquor Acidi Arsenosi. No. 2. Liquor Arseni et Hydrargyri Iodidi.

GEORGE W. MCBRIDE, PH.G., *Chi*

George William McBride: born November 27, 1888, at Paw Paw, Illinois; early life spent on a farm near Paw Paw; graduated Paw Paw High School, 1910, University of Illinois School of Pharmacy, 1914; member of Chi and Chicago Graduate Chapters of Kappa Psi;

delegate from Chi to Chicago Kappa Psi Convention, 1913; delegate from Chicago Graduate Chapter to Atlanta Convention in 1916; member Legislative Committee, 1916-24; has owned and conducted McBride Pharmacy at Paw Paw, Illinois, since March 12, 1917; was married to L. Maud Reynolds of Rochelle, Illinois, 1916; was in drug business in Amboy, 1914-16; traveled for Childs Drug Company of Chicago, 1916-17.



GEO. W. McBRIDE, Ph.G., Chi

CHARLES E. WILSON, B.S., Phar.D.; *Sigma*
Corinth, Mississippi

Born in South Carolina, September, 1890; started in drug store as errand boy, case washer and floor sweeper, March 12, 1907; attended public schools of South Carolina, also Leesville College (S.C.) now extinct; University of Maryland, Baltimore; graduated with Phar.D. degree, 1913; came to Mississippi, 1917; married Miss Geraldine Bell, 1916; entered business for self, 1920; lost store by fire, December 28, 1924; opened again thirteen days later; Methodist—steward in church; director, Chamber Commerce; member A.Ph.A.; Mississippi Ph.A.; Mason; Knight Templar, being Eminent Commander Mory Savery Commandery; No. 14 K. T. Shriner; secretary-treasurer, State Board Pharmacy, Mississippi; Secretary Mississippi Graduate Chapter, Kappa Psi; proofreader for U. S. P.

GORDON LATEN CURRY, PHAR.D., *Upsilon*,
Dean of the Louisville College of Pharmacy

Dr. Curry was born in Louisville, Kentucky, March 1, 1872. He received his education in the Louisville Public Schools, Louisville

Male High School, Louisville College of Pharmacy, 1892, postgraduate work in botany at Harvard University and postgraduate work in chemistry at the Philadelphia College of Pharmacy.

He served his apprenticeship with J. A. Flexner, Louisville, and with C. Lewis Diehl for several years until he retired. He was assistant to Professor Diehl at Louisville College of Pharmacy, 1894, and recording secretary and dean of L. C. P., 1894-1916. He had the Chair in chemistry from 1904 to date and was reappointed dean in January, 1925. He is very active in Kappa Psi activities.



G. L. CURRY, Phar.D., Dean, Upsilon H. O. HAEUSGEN, Phar.D., Upsilon

H. O. HAEUSGEN, Phar.D., *Upsilon*

Dr. H. O. Haeusgen has been actively engaged in the pharmaceutical and chemical branches of the Louisville College of Pharmacy for a number of years. He graduated from the L. C. P. in the year 1886 and began teaching there about 1892, teaching chemistry to the junior classes until 1913. Since that time he has had the Chair of materia medica, pharmacognosy and pharmacology. During the year 1922 the college conferred the degree of pharmacy doctor. Dr. Haeusgen has been actively engaged in the retail pharmacy business during all these years. He takes an active interest in Kappa Psi activities and has been of great help as an adviser in the many problems that have come up before the fraternity. He was pledged into the fraternity as a faculty member in 1919.

FERDINAND D. STOLL, Ph.G., *Upsilon*

Professor Stoll was born in Winterthur, Switzerland, July 22, 1899. His parents immigrated to the United States in 1901 and moved to Louisville, Kentucky. He was educated in Louisville Public Schools.

Entered the retail drug business in July, 1914, and actively engaged since. He matriculated in the junior class of L. C. P. in 1915-16 and skipped a year before going back for final term. He graduated on May 15, 1918, with senior class honors.

Professor Stoll was appointed to the faculty as assistant in chemistry in 1919 and at the close of this session was appointed professor of botany, histology and microscopy, which post he still occupies. On January 15, 1925, he was appointed to fill the chair of pharmacy left vacant by the death of Dr. O. C. Dilly, dean and professor of pharmacy. He will continue, however, in his capacity as professor of botany, histology and microscopy.

Professor Stoll was pledged to Upsilon Chapter of Kappa Psi Fraternity on February 3, 1918, but did not enter until March 17, 1921,



F. D. STOLL, Ph.G., Upsilon

when he was initiated as faculty member. At the close of this college year it was moved and passed that Professor Stoll be appointed "resident" or "permanent" secretary and treasurer of the Fraternity, thus placing these offices in the hands of a faculty member who was present from year to year and preventing, to a great degree, confusion incident to annual changes. Student members, however, serve as his assistants and perform many of the usual duties.

JOSEPH G. NOH, PH.G., PH.C., B.Sc.; *Gamma-Epsilon, Omega*

Joseph G. Noh was born in Clarkson, Nebraska, on September 16, 1900. He entered the University of Nebraska in 1919, and, in 1921 received the degree of graduate pharmacist; in 1922 the degree of pharmaceutical chemist, and in 1923 the degree of bachelor of science. It was during the pursuit of his scholastic endeavors that he became a charter member and regent of the Gamma-Epsilon Chapter of Kappa

Psi. He graduated with highest honors and was awarded the Kappa Psi scholarship key and the Pershing Medal. He is a member of the American Pharmaceutical Association and the New Jersey Pharmaceutical Association.

Immediately upon his advent to the New Jersey College of Pharmacy as professor of pharmacology and pharmaceutical botany, he became an active participant in the activities of the college and the ardor with which he attacked the different enterprises soon became manifest. He aided in the installation of Omega Chapter of Kappa Psi and is actively interested therein. He became an active participant in the chemical and pharmaceutical societies of the college and was also instrumental in the introduction of athletics and the formation of a college athletic association, now exceedingly active. He attended the 1924 Kappa Psi



J. G. NOH, Ph.G., Ph C., B.S.,
Gamma-Epsilon, Omega



F. J. O'BREIN, Ph.G.,
Beta-Delta

Grand Council Convention held in New York. His benevolent kindness has won him the whole-hearted support and esteem of the student body. It is exceedingly pleasant to be able to truthfully state that he becomes at once the beloved of all who have the good fortune to come under his kindly supervision.

FRANCIS JOSEPH O'BREIN, PH.G., *Beta-Delta*

Born in Schenectady, New York, 1901, and was graduated from the Schenectady High School in 1918. Entered the Albany College of Pharmacy and was graduated in 1920. In 1918 he was awarded first prize in an essay contest on the subject of osteopathy and was awarded a government certificate for services as a Junior Four-Minute Man during the World War.

In 1919 he was awarded the Charles Gibson prize for highest standing in junior class of the Albany College of Pharmacy and in 1920 the

William Gibson prize for highest standing in commercial pharmacy and pharmaceutical jurisprudence.

In 1920, shortly after graduation, he was appointed instructor of pharmacy and mathematics at the Albany College of Pharmacy and has been teaching steadily since that time.

In 1920 he was initiated into Beta-Delta Chapter and is now officiating as secretary of the graduate chapter, in which he plays a very active part.

FRANK S. WARD, Ph.G., *Beta-Zeta*

One of the most prominent graduate members of our chapter is Frank S. Ward.

Frank S. Ward was born in Albany, Oregon, on May 5, 1878, and was a graduate of the Albany High School.



F. S. WARD, Ph.G., *Beta-Zeta*

Having graduated from the O.A.C. School of Pharmacy in 1901, he was a member of the first graduating class, and one of the most popular students.

For several years he clerked in the Capitol Drug Store of Salem, Oregon, and later became operator.

He was appointed a member of the Oregon Board of Pharmacy in 1913 and again in 1921. During most of this time he was secretary of the board.

He became a member of this chapter when its charter was first granted.

He has always been interested in the work of the state legislature, and is one of the best lobbyists in the state. He is especially interested in maintaining high standards in pharmacy, medicine and dentistry.

He is secretary of the State League of Public Health, one of the chief divisions of the Oregon State Medical Society.

In addition to all of his official duties, Mr. Ward maintains an interest in Oregon Druggists Insurance, promoting this side issue with great success.

P. H. DIRSTINE, Ph.G., B.S., D.V.M.; *Beta-Pi*

Doctor P. H. Dirstine, dean of the School of Pharmacy at the State College of Washington, is a native of Michigan. However, he has spent most of his life in the West in Washington, where he moved with his parents in 1889 when but three years of age. When ten years



P. H. DIRSTINE, Ph.G., B.S.,
D.V.M., Dean, *Beta-Pi*

of age he returned to Michigan where he lived for five years and since that time has been a resident of Washington except the years spent in Indiana while a student of pharmacy. He received the degree of graduate in pharmacy in 1905, following which he returned to Washington and engaged in retail pharmacy from 1905 to 1910. In the fall of 1910 he matriculated at the State College of Washington and was (in 1912) graduated with the degrees of B.S. and D.V.M. being one of six to graduate with High Honor from a class of 158.

The week following his graduation in 1912 he was elected to the faculty of State College as instructor in materia medica and physiology; later advanced to assistant professor of physiology and therapeutics, and in 1917 was made dean of the School of Pharmacy. The School of Pharmacy at that time had an enrollment of forty-five students with one member on the faculty. Since then it has made a rapid growth and today has four full-time faculty members and an enrollment of 180 regular students.

Dean Dirstine has spent the summers for the past seven years in retail pharmacy, having worked in the larger retail drug stores and prescription pharmacies of the West, with the exception of the summer of 1921, spent in graduate work at Stanford University. He is a member of Beta-Pi Chapter of Kappa Psi, elected in 1918; also a member of the following: Alpha Psi, national fraternity; Phi Kappa Phi, national scholastic fraternity, having served the past year as chairman of its membership committee; American Pharmaceutical Association; State Pharmaceutical Association, serving as district governor for the past four years; American Association of University Professors; for the past six years a member of the Athletic Council of the State College which controls all athletics; chairman of the Public Health Committee at the State College, and head of the College Hospital; member of the faculty athletic committee, and chairman of the social hygiene committee; member of the American Social Hygiene Association; local and Grand Lodge member of the Knights of Pythias.



W. F. SUDRO, Ph.G., M.S.,
Dean, Beta-Sigma

WM. F. SUDRO, Ph.G., B.S., M.S.; *Beta-Sigma*

William Frederick Sudro was born on November 15, 1884, in Elyria, Ohio, where he attended high school. Continuing with his education he entered the University of Illinois, then the University of Michigan, where he graduated in 1906 with a bachelor of science in pharmacy. He obtained his master of science degree from the University of Wisconsin, 1919.

Professor Sudro has held various positions since his time of graduation, being at one time assistant chemist for Benton, Hall and Company, Cleveland, Ohio. Coming to North Dakota he accepted a position as drug and beverage chemist under the State Food Commission. Later,

he taught various subjects of pharmacy until he was made head of the School of Pharmacy in 1919, which position he now occupies.

Professor Sudro is a member of Sigma Alpha Epsilon, Kappa Psi and Phi Kappa Phi fraternities. He has taken the work of all the York Rite bodies of Masonry, and is a member of the Shrine at Fargo, North Dakota.

Professor Sudro is married and has two daughters, both of whom are attending Fargo schools.

GEORGE L. BARONE, A.C., Ph.G., Ph.C.; *Gamma-Iota*

Owing to the comparative youth of Gamma-Iota Chapter, we have not, as yet, had a graduate who has become prominent in the eyes of the world as a whole, but there is no other man who has done more



G. L. BARONE, A.C., Ph.G.,
Ph.C., Gamma-Iota

for the chapter, won more interdepartmental recognition and covered himself with more glory scholastically, than George L. Barone.

"George," for we all know him as such, started his college training by entering the College of Chemistry, from which he was graduated in 1921 with the degree of analytical chemist. In the fall of that year, he entered the College of Pharmacy and was elected secretary and treasurer of his class. He was then chosen by his classmates to represent them on the Student's Activity Council, the student voice of the college, the highest mark of their confidence in his ability that they could bestow. In addition to these activities, he was a member of the Glee Club for two years and was secretary of the University of Buffalo Y.M.C.A. Club.

At the close of his freshman year two honors were conferred upon him. He received the freshman faculty prize for the highest scholastic

average in his class and was chosen a charter member of the Bison Head, honorary society, to be a member of which is the crowning ambition of every man who enters the University of Buffalo. The Bison Head is limited to those few students who have given an extraordinary account of themselves, both scholastically and in university activities.

In 1923, George graduated from the College of Pharmacy with two degrees, graduate of pharmacy and pharmaceutical chemist. He won the senior Peabody prize for having the highest average rating in his class and was awarded the Kappa Psi key.

George is at present working with Dr. A. B. Lemon and Professor Leon B. Monell in connection with the Educational Research Committee for the Study of Pharmacy from the functional standpoint, at the Buffalo headquarters in the Pharmacy Building.

To have been so active during his college life and yet win the highest honors, shows a mentality far above the average and we are expecting great things from George in the future.



R. H. RAABE, Ph.G., Ph.C.,
Dean, Gamma-Delta

RUDOLPH HENRY RAABE, Ph.G., Ph.C.; *Gamma-Delta*

Born in the woods of western Putnam County June 8, 1881. Son of early pioneer of Pennsylvania, Dutch and German origin his paternal grandfather landed in New York City in 1832.

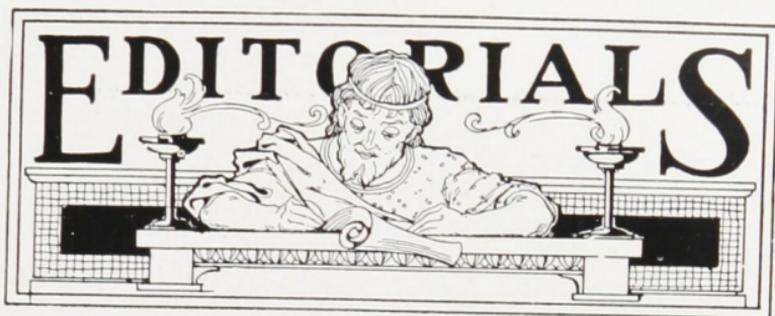
After completing a public school course he entered Ohio Northern University in the summer of 1900, where he remained until the close of the summer session of 1903.

He was apprenticed to a physician and pharmacist for three years and taught high school; graduated from Ohio Northern College of Pharmacy in 1910, receiving a Ph.G. degree, and in 1911 receiving a Ph.C. degree.

Assistant instructor in pharmacy at Ohio Northern University, 1911-15; instructor in botany and pharmacognosy, 1915-16; professor of botany and pharmacognosy, 1916-17; dean and professor of pharmacy from 1917 until the present date.

Charter member of Gamma Delta Chapter of Kappa Psi Fraternity. He is a member of the Ohio State Pharmaceutical Association, American Pharmaceutical and the American Chemical Association. He served as chairman on the committee on education in the Ohio State pharmaceutical Association.

He also holds a degree of Knights Templar and 32nd Degree Mason.



Dear Brothers:

The matters which follow are of extreme importance and should be immediately conveyed to every member of our Fraternity.

The action on the matter of separating the pharmacy chapters and the medical chapters of Kappa Psi was unanimous at all three sessions (Portland, St. Louis and New York) of the 1924 Grand Council Convention. There was not a dissenting vote and everything was delightfully harmonious. The details of separation were left to the grand officers of Kappa Psi, who have the following *official report* to make to the *pharmacy* chapters

1. Kappa Psi Pharmaceutical Fraternity is the name chosen for the pharmacy division of old Kappa Psi Fraternity. The significance and desirability of this name will be brought out in the revised Ritual which will be issued shortly. It will also enable us to continue our claim as the oldest pharmacy fraternity, as well as other historical facts and traditions. Your chapter should at once identify itself as a chapter of Kappa Psi Pharmaceutical Fraternity.
2. Our quarterly is now known as "The Mask of Kappa Psi Pharmaceutical Fraternity." The much delayed November '24, issue of THE MASK, purposely delayed in order to publish in it (As number 4 of Volume 21) the recent convention news of old Kappas Psi, has appeared giving convention details.
3. The *badge, pledge button, recognition button, key, insignia, coat-of-arms*, etc., of Kappa Psi will be used.
4. The official colors of Kappa Psi Pharmaceutical Fraternity are scarlet and gray.
5. The official flower, the *red carnation*.
6. The *Constitution and By-Laws* are similar to that of $\text{K}\Psi$, eliminating the words "medicine" and "medical" wherever they appear and their applications.
7. A revised *Ritual* is being published and will soon be distributed.
8. Your *chapter name* will remain unchanged. (Mixed chapters see paragraph No. 12.)

9. In preparing material for your *college annual* make sure to change the roll and name. The January issue of THE MASK lists our collegiate chapter roll (thirty-four collegiate chapters) as well as our graduate chapter roll (twenty-eight graduate chapters). Thus you will see that the prestige, standing, etc., at the top of the national pharmacy fraternities will be retained.

10. The *temporary national or grand officers* of the Grand Chapter of Kappa Psi Pharmaceutical Fraternity are as follows:

Grand Regent: W. Bruce Philip, A.B., Ph.G., Phar.D., (*Gamma, Beta Gamma*), professor in College of Pharmacy, University of California; vice-president A.Ph.A.; Past Grand Historian. *Address:* 202 Balboa Bldg., San Francisco, California.

Grand Vice-regent: Florin J. Amrhein, Ph.G., Ph.C., (*Mu*), professor in Massachusetts College of Pharmacy. *Address:* c/o College, Boston, Massachusetts.

Grand Secretary-Treasurer: P. W. Eldridge, Jr., (*Delta*), Past Grand Regent; Past Grand Editor. *Address:* 6 Church St., New York City.

Grand Registrar-Editor: A. R. Bliss, Jr., Ph.G., Ph.Ch., Phar.D., M.D., (*Gamma*), professor in the School of Pharmacy, University of Tennessee; Past Grand Historian-Editor. *Address:* 1489 Poplar Blvd., Memphis, Tennessee.

Grand Historian: L. K. Darbaker, Ph.G., Phar.D., (*Beta-Kappa*), professor in the School of Pharmacy, University of Pittsburgh. *Address:* c/o College, Pittsburgh, Pennsylvania.

Successors of the foregoing will be elected in the usual fashion at the next convention of Kappa Psi Pharmaceutical Fraternity.

11. All chapters will continue to function in the usual fashion without any interruption of any sort. The dues, other financial obligations, reports, records, etc., etc., will continue as at present, and must be sent to the office of Doctor Bliss. The fact that Kappa Psi Pharmaceutical Fraternity is entirely and completely pharmacy, with its chapters limited exclusively to Class A pharmacy schools, should renew and increase enthusiasm and spirit, and spell a new era in the remarkable history of our Fraternity, which stands as the *oldest, largest and strongest* of them all.

12. The *mixed chapters* have arranged an orderly and harmonious reorganization into two separate, independent and complete chapters, one a *medical* group, the other a *pharmacy* group. The *medical division* has decided on the name Theta Kappa Psi Medical Fraternity and each medical group becomes an independent chapter of Theta Kappa Psi Medical Fraternity, while the pharmacy group becomes a chapter of the Kappa Psi Pharmaceutical Fraternity.

Graduates of both pharmacy and medicine retain membership in both fraternities.

We want every member (collegiate, graduate and faculty) of the Kappa Psi Pharmaceutical Fraternity—the *100 per cent pharmaceutical*

fraternity—to co-operate with the new grand officers in continuing and expanding the excellent and important work of our organization. We are absolutely positive that nothing but success in great measure will attend our efforts so long as they continue to be sincere, continuous and whole-hearted. Co-operation is the secret of both chapter and national success. Do your share.

The present Constitution and By-laws, Ritual, etc., etc., will continue in force until the revised ones are issued by the Grand Chapter. These things will be published within the next few months. In the meantime, be patient, exerting all your efforts toward the advancement of Kappa Psi Pharmaceutical Fraternity.

If you have not secured your full quota of freshmen, GET THEM NOW. You CAN and you WILL if you will but GO AFTER THEM.

If there is a school near you in which we should place a chapter of Kappa Psi, send a committee over to them and "start something" at once.

As we said above, there is absolutely no reason for your chapter doing anything else but continuing at work smoothly, harmoniously, continuously, and with a decidedly marked increase in its enthusiasm and "pep," in the knowledge that a new era of SUCCESS awaits your efforts.

Faternally yours,

A. R. BLISS, JR.,

Grand Registrar and Editor of Kappa Psi Pharmaceutical Fraternity,
1489 Popular Blvd., Memphis, Tennessee.

PEARLS OF WISDOM

From *Bulletins* of GRAND REGENT W. BRUCE PHILIP, *Secretary, Central California Druggists' Association*

Watch Out for Stockholders' Liability

Drug store merchandise is being sold with the added feature of giving the druggist buyer shares or blocks of stock in drug manufacturing concerns, the sellers holding before the druggist brilliant pictures of alluring dividends and increases in stock values. Our members may be interested in the section of the Civil Code 322, that reads in part as follows:

"Liability of Stockholders—Each stockholder of a corporation is individually and personally liable for such proportion of all its debts and liabilities contracted or incurred during the time he was a stockholder as the amount of stock or shares owned by him bears to the whole of the subscribed capital stock or shares of the corporation. . . . Any creditor of the corporation may institute joint or several actions against

any of its stockholders for the proportion of his claim payable by each, and in such action the court must ascertain the proportion of the claim or debt for which each defendant is liable, and a several judgment must be rendered against each in conformity therewith. . . . The liability of each stockholder is determined by the amount of stock or shares owned by him at the time the debt or liability was incurred, and such liability is not released by any subsequent transfer of stock." The liability of each stockholder of a corporation formed under the laws of any other state or territory of the United States or of any foreign country and doing business within this state, is the same as the liability of a stockholder of a corporation created under the constitution and laws of this state.

**A Dangerous
Practice**

If salesmen, endeavoring to obtain your liquor trade, leave with you samples of their products, druggists should realize that they then possess liquor not obtained according to the terms of their permits. Should these samples left be confiscated by an inspector and turn out to be synthetically made liquor the druggist's good name, permit and bond are jeopardized. It is next to impossible to prove the receipt of these samples and the druggist is left in the dangerous position of being liable as a rectifier of liquor carrying heavy internal revenue taxes and penalties.

**Idaho Druggists
Politically
Successful**

Recent election returns from Idaho tell us they will have three druggists in the Senate and three druggists in the House during their next session of the state Legislature. Their governor is also an ex-druggist.

To those who believe that the pharmacist is not capable of holding high state offices and other "doubting Thomases," who believes that druggist's organizations cannot put over their candidates, this recent achievement of Idaho should stand out like the "Stop, Look and Listen" signs which we see at every railroad crossing.

**Second-Hand
Bottles are
Dangerous**

Druggists who allow customers to make their drug stores handy places to get rid of old bottles, or who receive second-hand bottles in any way, should examine these bottles immediately on receiving them. If any contain dregs of whiskey, gin or other liquors they should be immediately destroyed or thoroughly washed. An inspector finding empty whiskey or liquor bottles anywhere in a drug store must mention this in his report. It at least places the store under suspicion.

CHAPTER SEALS

Below we reproduce the chapter seal of Beta-Kappa Chapter in the University of Pittsburgh, College of Pharmacy. The design is a splendid one. Other chapters might well follow the general plan of this seal.



We have the following suggestions, however, to make: (1) the mask might be improved; (2) the university's name placed at the top under the word "pharmaceutical"; and (3) the date of installation of the chapter placed at the bottom under the chapter name.

DON'T DO JUST ENOUGH TO EARN YOUR PAY You Will Never Get More Unless You Are Worth It

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Among the young men who are fond of making sarcastic references to Fate because they have not been more successful, this expression is very common:

"I'm earning all the money I'm getting. I don't intend to do any more work than I'm paid for."

A great many men follow this rule very carefully. They estimate what they think they ought to do to earn their salaries, and they do that and no more. They feel that they are absolutely just to their employers because they are conscientious in their effort to earn exactly what is paid for.

This logic may be sound, although usually a man's estimate of what work is worth is not very accurate; but it is about as dangerous a mental attitude as a wage earner can take.

If a man is not worth more than he is getting, it stands to reason that HE WILL NEVER GET MORE.

As long as he is earning his present salary, his employers have no object in paying him one which he doesn't earn.

When a man who owns a business raises a salary, he does it because he finds it profitable to himself to do so. There is very little sentiment concerned in the transaction.

The employer doesn't pay a lazy man any more in the hope of making him industrious. That hope would never be realized.

He does not advance the salary of a man with the expectation that the man will be worth more to the concern. The employer knows that an expectation of that kind would be idiotic.

When salaries are raised, they are raised to meet the growing value of men who are earning more than they get.

The business man knows that to keep good men working for him he must pay them according to WHAT THEY DO, not what they would do if they got more money.

In all kinds of business where men are employed there is a large class of clerks and other wage earners who work only for pay day.

They are continually haunted by the fear that they will do more than their neighbor, who is paid the same, or that they will wear out their brains in order to make another man's fortune.

They will always continue to work for pay day, and their envelopes at the end of each week will always contain the same amount of money—or less; for when a man lacks interest in what he is doing he soon begins to fall off in his earning power.

Meanwhile, the men who keep interested, who are not afraid of doing more than they are paid for, and who are not so much worried about wearing out their brains as they are about using them too little, are the men whose wages are advanced.

Employers learn that such men steadily earn more than they are paid, and while their salaries may never keep pace with their value—there would be no profit in employing them if such were the case—they at least are progressing, and soon will leave their pessimistic young friends far behind.

Another thing which the man goes out after success soon learns is that when he does another man's work he must do it better than his predecessor did.

If one bookkeeper or clerk takes the place of another, he will attract no attention as long as he does the work EXACTLY AS IT WAS DONE BEFORE.

If he does not do it as well, he will not be likely to last very long in his new position, but if he does it BETTER, he will be noticed, and will stand an excellent chance of promotion.

In any business ruts are soon formed, and the man who takes the place of another finds it easier to get into the same rut and plod steadily along there, satisfied if he brings down upon himself no criticism.

He is usually sorrowful because he is not paid as much as the other man. He does the same work, he says, and he ought to get the same pay.

But the man who is doing the paying is not looking for that kind of substitute.

He is in a rut himself, and the fact that everything is going on as formerly make no particular impression on him.

But if the new man once gets out of the rut and does things that the man whose place he took could or did NOT DO, then he begins to be noticed and marked out for advancement.

All young men are naturally anxious to earn more money—to get, somehow or other, that valuable and useful thing which is known as success.

Unhappily, the systems of employment in use by the great corporations limit the opportunities of vast numbers of their employees, and make it necessary for many of them to work for far less than their services are worth; but the men who DO advance are not those who are the most careful to do only that for which they are paid.

And big corporations, as well as individual employers, are alive to the value of men who CAN LEARN TO BE WORTH MORE, and that is the kind of men who get the big salaries in the end, or acquire the information and experience which enables them some day to get into business for themselves, and become employers on their own account.

—*Brisbane.*

SONGBOOKLETS

K Ψ Songbooklets are exhausted. The Grand Council has been requesting new songs from the chapters for over a year without a single response! Get busy K Ψ poets and musicians so that we may revise the old songbooklet and add new ones. Until we have the needed material, we can do nothing.



"The death of any chapter means the useless waste of the constructive energy and sacrifices of others."

San Francisco, California,

January 28, 1925.

ALPHA

Dear Brothers of Kappa Psi:

I am overwhelmed with this new honor thrust upon me. It is the highest that I have yet received. May I perform the duties of the office so that our beloved Fraternity will continue its onward march of progress.

Kappa Psi Pharmaceutical Fraternity means everything in Pharmacy that is right, ethical and just. It means all of us behind everything worth while that adds dignity and character to our profession.

We need no new principles. Kappa Psi principles were always high. We have no apologies for the past. Our record is a high mark that we must work hard to equal. We do hope, though, to improve, but only because we have the foundation of our past from which to start. The lash of past accomplishments will urge us on.

To Theta Kappa Psi we extend the warmest wishes. The fellowship of kindred ideals and motives. They are truly our brothers in professional progress. The blood tie that binds us together can never be severed and should be kept ever strong as one of our dearest and most sacred privileges.

Brothers of Kappa Psi, this is is your Fraternity. It will be your efforts that will tell the story of its achievements. If I can help just a little I shall feel highly honored.

Fraternally,

W. BRUCE PHILIP, *Grand Regent.*

Pittsburgh,
January 27, 1925.

Dear Brothers:

We have found it somewhat difficult to get what we consider the proper co-operation from the alumni. It has seemed to us that too many of our graduate members fall away almost entirely from actual contact with fraternity life.

We could not believe that this was due in any measure to a lessening of their regard for Kappa Psi, because, when the occasion arose, they always rallied solidly to its support. Further, the very basic principle of Kappa Psi binds its members to it forever.

We conceived the idea of initiating a plan whereby each alumnus would carry over from his college days a real tangible bond in his Fraternity and its activities in addition to the memory links of student life.

This plan, in brief, is as follows. Each true knight in Kappa Psi is entitled, for the sum of twenty-five dollars, to secure a life membership. The money from these memberships is placed in a trust fund, of which only the income may be used for necessary activities. In actual operation this keeps the fund intact and affords the Fraternity, on a four per cent basis, an income equal to the regular yearly dues.

We have met with a fair measure of success, as the life members obtained in a period of eight months number fifty-three. We feel that this idea might appeal to others who are striving to advance Kappa Psi, and, possibly, be helpful.

Fraternally yours,

L. K. DARBAKER, *Grand Historian.*

GAMMA

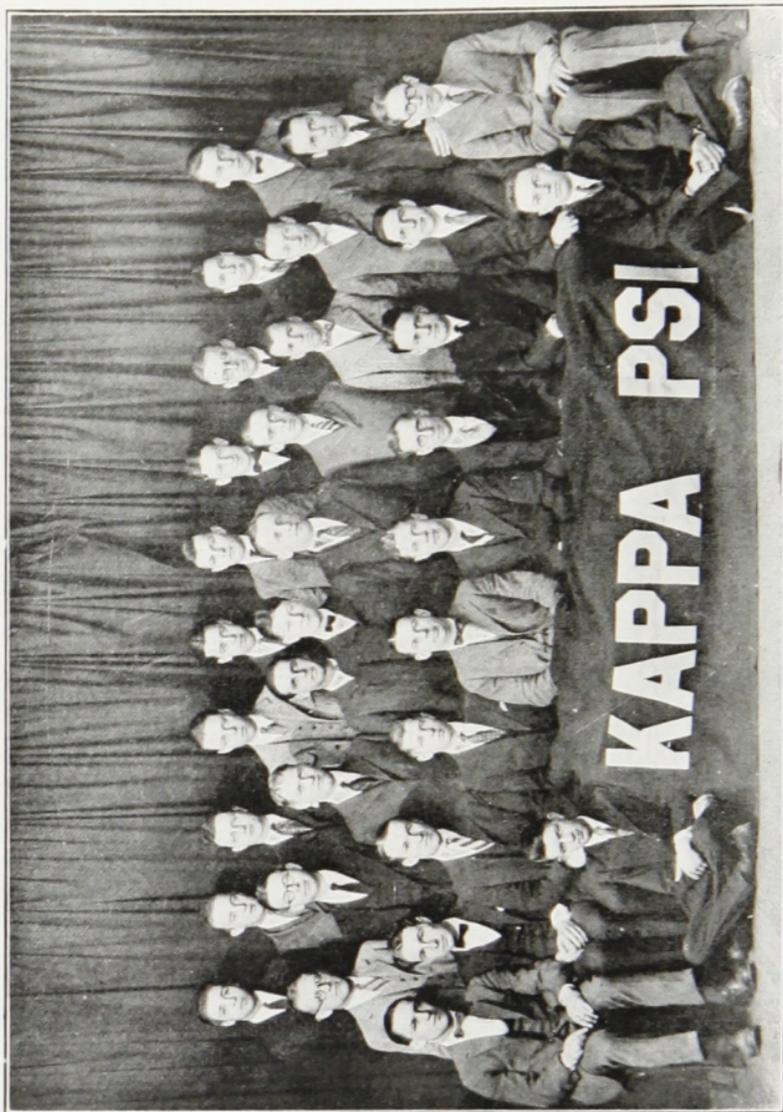
H. F. YECKEL, *Historian*

Gamma Chapter started the year 1924-25 by having a luncheon at Edgetts Harbor Inn, a few days after school reopened. There were eighteen active members in the chapter whose eighteen active mouths performed wonderful feats.

We held our annual smoker soon after, which proved to be up to Kappa Psi standard, as brothers from Omega will testify.

On November 21, the following members were initiated: Herbert Holmes, G. A. Klatt, Louis E. Langhein, James Lyons, Fred E. Schmitt, Rolland S. Snyder, Winford E. Sowersby and Theo. B. Van Stone. The ceremonies proved most successful, there being plenty of spirit in their administration.

The next landmark was the second initiation at which time Loftus Emdin, William Hunt, Dixon Hall, Edward Mazilauskas, George Steigener and Roland Tewksbury felt our spirited welcome. The members initiated on November 21 were there to liberate some of their surplus



GAMMA CHAPTER, COLUMBIA UNIVERSITY

energy, much to the dismay of those receiving the rites of the order. Two brothers from Omega and several faculty members were also present to participate in this delightful duty. In all it was a never-to-be-forgotten Kappa Psi initiation.

The annual dance will be held on February 27, at the Hotel Plaza.

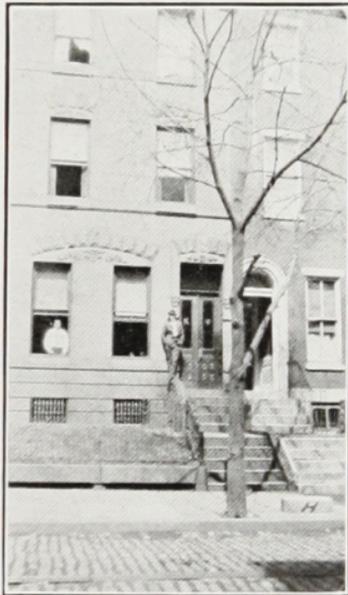
A great calamity befell us last November. Brother Chas. B. Haganman, '23, got married.

ETA

FRED A. P. CASHMAN, *Historian*

Again we find that Kappa Psi leads and all others follow in Philadelphia College of Pharmacy as in other colleges.

Eta Chapter started off the school year with a "rush," the first event being the election of Malcolm W. Cox, our regent, as president of the

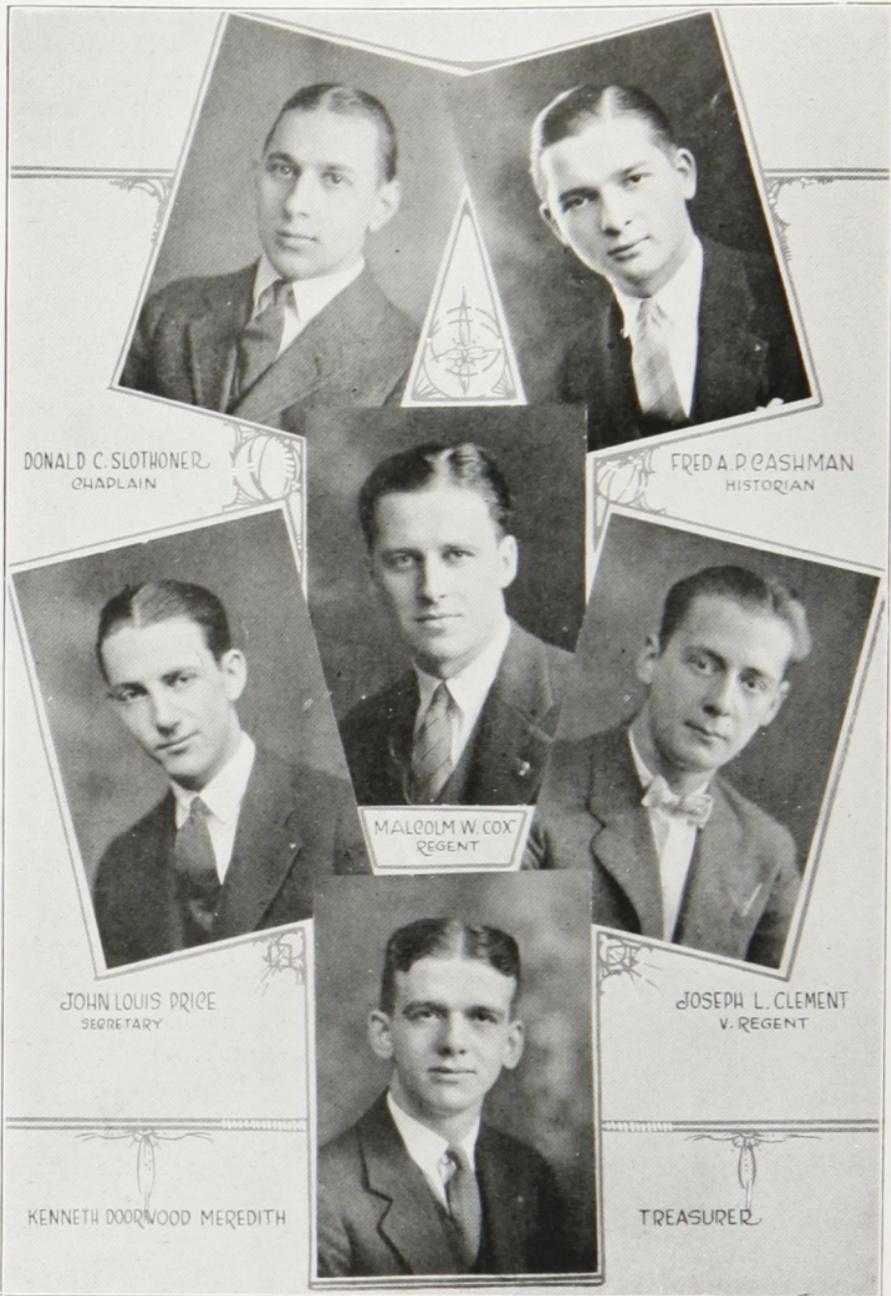


ETA HOUSE

senior class, which entitles us to hold all the big offices on the "graduate" staff.

After this excitement, we settled down to improve our house and have had several social gatherings at 1511 Green Street, which included two smokers and a dance, all of which proved big successes.

Soon after the smoker we rushed for new members, securing twenty-nine, among them being Professor Howard Kirk. We have several pledges which means another initiation to be held by our new officers after the coming election.



DONALD C. SLOTHONER
CHAPLAIN

FREDA P. CASHMAN
HISTORIAN

MALCOLM W. COX
REGENT

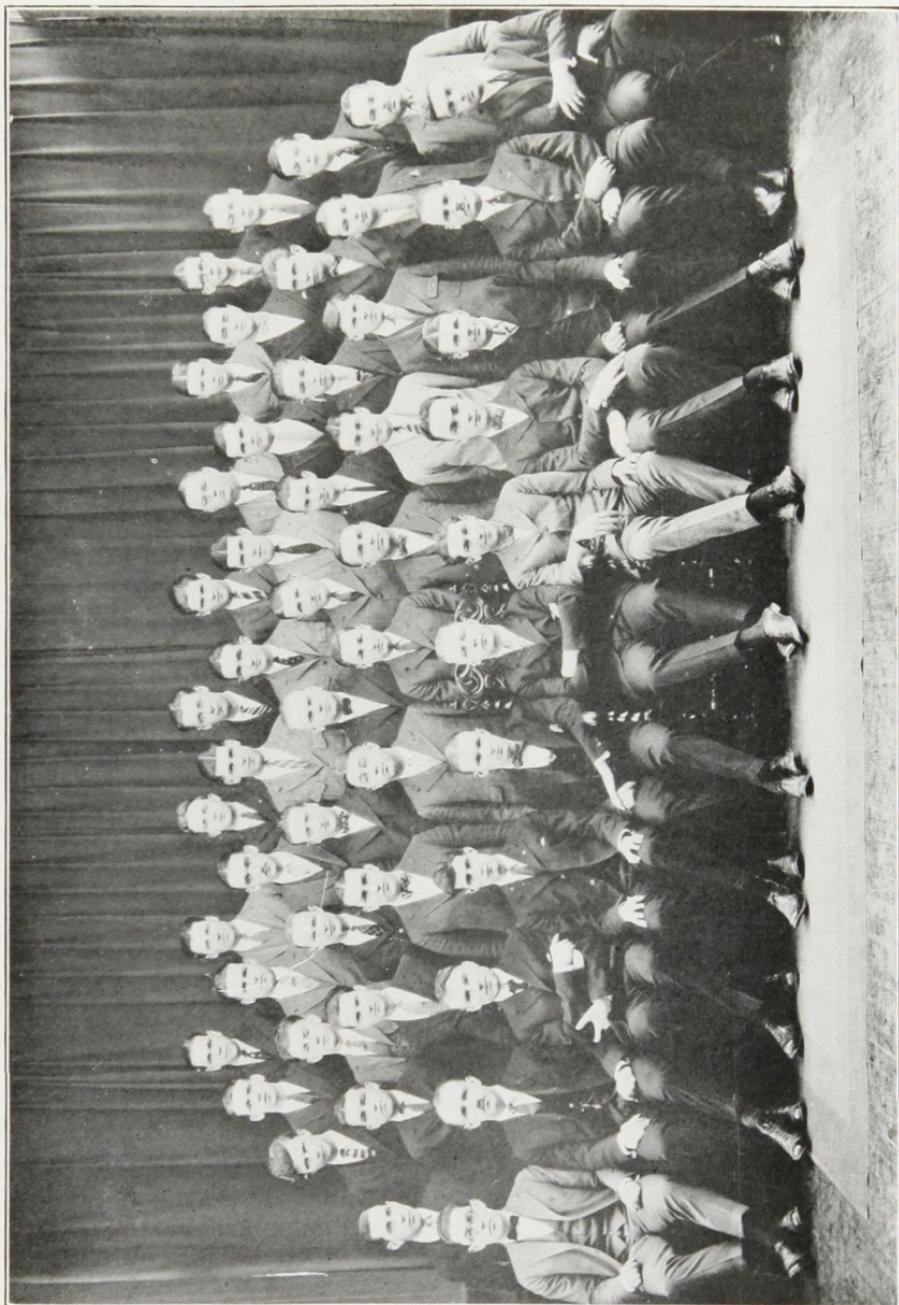
JOHN LOUIS PRICE
SECRETARY

JOSEPH L. CLEMENT
V. REGENT

KENNETH DOORWOOD MEREDITH

TREASURER

ETA CHAPTER OFFICERS



ETA CHAPTER, PHILADELPHIA COLLEGE OF PHARMACY

We are very proud of our home and have improved it considerably by opening our dining room, which seats forty persons. We have also added much new furniture, including a baby grand piano.

We are preparing for the big time of the year which will be a house party held February 12-15. This will be followed in April by our stag banquet, the purpose of which is to bring our alumni and active members into closer friendship.



INTERIOR ETA CHAPTER HOUSE

We are still working on our drive to purchase a new home and every day we get closer to our goal.

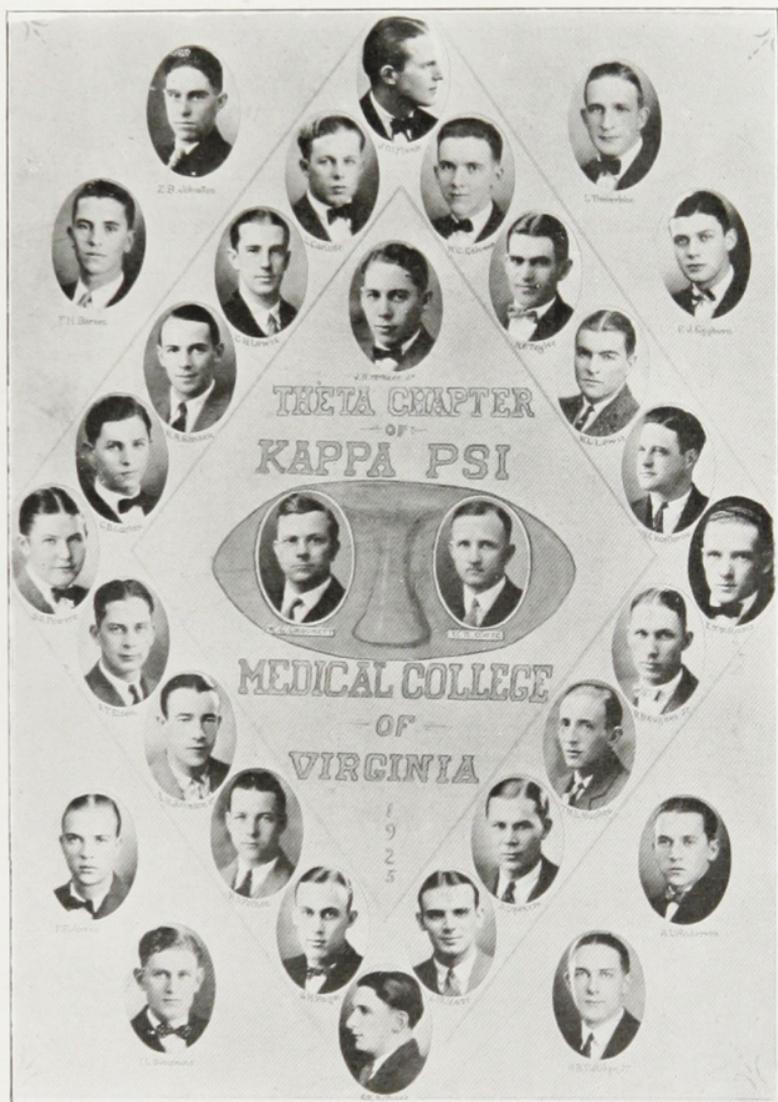
With the coming issue of *THE MASK* and our *Eta-Scope*, announcements of our progress will be made.

THETA

C. B. CARLAN, JR., *Historian*

Theta Chapter opened its scholastic year with unparalleled success, having back sixteen of last year's men, and in a short while twelve of the best men in the junior class were pledged to Kappa Psi. Among the twelve men pledged seven have attended other colleges where they all proved themselves worthy. The following men were initiated: F. H.

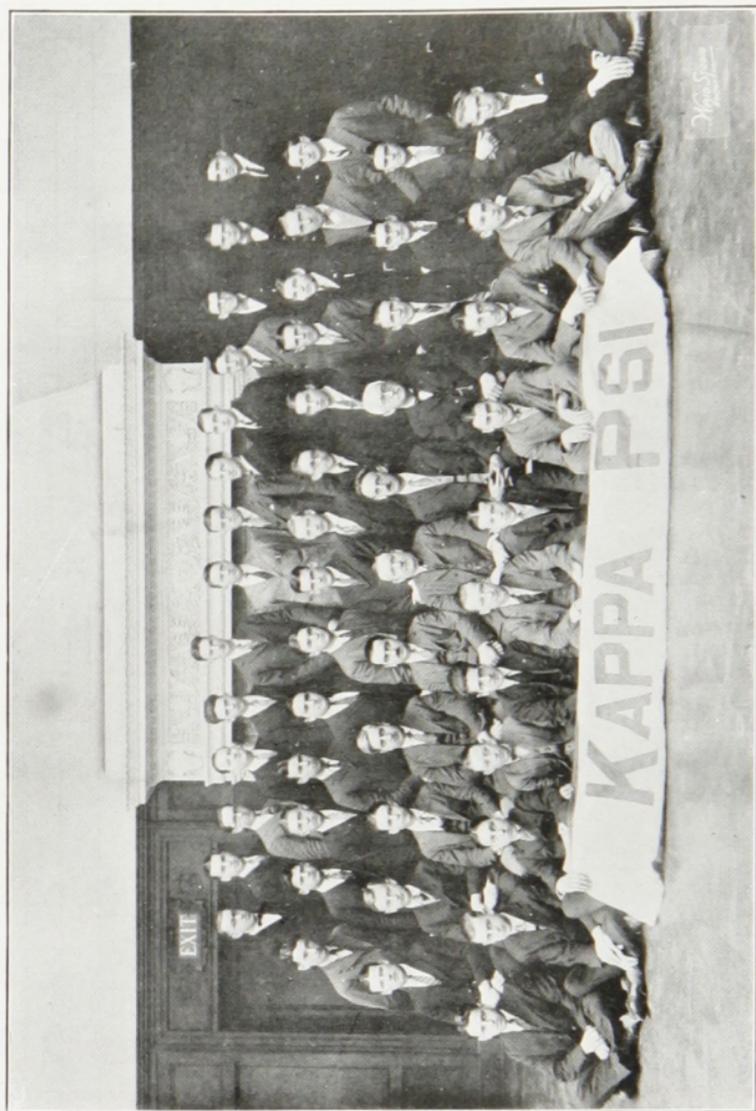
Barnes, Roanoke; G. B. Tullidge, Jr., Staunton; T. Timberlake, Charlottesville; F. P. Jones, Danville; A. T. Anderson, South Boston; T. H. Johnson, J. M. Nurr and H. S. Folkes, all of Richmond; T. Carlisle,



THETA CHAPTER, MEDICAL COLLEGE OF VIRGINIA

Berryville; Z. B. Johnston, Madison; C. E. Rothgeb, Luray, and C. B. Carlan, Jr., Galax.

Our annual smoker was held soon after school started and was a great success. The chapter soon began taking a leading part in the school activities, as it has always done and, because of the good men, it



MU CHAPTER, MASSACHUSETTS COLLEGE OF PHARMACY

has now the following honors: Brother R. B. Hughes, Jr., president of senior class; Brother F. H. Barnes, president of the junior class; Brother Jack Spencer, vice-president of the senior class; Brother L. Timberlake, secretary and treasurer of the junior class; Brother W. C. Coleman, member of honor council from senior class; Brother T. W. L. Hughes, cheer leader of senior class; Brother L. H. Johnson, secretary and treasurer of the Pharmaceutical Association. The election for secretary-treasurer of the student body will be held in a short time, and we hope that a Kappa Psi man will win for this is an office that Kappa Psi has held for eleven years.

Before Christmas much work was done on the fraternity rooms, making two rooms into one large one in which it is possible for us to give small dances. A stag banquet was given by the chapter just before we left for the holidays. This was greatly enjoyed and we were especially glad to have with us Brother Crockett and Brother White, who are now members of the faculty.

Since Christmas the chapter has given one dance, to which representatives from all the fraternities were invited. It was very successful, being one of the best given by any of the fraternities this year. About one hundred couples were present. Besides this dance several small dances have been given which were greatly enjoyed by all the brothers. We expect to have a final dance that has never been equalled in the history of all Theta.

Although we have not been able to obtain a chapter house we hope that in the near future we may have one. We still have rooms in the Lyric Building, and we can gladly say that the improvement made in these rooms has been of the very best which shows that old Theta Chapter is ever working upward.

MU

R. W. ST. CLAIR, *Historian*

All of the old friends of Mu Chapter will be glad to hear of the great strides that this chapter has made since last September.

The first event of the year, our annual smoker, was held at the college on October 3 with a goodly number of old graduate members present as well as fifty invited guests of the chapter. An address was given by our regent, Brother Richards, in such an interesting and forceful manner that before the end of the evening twenty-two men had pledged. Brothers Kelly and Amrhein, representing the faculty, also spoke emphasizing the peerless features of our Fraternity, while Brother Montieth, representing the alumni members, wound up the talks with a series of interesting and humorous anecdotes concerning his experiences as a member of Kappa Psi, both during his college days and since his graduation. Later in the evening a buffet lunch was served, thus bringing to a close this memorable evening.

On October 14, nine pledges were given their first and second degrees, at the first initiation of the year. They were (and most of them still are) as follows: Stephen H. Bradley, Fort Fairfield, Maine; Burton D. Chipman, Manchester, New Hampshire; Paul H. Robert, Worcester; Richard W. St. Clair, Cambridge; William R. Scollins, Jamaica Plain; Joseph P. Serpa, New Bedford; George Skenderian, Burlington; Wilbur A. Swanson, Somerville, and Harold Van Houten, Chillicothe, Ohio.

The following week a regular meeting was held in the alumni room at which time the third degree was given to those previously initiated. Before the business of the evening a chicken supper was served to the members present. Our professor and brother, Doctor Youngken, gave a talk on the merits of Kappa Psi at this time which was so much to the point that it gave new impulse to our campaign for success, and on November 6 another initiation was held at which time Brothers S. B. Parker of Littleton, New Hampshire, and E. L. Coffin, of Gray, Maine, were given their first and second degrees.

Another feature of our activities was the theater and dinner party which was held on November 18 with twenty-nine members present as well as a former regent, Brother Carson De Lon. Two days later, on November 20, a turkey supper was enjoyed by about forty members and guests in the materia medica room, among those present being Dean Bradley, Professor Youngken, Assistant Professors Thompson and Amrhein, and Instructors Kelly, Belanda and Ohmart. The dean gave a most interesting talk on patriotism, and then, as trustee for the Kappa Psi Scholarship Fund, he presented Brother Joseph Perry Serpa with this year's senior scholarship, after which Mr. Belanda entertained with selections on the piano. Later in the evening a business meeting was held in the alumni room.

A business meeting was held during the first week of December and another was held on December 16, at which time Professor Amrhein was presented by the chapter with a specially designed Kappa Psi key, in appreciation for the active interest he has taken in our welfare.

The first meeting after the Christmas vacation was a strictly business meeting and was held on January 8.

On January 15 our third initiation was held at which time six pledges were given their first and second degrees. They were: Philip Stanley, South West Harbor, Maine; Raymond Chamberlain, Canton, Maine; Thomas O'Brein, Lynn; D. F. Diffley, Norwich, Connecticut; Pat O'Donnell, Houlton, Maine, and Henry Suchnicki, New Bedford.

The election of officers took place on January 23, and, under our new régime, we expect to continue our good work with renewed vim.

SIGMA

H. HAYWOOD, *Historian*

At the opening of the scholastic year, Sigma Chapter had but three active undergraduate members. Although this was quite a disadvantage,

the enthusiasm and zeal of the remaining small group aided by that of our faculty members soon overcame it. A large freshman class furnished good material for Kappa Psi, and now the chapter has fifteen *active* undergraduate members. The word "active" is used in every sense of its meaning as every man is working and working hard to push the chapter forward. Evidence of our activity stands out prominently in the school. Everyone is interested and at this time we have six more men pledged.

We all had a big time at a smoker held in the earlier part of the year. In April, a dance, which was planned to bring together our graduate brothers, will be given. Our plans are to yearly repeat this renewal of fraternal bonds.

Due to conditions mentioned in the first part of this letter, we do not have a chapter house, but plans for obtaining one have been worked out. Now it will only be a matter of a little time before Sigma Chapter of Kappa Psi will hang up its plaque in its own home.

UPSILON

J. V. DRISKELL, *Historian*

On Friday night, October 24, the Upsilon Chapter, located at the Louisville College of Pharmacy, Louisville, Kentucky, gave a smoker at the Seelbach Hotel. This smoker was more of a get-together affair than it was formal. Pledges and prospective members were invited and met by the active members, all of whom were present. Besides the student members, there were present Professors Curry and Stoll of the pharmacy faculty, Dr. A. R. Middleton, Professor of Biology at the University of Louisville, and Brother Martin, regent of the Beta Mu Chapter at the Medical College.

Professor Curry, the first speaker of the evening, chose for his subject "Scholarship and Fraternalism."

Upsilon is quite proud of having two such brilliant faculty members as active members of its chapter.

Dr. Middleton made quite an interesting and forceful address on "Graduate Chapters."

Marion E. Waldrip, member of Upsilon Chapter, who was formerly with Al Field's Minstrels "put on" a Black-Face Sketch that was a "knock-out" from start to finish.

Music was furnished by a local trio.

This smoker was one of the most enjoyed entertainments that Upsilon Chapter has ever put on. Regent Selby presided and it was largely due to his efforts that everything went off in such fine style.

As a note of interest to Kappa Psi members, we mention the fact that regent-elect Ray Fowler took junior class first honors last year,



UPSILON CHAPTER, LOUISVILLE COLLEGE OF PHARMACY

and that Rexford Burdette, a Kappa Psi, won the Jones scholarship prize offered to seniors through competitive exam.

Upsilon predicts a record chapter this college year.

In a previous letter or report to THE MASK we told of a smoker given for the entertainment of members of Upsilon Chapter and prospective pledges. Since that time we have initiated seven junior men and one senior and we want to say that they are the pick of the school. If prospects for a record chapter were fine at the first of the year they are superfine now.

The third degree was given to the new men at the Seelbach Hotel on Friday night, January 23. This was followed by a dinner in honor of the occasion. Regent Selby acted as toastmaster and our friend Dr. Middleton of the University of Louisville was the spokesman of the evening.

Dr. Middleton's address was confined mostly to the separation of the medical and pharmaceutical chapters of Kappa Psi. He gave the new men a clear insight into the causes of the separation and followed it through until the actual separation last month. He also cleared up the hazy points for the old members by answering any questions they asked.

After Dr. Middleton's address the regent asked for short talks first from the new members and then from the old members. These were both interesting and witty.

OMEGA

T. J. PERKINS, *Secretary*

Regent: Louis Constant Ghiosay, 309 Hoboken St., West Hoboken.

Vice-regent: Frederic Irving Rowe, 383 Hillside Ave., Orange.

Secretary: Thomas Jefferson Perkins, 1173 Springfield Ave., Irvington.

Treasurer: Alston L. Voorhees, Branchville.

Charles H. Arnoldi, 105 Central Ave., West Hoboken.

Stephen V. Meagher, 32 McKinley Ave., Trenton.

Clinton Spaar, 94 Clinton Ave., Clifton.

Stephen M. Duschack, 188 Washington Ave., Perth Amboy.

Anthony J. De Rosa, 172 Prince St., New York City.

William J. McNulty, 60 Harrison Ave., Montclair.

Vincent A. Barra, 108 Seventh Ave., Newark.

Joseph D. Billogan, 325 York St., Jersey City.

Omega, while comparatively young, has been doing some wonderful work here in all lines, fraternal, scholarship and throughout the school as a whole.



OMEGA CHAPTER, NEW JERSEY COLLEGE OF PHARMACY

Omega was installed on March 31, 1924, less than a year ago, with twelve charter members. Since then we have grown until we now number twelve graduates, seventeen active men, five faculty members and eighteen pledges.

Our college is a relatively small one yet we have some good material in the junior class but we have been unable to pledge or initiate them, due to a college ruling, until after the mid-term exams.

We gave a smoker a couple of months ago and invited all the promising looking juniors and from the looks of them, Omega's future is bright.

This year has seen the first athletic association at the college and Professor Noh was appointed athletic advisor and Francis Favota, '25, president; S. Kelly, '26, secretary-vice-president; Anthony Casabara, '25, treasurer, and D. Vitale, '26, assistant treasurer. All these men are Kappa Psi or pledges. Beside them we have John Silsby, '25, class president; Harry Petrozzini, '25, vice-president; John Denver, '25, treasurer; R. E. Parks, '26, president class; J. Little, '26, vice-president; Ed. Renner, '25, chairman entertainment committee; A. Pennochio, '26, chairman entertainment committee; B. Chiego, '26, chairman emblem committee.

Renner, '25, Silsby, '25, Chiego, '25, Casabara, '25, are on the varsity team.

This year will also see the second issue of the *B-Ray*, the college yearbook. Dean Fishelis, Professor Noh and Professor Fanslau, the advisory board, and J. Silsby, assistant editor, F. Cizon, business manager, and H. Petrozzini, assistant business manager, are all Kappa Psi men.

A few months ago we held our first initiation and initiated Dr. Little, professor of organic and general chemistry; Dr. Dettmar, professor of pharmacognosy, Dr. Fanslau, assistant professor of pharmacy, and William Cuirczuk, one of the seniors.

The initiation went off in fine shape. The lights gave out and we had to work by candlelight and this surely is a wonderful aid to the impressiveness of the ceremony.

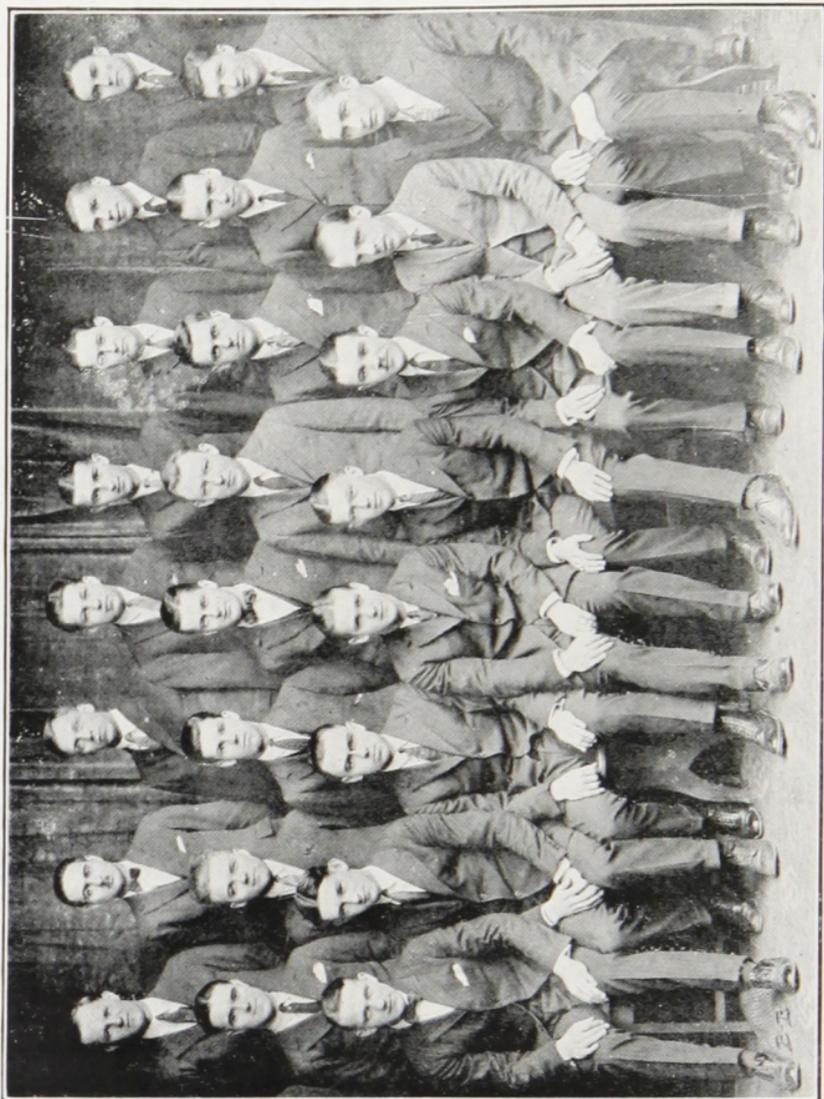
Omega "stepped out" into society on February 5, when we held our first annual formal dance at the Hotel Riviera.

The hall was appropriately decorated and Chairman Petrozzini deserves the credit for the wonderful success of the affair.

Punch was served and they are still trying to find out who made it and the why and wherefor of it but as it had no toxicology, everyone enjoyed themselves.

Omega intends to make her second step into the limelight in the near future when she gives her annual reunion banquet.

We are indebted to Dean Fishelis and Professor Noh for the success of the chapter and it seems that Brother Noh never has too much to do but what he can always add a little more if it's for the good of Kappa Psi.



BETA-BETA CHAPTER, WESTERN RESERVE UNIVERSITY

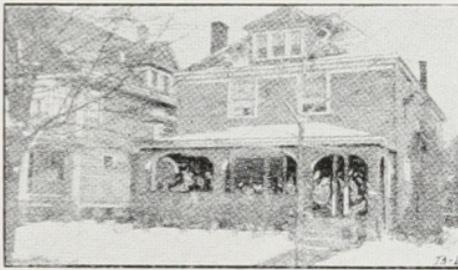
BETA-BETA

R. A. WAGNER, *Historian*

Beta-Beta Chapter still keeps its reputation as THE "high voltage" organization on the campus, both socially and intellectually. The general class standing at the end of the first semester was exceptionally high and no necessity was found for dusting up the paddles on our freshman brothers.

The number of men initiated this year was eight, and due to the decision to keep the quota at this low figure, the men were picked with more than the usual care.

Numerous smokers and dances have been held and everything possible has been done to keep in close touch with the alumni or inactive men still in the vicinity, a factor that seems to have been more or less neglected in the past. Due to the facilities of our new chapter house, house parties have been the favorite form of entertainment this year, the one



BETA-BETA HOUSE

held on Hallowe'en being particularly worthy of mention. The decorations were exceptional and much credit is due the entertainment committee.

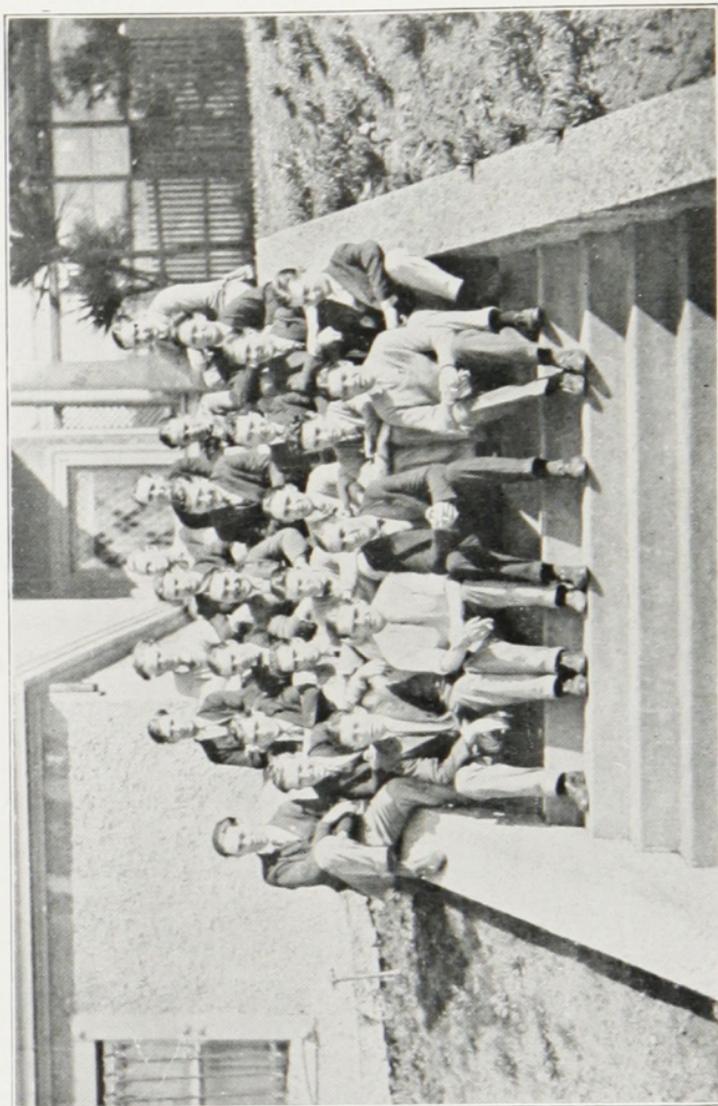
And while credit is being passed out we must not neglect to give the greatest bulk to our retiring regent, Brother Hickernell. Our success during the past year has been due to his untiring effort, and his unique idea as to a building fund has swelled the treasury, probably not to the saturation point, but to the extent that it will soon be possible to scorn the ranks of the rent payers and join the more dignified society of home owners.

Our treasurer, Brother Jewell, has also done his part by a systematic method of prying loose the shekels. From his size and overfed appearance, suspicious individuals might suspect that he has been appropriating funds for "hash house" purposes, but a careful audit of the books just before relinquishing his office put everyone's mind at ease.

The following is the list of newly installed officers. They will aim to outdo their predecessors, not for personal honor, but for the greater glory of Kappa Psi.

Regent: J. Henry Kaiser.

Vice-regent: Harry M. Smith.



PART OF BETA-GAMMA CHAPTER, UNIVERSITY OF CALIFORNIA

Secretary: Hayes J. Heter.
Treasurer: William G. Willoughby.
Chaplain: James J. Komarek.
Historian: Richard A. Wagner.
G. C. Deputy: Herbert Zettlemeier.

BETA-GAMMA

A. P. ESTES, *Historian*

Out of the Far West comes a message from a chapter that for the past few issues, we are sorry to say, has not been represented in THE MASK, but every member has pledged himself anew to Kappa Psi and



BETA-GAMMA CHAPTER HOUSE

with these men co-operating we hope to accomplish much for the good of our individual chapter and for the Fraternity as a whole.

Following is a list of the active members:

R. L. Tibbetts, *regent*, Petaluma; G. M. Nagle, *vice-regent*, 276 Oak St., San Francisco; M. T. Agnew, *secretary*, Red Lodge, Montana; R. E. Schrieher, *treasurer*, Pleasanton; A. P. Estes, *historian*, 408 Main St., Martin, Tennessee; Don Fletcher, *chaplain*, 2601 I. St., Sacramento; Elbert L. Coffee, *house manager*, Modesto; James T. Healey, 116 Sweeney St., San Francisco; B. S. Holm, 1939 Berryman St., Berkeley;

G. P. Freund, 60 Moffet St., San Francisco; Frank J. McGreal, 3359 Twenty-second St., San Francisco; John A. Crame, 1157 Church St., San Francisco; James H. Marsh, 717 Shasta Ave., Dunsmuir; Robt. S. Schramm, 467 Nineteenth Ave., San Francisco; W. J. Heisler, 2612 Havenscourt Blvd., Oakland; Wallace E. Show, 1802 Castro St., Martinez; Elbert L. Coffee, 1111 Twelfth St., Modesto; James F. Kelley, Bakersfield; W. Roland Hansen, Upper Lake; N. A. Edgars, Berkeley; Louis Racievich, Guernivelle; John O. Honnon, 149 Jardon Ave., San Francisco; Chas. E. Buxton, Fortuna; Rollin C. Clemons, Paso Robles; Edward Albers, 473 Ellis St., Santa Rosa; Garret Johnson, Gelroy; Vito Bonagiuso, Napa; Thomas S. Haldemon, Dinuha; Ben H. Corbin, Sebastopol; C. J. Healy, 1301 Nevin Ave., Richmond; Myers Leon Mobly, Nevada City; Clyde Skilling, Catate; C. A. Kirkendal, Dunsmuir; George J. Fagon, Vallejo; Ralph W. Meredith, Berkeley; Alfred Axelson, Richmond; Al C. Moye, Modesto, and P. J. Neelson, San Francisco.

Our chapter house is located in one of the most beautiful residential sections of fascinating San Francisco, overlooking the Golden Gate and the Pacific Ocean. It is within these spacious rooms, surrounded by the beauties of Nature and the West, that the boys get the inspiration to do "Pharmacog."

Until October, 1923, we resided at 900 Ashbury St., San Francisco, but due to the increased number of men, we were forced to get a larger house. We leased the present house for five years with option to buy.

During the rushing season at the opening of college we pledged twenty-four men. Sixteen of them were initiated on October 24. These men have in every way proved to be hard working, conscientious brothers—a great asset to the Fraternity.

The remaining pledges will be initiated the latter part of February.

Our influence in the college was plainly shown in the student body and class elections. A great majority of Kappa Psi men were elected to the superior offices. "We are leaders."

We have had several smokers and dances this year which resulted in a decided success. Much of the success of these occasions is due to the efforts of our alumni, who are always ready and willing to assist us in every possible way. They have the "real spirit" as well as our active members.

On December 20, 1924, in the Golden Gate Park Stadium, a question of rivalry between the second and third floors of the house was settled in the form of a football game—the third floor come out of this "hectic struggle" victorious by the score 14-13. The contest was characterized by the clean sportsmanship and "fraternal spirit" that is typical of Kappa Psi men.

Our athletic ability in the college is evidenced by the fact that we have three men on the first basketball squad.

August 20 found every man back at college ready for another record-breaking year for Kappa Psi in the University of California. The house officers for the year are as follows:

Regent: R. Tibbetts.

Vice-regent: J. Nagle.

Secretary: M. Agnew.

House Manager: E. Coffee.

Historian: A. Estes.

Treasurer: R. Schrieber.

Chaplain: Don Fletcher.

The house is progressing nicely under the leadership of these capable brothers.

On Wednesday afternoon of the opening week of college, we entertained the junior class with an informal dance and luncheon, which was "hugely" enjoyed by everyone.

The following Tuesday night was the scene of a smoker, held at the house for the students of the college. The bull flowed freely and everyone enjoyed the good fellowship that predominated.

Much enthusiasm was shown between the fraternities and non-fraternity organizations in the student body and class elections. Our political power and influence was well in evidence by having a greater percentage of Kappa Psi men installed in the superior offices.

While the rushing season was in progress, we were very fortunate in pledging twenty-five men. Sixteen of these men were initiated on October 24. These fellows have proven to be real, hard working, conscientious knights of Psi.

To stimulate interest and fraternal spirit we have given several informal dances, which were decidedly successful.

We were fortunate in being able to send two delegates to the Pacific Coast Conference, held in Portland, Oregon, the latter part of November. These brothers were well pleased with the manner and spirit in which the convention was conducted and they highly praise the northern chapters.

FROM THE STABLE

We are proud to state that we believe we have one of the "shiekist" regents "West of the Rockies," Brother Ralph Tibbetts. The boy is very exclusive. He smokes mild violets and uses perfumed magnesium sulphite as a "bawth" salt.

To walk through the house one would think they were in a traffic jam on Market Street by the "No Parking Signs" and "Safety Zones" in evidence.

The chief amusements for the erring brothers seem to be a three o'clock tubbing or a very impressive paddling. The boys sure wield a wicked paddle—I know.

To hear the juniors blow reveille at 7:15 every morning you would think they had put in a cruise in the Navy.



BETA-DELTA CHAPTER, UNION UNIVERSITY, ALBANY, N. Y.

Brother Coffee, our house manager, says a job a day for the juniors keeps the house in trim.

Brother C. Halderman, the Wanderer of the Wasteland of Southern California, thinks college spirit comes in a bottle.

BETA-DELTA

A. J. LANCE, *Historian*

When school opened its doors on September 12, 1924, Beta-Delta started off with a bang to make this the most successful and prosperous year in the history of the chapter. To date we have carried out these ideals and laid plans to complete them before turning over the reins of the chapter to our successors.

The first meeting of the new scholastic year found but one absentee, Brother George Cooper, who was unable to continue his studies on account of a severe illness which left him in a very weakened condition. We hope "Coop" will be able to help the boys carry on the work of Beta-Delta next year.

We held our annual smoker on the night of October 7, Vice Regent Roser presiding, due to the illness of Regent Boylan. Several members of the faculty honored us with short talks on the merits of fraternalism, after which we indulged in a light lunch, skillfully prepared by Brothers Badger, Heath and Morse.

Following the smoker our rushing committee, headed by Vice Regent Roser, started to weed out the many juniors who wished to gain membership in our Fraternity. The result was that twenty-one were pledged and the following were admitted to the secrets of the Agora: Leslie Miller, George Duguid, Charles Byrnes, Melvin Alsever, Harrison Sitterly, William McCarthy, John Hanford, Benjamin Russell, Gerald Hoke, Gilbert Potter, Richard Reimann, Clifford Shott, Lauren Millar and Edward Robinson. Following the initiation we sojourned to a near-by restaurant and proceeded to make merry as guests of our new members.

The chapter has taken a leading part in the school activities this year, both socially and in athletics. Some of the more pronounced victories won by Beta-Delta are: Brother Geo. Wilbur Wood, president of senior class; Brother Benjamin Russell, president of junior class; Brother Myron Walker, business manager of senior class and yearbook; Brother Edwin Boylan, member of the executive committee.

In athletics, Beta-Delta ranks first having Brother L. J. McKenna as manager of basketball, Brother George Lenny, captain of basketball, Brother William McCarty, varsity basketball, Brother Richard Reimann, varsity basketball.

As the holidays drew nigh we sent Christmas cards to the members of the graduate chapter and our friends from whom we received many replies which brought back pleasant memories of the days passed.

Beta-Delta was represented at the convention by Brothers Tanner and McKenna, and they gave a very satisfactory report at our first meeting of 1925. It might be well to say at this time that Beta-Delta will do her bit in making Kappa Psi the greatest pharmaceutical fraternity in the world.

On Friday, February 13, we are having a dance at the Hotel Ten Eyck for members, pledgees and friends. From all reports it will be one of the chapter's big social events of the season.

Beta-Delta wishes to take this opportunity of extending her greetings to her sister chapters and hopes that they too are enjoying a successful year.

BETA-EPSILON

L. A. WEAVER, *Secretary*

The following is a report of the Beta-Epsilon Chapter of Kappa Psi Pharmaceutical Fraternity.

We have been working under difficulties for the past year, but now we are going to "step on it."

The Rhode Island College of Pharmacy and Allied Sciences erected a new building, three stories in height, last year. The school sessions were held in temporary quarters.

A meeting was held on March 11 and new officers were elected as follows:

Regent: Archie J. Corcoran.

Vice Regent: Louis Sanford Crowell.

Secretary and Historian: Lester Allan Weaver.

Treasurer: Arthur Wheeler.

They were installed on March 18.

Ten new men are under consideration, all of whom are eligible.

BETA-ZETA

FRANK J. GOLDEN, *Secretary*

Beta-Zeta is glad to learn that there is to be a provincial letter each month and will do its best to help make the letter a success.

At the present time we have eleven members but hope to have a lot more early in February when we have a chance to initiate our eighteen pledges.

Our officers are:

Regent: G. Horace Coshow.

Vice Regent: Gerald Hewett.

Secretary: Frank J. Golden.

Historian: Rhosa Duncan.

Manager: Benj. S. Lafferty.

On the evening of October 31, Beta-Zeta staged an informal Hal-lowe'en dance which was attended by members and pledges and alumni living in the vicinity. The affair was such a success that another similar dance was given on the evening of November 14.

The Homecoming and annual Kappa Psi smoker brought back a large number of brothers. Those attending were: Ben Woods, Orlin Ireland, Howard Lamar, Pete Cordner, Ray Johnson, J. L. Stewart, Roscoe Thorson, Theodore George, C. O. Anderson, Theodore Black, Henry Sarpola, Albert Bayne, Charles Cottell, Jack Kelly, Robert Hughes, Harry Miller, Grump Hargot, Dr. W. T. Johnson, Dr. Gilfillan, Dr. N. L. Tartar, Floyd Flannery, Frank Albright, Darrel Bollam and Eugene Thompson.



BETA-ZETA HOUSE

All the Kappa Psi men in school and their friends of the opposite sex formally speared a bean at the chapter house on Sunday, December 7.

We are having plans completed for a \$30,000 home to be of Elizabethan style and made of brick and stucco which we hope to have finished within two years.

We're off! Beta-Zeta and grand old Kappa Psi, and what's more we are off on the right foot with an average of 84.75 per cent which ranks sixth among the nationals, and sixteenth among all the fraternities on the campus. Not bad is it?

We have just gone through one of the most successful rushing seasons that you or we have seen for many a moon. Fourteen new men have been pledged to our grand old Fraternity, and they are all live wires, not a dead one among 'em! The following is a list of the pledges: Rolland Follo, Manistique, Michigan; Earl Pearson, Baker; Frank



BETA-ZETA CHAPTER, OREGON STATE COLLEGE

B-Z

Parker, Independence; Robert A. Jones, Portland; Alfred Hill, Vancouver, Washington, transfer from University of Washington; Edwin M. Soderstrom, transfer from Stanford; (the last two mentioned are sophs); Dale Waddell, Baker; Raymond Karnath, Camas, Washington; Alwin Arnold, Camas, Washington, Max Price, Walla Walla, Washington; Homer Dee Oddy, Portland; Vincent Hurley, Portland; Kenneth Stone, The Dalles; Robert Wilbur, Hood River, and Rex Abraham, Reersport. There are several men yet whom we intend to bring over to the house soon. Some of them we have had over and others we have not yet had time to locate. We now have these fifteen pledges together with four old ones, and fourteen members. All told we have thirty-two men and twenty-five living in the house at present.

The rooks this year seem to be taking an active interest in college activities. This is what we want, we are all boosting for it and it will yet mean something.

Football holds sway at present. By the way, alumni, the old crêpe has at last been lifted from the campus as to our football team, under the leadership of Paul Schissler. He evidently has something on the ball if pre-season scores count. For instance, we quote our first game with Whitman which ended 41-0 in our favor. The spirit which prevails on the campus is at a high pitch, and the spirit of the fellows here in the house is anything but low. We are all out to win this year, the college, the fraternity and each individual.

We want to have, and expect to have, a lot of our old "grads" back for Homecoming this year. Little need be said but that you will be royally entertained. Listen, alumni, whenever you drop in on our fair city pay us a visit for "Welcome" is our motto, always. You might not know the old house as it is repainted, floors waxed, and shines like a couple of million. Old famous Fifteenth Street is paved now, so don't be afraid to drive your Pierces right up to the front door. If you have any friends bring them along. At least, let's get in closer touch this year—drop us a line.

This is the beginning of a new year, fellows. Let's make it a big one, let's all get together and push the ball. As you know we are still working hard for our new home, and if we all get in and dig we can have one of which we can all justly be proud. The lots are practically paid for. This we did last year and they came to \$1,700. Some of the "grads" have sent in money already this year for our building fund, and, to say the least, it certainly looks promising. Each fellow here in the house pays \$5.00 a month toward the fund, and it certainly all helps, so let's all boost a bit for we can if we try. Remember what it will mean to all of us to have a real house of Kappa Psis on a real campus. Let's get going, "grads." With our new pharmacy building we are going and going strong from now on.

Regent: G. Horace Coshow.

Vice Regent: Gerald R. Hewett.

Secretary: Frank J. Golden.



BETA-KAPPA CHAPTER HOUSE

BETA-IOTAW. T. LINN, *Historian*

On Saturday, November 29, at the Pacific Coast Conference of the Kappa Psi, seven pledges were initiated into the Beta-Iota Chapter of the grand old Fraternity. The initiation took place after a most delightful banquet and entertainment given in the grill of the Portland Hotel.

The new brothers are: Piank, Bithell, Linn, Boyle, McKandie, Wellar and Rapacz.

We consider it a great honor indeed to be accepted as brothers of the Kappa Psi, and truly enter the Fraternity with the spirit of progressiveness which has already carried Kappa Psi so far, and which has established it as one of the leading fraternities. It is due to the splendid work of Brothers Mickelson, Calloway and Grill that the Beta-Iota Chapter has again been firmly established, and to them is due high commendation.

On Monday, December 1, a meeting was called for the purpose of electing officers and considering new pledges. Brother Grill, a brother of the Kappa Psi since 1922, was unanimously elected to the office of regent; Brother Bithell was elected vice-regent, Brother McKandie, secretary-treasurer, and Brother Linn, historian. Brother Mickelson was unanimously elected as the faculty representative of the Beta-Iota.

As yet no pledges have been made in the freshman class, but operations along these lines will soon be under way. There are a number of fine chaps whom we are considering, any one of whom I am sure is fully qualified, taking into consideration both scholarship and good-fellowship, to become a brother of the Kappa Psi.

BETA-KAPPAR. W. KEOWN, *Historian*

The Beta-Kappa Chapter elected the following officers at a meeting held on January 26, 1925:

Regent: H. C. Shira, Grove City.

Vice-Regent: F. A. Williams, Brownsville.

Secretary: N. Schlagel, Pittsburgh.

Historian: R. W. Keown, Pittsburgh.

Chaplain: R. R. McCandless, Butler.

Dr. S. K. Darbaker was re-elected to serve as general secretary and treasurer. It seems that we can not get along without him in our chapter.

A new life membership committee was also elected as follows: C. Leonard O'Connell, Crafton, for a term of three years; Herbert Schwartz, Knoxville, for a term of two years, and C. M. Ehrhart, Altoona, for a term of one year.



BETA-KAPPA CHAPTER, UNIVERSITY OF PITTSBURGH

Our life membership has been going over fine, and under the newly elected committee we are all going to do our share in making it go still better.

Events have been going along splendidly in our chapter. We have had several successful dances at the house and a few smokers in between times to get everyone together for a general good time.

We are planning to make this year one of the best, or the best year we have ever had. With this object in mind, we have just published the first edition of a monthly letter, the "Beta Kappa News." We plan to publish this every month with the object of keeping the alumni in closer contact with the Beta-Kappa activities, and to keep the student and active members in closer contact with the alumni. We feel sure that these monthly publications will bring results, and are looking forward to a one hundred per cent turnout in all of our activities, and to the creation of a greater Kappa Psi spirit in the hearts of all of our members.

BETA-NU

H. W. MILLS, *Historian*

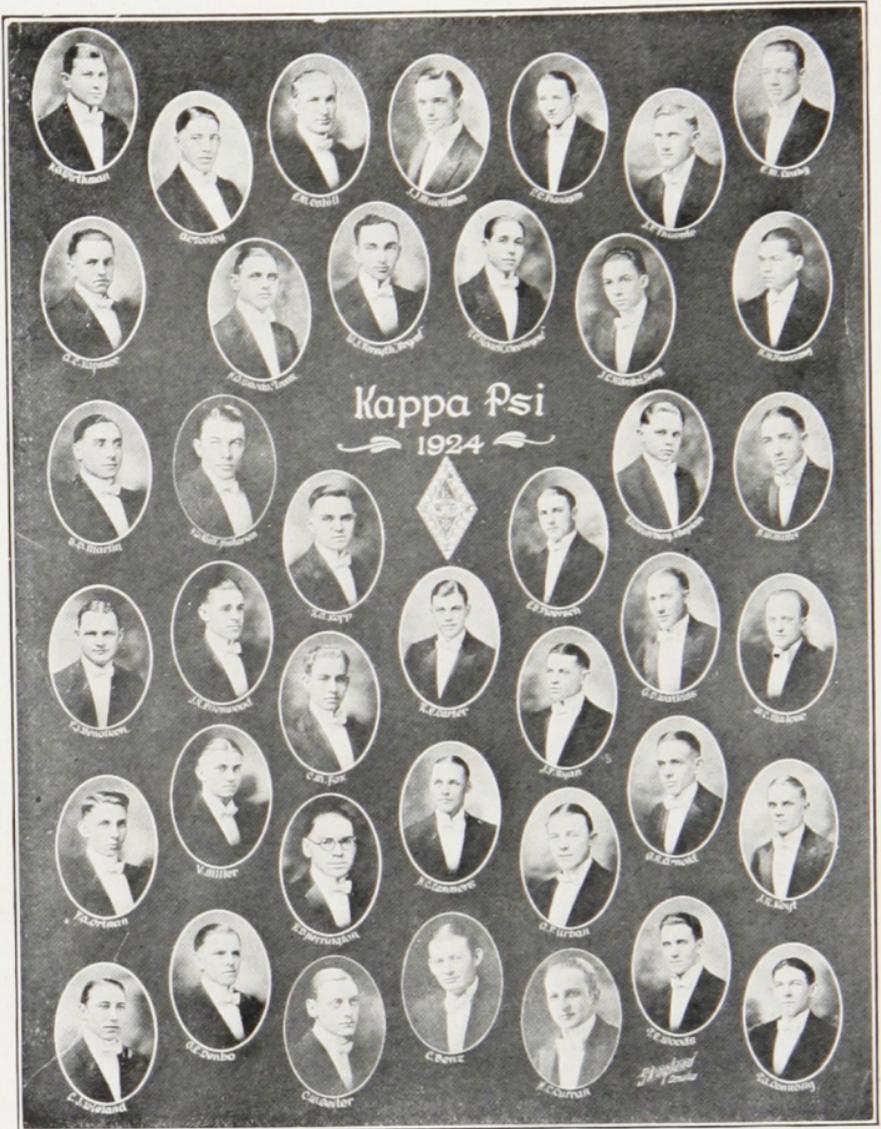
At the beginning of the school year things started off with a bang and since then we have been keeping the old spirit in our initiations, meetings and amusements. Our first big move was to give our prospective freshman students a real theater party. This created a strong



BETA-NU HOUSE

Kappa Psi enthusiasm among the lowerclassmen and, as the old saying goes, "The early bird catches the worm"; likewise Beta-Nu pledged the pick of the class.

After the first term exams our initiating committee immediately proceeded to act on our list of pledges and up to date we have taken in the following men: Killey, Boyer, Bronson, Chandler, McDougal, Hansen,



BETA-NU CHAPTER, CREIGHTON UNIVERSITY

Allen, Bald, Reiland, Doyle, Garrity, Buckley, Anderson, Kuhl, Abts and Brannon. We have eighteen more to take in so there is still a lot of excitement left.

All of our new men are grasping the ideals of the Fraternity and are showing an attitude which can spell nothing but success.

Socially, Beta-Nu has been a real success. During the month of October a novelty Hallowe'en dance was staged at the Prettiest Mile Club, but the biggest thing of all, and that which we will all remember, was our superb banquet given at the Omaha Athletic Club. After the banquet, dancing was enjoyed throughout the evening to the music of our own Kappa Psi orchestra.

Our regent, R. Kopp, much to our regret, was forced to leave us because of business transactions at his home. Too much can not be said of Mr. Kopp's accomplishments for Beta-Nu. However, our vice-regent, J. Muellman, has taken the office with the same determination and is proving himself a real leader. Under his supervision several more social activities have been planned for the near future.

We wish our Kappa Psi brothers success and extend to them a hearty handshake.

BETA-XI

J. P. HALL, *Historian*

Although we all hated to think of separation, we now realize that both the Kappa Psi Pharmaceutical Fraternity and Theta Kappa Psi Medical Fraternity have made strides that would not have been made if the separation had not taken place. We hear that Theta Kappa Psi has pledged a number of good men and we wish them the best of success in the future.

Beta-Xi of Kappa Psi has fifteen members: J. L. Baker, C. C. Fordham, G. H. Granthum, Jr., J. P. Hall, Fred Hodges, J. P. Hudson, G. P. Johnson, H. A. Moore and H. L. Rayburn, second-year men, and Chas. T. Crawford, D. F. Elmore, A. A. Gamble, E. M. Mann, C. J. Wortman, first-year men.

Pledges: William Edward Hardee, Stem; Albert Winfrey Clayton, Jr., Roxboro; Sam Jenkins, Fairmont, and Edward Bradshaw, Burgan.

While Kappa Psi is pledging men slowly, it is not the result of laziness. We are looking the first-year men over carefully and hope to have about seven or eight pledges by initiation, which takes place about the middle of the month.

Brother Baker won the Kyser pharmaceutical medal and Brothers Hudson and Rayburn are going fine on the University Glee Club. Pledge Clayton is a member of the Theta Rho Fraternity. Our only loss this year came as a result of matrimony; Brother Fordham, who had a very successful football season last fall and who is president of the



BETA-XI CHAPTER, UNIVERSITY OF NORTH CAROLINA

athletic association, was married last fall, although his marriage was not announced until recently.

As all three of the professors of the pharmacy school are Kappa Psi men and the pharmacy school, starting with next year, is to be a three-year school, we feel certain that Kappa Psi will continue successful.

BETA-OMICRON

H. HIGHLAND, *Historian*

Beta-Omicron Chapter has begun another promising year. At the beginning of the term we had twenty active members. Since then eight new men have been initiated. At present there is a wealth of material to choose from in the entering class.

About fifteen of the present active members will graduate at the end of the term. With this in mind the alumni are getting together to form a graduate chapter. We are helping them as much as possible because we realize that through a graduate chapter it is possible to have closer co-operation between the alumni and the collegiate chapter.

The graduate chapter will also aid us in getting a memorial to be given to the college in honor of Professor Linton. Professor Linton was a man of very high ideals, and always worked for the betterment of the college and the students. With these things in mind we have decided to give some fitting memorial which will keep alive his name and the ideals for which he lived. The memorial will probably be in the form of a scholarship fund, or a plaque on which the winner's name will be engraved each year. The winner will be the man who best demonstrates the ideals of Professor Linton.

Our social functions are bigger and better than ever before. We are allowed only three dances a year and we make them the best possible. Our final dance will be at the new Olympic Hotel and will be the best of them all.

We expect to make this a banner year for Kappa Psi at Washington.

Beta-Omicron Chapter of Kappa Psi has at the present time twenty members.

Regent: Donald Campbell.

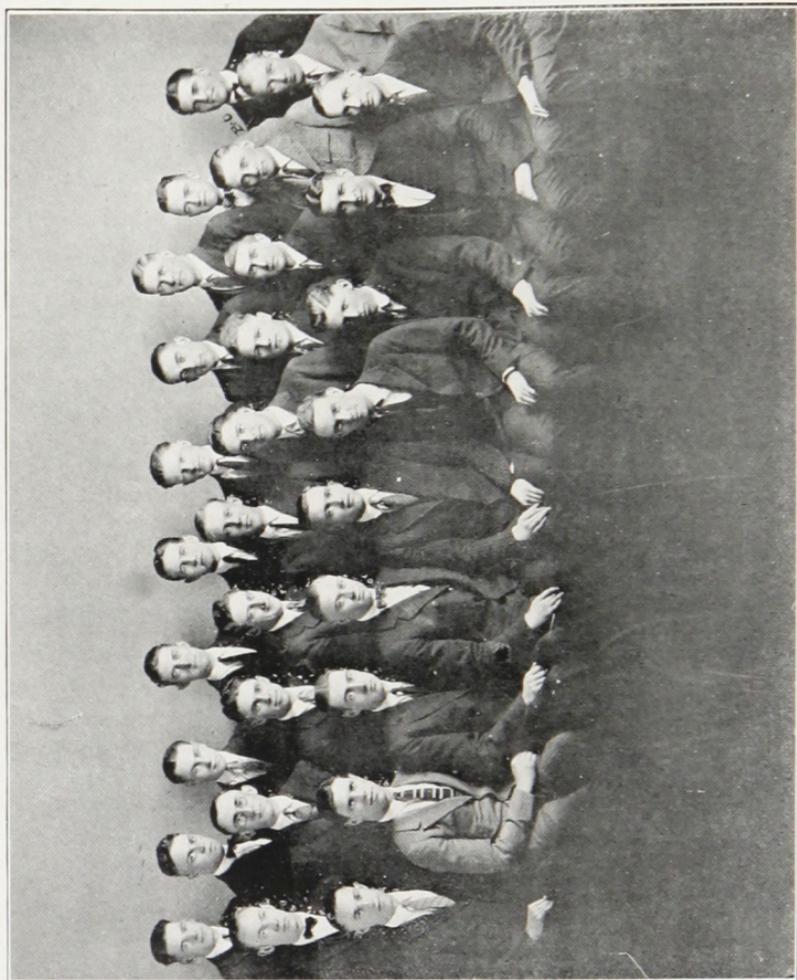
Vice-Regent: A. Peterson.

Secretary and Treasurer: G. B. Swanson.

Historian: H. Hyland.

Chaplain: P. Meyers.

Ten pledges were given their first and second degrees on December 21, 1924, and the third degree was conferred on January 9, 1925. We also have seven pledges who are to be initiated in the near future.



BETA-OMICRON CHAPTER, UNIVERSITY OF WASHINGTON

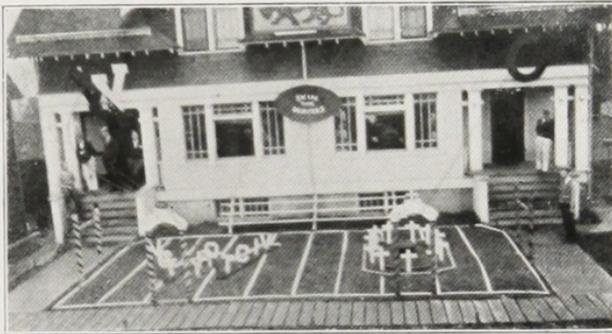
Beta-Omicron gave a dance November 22, which was well attended. The graduate members are meeting every two weeks with the idea of organizing a graduate chapter.

BETA-PI

CHAS. H. PETERS, *Secretary*

School started with a rush this year, many of the boys arrived early and this time was spent in cleaning up the house and getting ready for rushing of the frosh.

Beta-Pi Chapter started out with six pledges and now we have eleven; namely, B. H. Gruber, I. R. Bunderson, H. R. Norman, J. L. Wagness,



"HOMECOMING DAY" AT BETA-PI CHAPTER HOUSE

Milos Parrott, G. W. Stewart, Clifford Rohrbacher, M. J. Dirstine, Clark Fitzgerald, Jr., John Offcutt and B. B. Dinsaw.

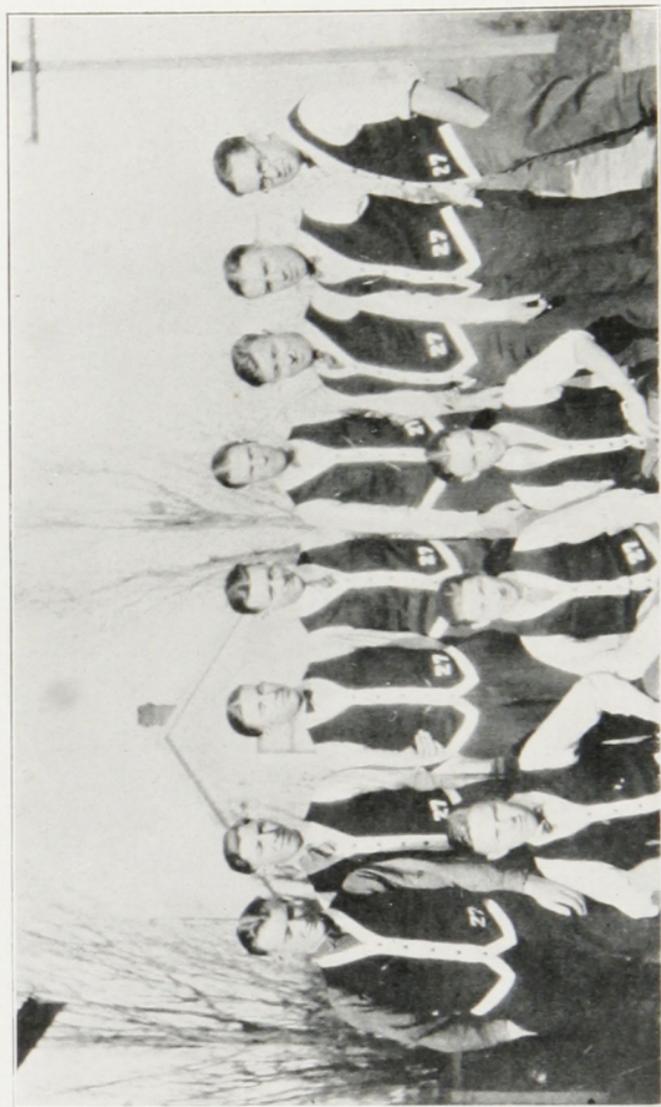
We have eleven active members living in the house, and our officers are:

Regent: Paul Mickuss.
Vice-Regent: Berton Frink.
Secretary: Charles Peters.
Treasurer: Gunnar Nelson.
Historian: R. F. Hart, Jr.

Most of the new fellows are living in the house, which at the present time is filled.

After rushing season we settled down to study and are going after the grades.

On November 15, we gave a Kappa Psi informal, a most delightful affair, at Emerson's Hall, which was decorated in the fraternity colors. The pledges plan to give a dance for the members in January.



BETA-PI'S SOPHOMORES, WASHINGTON STATE COLLEGE

During Thanksgiving vacation some of the fellows went home to enjoy their dinners, but those who could not go home had a real feast at the house.

Beta-Pi has an extraordinary pledge roll this semester, thirteen in all. Thirteen is not an unlucky number for us in this case, as we have a choice selection. Much favorable comment from other groups on the campus assures us of that fact. The neophytes are, H. R. Norman, C. D. Fitzgerald, I. R. Gunderson, M. Parrott, J. L. Wagness, G. W. Stewart, B. M. Gruber, C. H. Rohrbacher, M. J. Dirstine, John Offutt, B. B. Densow, Andrew Ellestad and N. J. Burley.



BETA-PI HOUSE

Fifteen members and thirteen pledges constitute our roll.

The pledges gave an informal dance on January 17 at Emerson's Hall and everyone had a most enjoyable time. The hall was artistically decorated in the pledges' colors of black and blue.

Beta-Pi regrets not being able to attend the conventions. Financial conditions handicap us in many things, most of us being either "broke" or badly bent.

All of the fellows went home for two weeks during the Christmas season. No one seems to have made any new year's resolutions, so everything is going on as good as ever.

We are going to celebrate our fire, of March 11, last year—by giving a "Hard Luck" dance on March 13. Advertising material from business



BETA-PI CHAPTER, WASHINGTON STATE COLLEGE

concerns will be used for decorations, and favors will be bought second-hand.

Beta-Pi extends best wishes for a prosperous new year to all.

BETA-SIGMA

A. L. JOHNSON, *Historian*

September 29 found every man back except two, who were staying out of school to get drug-store experience. Everyone was ready to make a record-breaking year for old Kappa Psi, of the North Dakota State College. The officers for the year are:

Regent: Luverne Reager.

Vice-Regent: Theodore Wall.

Secretary: Lester Oliver

Treasurer: Ansul Suckerman.

Chaplain: Henry Rice.

Historian: Arthur Johnson.

House Manager: Theodore Wall.

Under the fraternal leadership of the house manager and co-operation of each of the brothers, we made very good progress.

Several smokers and an informal dance were given at the chapter house, shortly after the opening of school, but as the interfraternity rules do not allow pledging until after the fifth week of school, we confined the heavy rushing season to that time. During that week we held a smoker on Tuesday night at the chapter house, a theater party on Wednesday night, a card party the following evening, and on Friday night we gave a dinner followed by the pledging of fourteen men. Only three have been initiated up to date, as the freshmen must first complete two terms of work. We now have the remaining rookies "doing their stuff," so they may be ready when the time comes.

On Wednesday night, November 26, we swung an informal dancing party at the college armory, which was a "large success."

We are fortunate to have with us Brother Brocksmith, from Beta-Omicron Chapter of the "U" of Washington, who has affiliated with our chapter. He proved a real "rookie" master, for which statement any of the newly initiated men can vouch.

During the rookie season of the three sophomores, Elvin Bjerklie, Elmer Theissen and Alfred Bischof, many exciting and, of course, interesting incidents occurred. The rookies were able, with very much grace, to "assume the angle" while the old bucks wielded a mean paddle, under the guidance of Brother Brocksmith.

To look at "Sheik" Ringness's directory, one would think that he knew all the fairer sex but occasionally he goes up town and comes back and says he saw a woman he didn't know.



BETA-SIGMA CHAPTER, NORTH DAKOTA STATE COLLEGE

Brother Bischol was very much disturbed over the rookie period and only wished that Brother Brocksmith could have lived during the Spanish Inquisition.

Judging by the showing made by the pledges, next year should be greater and more successful than ever.

GAMMA-DELTA

L. V. JONES, *Historian*

Gamma-Delta Chapter has finished one of the most prosperous years in its history and is now on its way to greater accomplishments.

We started the year with fifteen actives and during the first quarter there was a great deal of interest shown in incoming pledges.



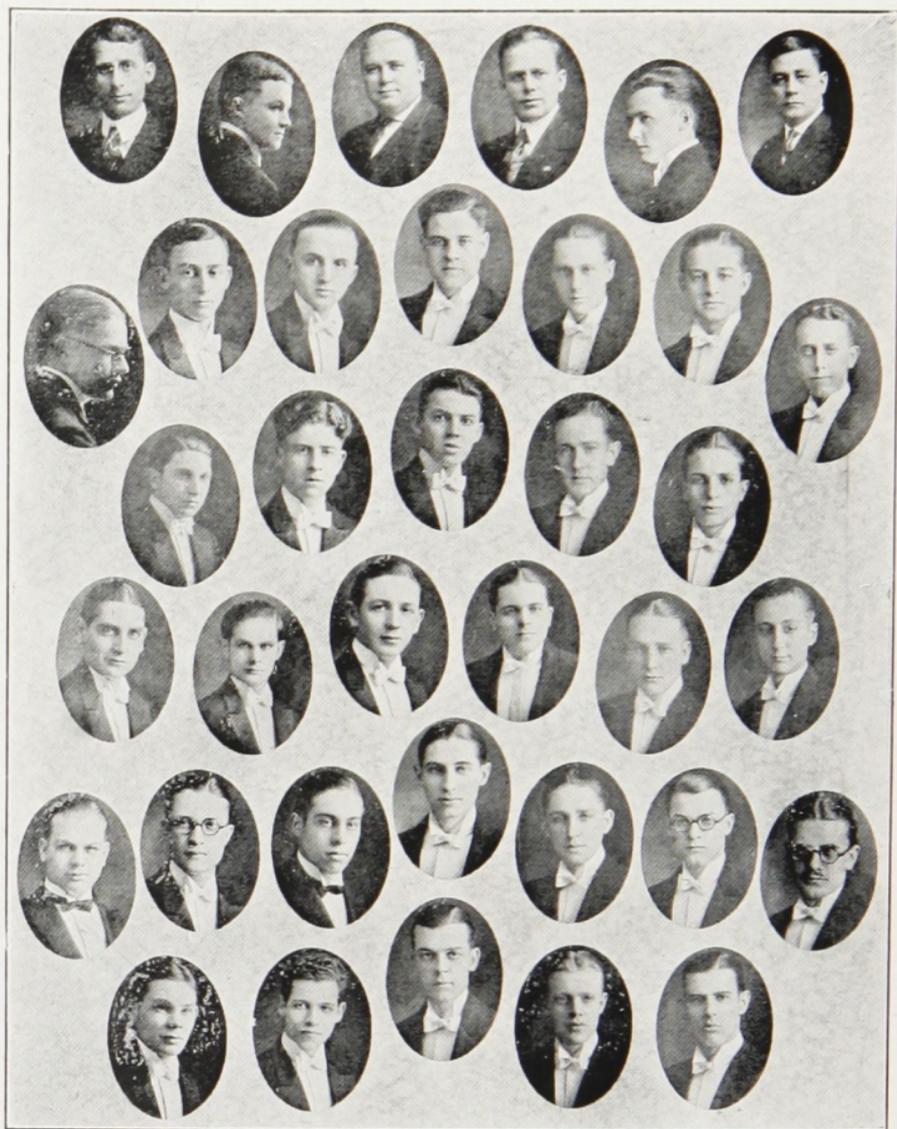
GAMMA-DELTA HOUSE

We succeeded in pledging fifteen men of the best caliber in the school, getting some real material both in scholars and athletes.

Gamma Delta was well represented on the past varsity football squad in having such a man as Brother Keeney, who filled the most responsible position on the team as quarter back. We expect to accomplish much this coming year in athletics as four of our newly made brothers showed up well on the frosh squad.

Athletics is not our only aim, and to prove that our activities are varied we mention the fact that we are one of the leading fraternities in regard to scholarship.

Gamma-Delta has not been idle in trying to obtain a house which we may call "Our Own." Due to certain articles in our present lease we were unable to obtain a new home this year but expect to build one in the near future.



GAMMA-DELTA CHAPTER, OHIO NORTHERN UNIVERSITY

Our alumni still show their loyalty to Gamma-Delta, as was shown at our last Homecoming when twenty of our graduates returned. We expect to see more back for our annual spring party which will take place some time in May.

The following officers were elected in February:

Regent: Neal Kyle.

Vice-Regent: Albert C. Roth.

Treasurer: Victor Elsasser.

Secretary: Floyd J. Shumaker.

Historian: Lester V. Jones.

GAMMA-EPSILON

J. C. BROADY, *Historian*

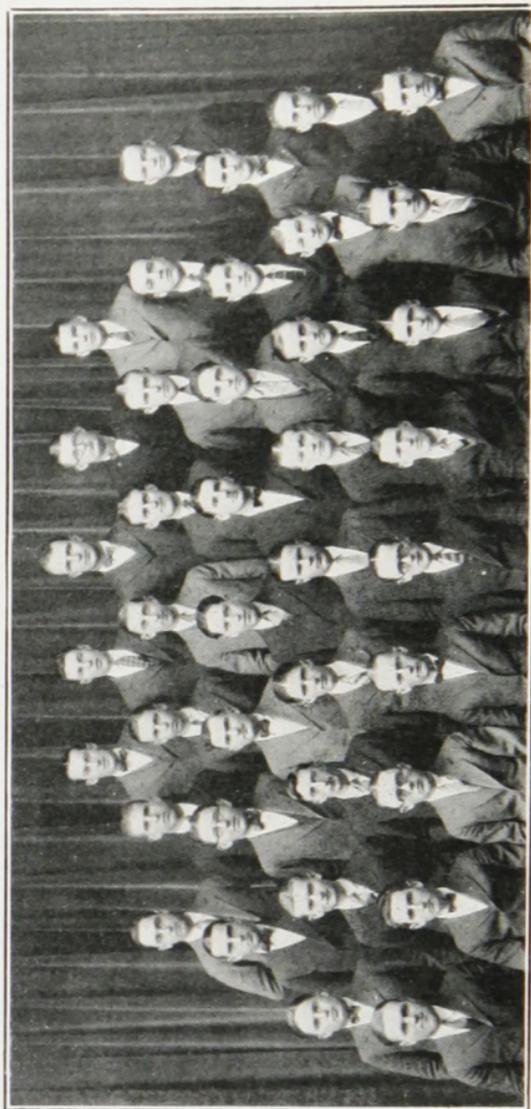
Gamma-Epsilon has a new house and furniture this year and is striving to put herself among the leading fraternities of the campus. Considering that we are only four years old on the campus, we have



GAMMA-EPSILON CHAPTER HOUSE

established ourselves in the minds of others and have molded a very favorable public opinion. Last year, among fifty fraternities and sororities, we stood fifth scholastically and our social prestige is worthy of consideration. Next month we shall hold our annual Founders' Day banquet, and this always brings back some of our alumni.

A number of our alumni are now out in the world and making good. Among them are William Prout, B.S. M.S., professor at Tulane Uni-



GAMMA-EPSILON CHAPTER, UNIVERSITY OF NEBRASKA

versity, and Joseph Noh, professor at the New Jersey College of Pharmacy. Others are successful managers and proprietors of pharmacies, inspectors and analysts at many of the pharmaceutical laboratories, and still others are continuing with medicine.

Among this year's graduates we have Pell Broady, B.S., winner of the scholarship key and the Lehn-Fink gold medal, chairman of Pharmacy Week, assistant in physiology and pharmacology, who has just finished a successful term as regent of Gamma-Epsilon, and contemplates at least a part time fellowship next year.

Other honors include B.S. degrees to Ludwig Benz, Pell Broady, Marion Jacobs, Andrew Soulek, Raymond Shellenbarger and Harry Mulligan, and Ph.G. degrees to Merle Dureyee, Con Hewitt, Claude Johnson, John Broady, Gilbert Noh, Howard Manning, Winford Rose and John Mulligan.

Success is awarded to the deserving and we trust every chapter is within this category.

GAMMA-ETA

M. C. DAVIES, *Secretary*

On December 3 Gamma-Eta Chapter initiated the following: M. C. Bjorgum, Thomas A. Goodnight, L. W. Campbell, Arthur J. Longpre and Arthur W. Aspengren.

Officers of Gamma-Eta are:

Regent: Howard B. Craig.

Vice-Regent: Jack E. Powell.

Historian: Leonard Parsons.

Treasurer: Elmer F. Carkeek.

Secretary: Melvin C. Davies.

Other members are Chas. A. Vincent, Ted J. Walker, James D. O'Connor and Kenneth P. Murray.

Regent Howard B. Craig and James O'Connor were the delegates for Gamma-Eta at the Pacific Convention held in Portland the latter part of November.

Gamma Eta Chapter is trying to live up to the expectations of our grand old fraternity. The first meeting of the year was held on October 7 and, with nine active members present, the new year was started rolling. Pledging was brought into effect and an initiation was held on December 3 at which Martin Bjorgum, Vern Campbell, Tom Goodnight, Arthur Longpre and Arthur Aspengren were initiated, thus bringing our force to a total of fourteen actives.

A smoker was held at the beginning of the winter quarter for the men of the freshman class. Later in the quarter pledging was resumed and Herschel Hoskins, Emil Riffin, Jack Wheatly, Lin Keener, Roger Wyatt, Andrew Watson, Dwight Elderkin, Earl Sheid and John Jarussi were pledged, thus adding to our prospects for a larger and better chapter.

Among the brothers who deserve special mention in this letter are Howard Craig and James O'Connor who were our delegates to the Kappa Psi provincial convention in Portland. Brother Craig is our regent and Brother O'Connor is a varsity letter man. He is also the main stay of the university baseball team's pitching staff. Brother Walker also deserves special mention. He placed second in last year's Fairchild examination.

On October 21 a joint mixer was held, in the form of a Hallowe'en dance, with the Kappa Epsilon National Pharmaceutical Sorority, to renew old acquaintances and meet the new freshman class. This mixer proved a success and, as we had hoped, it started the freshmen off with the true spirit of the pharmacy school.

The success of the annual pharmacy ball, which was held during the second week of the winter quarter, was due largely to the conscientious endeavors of several of our brothers, especially Jack Powell, who also edited the pharmacy edition of the *Kaimin* (university paper) the week previous to the ball, thus giving the function a good send off.

The end of the quarter is now drawing near and winter seems to be going with it. This reminds us of the spring fishing trip which was substituted last year for the annual banquet, as a final wind-up of our fraternal activities, and which we are going to duplicate this year, and, though we can't look forward to Brother Tyler's tales of wit, as he is absent, we shall make the best of it. We are hoping to enjoy the camp feed which will consist mostly of Montana's mountain trout. Come along, brothers, you are welcome and we'll show you a good time. The party will be held during the early part of June.

GAMMA-IOTA

R. R. COLE, *Historian*

From the largest freshman pharmacy class in the history of the university, numbering 187 at registration, Gamma-Iota Chapter has been fortunate in securing over twenty men and has several more under observation as possible candidates for fraternity membership. The men already pledged are as follows: Francis T. St. Denis, John W. Brown, John Sheedy, Judson W. Mack, A. J. Coulson, Jesse C. Fegley, Henry D. Frickey, Paul T. LaRue, Ernest G. Walker, John D. Horan, H. James Kennedy, George K. O'Brien, Harry E. Ryan, J. Sinclair Hill, Richard Clarke, Bernard Lawler, William Smith and Harry Bryant.

Two initiations have been held, one for a class of five seniors and the other for a class of three freshmen. In an effort to stimulate study and improve the scholastic standing of the chapter as a whole, no men are taken in unless they have an average of 85 per cent or better for their first quarterly ratings. More than half of the men pledged were signed up after they had shown a good grade of work in their studies and the fact that only three freshmen have been taken in, means in no way that the other pledges are deficient in their studies. Those who found the course rather difficult to grasp at first, have been given every opportunity to get the knack of the right way to study by coming to the fraternity house at any time and availing themselves of the services of the seniors. Once each week some member of the faculty is invited to dinner and we have found them willing at all times to help the students by answering questions which pertain to their particular subject and the work which has been covered.

The seniors initiated are Kenneth Way, Kenneth Velzy, William Wegman, Bernard Davey and Donald Reed.

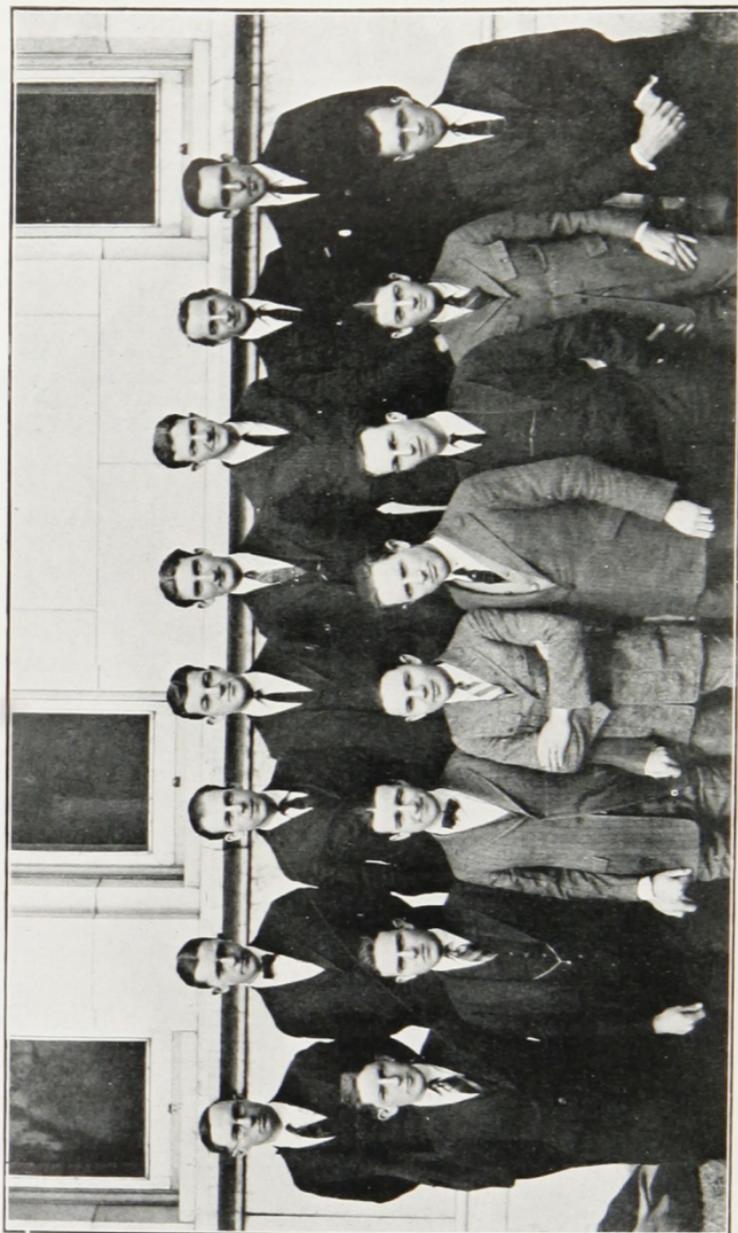
The freshmen initiated are Carleton Kavle, Albert E. Minns and Joseph Conboy.

Soon after mid-sessions examinations we expect to put through a large class of candidates and a special effort is being made to induce a goodly number of alumnae to attend and participate.

With only pharmacy and arts on the campus—medicine, law and dentistry are located down town about four miles away—the representation that Kappa Psi has in the various school activities is remarkable. Kavle, a graduate of Syracuse University and holder of a B.A. degree, was quarter back for the varsity football team and is also the president of the freshman class. On the varsity hockey team are Coulson and Hill. Reed is an alternate on the class team and Minns and Spicer have very good chances of making the varsity rifle team which is now in the process of formation.

Socially, the chapter has not been inactive. At the beginning of the school year two smokers were held and the measure of their success is shown by the number of pledges secured. Two house parties and dances have been held and, under the able management of the committees appointed, they were very pleasing affairs. Plans for our annual banquet will soon be under way and it is probable that it will be held, as last year, in the Georgian Room of the New Statler Hotel.

At the beginning of the school year, a new and much larger house was secured through the efforts of Regent Holmes and Brother Barone, Regent Holmes coming to Buffalo a week before school started in order to make final arrangements. We were fortunate in again securing the cook who was with us last year, an arrangement which met with the approval of the seniors who had been acquainted with her culinary ability from the preceding year and the new men were not slow to come of the same opinion. Much new material was purchased to augment that



GAMMA-OMICRON CHAPTER, UNIVERSITY OF OKLAHOMA

which we already had, including double decked beds, thus enabling the men to each have his separate bed. Breakfast and dinner are the only meals at the house, the distance from the Pharmacy Building making it impossible for the men to get home for luncheon.

We are not able to make a great deal of money on account of the high rent rates which are prevalent in Buffalo, but we manage to pay all bills promptly and hope to have a small balance left at the end of the year as a nucleus for next year's men.

The results of the New York Conference, where we were represented by Regent Holmes, have been heartily endorsed by the members and have served as an added stimulus in all branches of our fraternity work. We hope that all of our chapters will work together, as in the past, to keep Kappa Psi Pharmaceutical Fraternity the largest and best in existence.

CHICAGO GRADUATE CHAPTER

MARTIN H. SEIFERT, *Secretary*

Our chapter had decided to have but three meetings a year as we feel this plan will make it much more active and efficient. As the Chi Chapter house is new and the boys still need money and help, we decided at our last meeting, held at the Great Northern Hotel on Friday, February 6, to buy a name plate for them. Our activities have been very much limited but with the advent of more frequent meetings we shall accomplish better things.

BOSTON GRADUATE CHAPTER

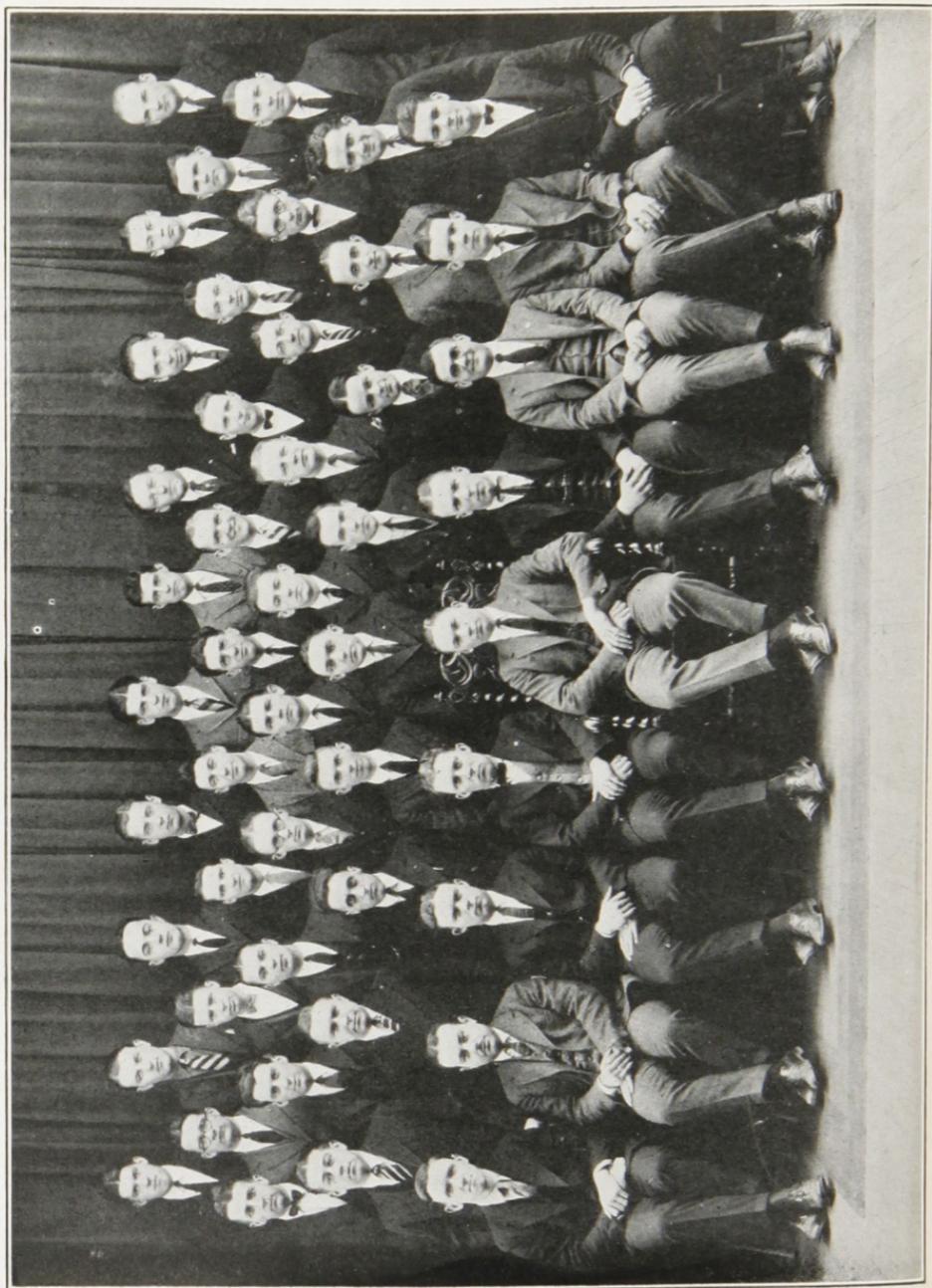
R. S. KELLEY, PH.C., *Historian*

The Boston Graduate Chapter was greatly pleased to learn that the pharmacy chapters are now organized into the only large, strictly pharmaceutical fraternity in existence.

We are sorry not to have had a letter in THE MASK of late but the truth is that the past year has been a quiet one with us, however, our Grand Vice-Regent, F. J. Amrhein, is reorganizing Boston Chapter, and we promise our brothers that ere long Boston Chapter is going to be on her feet again and will be running far ahead of anything she ever did before.

Within a month new officers are to be elected and from then on we are going to try and outdo our collegiate chapter of which you have heard such glowing accounts.

The Boston Graduate Chapter extends best wishes to our new grand officers and with one accord let's go and give our best to Kappa Psi Pharmaceutical Fraternity, the largest and best ever.



ALBANY GRADUATE CHAPTER

KENNETH G. HAGGERLY, *Historian*

The last meeting of the Albany Graduate Chapter of Kappa Psi was held at the Ten Eyck Hotel, Albany, on Tuesday afternoon, May 1, 1924. Due to misarrangement the meeting had to be scheduled in the afternoon and consequently many of the brothers were unable to attend. The newly elected officers were as follows:

Regent: Jos. Welch, Poughkeepsie.

Vice-Regent: E. Guernsey, Herkimer.

Secretary: Prof. F. J. O'Brien, Albany.

Treasurer: R. Curtis, Ballston Spa.

Historian: K. Haggerty, Albany.

The treasurer of the Beta-Delta Association reported that we have one thousand dollars in our savings account toward our graduate chapter house.

It was decided that we were to schedule one of our graduate chapter meetings the night before commencement and the other, or others if possible, to be merged with the collegiate chapter meetings.

We are now planning to send letters to all of our members to get them together if possible and also to establish communtiy chapter "get-togethers," centered around the larger cities.

We hope to keep Kappa Psi still in its highly esteemed place and to raise it higher if possible.

SAN FRANCISCO GRADUATE CHAPTER

O. S. SCHMIDT, *Secretary*

The San Francisco Graduate Chapter has been unusually honored in the election of Brother W. Bruce Philipp to the office of Grand Regent of our dear Kappa Psi Fraternity. No stone will stand unturned to help Alpha Chapter and every member of San Francisco Graduate Chapter is "on his toes" and all eagerness to do his share in the big work before us.

Our meetings are wonderful gatherings, usually being marked by entertainment or an educational feature of some sort. The San Francisco Chapter is going along merrily and extremely successfully with big hopes and very bright prospects.

The San Francisco Graduate Chapter of Kappa Psi Pharmaceutical Fraternity held a meeting at the States Restaurant in San Francisco on January 22, with Martin A. Roth, regent, in the chair and a large attendance of the brethren, representing universities throughout the country, for the first business meeting of the year.

Harry Strickland, Pacific Coast representative for the Wander Company, distributors of Ovaltine, reported on the Portland session of the

Grand Council Convention. Among those present were Dr. R. W. Lamson of the Lane Hospital, Dr. Norris R. Jones of the San Francisco Hospital and Dr. Clyde D. Horner, better known as "Jack Horner who fell in the corner," of St. Luke's Hospital.

MEMPHIS GRADUATE CHAPTER

C. A. GODMAN, *Regent*

We wish you had been at our last meeting. We always knew that there was a very close feeling between the medical and pharmacy men, but this fact was never so impressive as at this last meeting when a number of members of each group expressed their regret at being separated after so many years of pleasant and harmonious work together. Each group expressed its appreciation of the loyal support and hearty co-operation of the other, and we are sure the same brotherly feeling will always exist between the two, although they have separate organizations.

Each group is re-organized and is keeping the good work going on.

We are planning to initiate new members into the graduate chapter and work to make it one of the liveliest of the organization. We are also making plans for a real live collegiate chapter of REAL men next session.

RICHMOND GRADUATE CHAPTER

L. C. BIRD, *Regent*

The enthusiasm and hope shown by the officers of Kappa Psi is very gratifying to the graduate members of Sigma. All developments that will increase the power and prestige of the Fraternity will be looked upon with favor and pleasure by the past and present members of this chapter.

We find that a number of the most prominent pharmacy graduates of the Medical College of Virginia are graduate members of Sigma. In a short time we hope to give you a complete list for publication.

SOUTH CAROLINA GRADUATE CHAPTER

A. E. BUTLER, *Regent*

There is very little to be said about the graduate chapter at South Carolina.

Since the Medical College and College of Pharmacy in this state were taken over by the state, the active chapter had to give up the charter as Greek-letter fraternities were prohibited. Several times bills have been introduced in the legislature to have them restored but to no avail; but it may come back some day.

The separation of the two branches is for good and I think it will work to the advantage of pharmacy.

In the near future graduate members will meet and revive some of the old-time spirit into them.

PORTLAND GRADUATE CHAPTER

EDWIN E. MAYER, *Acting Secretary.*

The Portland Graduate Chapter of Kappa Psi Pharmaceutical Fraternity will hold a meeting in the near future when new officers will be elected. With new officers in command we are sure Portland Graduate will again assume its rightful position as one of the leading and most active of all graduate chapters.

Sponsoring the recent Pacific Convention of Kappa Psi served to again prove that there are within our membership men who can successfully carry on any work of importance. Editing, compiling and publishing of Pacific Province "News Letters" is another proof that we have within our membership men who can do, when the occasion arises.

The subject of a dance to be held in the early part of May has been broached. We are sure this would be a splendid method of retying old bonds and we trust that we may soon announce the committees that will carry this plan through to a successful culmination.

With a new set of active and enthusiastic officers installed, we believe Portland Graduate will be represented by a letter in each of the future issues of THE MASK.

Brothers E. C. Calloway and Edwin E. Mayer were our delegates at the recent convention.

Brother Viers, Eta, '18, is practicing in Portland.

Brother F. S. Ward, secretary of the Oregon State Board, was injured in an automobile accident some time ago but is now on the road to complete recovery.

Satrap and Mrs. L. V. Hendricks announce the birth of a son, Ward Edward, on November 6.

Brother Sam Inkster, now in Spokane with Murgettroyd, has recently joined the ranks of the benedicts.

Brother T. H. Eckerson, who for years was instructor at North Pacific College, has accepted a position with Eli Lilly Co.

Dr. D. C. Horner, Beta-Zeta, Gamma-Mu and Portland Graduate, is an interne at St. Luke's, San Francisco.

Immediately after the holidays a meeting will be held, at which officers for 1925 will be elected.

MISSISSIPPI GRADUATE CHAPTER

CHARLES E. WILSON, PHAR.D. *Secretary-Treasurer*

We have received your several communications regarding the Fraternity, and have had to delay writing you because of the fact that my store and all that was in it was destroyed by fire on December 28, along with an entire business block, and since that time I have had more on my hands than I could very well manage, trying to adjust my insurance, buy an opening stock and getting straightened out for business again.

My roster of the members of the Mississippi Graduate Chapter was destroyed as was all correspondence relating to same. If you have a copy of this list I should appreciate a duplicate.

I thank the Fraternity very much for the honor given me in making me satrap of the South Atlantic Province and hope that I may fall right in line and be able to do some good for the Fraternity and its membership.

MILWAUKEE GRADUATE CHAPTER

A. H. HACKENDAHL, *Historian*

Owing to the fact that we have just opened a new store, I have not been able to give my chapter its due consideration.

Since the division of Kappa Psi, our graduate chapter of six alumni is busy on the possibility of taking in degreed men. There is a wonderful opportunity ahead of the alumni chapter.

I am in business with my father, and if everything plans out, we hope to open another store in a short time. My heart is with Kappa Psi from the word go, and I'll assure you that the alumni chapter is "rarin' to go." Watch our speed.

BUFFALO GRADUATE CHAPTER

GEORGE L. BARONE, *Historian*

The letter containing deliberations of the New York meeting was certainly good news. To all Kappa Psi alumni that we have been able to reach, the separation and the manner in which it is to be carried out was explained and they all thought it to be a splendid thing and also think that it is going to stimulate progress in both collegiate and graduate circles.

Owing to the fact that not many of the U. B. pharmacy men are local, the number now in Buffalo is comparatively small but it is probable that even with this small number, we can draw together enough men to be chartered as a regular, active graduate chapter in a short time. Plans are now under way for a meeting of local and nearby

alumni at the collegiate chapter houses where these plans will be thoroughly discussed. Although up to the present time the alumni have not been organized, they have shown that their spirit is far from dead by supporting whole-heartedly the annual banquet and various functions arranged by the collegiate chapter. This shows that it is merely a question of organization to develop an active graduate chapter in Buffalo. Now that our efforts will be expended in boosting a strictly pharmaceutical fraternity, there is no question but that the interest of our graduates will be aroused to a much higher pitch than it has been in the past.

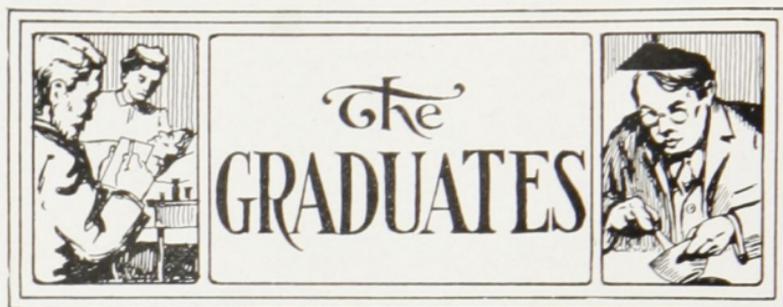
Let's GO, Kappa Psi alumni, and show the collegiate chapters that ONCE a Kappa Psi man really means ALWAYS a Kappa Psi man and give our collegiate chapters our undivided support!

NORTH DAKOTA GRADUATE CHAPTER

F. S. KIMBALL, *Historian*

The recent division of the pharmaceutical and medical units of Kappa Psi into two distinct fraternities should result in the unhampered success of each division. Kappa Psi Pharmaceutical Fraternity should enter into a period of careful expansion. The North Dakota Chapter wants to see undergraduate chapters in every school that is a member of the conference, and is already spreading the gospel of Kappa Psi into our neighboring non-Kappa Psi schools.

We want to see Kappa Psi emerge into a highly powerful pharmaceutical organization that will be an honor and a revelation to American pharmacy. We want to see Kappa Psi elevate the profession to the point that it should have. In our first steps let us get back of the A.Ph.A. and the Headquarters Building.



GAMMA

A. J. Dougherty is sales representative of the Nymform Co., Cleveland, Ohio.

Dr. C. W. Ballard is living at 124 Claremont Ave., Mt. Vernon, New York.

M. D. Cadman's address is 426 Bedford Rd., Pleasantville, New York.

ETA

Dr. Francis E. Stewart is lecturer on pharmacy laws at P.C.P. and director of the Scientific Department of the H. K. Mulford Company.

M. Fickel, '24, is now connected with the L. K. Liggett stores in Philadelphia.

M. G. Schadd, '17, and his brother, R. M. Schadd, '13, are in business together at Allentown, Pennsylvania.

Clarence Wager, '17, of Lehighton is professor of chemistry in the Lehighton High School.

F. M. Smith, '17, is manager of the LaDaw Drug Co., at Thirteenth and Oak Lane, Philadelphia.

Albert Robinson, '18, is located at Twentieth and Green Sts., Philadelphia.

F. M. Smith, '17, is now at 4554 N. Uber St., Philadelphia.

L. R. Colestock, '21, has moved to Glenolden, Pennsylvania.

Eugene M. Holryod, '05, is in business at Ninth and Reed Sts., Philadelphia.

Dr. Arno Vichoever is at Glenolden, Pennsylvania.

W. L. Peters, '13, is located at Reading, Pennsylvania.

Ralph Umstead, '22, formerly pharmacist to the Presbyterian Hospital, has accepted a position with S. K. & F., in the capacity of a sundry salesman.

R. Wattring is in business at Bethlehem, Pennsylvania.

G. E. Brouse, '24, is managing the Rea and Derick's Pharmacy at Sunbury, Pennsylvania.

E. Wagaman is in business with his father at Chambersburg, Pennsylvania.

John Smith, '22, is practicing in Pottsville, Pennsylvania.

Bill Rheinard has opened up a drug store in Mt. Carmel, Pennsylvania.

John Mohr is located in Reading, Pennsylvania.

R. Brady is the owner of a new store located at Ambler, Pennsylvania.

L. Connelly of Carlisle, Pennsylvania, is connected with the H. K. Mulford Co., and is covering the New England States.

Roy Heiser is now connected with one of Plum Bros. Pharmacies in Atlantic City.

Ralph Beaver, John Hunkle and Burton Gilpon have bachelor quarters near the fraternity house.

Harold Yohe is manager of one of the Plum Bros. stores in Atlantic City.

Dr. and Mrs. L. V. Hendricks announce the birth of a son, Ward Edwardson, on November 6.

Ernest E. Viers is now employed at Horak Bros. Pharmacy in Portland, Oregon.

Mr. and Mrs. William S. Schmickle, '23, announce the birth of a daughter, Lucile Virginia, on January 5.

Chas. Eithel is employed at Gregory's Pharmacy in Wyoming, Pennsylvania.

Wm. Schafer is now located at Old Forge, Pennsylvania.

"Bill" Duncan is at present in Texas.

Fred Schafer is practicing in Meadville, Pennsylvania.

Mr. and Mrs. Jack Robinson announce the birth of "Jack, Jr.," on January 8.

Winfield Smith of Topton, Pennsylvania, has purchased the Smith Bros. Pharmacy of that place.

Burt Gilpin is now in New Jersey.

C. Heidley of Bloomsburg, Pennsylvania, has recently opened a new store in that town.

Paul Schrank, '18, is representing Groves Bromo Quinine.

C. Galloway has been transferred to Wilmington, Delaware, by the L. K. Liggett people and is manager of their store in that city.

W. Phillips is connected with the Gorgas Pharmacy in Harrisburg, Pennsylvania.

J. Buchannan is managing the Gorsuch's Pharmacy in Pottsville, Pennsylvania.

Douglas Bressler, M. Fickel and Jimmie Ziegler were in the city recently to take the state board examination.

Robert B. Weber, '21, informs us that there has been an addition to his family. He didn't tell us whether it was a "her" or a "him," but we sure congratulate Bob and Mrs. Bob.

James R. Taylor of Trenton, New Jersey, has just been operated upon for the removal of his appendix. Glad to hear he is in good shape again.

A. J. F. Shafer, '24, has accepted a position with Ballinger and Sigons at Meadville, Pennsylvania.

Thomas Rees, '24, is now connected with the Pet Milk Co. We haven't been informed whether he is a chemist, salesman or just merely milks the cows, but may success follow him.

Zeigler is at present at York, Pennsylvania.

"Joe" Martin is located at Lancaster, Pennsylvania.

G. C. Davy is practicing at Coatesville, Pennsylvania.

Wesley Worrall's address is Downingtown, Pennsylvania.

C. M. Galloway is again connected with the L. K. Liggett Co.

Homer H. Leonard has returned to High Point, North Carolina, where he will manage the store with which he was formerly connected.

Bill Heard is representing Park, Davis & Co., in Arkansas.

W. W. Bauder is managing the Sixty-ninth St. Store of the Media Drug Co., in Philadelphia.

Mr. and Mrs. "Tom" Sensenman of Harrisburg, Pennsylvania, announce the arrival of a "newcomer" in their home.

Charles Bowen is located in Jenkentown, Pennsylvania.

Aylesworth is representing the "Nyal Line" and has his headquarters in Harrisburg, Pennsylvania.

John Forry Hinkle is connected with the Geo. B. Evans stores of Philadelphia.

Bill Wharry of Downingtown is married. We have no particulars about the nuptials but we do know someone got a real man. Congratulations to both.

Walter W. Wells is proprietor of two stores in Camden, New Jersey.

Bill Sitman is now managing a store in Shamokin, Pennsylvania.

Don Hamilton, '23, is studying premedical work at F. and M. College, Lancaster, Pennsylvania.

Ralph Beaver, '21, has accepted a position with E. L. Patch Co., in Philadelphia.

Wesley Stanford is now in Harrisburg, Pennsylvania.

THETA

J. H. Fray is located at Orange, Virginia.

UPSILON

E. G. Altsman may be reached at 2204 Bolling Ave., Louisville, Kentucky.

TAU

B. B. Chatham is at 1120 East First St., Long Beach, California.

OMEGA

Among the faculty members of Omega Chapter are: Professor Ernest Little, B.S., M.A., M.S., Ph.D.; Professor Adolph Dittmar, Ph.G., Ph.Ch., B.S., Ph.D.; and Professor Charles E. Fanslau, Ph.G., D.R.M.

BETA-GAMMA

C. R. Danielson representative of Burroughs-Wellcome & Co., in Northern and Central California and president for the past three years of the Allied Drug Travelers of California, has been appointed by President Al C. Tienken as chairman of the entertainment committee of the California Pharmaceutical Association for the annual convention to be held at Del Monte, California, during May. Mr. Danielson has been authorized to select his own co-workers and appoint as many committeemen as he may deem necessary to carry out the entertainment plans.

BETA-DELTA

Alton B. P. Breithaupt is now at 229 N. Genesee St., Utica, New York.

BETA-ZETA

"Prof" Rawson is now the proud owner of the Lakewien Pharmacy at 34 E. Cherry St., Seattle, Washington. His residence is 1208 W. 10th, Apt. C-4.

"Slim" Stewart is working with Brother Harry Miller in Lebanon, Oregon.

Jack Howser is rolling pills for the Owl Drug Company of Port Angeles, Washington.

Paul Jones is connected with the Rexall Store of Coquille, Oregon.

BETA-IOTA

A. O. Mickelsen is on the faculty of the North Pacific College of Oregon.

H. W. Goff is now located at 670 Alberta, Portland, Oregon.

BETA-KAPPA

I. Burdette Coldren is now at 205 S. Burrowes St., State College, Pennsylvania.

The following members cannot be located; if by any chance you know their addresses, kindly let me know.

R. A. Carroll, '15	J. H. Bowman, '07
W. E. Cavanaugh, '14	Wm. Davis, '06
A. R. Guthrie, '15	Wm. Graham, '09
Lewis A. Cole, '11	E. K. Miller, '00
E. J. Aul, '02	R. H. Johnson, '01
L. A. Dodds, '05	C. R. Russell, '22
W. J. Hoffman, '04	A. C. Currey, '21
R. J. Heiber, '03	H. E. Crane, '17
K. A. Krayner, '12	O. J. Hoffman, '09
A. L. Cole, '11	J. S. Bowman, '08
Win S. Smith, '03	J. H. Edwards, '02
V. S. Edwards, '16	C. J. Grove, '09
C. E. Hoffman, '13	D. W. Livengood, '09

Kappa Psi men who are officers of the Pittsburgh branch of the American Pharmaceutical Association for 1925 are: F. J. Blumenschein, president, F. H. Woods, vice-president; B. E. Pritchard, secretary, and Dr. Louis Emanuel, representative in the House of Delegates.

Brother Wesley Deily is the proud father of a beautiful baby girl. (One more responsibility for Brother Deily.)

S. B. McCulloch severed relations with the McCulloch Drug Co., and now has the Cleveland Agency for Apollo Chocolates.

I. B. Coldren, '22, located at State College, Pennsylvania, is the proud father of a baby daughter. Brother Coldren will enter the law school at the university next year.

John Hodgson, '24, Glassport, Pennsylvania will enter the School of Medicine next year.

Lester Curtis, '22, located at 7523 Hamilton Ave., Pittsburgh, Pennsylvania, is with the Lee Tire Co. (No doubt Brother Curtis thinks the tire business is better than the drug business—he may be right—who knows?)

F. H. Woods, of the faculty, and Elmer Gustafson, of Sheridan, spent Sunday with their classmates, Lee Craig, of Vandergrift, and Charles Thompson, of Leechburg.

Brother Paul Pfaff sold his store at Bridgeville, to Brother McMillen, '24. Beta Kappa wishes both luck. Brother McMillen, don't sell too many "peanuts."

Brother Paul Pfaff is one of our oldest and most loyal members; he is also a member of the life membership group.

The Child Brothers, formerly of McKeesport, have the finest store in St. Petersburg, Florida. Walter never was contented until he had the best. Brothers, your success has been assured. Wish we were with you in the Sunny South these cold snowy days.

J. H. Fisher is now located at 1730½ Wilson Ave., Hollywood, California. We have an idea that Brother Fisher likes the oh—— climate. We do not know if he is one of the Hollywood actors or not.

Brother A. C. Muir of 2027 Noble St., Swissvale, Pennsylvania, has recovered from the separation from his appendix.

O. S. Ayers, '22, is managing Stanley Dobb's store in McKeesport.

GAMMA-DELTA

W. R. Jeffries is to be found at 604 Jefferson St., Martins Ferry, Ohio.

GAMMA-EPSILON

W. A. Prout, Ph.C., A.M., is assistant professor of pharmacy at Tulane University.

BETA-SIGMA

Professor Sudro, as secretary of the state association, is having a busy time with the new pharmacy bill that is now before the legislature.

Gerald Sievert is still at Grafton, North Dakota.

Mattys Jongeward is with the State Regulatory Commission at Fargo. Glenn Cook is managing the Broadway Drug at Fargo.

W. F. Koester stepped into his place at the Cook Drug after a summer on the road.

John Johnson is managing the Moorhead Drug at Moorhead, Minnesota.

Elmer Anderson left the drug business for a while and joined the back-to-the-farm movement this summer.

ADDRESSES WANTED

Correct addresses are wanted for the following men:

- P. Bernard, Ottawa, Illinois.
- G. A. Slothhower, Philadelphia, Pennsylvania.
- B. F. Burke, Auburn, New York.
- M. Eisenhart, Streator, Illinois.
- H. E. Wimer, Arcadia, California.
- O. L. Richardson, Snohomish, Washington.
- R. C. Nagel, Highland Park, Illinois.
- C. Hewitt, Jr., Fairbury, Nebraska.
- P. J. Gregg, Chicago, Illinois.
- R. W. Barnes, Roanoke, Virginia.
- Chas. A. Annable, Carrick, Pennsylvania.
- M. D. Cassler, Jamestown, New York.
- R. Frank, Buffalo, New York.
- A. Burston, Seattle, Washington.
- A. C. Uptografft, Spirit Lake, Washington.
- C. C. Durston, Buffalo, New York.
- G. E. Olson, Cleveland, Ohio.
- T. E. Durjin, Pittsburgh, Pennsylvania.
- E. O. Cox, Jackson, Kentucky.
- G. E. Shindley, Madison, Wis.
- E. L. Sohn, Ambridge, Pennsylvania.
- J. S. Pfeil, Jr., Pittsburgh, Pennsylvania.
- L. D. Hughes, Parnassus, Pennsylvania.
- F. B. Kelty, Philadelphia, Pennsylvania.
- D. L. Cramer, Seattle, Washington.
- D. C. Longwell, Homewood, Pennsylvania.

The Grand Agora

GAMMA

We regret to inform you that Brother George F. Dorsey, '22, died on November 9.

L. J. EYSKENS, *Secretary*.

ETA

During the holidays sorrow befell Eta Chapter in the death of Brother Franklin S. Runyan, who died from pernicious anemia in the Pennsylvania Hospital.

Brother Runyan was born in Philadelphia, the son of H. H. Runyan, 6020 Webster St. After graduating from West Philadelphia High School he entered Philadelphia College of Pharmacy and Science graduating in 1924. He was initiated into the Fraternity on December 8, 1922. Brother Runyan was quiet, unassuming and had a personality that established friendship at first meeting.

The Eta Chapter of Kappa Psi Fraternity extends its heart-felt sympathies to Brother Elmer Merz and family upon the bereavement of his mother.

BETA-KAPPA

We are saddened by the announcement of the death of Brother Charles A. Smith, '16, who died in New Mexico.

Beta Kappa expresses its sympathy to Brother Lee Donaldson, who recently lost his mother.

BETA-ZETA

We announce with regret the death of our beloved brother, Victor R. Hart, who died on February 10. He had been confined to his bed for approximately five months.

LELAND R. ROHNER, *Secretary*.

A MANUAL OF TOXICOLOGY

BY ALBERT H. BRUNDAGE, (A.M., M.D., Phar.D., M.S.)

Consulting Toxicologist to the Bushwick Hospital. Major, Medical Staff, Police Reserve, city of New York. Medical Inspector and Lecturer, Department of Health of the city of New York. Examining Surgeon and Secretary, Board of Examining Surgeons (Queens County, New York), U. S. Bureau of Pensions. Honorary Member of the Brooklyn Medical Society. Life Member of the New York State Pharmaceutical Association. Member of: The American Medical Association; The American Association for the Advancement of Science; Etc. Formerly, Professor of Toxicology and Physiology in the Departments of Medicine, Dentistry, and Pharmacy of Marquette University. Formerly, President of Board of Pharmacy of the state of New York, and Examiner in Toxicology in same; Etc.

14th Edition—Illustrated and Enlarged

(Printed and Copyrighted, 1923; Reprinted, 1924.)

It is a book on Poisons and Poisoning, for physicians, pharmacists, lawyers, experts, coroners, ambulance surgeons, teachers, students and others. Valuable in families. (A very appropriate, appreciated present for study or for reference in emergency.)

It is accurate, authoritative, clear, concise, comprehensive, compact, convenient, complete, low-priced, systematic, unique, up-to-date. The only book which gives full and complete details in the treatment of each kind of poisoning.

It tells what may be employed, in or with what, how much, how often, how long, why employed, what not to employ, how much of the poison kills, how much has been recovered from, and how death occurs. It gives, among other things, the following: The post-mortem appearances in fatal poisoning. Identification tests for poisons. Tells what poisons to suspect from a single prominent symptom. Gives an outline of procedure, in searching for poisons for courts of law; the signs of death; tests by which to determine death has occurred; the modes of death; the interpretation and treatment of unconsciousness, or coma; the history, symptoms, and treatment of chronic poisoning and drug habits by such poisons as alcohol, arsenic, chloral, cocaine, ether, lead, mercury, opium, morphine, etc. Gives a dose table (of about 700 preparations), the result of the author's comparing and averaging the doses recommended by the leading American and European authorities. It contains very helpful keys, tables, charts, guides, etc.; also sets of questions for self-examination; etc.

Actual total number of pages, 570. Price \$4.00 net. (The book, therefore, costs user only about two thirds of a cent a page for *greatly condensed facts, but very comprehensive information.*)

N.B.—The Service of the Book

The book is arranged for careful study, emergency reference, or quick review.

It is used all over the United States, in Canada, in American colleges in Cuba, the Philippines, different parts of Europe, etc.

N.B.—The Cover of the Book

The red color of the cover of the book, with the title in white letters, represents the so long, almost universally used poison label for opium and its preparations, and for other poisons. Such type of cover, therefore, instantly indicates that the book is on poisons and poisoning. It also makes the book easy to find among many books in a physician's or other person's library, for prompt use in emergency.

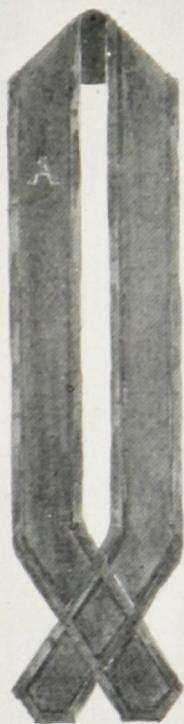
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Ω



KY

Senior Officers' Sashes



Junior Officers' Sashes



Members' Collars (Optional)



Members' Gowns (Optional)

Kappa Psi Pharmaceutical Fraternity Regalia

When Ordering
mention Item No.

OFFICERS' SASHES: Set of eleven, all of adopted regulation patterns, and edged with silk braid, with correct emblem embroidered in golden-yellow silk on each, as follows:

- 1 One, only, scarlet sash of fine satin, golden-yellow braid, emblem "A."
- 2 Ten—grey sashes of flannel, scarlet braid, emblems, one each as follows: Greek letter Omega, Palm 99, Short Greek Sword, Shield and Wreath, Crossed Long Greek Swords, Crossed Short Spears, Crossed Pens, Crossed Keys, Mask, Eye, Greek letters "Kappa Psi."
- 3 Sashes, any of above—each \$3.30, per set of 11.....\$32.75

- 5 **MEMBERS' COLLARS:** (Optional). Lined and interlined, cadet-gray flannel, scarlet silk braid on both edges, no emblems. Each \$2.25. Per dozen, \$22.25.

MEMBERS ROBES: (Optional).

Loose fitting, plain draped gowns with hood and cotton cord; waist girdle all of solid black with double facing bands of scarlet sateen down front, each decorated with a scroll design worked in narrow silk braid (soutache) of gray on the scarlet facing.

- 10 Cambric, trimmed with sateen, any quantity, each.....\$5.90
- 11 Cotton cashmere with sateen, any quantity, each..... 6.60
Or same as above with the gray soutache scroll design omitted.
- 14 Cambric, trimmed with scarlet sateen, any quantity, each.....\$4.85
- 15 Cotton Cashmere, with scarlet sateen, any quantity, each.....\$5.65
- 18 **TRIANGLE** (one required), wooden, painted alternating colors, scarlet and gray, each.....\$1.40

SPEARS: (two required). Each with seasoned shaft.

- | | Each | Pair |
|--|--------|--------|
| 27 Gilt bronzed wooden point and ball..... | \$1.10 | \$2.20 |
| 28 Polished brass point and ball..... | 1.15 | 2.30 |
| 29 Nickel plated metal point and ball..... | 1.30 | 2.60 |
| 30 Nickel plated metal point and ball..... | 1.45 | 2.90 |

GRECIAN SHORT SWORD: (one required).

- 31 Leather scabbard, Grecian hilt, steel blade, brass mounted handle and trimming—with stud for belt throg, each.....\$5.80

BELT, FOR SWORD: (one required)

- 33 Shoulder sling style—heavy webbing, leather throg.....\$1.30
- 34 Shoulder sling style—all leather, leather throg..... 2.00
- 35 Waist belt style—heavy leather 1¼ inch wide, plain metal plate, leather throg (advise color black, brown, red)..... 2.95

BALLOT BOX: (one required). Exclusive of ballots (See next item).

- 37 Full secret swan neck pattern, walnut.....\$7.50
- 38 Full Secret, hinged lid pattern, quartered oak..... 3.50
- 39 Semi-secret, oak..... 1.50

BALLOTS: 50 assorted black and white.

- 41 China, glazed, per set of 50..... .25
- 42 Rubber-noiseless—black cubes, white balls, per set of 50..... .75

GAVELS: (four required).

- | | Each | Per set of four |
|------------------|--------|-----------------|
| 45 Oak..... | \$.40 | \$1.60 |
| 46 Walnut..... | 1.00 | 4.00 |
| 47 Rosewood..... | 1.50 | 6.00 |

HOODWINK: (one required). Each equipped with strap to adjust size, and spring attachment to effect quick removal or replacement.

- 50 Leather, velvet lined, metal eye caps are permanent, each.....\$1.88
- 51 Similar to 75799 but metal eye lids can be turned open, permitting clear vision without removing hoodwink, each.....\$2.10
- 52 Special pattern—permits clear view, or shows through red lens, or shuts out light completely.....\$2.50

CHAPTER SEAL—Heavy lever stand.

- 55 Circular die, 1¼ inch diameter, plain lettering, no emblem or Greek characters.....\$5.25
- 56 Circular die, 2 inch diameter, plain lettering, no emblem or Greek characters.....\$5.25

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INFORMATION FOR CHAPTER OFFICERS

1. *Badges, Pledge Buttons, and Recognition Buttons* can be purchased *only* through the CENTRAL OFFICE. Send such orders directly to: Dr. A. R. Bliss, Jr., The Almadura Apts., 1489 Poplar Blvd., Memphis, Tenn.

Other jewelry and novelties can be purchased from the *sole, official jeweler*, L. G. Balfour Co., Attleboro, Mass., *direct*, if a duplicate of the order is sent the Central Office. All designs, etc., are *copyrighted*, and hence may not be used without official license from the Grand Council.

2. *Plaques*, bearing either the *Coat-of-Arms* or the *Insignia* in bronze, can be purchased *ONLY* from the *sole, official jeweler*, L. G. Balfour Co., Attleboro, Mass. The designs are *copyrighted*.

3. *Stationery, Dance Orders, Menu Cards, etc.*, can be purchased *ONLY* from the *sole, official stationer*, L. G. Balfour Co., Attleboro, Mass. Designs of badges, coat-of-arms, insignia, etc., are all *copyrighted*.

4. *Flags, Pennants, Banners, Pillow Covers, Skull Caps, Arm Bands, etc.*, can be purchased *ONLY* from the *sole, official manufacturer*, The Aetna Flag & Banner Co., 125 E. 23rd St., New York, N. Y.

5. *Constitutions & By-laws, Rituals, Paraphernalia, Membership Record Cards, Separate Leaf Forms for Secy. & Treas. Books, Transfer Cards, and Pledge Cards* can be secured *only* from the Central Office.

6. *Membership Certificates* are issued *only* by the Central Office through Chapter Secretaries to members in *good standing* with both Chapter and Grand Council at the time of graduation.

7. *The Per Capita Tax or Grand Council Dues*, consisting of 50c per month, for the months of Oct., Nov., Dec., Jan., Feb., Mar., April and May (eight months) of each session, *per active member*, must be paid to the Grand R. & E., Dr. A. R. Bliss, Jr., using the regular per capita forms provided by that Grand Officer.

8. *The Agora Assessment* of \$4.00 per year for *each Collegiate Chapter* must also be paid to the Grand R. & E., Dr. A. R. Bliss, Jr. Space for this is provided on the per capita forms. It must be paid by Feb. 1.

9. *The Grand Council Membership Fee* of \$2.00 for each and every initiate must be paid to the Grand R. & E., Dr. A. R. Bliss, Jr., *immediately following initiation*. Space for this fee is provided on the per capita forms.

10. *Life Subscriptions to THE KAPPA PSI MASK* must be paid to the *Central Office* by ALL members. See the Constitution for details.

11. *Membership Record Cards* (two for each initiate) must be filled out at the time of initiation, and one sent to the Central Office and the other kept in the chapter file.

12. *Annual Officers' Report Forms*, due in February of each session, may be obtained from the Central Office.

13. *Chapter Letters* must be sent the Central Office by chapter historians by the dates requested. Chapters unrepresented by letter are liable to a fine of \$10.00.

14. THE KAPPA PSI MASK is mailed chapters in bulk, c/o the Historian who is responsible for the *delivery* to active members. Requisition for the number required must be made to the Central Office at least three weeks before date of issue (Jan., April, July, and Nov.). The summer issue is mailed to individual members IF a summer mailing list is furnished by the chapter; otherwise no copies are mailed.

15. *Coat-of-arms or Insignia inserts for college annuals* are furnished by the official publishers—Geo. Banta Pub. Co., Menasha, Wis.

16. *Hat Bands*.—Order from Wick Narrow Fabric Co., 931 Market St., Philadelphia, Pa.

NO PERSON IS A MEMBER OF KAPPA PSI UNLESS HIS GRAND COUNCIL MEMBERSHIP FEE, HIS PER CAPITA TAX (to date), AND HIS LIFE SUBSCRIPTION TO THE KAPPA PSI MASK (or installments to date) ARE PAID, AND A MEMBERSHIP RECORD CARD HAS BEEN FILED WITH THE CENTRAL OFFICE. THERE ARE NO EXCEPTIONS.

If an officer finds his duties interfere with his college work he should ask his chapter to give him an assistant who, besides helping him, will be trained to succeed him.



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NOTICE: CASH MUST ACCOMPANY ALL ORDERS

New Price List: Kappa Psi Badges and Guards

PLAIN, polished or Roman, beveled border; or chased or nugget border; with two rubies in the eyes of Mask.....\$ 4.50

CROWN SET BADGES:

Whole Pearls, Opals, or Garnets (or any combination of these alternately or in corners)	14.50
Whole Pearls with Ruby corners.....	17.00
Whole Pearls with Emerald corners.....	21.80
Whole Pearls with Diamond corners.....	50.00
Whole Pearls and Rubies alternately.....	22.84
Whole Pearls and Emeralds alternately.....	31.08
Whole Pearls and Diamonds alternately.....	94.50
Emeralds and Diamonds alternately.....	112.62
Rubies and Diamonds alternately.....	103.95
Emeralds with Diamond corners.....	76.23
Rubies with Diamond corners.....	65.84
Diamonds with Emerald corners.....	149.00
Diamonds with Ruby corners.....	145.54
Diamonds, entire.....	174.25
Sapphire mounting, same prices as rubies.	

Both eyes of Mask set with—

Brilliant Cut Diamonds, extra cost.....	12.00
Rose Diamonds, best quality, extra cost.....	6.00

Platinum Setting: \$25.00 additional. 18K White Gold: \$5.00 additional.

CHAPTER GUARDS:

	Small or Medium	Large
Single Letter—Plain Gold	\$2.63	\$2.89
Close set pearl.....	4.20	5.25
Crown set pearl.....	5.78	7.35
Double Letter—Plain gold	3.68	4.20
Close set pearl.....	7.35	8.40
Crown set pearl.....	10.50	12.60

Additional price per stone

Rubies, \$0.53

Emeralds, \$0.79

Diamonds, \$3.15

The Fraternity coat-of-arms with safety clasp and guard chain attachment may be had if preferred. They are furnished in gold in the miniature size at \$2.63 or the medium size at \$3.15.

18K White Gold..... \$2.63 additional

Platinum Settings—Single Letter..... 5.25 additional

Platinum Settings—Double Letter..... 10.50 additional

All jewels are carefully selected and matched and of brilliant cut. The badges are of 14K gold and are provided with safety catches. Three initials and chapter letters will be engraved on the backs free of charge IF cash accompanies order. All badges are made with the Mask raised in gold and a ruby inserted in each eye.

PLEDGE BUTTONS will be furnished for 35c apiece. These are made of gold plate hard French enamel, and a solid back. Each chapter should have a supply of these buttons on hand as the property of the chapter.

RECOGNITION BUTTONS, 75c each.

WALL PLAQUES: Insignia or Coat-of-arms in bronze, \$5.50 each.

TERMS

ALL ORDERS MUST BE SENT TO THE G. R. & E., DR. A. R. BLISS, JR., THE ALMADURA APTS., 1489 POPLAR BLVD., MEMPHIS, TENN. No jewelers will furnish Kappa Psi badges. CASH MUST ACCOMPANY ALL ORDERS.

Kappa Psi jewelry other than badges MUST be ordered from the OFFICIAL KAPPA PSI JEWELER—there is only one—The L. G. Balfour Co., Attleboro, Mass., and a duplicate order sent the G. R. & E.

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