

The Sigma Zetan

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Chemical Laboratory, Shurtleff College

IN RETROSPECT

As April comes around once more the Editors of the SIGMA ZETAN realize that it is necessary to secure material for Volume 2 of the publication. There is considerable material available which no doubt will be of interest to the members and Alumni of the Society.

It is to be regretted that all the chapters were not represented by delegates to the Konclave at Kirksville State Teacher College, Kirksville, Mo., last Spring as those who were fortunate enough to attend were agreed that a good time was had by all. The members of that chapter exerted every effort to give the visitors a good time. This year, however, the Konclave meets at Otterbein College, on the 11th and 12th of April and strenuous efforts are being made to have every chapter of Sigma Zeta represented. The G. R-T. visited that school last Spring for just a day and if the treatment accorded him is any criterion, then all who attend the Konclave this year may rest assured of a good time.

Seriously, what has been accomplished by the Society during the past twelve months? At the Konclave last Spring, three new chapters were added to the roster, namely, the Epsilon chapter, at Otterbein College,

Westerville, Ohio; Zeta chapter, at Central State Teachers College, Stevens Point, Wisconsin; Eta chapter southeast Missouri State Teachers College, Cape Girardeau, Mo., thus making a total of seven active chapters within a period of four years of existence, which is a record of which to be proud. There has been correspondence this year between the Office of the G. R-T. and two Colleges, one in the State of Maryland and the other in Kansas, relative to the establishment of chapters there, and some definite action regarding them may be taken at the coming Konclave.

It has been the hope of the present Grand Recorder-Treasurer that he might visit the various chapters during this past year, in order to more firmly knit together the different chapters of the Society, but that has been found impossible. However, that is something that should be considered and if possible decided upon in the future as there is always danger of dissolution when any organization is loosely knit together.

There is no question but that the future of SIGMA ZETA looks bright and if each chapter will do its part there is no reason why SIGMA ZETA will not be the kind of organization every member wants it to be.

Grand Officers

- WILLIS J. BRAY, Head of Science Department, Kirksville State Teachers College, Kirksville, Mo., Grand Master Scientist.
- E. W. E. SCHEAR, Head of the Biology Department, Otterbein College, Westerville, Ohio., Vice-Grand Master Scientist.
- R. K. CARLETON, Director of the Chemical Laboratories, Shurtleff College, Alton, Ill., Grand Recorder-Treasurer.
- S. M. McCLURE, Professor of Chemistry, McKendree College, Lebanon, Ill., Grand Historian.

This issue of the SIGMA ZETAN, the second in the history of the publication, has been edited by Professor F. E. List and R. K. Carleton, of Shurtleff College.

EDITORIAL

On October first, of last year there was observed the fourth birthday of SIGMA ZETA and there are several points of interest to be noticed in that connection. When the Society was begun there was no idea that its influence would spread to as great a degree as has been the case. Last Fall there were seven chapters of the Society, all active and flourishing. That in a brief space of four years. But, numbers do not tell the entire story. There has been a growing interest in the affairs of the organization shown by the members of the various chapters which are scattered from Illinois to Virginia on the East and from Wisconsin to the southeast tip of Missouri.

The growth of the Society has been indeed very rapid. It has been more rapid than it really should have been. As a result a number of things that were adopted locally for the use of the Alpha Chapter, have necessarily been taken over, temporarily at least by the other chapters. Among these items are the Constitution; the Mem-

bership Certificate, etc. Most anyone will agree that the requirements of a school in Illinois for instance will not be identical with those in Virginia, neither will the same viewpoints be held by two students, one in Missouri and another in Wisconsin. In other words, the time has come for a Constitution that will fit the needs of all the chapters, to be worked out and adopted. It should be if possible, adaptable to the needs of future chapters. Then there is the matter of the Membership Certificate. A type of certificate ought to be devised and adopted which will be satisfactory to the members of all the chapters, based perhaps more or less on the one now used by some of the chapters.

These are but two of a number of items that ought to be worked over, thought over, and discussed thoroughly and then decided upon by the entire Society.

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CHAPTER ACTIVITIES

Alpha Chapter

This year has been one of the most successful in the history of the chapter. SIGMA ZETA has been assigned the first and third Wednesday evenings of each month for its meetings and it has been fortunate in securing some interesting speakers. Among them have been Dr. Heidemann of Washington University of St. Louis, and Mr. Homan, who is a member of the National Organization of Boy Scouts. Both gave most interesting talks.

Professor Carleton has been at the College during the past seven years. He was one of the charter members

of the organization and during the past two years has been Grand Recorder-Treasurer. However, he is planning to be away from the College on a leave of absence during which time he will secure his Ph. D. degree. On June first, he will leave to take charge of the Science Department of the Southeast Missouri State Teachers College, Cape Girardeau during the Summer Session there which continues until the first week of August. From there he will go to Nashville, Tenn., where on October first he will join the Faculty of the George Peabody College for Teachers and will complete his work for the Doctor's degree. Both Professor and Mrs. Carlton however are looking forward to the time when they can be back at Shurtleff again.

Norval Wilson has not yet graduated so his activities cannot be classed under the Alumni column. However, during the past year he has done something which merits attention. It is a well known fact that he is of an inventive nature. He devised some time ago a Constant Level Water-bath which has proven extremely valuable in laboratory work. A descriptive article appeared in a recent issue of the Journal of Chemical Education.

The officers and membership of Alpha Chapter comprise the following:

OFFICERS—1930

Ronald Bowen.....Master Scientist
 Mary Dawson...Vice-Master Scientist
 Paul Oertel.....Recorder-Treasurer

Active Members

Ronald Bowen	John Logan
Ralph Carr	Paul Oertel
Mary Dawson	Ray Gwillim
George Duke	Edward Stobbs
Norval Wilson	

Associate Members

Marjorie Benner	Otto Schmidt
Walter Johler	Walter Stobbs
Alan Mather	Orville Thies
Edward Meyer	Ralph Webring

On February 19, 1930, the following were received into active membership:

Harold Gwillim Mabel Routt

Many others joined the ranks of Associate Members on that same memorable night. They were:

Joseph Apple	Virginia Mook
Latham Harris	John Rea
William Hawker	Alice Reid
Clark Judd	Edward Ross
Raymond Largent	Evelyn Schaefer
Charles Lampert	Irene Schwaab
Harold Mayfield	Bramlet Swain
Robert McFarlane	Carolyn Swain
Ella Miller	Eloise Swain
William Winter	

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ALPHA ALUMNI NOTES

Miss Evelyn Dixon has the "Jessie R. Barr fellowship," in Bacteriology at Washington University, St. Louis and will receive her master's degree next year.

Miss Helen Dawson received her master's in Anatomy and is now working on her Doctorate. Miss Dixon and Miss Dawson will do biological research at the Marine Biological Laboratory at Woods Hole, Mass., this summer.

Homer Duffey received his master's degree at University of Illinois and is now teaching at Racine, Wis.

"Stra!" White after returning from his world tour, has returned to his medical studies at Washington University.

"Ab" Scott is in his third year at Washington University Medical School. Mr. Scott agrees, that "it is not good for man to live alone," so he took unto himself a wife.

"Bob" Tyner is the most recent, "good man gone wrong." He has also become a medical student.

Mr. and Mrs. C. P. Smith are the proud parents of a son, Philip Walton Smith. Mrs. Smith, formerly was Miss Mary Helen Walton, a charter member of Sigma Zeta and we hope young Philip W. will some day become a loyal Sigma Zetan also.

L. K. Meyer is doing graduate work in Mechanical Engineering at Massachusetts Institute of Technology.

Elbert Ruyle spent the summer in St. Louis at the Missouri Baptist Sanitarium doing biological work, but is now teaching Science at the Winslow High School, Winslow, Illinois.

Miss Harriet Sheets entered Chicago University, but was forced to quit on account of eye trouble. She hopes to continue in the near future.

Harry Welch and Mary Hughey decided to go into partnership and are now enjoying a happy married life.

Rodger McBrien has another patent on his automatic fire extinguisher and burglar alarm which gives him complete coverage on the system.

Abner Barr has wandered into the oil fields of South America in search of adventure.

Ray Montgomery is a manager in the stores of Butler Brothers in Texas.

Margery Fish, a former Master Scientist of the Alpha Chapter, quit teaching to become Mrs. White. Mr. and Mrs. A. G. White are living in Urbana.

Jean McBrien is in charge of the Science Department of Arlington Hall at Washington, D. C.

Wayne Schmidt, who left us abruptly after he received his degree last year has been found working for the Goodyear Rubber Company in Akron Ohio. We have authentic information to the effect that he has done such excellent work that he is now in charge of the battery room of that plant.

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BETA CHAPTER

During the summer term, the Beta chapter initiated two new members, James F. Hortin, of Albion, and Robert E. Brissenden, of Clay City. The initiation was held the evening of July 30th at the home of Dr. C. J. Stowell. Following the business meeting, an informal dinner was served to the members and friends.

Hortin is a mathematics major and, incidently, held the scholarship cup of his fraternity during the past year. Brissenden, a chemistry major, left McKendree at the close of the summer session to enroll in the University of New Mexico, where the climate is expected to improve his health.

At this summer meeting, officers for the ensuing year were elected: Kendall E. Born '30 was master scientist, Elizabeth Melson as vice chairman and Professor S. M. McClure as recorder-treasurer.

Of the more recent graduates of Beta, V. R. W. Hardy, '28, after a year of high school teaching, was awarded the McKendree College scholarship at the University of Illinois where he will continue work for the doctorate in chemistry.

Dale A. Benner, also of the Centennial class, and holder of the Peter Akers scholarship in chemistry at McKendree, has been promoted from

the East St. Louis laboratory of the Aluminum Ore Company of America to sales offices in St. Louis.

Zella M. Malandrone, 1929, after attending the summer term, is teaching mathematics and sciences at the Chester High School.

Elizabeth R. Melson, of Fairfield, Illinois, has re-entered college here after a years teaching; she expects to become a candidate for her degree in mathematics at the coming Commencement.

Mary L. Richards, 1928, is this year, an instructor in science at the Brighton Community High School, Illinois.

A recommendation, fostered by the Beta chapter has been adopted by the Faculty of the College to the effect that a comprehensive final examination in the major subject is now required, during the Senior year, of all candidates for the Bachelor of Science degree.

At the close of the summer session, the usual geological field trip through southern Illinois and Indiana to Mammoth Cave was extended this year into the Nashville Basin and the Kentucky Hills. After returning to Lebanon, Professor McClure conducted a small party of students on a two week's trip to the Black Hills and the Devil's Tower region in Wyoming.

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GAMMA CHAPTER

From our friends at the Medical College, Richmond, Va., whom we are hoping to see at the Konclave this year, comes the information that the chapter is active and forging rapidly ahead under the present leadership. Quoting from a recent letter to the

G. R-T, "At the last meeting of our society, the following men were taken into associate membership:

H. I. Amprey	W. E. Daniel, Jr
C. H. Armentrout	D. A. Dent
D. B. Armistead.	G. R. Elliot
W. H. Ball	S. R. Hamilton, Jr
R. C. Bunts	C. W. LaFratta
R. D. Butterworth	J. McCall
W. E. Butler	W. T. Pugh.
F. P. Coleman	W. G. Talmage
L. B. Copenhaver	E. H. Williams

A few meetings back, Mr. M. K. King and Mr. J. R. Gudger were taken into active membership. A few of the above associate members who are at the present time members of the Junior Medical Class, will probably become active members."

EPSILON CHAPTER

The Konclave this year at Otterbein College is going to enable those who attend, to become well acquainted with our good friends of the Epsilon Chapter. According to latest reports this chapter is progressing rapidly. One of its members says—"We are having a rather active chapter this year with sixteen or more active members and at least ten associate. Three of the latter however, will be initiated into active membership soon. I find that Freshmen already are striving to make grades that will qualify them for membership so I think it (Sigma Zeta) is having a wholesome influence in our College. We are also having interesting meetings both from the standpoint of literary work and social contact as well."

Isn't that a fine report to make about the activities of a chapter? I think we will all agree that the Epsilon Chapter is doing its part toward the furtherance of the purposes of the Society.

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ZETA CHAPTER

Zeta chapter was granted its charter in May, 1929, with 33 charter members. This year, 7 active members and 8 associate members were taken in the first semester; 9 active and 4 associate members were taken in during the second semester.

Aside from strictly business meetings, the chapter has had four program meetings. The first meeting Dr. C. W. Lindow talked on "The Function of Copper in Haemoglobin Synthesis." In January, Miss Rowe, director of our dormitory, who holds her M. A. from U. of Wis., in the subject of Nutrition, gave a very interesting review of her impressions of the A. A. A. S., held at Des Moines during the holidays. In February, Dr. J. V. Collins gave a very excellent discussion of statistical methods. Dr. Collins is known, not only in the United States but in Europe as the author of several books on Mathematics and of magazine articles. Among his books are: "Elementary Practical Algebra," "First Year Course," "Second Course," and "Advanced Course."

The chapter voted to confer honorary membership upon Dr. Gary E. Culver, who was the instigator of our original Science Club, and who is now retired from the teaching field. Mr. Rogers, who was influential in changing our Science Club into a Sigma Zeta Chapter, is now on leave of absence, studying and teaching in U. of Penn. We hope to have him with us again next year.

Our fourth program was a very excellent talk, "The Recording and Reproduction of Sound," by Mr. Brickson, the director of Radio Station WLBL.

We hope, during the spring, to make use, for informational purposes of the paper mills, since paper making is one of the chief industries of this part of the country.

ETA CHAPTER

The last charter granted at the Kirksville Konclave was to the Teachers College at Cape Girardeau, Mo. Brother A. C. Magill, Head of the Science Department, there has been very much interested in Sigma Zeta, since its inception and the formation of the Eta chapter was due largely to the efforts of Brother Magill and Brother C. H. Olsen, a graduate of Otterbein College.

Brother Olsen, says he is going to the Konclave this year, no matter what happens, and this for two reasons. First, because it's to be at his Alma Mater, and second, because he is sure he will have the time of his life.

Brother Magill is to be away from his academic duties at Cape Girardeau for some time, while finishing up his work for the Ph. D. degree. He is to leave about the first of June for the U. of Missouri where he will spend the summer in work for the Doctorate, and then after returning to Cape Girardeau for the following Fall semester will probably be at Columbia, Mo., again during the Spring and summer terms of 1931. We wish him the best of luck.

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