

in the interior, which are being selected with the advice of archeologists, historians, technical societies and others, are to be preserved in an inner glass crypt, filled with nitrogen or other inert gas.

Though the interest and cooperation of many scientific men has already been obtained through personal interview and by letter, we feel that the project needs and merits the suggestions and advice of as large a cross-section of the scientific community as possible. Many questions present themselves, such as: What method should be used for the preservation of the items in the "Time Capsule"? Should books be reduced to microfilm, and will this last? What books,

what small physical objects, what pictures, etc., will best present a picture of ourselves and our times to the people of *circa* 6939? What key to our language may we leave which will enable them to translate and understand what is in the capsule? How best may we leave word of the location of this capsule for the archeologists of such a distant future?

We welcome suggestions on these and other questions. As time is short, we urge scientific men to let us have at once their thoughts on this project.

D. S. YOUNGHOLM,
*Vice-president, Westinghouse Electric
and Manufacturing Company*

SOCIETIES AND MEETINGS

THE KANSAS ACADEMY OF SCIENCE

THE seventieth annual meeting of the Kansas Academy of Science was held at the Kansas State Teachers College, Pittsburg, March 31, April 1 and 2, 1938. Co-operating with the academy and meeting at the same time was held the thirty-fourth annual meeting of the Kansas Association of Teachers of Mathematics under the chairmanship of Miss Anna Marm, of Lindsborg; The Kansas Section of the Mathematical Association of America under the leadership of Vice-president C. B. Tucker, of Emporia; the Kansas and Nebraska chapters of the American Association of University Professors, with Professor D. A. Worcester, Lincoln, Nebraska, regional chairman; and the Kansas Entomological Society, which is affiliated with the academy as the section on entomology under the leadership of Vice-president L. C. Woodruff, Lawrence.

Dr. Leo Christiansen addressed the first meeting on Thursday evening under the joint auspices of the South East Kansas Section of the American Chemical Society and the academy on "The Farm Chemurgic."

Academy business sessions of an hour each were held on Friday and Saturday mornings on April 1 and 2. The remainder of the time during the two days was devoted to section meetings. A section on geology and one for science teachers were organized during the year and met as sections for the first time. Table I presents a report of the sessions.

The senior and junior banquets were held on Friday evening at the college cafeteria with an attendance of 180 at the senior banquet and 125 at the junior academy banquet. Dr. W. H. Schoewe, president-elect, served as toastmaster. President W. A. Brandenburg, of the college, responded with an address of welcome to the two groups. Professor George A. Dean gave the president's address on the subject, "The Contributions from Kansas to the Science of Entomology." The group then adjourned to the college auditorium to hear the annual invitation address, given this year by Dr. Lawrence H. Snyder, professor of zoology, Ohio State University, on the subject, "Heredit and Human Affairs," before an audience of approximately five hundred.

TABLE I

Section	Chairman	No. of papers	Total attendance	Chairman for 1938-1939
Botany	Miss Margaret Newcomb	28	40	C. C. McDonald, Wichita
Geology	J. M. Jewett	16	47	D. C. Schaffner, Emporia
Psychology	O. W. Alm	17	75	Joseph W. Nagge, Emporia
Zoology	C. E. Burt	29	75	Earl H. Herrick, Manhattan
Physics	C. V. Kent	11	35	Penrose Albright, Winfield
Chemistry	Lloyd McKinley	10	60	Fayette T. Owen, Emporia
Junior Academy	Oscar Klingman		300	Bill Akey, Pittsburg
Kansas Entomological Society	L. C. Woodruff	16	35	L. C. Woodruff, Lawrence
Science Teachers	W. J. Baumgartner	9	125	Lorene Bailey, Parsons; Biology
Mathematical Association of America	Chas. B. Tucker	4	50	Lawrence Oncley, Winfield, Phy. Sciences
Kansas Association of Teachers of Mathematics	Miss Anna Marm	2	75	Chas. B. Tucker, Emporia
University Professors	D. A. Worcester	7	50	Miss Minnie Stewart, Topeka
				D. A. Worcester, Lincoln, Nebr.

Trips to the strip coal mines, deep mines and a coal washer near Pittsburg, Kansas, were arranged for members and visitors. Progress in reclaiming former strip coal land was pointed out.

Committee progress was indicated in reports at the business meeting. The committee on natural areas prepared a descriptive illustrated pamphlet on "Rock City," an area of most unusual rock formations near Minneapolis, Kansas, which the committee hopes to preserve for posterity by means of a state or national monument. The pamphlet was widely distributed, and the rock city project has attracted attention in other states. The committee on science teaching in the secondary schools, with Dr. O. W. Alm, Kansas State College, chairman, made a survey of the subject in 235 high schools in cities of first, second and third classes and prepared an extended report of their findings for publication. The membership committee reported 180 new members during the year, with 740 on the membership roll. The committee on research awards, with Dr. L. D. Wooster, chairman, made the following awards for the ensuing year: To Dr. Edwina A. Cowan, director of the Child Research Laboratory, Friends University, Wichita, \$40 from the American Association for the Advancement of Science and academy funds, for the purchase of a chronoscope to assist in her studies on constitutional types of children; to Dr. Frank C. Gates, Kansas State College, Manhattan, \$42.50 from the academy treasury for assistance in the study of the distribution of flowering plants and ferns of the state; to Dr. John Breukelman, Kansas State Teachers College, Emporia, \$32.50, which is award No. 2 of the Albert B. Reagan endowment fund for aid in his studies on the distribution of Kansas fishes; to Professor H. R. Bryson, assistant professor of entomology, Kansas State College, \$25 from the A. A. A. S. fund to pay for drawings of Elateridae of Kansas; to Dr. Mary T. Harman, professor of zoology, Kansas State College, \$42.50 from the academy fund to aid in her studies of the development of pigment in the hair and skin of guinea pigs; and to Dr. Roger C. Smith, professor of entomology, Kansas State College, \$25 from the A. A. A. S. fund to pay for photographs of grasshopper eggs. The \$75 from the A. A. A. S. was augmented by \$100 from the academy treasury, providing a total of \$207.50 for research funds for the coming year.

Dr. H. A. Zinszer, the treasurer, was designated representative to the Academy Conference at the Richmond meeting.

Possibly the outstanding accomplishment of the year was made by the Junior Academy of Science committee, which consisted of Dr. J. Ralph Wells, Kansas State Teachers College, Pittsburg, *chairman*, Miss Edith Beach, Lawrence, and J. A. Brownlee, Wichita.

They reported a total of 17 affiliated Junior Academy groups, 11 of which were organized since the last meeting. The junior academy meeting consisted of the induction of the 11 new clubs and a full afternoon of individual and group demonstrations. The Lawrence, Jr. High School group was awarded first place and will be given temporary custody of the loving cup to be bought for this recognition.

The American Association of University Professors held two sessions. Dean C. M. Correll, of Kansas State College, was chairman of the morning session at ten o'clock. Dr. C. M. Street presided at the luncheon meeting at twelve thirty. An important action written by the association was the establishment of a committee to bring about closer cooperation between the local chapters within the State of Kansas. The committee is to consist of one member from each chapter. Robert W. Conover, of Kansas State College, was appointed chairman.

The Kansas Academy inaugurated the plan last year of selecting the president a year in advance, thus giving him a preparatory year to think about his plans, aims and committees. Dr. W. H. Schoewe, professor of geology at the University of Kansas, was made president-elect last year and came to the meetings this year with a well-prepared organization plan and a list of carefully selected committee members. He initiated his term as president for the coming year at the business meeting on Saturday. Dr. H. H. Hall, Kansas State Teachers College, Pittsburg, Kansas, was selected as the president for 1939 with the title of president-elect. Other officers elected were as follows: *Vice-president*, Dean E. O. Deere, Bethany College, Lindsborg; *Secretary*, Roger C. Smith, Manhattan; *Treasurer*, H. A. Zinszer, Hays; *Members of the Executive Council*, Geo. A. Dean, Manhattan, Lawrence Oneley, Winfield, and R. H. Wheeler, Lawrence; *Editor*, Frank C. Gates, Manhattan; *Associate Editors*, R. E. Mohler, McPherson, and Robert Taft, Lawrence.

A total of 236 members registered for the meeting. The next annual meeting will be held in Lawrence at the University of Kansas about April 1, 1939.

ROGER C. SMITH,
Secretary

JOINT MEETING OF COLLEGE PHYSICS TEACHERS AT URBANA, ILLINOIS

THE physics teachers of the area outside of Chicago held an organization meeting at the University of Illinois on November 6, 1937. A general committee on arrangements was appointed at the time, consisting of Professor L. I. Bocksthaler, of Northwestern University; Professor R. Ronald Palmer, of James Millikin University, and Professor R. F. Paton, of the University of Illinois.