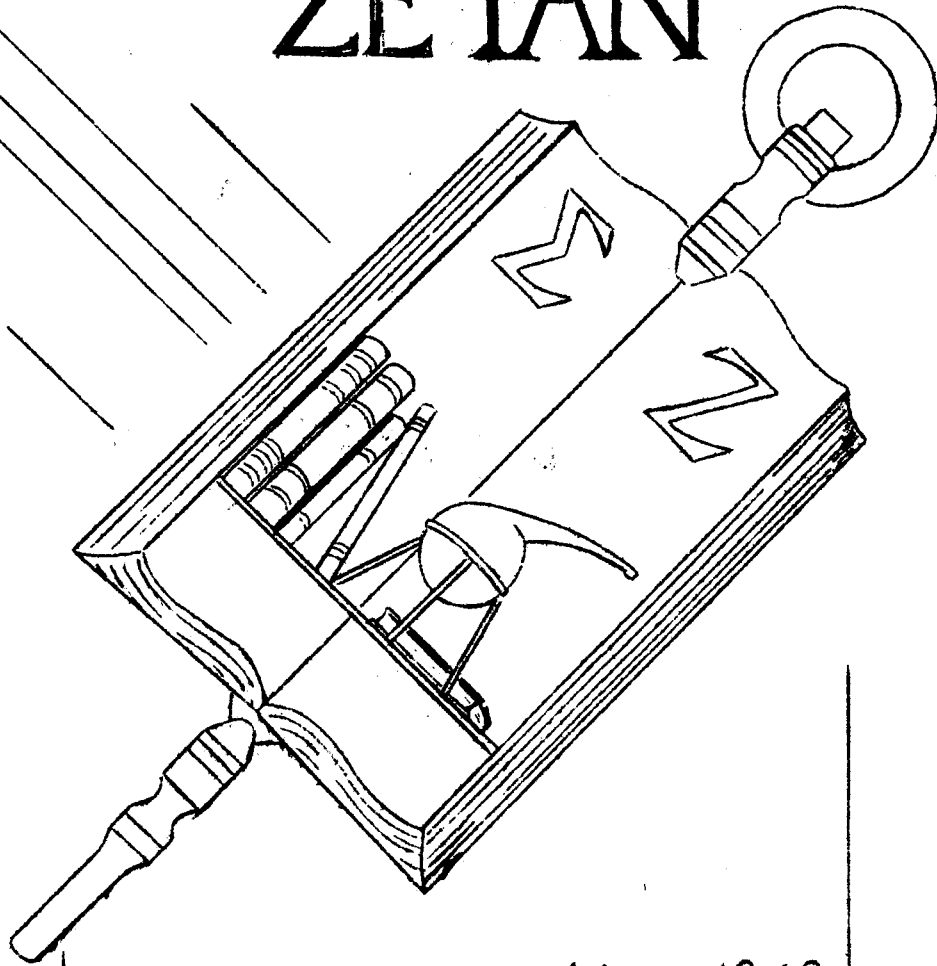


VOL. XIII

THE SIGMA ZETAN



May 1942

THE SIGMA ZETAN
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VOLUME XIII

STEVENS POINT, WISCONSIN, MAY, 1942

NUMBER 1

A MESSAGE FROM THE GRAND MASTER SCIENTIST:

Sigma Zeta is looking forward to another annual meeting. These meetings serve a very important purpose in maintaining the solidarity of the organization and in enabling those who attend to become acquainted with fellow workers in the field of science.

The meeting this year will, however, have special significance. Our country is at war, a war which is largely dependent upon the scientist for its successful prosecution. In peace times the work of the scientist is important to our intellectual development and physical progress; in war it is vital to our very existence. Unfortunately, there is a tragic shortage of scientifically trained men and women. Sixty-five thousand physicists are needed, urgently needed. Less than a tenth of that number are available in the whole of the western hemisphere. Similar conditions exist in other scientific fields. The situation is critical.

The men and women now majoring in chemistry, physics, biology, and mathematics who will graduate this spring will be able to obtain responsible positions in war industries or in the armed services of the country. Next year the number of science graduates must be doubled and redoubled. And the next year, and the next. Whether we like it or not, whether we approve or not, this is a scientists' war and we must win it. There is no alternative.

In this effort Sigma Zeta can have an important part. By arousing the interest of students in science through open meetings, exhibits, contests, etc., by encouraging qualified students to specialize in the sciences, and by rewarding ability and achievement by extending membership to superior students, the society can be of material assistance to the government in its efforts to develop scientific personnel. The aims and objectives of Sigma Zeta are in harmony with the needs of the hour. The interest and the wholehearted support of its members are necessary to its future program.

J. L. Glathart.

Mr. A. J. Esselstyn, Past Grand Master Scientist of Westerville, Ohio, sends his greetings and expresses the hope that the Conclave will be the best yet and that the attendance will be good. He regrets that he will be unable to attend, but says that "efforts are being made to get the gavel engraved as planned and it will probably be properly decorated when it is turned over to the Master Scientist at the Conclave."

SEVENTEENTH ANNUAL CONCLAVE OF THE SOCIETY OF SIGMA ZETA, TURKEY RUN STATE PARK,
MARSHALL, INDIANA, MAY 15 and 16, 1942.

NEWS OF THE CHAPTERS

ALPHA CHAPTER, Shurtleff College, Alton, Illinois, was organized in 1925. It has an active membership of nineteen students, ten associate members, and five faculty members. Shurtleff is a liberal arts college.

One of the most outstanding events this year was the initiation and banquet, held at the YWCA and attended by forty persons including active, honorary, associate, and alumni members. The society's colors—blue and white—were prominent in the decorations. The program was very informal, and included the reading of papers written by the initiates on such subjects as "The Value of Knowing How Many Drops in a Glass of Water," or "How Many Molecules in the Human Body." Also presented were the answers to the questions, "Who was the 'Mother of Pearl'?" and "What is the elixir of life?" The serious part of the program included talks by members of the society and also introductions of the alumni.

The regular meetings of the year have included talks by students and faculty members on various scientific problems. An added feature this year has been the use of moving pictures, some of them in color.

Officers of Alpha chapter are:

Master Scientist—Betty Emons
 Vice Master Scientist—William Jackson
 Recorder—Treasurer—Betty Perrottet
 Alumni Recorder—Nevalee Tallyn

BETA CHAPTER was organized in 1926 at McKendree College, Lebanon, Illinois. It is the smallest chapter in the society, but it has always been an active one. Present membership consists of three student and two faculty members. New members are initiated late in the second semester. Because of the small membership, Beta has done nothing this year except to hold business meetings. Until this year the Grand Historian of Sigma Zeta has been a member of Beta chapter, but he is now at Ball State Teachers College at Muncie, Indiana.

Officers of Beta chapter are:

Master Scientist—Albert Jondro
 Vice Master Scientist—Paul W. Yost
 Recorder—Treasurer—Paul W. Yost
 Faculty Advisor—Dean C. J. Stowell

GAMMA CHAPTER operates at the Medical College of Virginia, Richmond, Virginia, and was organized in 1927. Medicine, Pharmacy, Dentistry, and Nursing are the specialties. There are twenty-nine active and seventeen faculty members.

Gamma meets twice a month at which time the program includes a talk or the reading of a paper by a student member, followed by a talk by a guest speaker on subjects relating to the medical sciences.

MCV's paper, The Skull and Bones, reports as follows: "On Wednesday, March 4, Gamma Chapter of Sigma Zeta held its annual banquet and lecture.....Following the banquet the group reassembled at Baruch Auditorium to hear Dr. Paul David, of Johns Hopkins, deliver a lecture on 'Genetics in Human Pathology.' The lecture was open to the public and was well attended.

"Dr. David's talk, accompanied by lantern slides, was most interesting and enlightening. Dr. David emphasized that we must not be too hasty to say that

any disease is hereditary, but he did show that there is good evidence to support the conclusion that certain pathological conditions may be inherited."

Officers of Gamma chapter are:

Master Scientist—D. R. Gilbert
 Vice Master Scientist—C. R. Mirmelstein
 Recording Secretary—R. S. Brown
 Treasurer—Miss Margaret Rucker

DELTA CHAPTER of the State Teachers College at Kirksville, Missouri, was affiliated in 1927. It is apparently pulling out of a recent period of inactivity since several communications have been received by the Grand Recorder-Treasurer.

EPSILON CHAPTER of Otterbein College, Westerville, Ohio, was founded in 1929. Operating in a liberal arts college, it has a roster of twenty active, fifteen associate, and six faculty members.

Epsilon chapter meets twice a month. Social meetings of the year have included an introductory program, with refreshments, for those science students eligible for membership, and a Christmas party at which games with a scientific significance were played. The last meeting of the year will be in the form of an annual banquet for the graduating members. The programs at the regular meetings have included talks on Hayfever, The Sulfa-Drugs, The Peritoneoscope, Ptomaines, Explosives, and other timely and interesting subjects.

At a joint meeting with the McFadden Science Club, an associate club for Freshman and Sophomores, movies were shown on the progress of science.

Having met the expenses for the Conclave last spring rather profitably, the chapter has voted to start a scholarship fund with the profits as a nucleus. From this fund a prize will be awarded annually to a senior member of the club deemed worthy by a faculty committee.

This year's group has also been responsible for the planting of a blue spruce tree which came as a seedling from the National Conclave at Stevens Point back in 1937. It stands on Otterbein's campus in front of the Administration Building, a growing memorial to Sigma Zeta.

Epsilon's officers:

Master Scientist—Florence Emert
 Vice Master Scientist—George Farrison
 Recorder-Treasurer—Thomas A. Gardner
 Program Chairman—Howard Altman

ZETA CHAPTER was organized in 1929 at Central State Teachers College, Stevens Point, Wisconsin. It has twenty-seven active, five associate, and fourteen faculty members.

One of the big events in Zeta's year is the annual alumni and initiation banquet. On November 1, seventeen candidates were initiated as active members, and five others accepted associate membership. At the regular November meeting, Professor T. A. Rogers spoke on the history and uses of the soybean.

Later meetings included talks by other faculty members: Dr. A. S. Lyness on the history and main ideas of the various theories of evolution (a long and lively discussion followed this one); Professor Helen Meston of the home economics department on some scientific aspects of cookery, with particular attention to sugar cookery and to problems involved in the preparation of foods in such a way as to preserve their mineral content and appearance; Dr. O. F. Nixon on the "Science of Mathematics;" and Professor C. C. Evans on the training of a naval ensign.

One of Zeta's graduates, Roland Cady, who is now working in the Marathon Chemical Company, a subsidiary of a large paper company, spoke on the utilization of paper mill wastes. He told of the production of vanillin and plastics from waste sulfite liquors.

The Sigma Zeta Student Trophy award is being revived this year. It will be given to the most outstanding member of the chapter on the basis of scholarship and service to the chapter and the school.

The last meeting of the year will be the traditional picnic, but before that, Zeta chapter plans to send at least ten delegates to the Conclave.

Officers of Zeta chapter:

Master Scientist—Floyd Nixon
 Vice Master Scientist—James Unger
 Recorder—Treasurer—Gilbert W. Faust

ETA CHAPTER was organized at the State Teachers College at Cape Girardeau, Missouri, in 1929, but it has been inactive since 1934.

THETA CHAPTER of the Elizabethtown College at Elizabethtown, Pennsylvania, has not been heard from this year. Can it be that they are inactive, too?

IOTA CHAPTER, Indiana State Teachers College, Terre Haute, Indiana, affiliated in 1933, inactive most of the time since.

KAPPA CHAPTER was established at Western Illinois State Teachers College, Macomb, Illinois, in 1935, and has over fifty student and twenty faculty members.

Kappa chapter held a meeting during the summer term (in July) and initiated twenty-one members who would not be in school during the regular term.

During the year, each department has presented a program at the regular meetings. At the December meeting fifteen more new members were initiated, and at the same meeting the Geology department showed movies on astronomy. The annual banquet for members and alumni was held in March. The last initiation of the year was held in April.

Officers of Kappa chapter:

Master Scientist—Roscoe Brooks
 Vice Master Scientist—Dorothy Eller
 Recorder—Treasurer—Dorothy Graham
 Historian—Elizabeth Peterson
 Editor—Elmo Kulish

LAMBDA CHAPTER, established at the State Teachers College in Mansfield, Pennsylvania, in 1936, has twenty-two active, sixteen associate, seven faculty, and two honorary members.

Lambda set as its objectives for this year's work:

1. Establishing alumni records along with an alumni banquet.
2. Papers prepared for the national Conclave—and a larger student delegation at the Conclave.
3. Establishing better contact with the National Office and other chapters.
4. History of the chapter prepared, along with ideals and activities, to be presented to prospective members.
5. Preparation of an assembly program.
6. Official badges or pins.

Lambda's activities:

- October--The college physician presented a talk on "Injuries in College Sports."
- November--Formal initiation program
- December--The Biology department presented a program of kodachrome films of insects and animals. The films were made by a faculty member of the chapter.
- January--The Homemaking department presented a panel discussion on "Nutrition in National Defense."
- February--A discussion on "Black Magic" at which time a member of the faculty displayed his ability as a magician.
- March--A guest speaker gave a detailed discussion of the universe, solar system, growth, planets and their history. Also in March, the chapter presented an assembly program in which the Chemistry department demonstrated the incendiary bomb; the Physics department demonstrated the Wheatstone Bridge, the rectifying properties of a radio tube, modern magnets and a lifting magnet; and the Biology department presented color portraits of common animals and plants.
- April--Program presented by the physicists of the society.
- May--Formal annual spring banquet and dance.

Officers of Lambda chapter:

Master Scientist--LeRoy Kilbourne
 Vice Master Scientist--Mary Jane Kitaif
 Secretary--Edna Miller
 Treasurer--Robert Hendricks

MU CHAPTER was founded at the Mankato State Teachers College, Mankato, Minnesota, in 1937. There are twelve active and six faculty members.

Mu chapter annually sponsors a contest for the best paper on some scientific topic. Last year, Miss Ruth Roberts won the prize on a paper dealing with X-rays. Several meetings have been held in conjunction with the science club.

Officers of Mu chapter:

Master Scientist--Allen Ritter
 Vice Master Scientist--John Robert
 Recorder-Treasurer--Stanley Stromswold

NU CHAPTER was also established in 1937 at the Northern Illinois State Teachers College, DeKalb, Illinois; present membership includes over fifty actives and three faculty.

The international situation has caused Nu to lose many members including most of the cabinet. The officers listed below are all new within the last month. Nineteen new members are to be initiated before the end of the year.

During the annual Homecoming celebration, the chapter held a tea for all Alumni members, and also won first prize in Decorated Houses.

On May 6, Nu chapter held its annual Science Open House, with all the science and math departments cooperating.

Officers of Nu chapter are:

President--Paul B. Hayes
 Vice President--Bruce Churchill
 Secretary--Lucille Stokes
 Treasurer--Ross Hulmes

XI CHAPTER was established in 1938 at Ball State Teachers College, Muncie, Indiana. Present members include thirty-six actives and fifteen faculty.

The fall meeting was a dinner followed by initiation. Mr. S. M. McClure, Grand Historian of Sigma Zeta and a newcomer to Ball State, reviewed the history of the society.

The winter meeting was in charge of Dr. Floy Hurlbut. A group of students presented "The Far Eastern War Theater." The various topics were "Our Links with the Far East"—"Our Pacific Bastion—The Hawaiian Islands"—"Physiography of the War Theater"—"Java, the Pearl of the Dutch East Indies"—"The Burma Road—Our Link with China"—"Malaya and Singapore—British Outposts."

Sigma Zeta collaborated with the Geography Club to bring Miss Edith Bane to the campus on February 4. She lectured on India. That evening she led an informal discussion among the students at Ball State.

Officers of Xi chapter:

President—Gene Richards
 Vice President—Alice Clark
 Secretary—Rosemary Rich
 Corresponding Secretary—Treasurer—Dr. D. E. Miller

OMICRON CHAPTER was founded in 1939 at Wilson Teachers College at Washington, D. C. There are eleven active and eight faculty members.

Activities for this year included the initiation banquet on December 11; teas given for the meeting of the city's science teachers and for the meeting of the math teachers; an assembly program, including a science demonstration, given for the whole college; and the Founders Day Banquet on March 30.

Omicron's officers:

Master Scientist—Doris Benjamin
 Vice Master Scientist—Hugh Fitzpatrick
 Recorder—Margaret Lowry
 Treasurer—Kaye Ginsberg

A MESSAGE FROM THE GRAND VICE MASTER SCIENTIST:

"Our organization is already feeling the strain of present conditions. We are all deeply concerned with world affairs, with the effects these might have upon our personal well-being, and with the immediate personal aspects of the situation in which we find ourselves today. Many of our juniors and seniors, who constitute our membership, are leaving school to enter the service of our country or to engage in other work. Sigma Zeta will need additional support thru increased effort and interest to assure continued growth, or even to maintain its present status. We may expect a drop in membership, but we must not permit a decrease in effectiveness. The roll of science in the present conflict should react upon our efforts with tremendous impetus to do our work better and to interest more students in the cause of science. Much can be done toward this end by more thoro preparation for our local chapter programs, by better attendance, and by increased publicity. Still other methods should be evolved by each chapter to make its work more effective."

H. H. Eller

THE CONCLAVE

Here is the tentative program for the Seventeenth Annual Conclave which will be held at Turkey Run State Park, near Marshall, Indiana, Friday and Saturday, May 15 and 16.

Thursday, May 14

8:00 PM - Meeting of National Officers

Friday, May 15

9:00 AM - Registration
 12:00 M - Luncheon
 1:30 PM - First General Session
 1:30 PM - Greetings
 1:45 PM - Business Meeting
 3:00 PM - Student papers
 6:30 PM - Annual Banquet

Saturday, May 16

6:00 AM - Trip through the Park
 9:00 AM - Final Business Session
 10:00AM - Student papers
 Adjournment

The sessions will be held at Turkey Run Inn, located in the Park.

Rooms will be available at the Inn, but reservations must be made by each group or individual. Such reservations should be for Friday night, May 15. The hotel rates, which include three meals are as follows: cabins (toilets and showers in the Inn), \$3.00 single - \$5.50 Double; rooms without bath, \$3.75 single - \$7.00 double bed; rooms with bath, \$4.25 single - \$8.00 double bed.

Any editor worth his salt, we suppose, has to write

AN EDITORIAL.

Really all we want to do is fill the rest of the space on this page. Mr. Rogers has commented on the specific problems confronting the society, and Mr. Eller and Mr. Glathart have both spoken of the impact of the war on the affairs of the society. So there's not much left for Ye Editor to say.

But just another comment on a problem brought up by the war: Most of our chapters are operating in teachers colleges, training men and women to be teachers. Our duty as science teachers and science students is first of all to keep a cool head and a healthy outlook. We've got to fight the attitudes of hate and prejudice which seem to be necessary concomitants of the war effort. To condemn a person merely because of a German background, or to refuse to listen to a song sung in German, is not healthy thinking. It may be absurd to think of fighting a war on an intellectual plane, but can't we do just that if we try? Is it necessary to advocate hate and intolerance for a whole race because of the misdeeds of their leaders? Perhaps one of the worst offenders in this respect is the author of the comic strip "Joe Palooka," who uses the name-calling propaganda device too much. Our function should be to develop through practice a healthy scientific attitude toward the whole problem.

THE GRAND RECORDER-TREASURER SAYS:

We are rapidly approaching the close of another school year and a milestone in Sigma Zeta. As we look back over the year, we are gratified with the activity manifested by most of the chapters. However, it is regrettable that two chapters, Eta, at State Teachers College, Cape Girardeau, Missouri, and Theta, at Elizabethtown College, Elizabethtown, Pennsylvania, have been inactive during the year.

While no new chapters were established, yet the committee on extension has been active, and as a result we now have regular forms to be used in petitioning for the installation of a new chapter. These forms are a decided improvement over the old procedure.

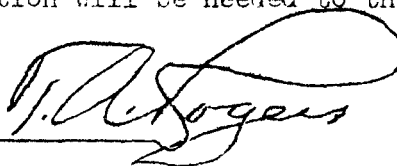
During the year new membership forms were substituted for the large membership diploma which had been in use since the organization of the society. Judging from the requests for these new forms they are being very well received.

Another problem receiving attention during the year concerned the handling of the Sigma Zeta jewelry. A plan was inaugurated whereby all Sigma Zeta jewelry is ordered through the office of the Grand Recorder-Treasurer. A total of sixty-seven orders for keys has been received from active members. These orders are given the official OK by the Grand Recorder-Treasurer before being forwarded to the jewelry company. This procedure assures the members of Sigma Zeta that only those entitled to wear a key will be permitted to make such a purchase.

During the time that the United States is engaged in the present war, enrollment in our colleges will be below normal. In view of this fact, increased attention should be given to keep alive organizations placing interest and attention on the sciences which will play an important part in the world of the future. Because of the unique place which Sigma Zeta occupies in giving recognition to science students in our smaller colleges, it merits our united efforts to make its influence wide spread.

In the days ahead measures will be taken by Sigma Zeta to meet the exigencies which will of necessity arise out of the unsettled conditions. Whatever these measures shall be, we trust that we will not sacrifice the honorary societies in our colleges.

Your time, effort, and earnest cooperation will be needed to this end.


THE GRAND OFFICERS

Grand Master Scientist: J. L. Glathart, Alpha Chapter, Alton, Illinois
 Grand Vice Master Scientist: W. H. Eller, Kappa Chapter, Macomb, Illinois
 Grand Recorder-Treasurer: T. A. Rogers, Zeta Chapter, Stevens Point, Wisconsin
 Grand Editor: G. W. Faust, Zeta Chapter, Stevens Point, Wisconsin
 Grand Historian: S. M. McClure, Xi Chapter, Muncie, Indiana
 Past Grand Master Scientist: A. J. Esselstyn, Epsilon Chapter, Westerville, Ohio

The editor wishes to express his sincere appreciation to Rayfield Skatrude, a member of Zeta chapter, who designed and executed the cover page, who lent much-needed moral support, and who assisted in many other ways in the preparation of this booklet.

LET'S ALL RUN TO TURKEY RUN FOR THE CONCLAVE—(Yeah, I know that one's corny.)

ORDER OF BUSINESS FOR THE CONCLAVE

The seventeenth annual Conclave of the Society of Sigma Zeta, in session at Turkey Run State Park, Marshall, Indiana, with the Grand Council as host:

1. Opening of the Conclave and reading of minutes of 1941 Conclave
 2. Reports of the Chapters
 3. Reports of the National Officers:
 - a. Grand Historian
 - b. Grand Recorder-Treasurer
 - c. Grand Editor
 4. Reports of Committees:
 - a. Alumni
 - b. Policy
 - c. Expansion and Promotion
 - d. Ritual
 5. Old Business
 6. New Business
 7. Discussion of the 1943 Conclave
 8. Report of the Nominating Committee
 9. Report of the Auditing Committee
 10. Election of new officers
 11. Response of the Grand Master Scientist
- Adjournment with presentation of Conclave gavel to the new Grand Master Scientist.

The following committees were appointed at the 1941 Conclave:

ALUMNI: T. A. Rogers, Chairman, Zeta Chapter, Stevens Point, Wisconsin
 E. E. List, Alpha Chapter, Alton, Illinois
 H. W. Olson, Omicron Chapter, Washington, D. C.

POLICY: C. J. Stowell, Chairman, Beta Chapter, Lebanon, Illinois
 E. W. Schreiber, Kappa Chapter, Macomb, Illinois
 T. A. Rogers, Zeta Chapter, Stevens Point, Wisconsin

RITUAL: E. E. List, Chairman, Alpha Chapter, Alton, Illinois
 S. M. McClure, Xi Chapter, Muncie, Indiana
 J. L. Glathart, Alpha Chapter, Alton, Illinois

EXPANSION AND PROMOTION:

D. E. Miller, Chairman, Xi Chapter, Muncie, Indiana
 P. D. Edwards, Xi Chapter, Muncie, Indiana
 T. A. Rogers, Zeta Chapter, Stevens Point, Wisconsin
