

# Dr. Keim Explains Details of State Bindweed Experiment

## Necessity of Eliminating Destruction of Crops Entails Research.

(Editor's note: Bindweed infestation is regarded today as one of Nebraska's most serious problems. In the following article, details of an extensive experiment are outlined by a well known authority.)

BY DR. F. D. KEIM.

(Chairman, Agronomy Department, University of Nebraska College of Agriculture.)

With more and more farmers rapidly realizing the danger of bindweed infestation which now covers approximately 400,000 acres of good Nebraska land, the necessity of having more research data on means of eradication has increased.

As a result a bindweed experiment, historically of great importance because it is the first time such a comprehensive investigation has been attempted out-state, has just been started near York. This cooperative project is being carried on by the U. S. department of agriculture and the department of agronomy of the University of Nebraska college of agriculture. It has for its purpose the assembling and collection of most recent data on perennial weed eradication.

### Answers Questions.

It is to be hoped that the experiment will answer many questions. Here are only a few of the more important ones. How often is it necessary to cultivate in order to give greatest efficiency in eradication? What about time of plowing? When should sodium chlorate be applied? What about

the depth of plowing and cultivation? These and many other similar questions will be closely studied in the project which is being conducted on the York farm by Louis Evans, Kansas State college graduate student.

The possibility of growing a crop of rye for pasture in the late fall and early spring and the possibility of growing a crop of feed such as sudan grass, cane or millet while eradication is being carried on is also being included in the experiment. In other words plowing and cultivation will start early in the spring, then along in June a feed crop will be planted. As soon as it is harvested in the fall, cultivation will begin and continue until snow flies.

### Smother Crops.

Use of smother crops such as cane, millet, hemp and alfalfa are also included in this investigation. With much interest in such means for eradicating the pest, the results will be interesting and vitally important.

Time, rates and method of applications of sodium chlorate are other things being considered. Any other new chemical herbicide advertised as a weed killer will be compared with the killing effects of sodium chlorate.

The object of the whole test is to try and reduce the cost of eradication of bindweed and make the procedure as practical as possible for Nebraska farmers. The work test on a 10-acre plan should develop some data which will further the practicability of getting rid of the weed.

# AMEN WILL TRY FOR U. S. BASEBALL TEAM

## Nebraska Player Goes to Baltimore to Seek Olympic Berth.

University of Nebraska's star first-baseman, Paul Amen, arrived in Baltimore, Ohio late Tuesday to participate in the tryouts for the Olympic baseball team. Thirty or 40 amateur baseball artists were expected to be on hand Thursday when the elimination for the team is to start.

Sponsors of the effort to make baseball an Olympic sport, the amateur baseball congress has planned an extensive training and tryout program which will last about 12 days.

At the end of this period of elimination, two complete teams will be selected to go to Berlin with the other members of the American Olympic team. Les Mann of Miami, executive vice of the baseball congress is in charge of all the affairs.

Altho the teams selected will not engage in any competition in connection with the other regular Olympic events, an attempt to establish baseball as was basketball introduced that year is the goal of the congress in assembling the amateur baseball stars in the United States.

## Educational Press Association Issues Twelfth Yearbook

Charles A. Bowers, secretary of the Nebraska State Teachers' association and editor of the Nebraska Educational Journal, is president of the Educational Press Association of America, which has just released its Twelfth yearbook.

The Yearbook includes a list of educational periodicals classified according to the principal field of education with which each is concerned, as administration and supervision, rural education, social studies, journals of state teachers' associations, and so on.

The Yearbook also contains a list of the sixty educational books of 1935 prepared annually for the American Library association by the Journal of the National Education association. A third feature of the Yearbook is a special article on the Horace Mann Centennial, which begins October 16, 1936. It was on July 1, 1837 that Horace Mann resigned as president of the Massachusetts senate to become secretary of the newly-created state board of education and the most influential leader in the movement for free public schools.

Mr. Bowers was elected president

of the Educational Press association at its annual meeting in St. Louis in February, and by virtue of his office, is also on the association's executive committee. Other officers are: Secretary, Lyle W. Ashby, former Nebraskan, and assistant director, Division of Publications, National Education association, and treasurer, E. T. Cameron of the Michigan Educational Journal.

The Educational Press association of America was organized at Denver in 1895, and admits to membership those publications which are issued for the promotion of public education.

## TEACHERS MEET FOR GEOGRAPHY CONCLAVE AT 2 THIS AFTERNOON

(Continued from Page 1)

Philip Johnston of McCook, will lead the discussion of "The geography of some recent conservation activities in Nebraska" at the third meeting and the following topics will be considered: "Power and Irrigation," "Soil erosion control," and "Shelterbelt."

### Collins Leads Meeting.

At the last conference, Superintendent Ray E. Collins, of Waco, will lead a discussion of "Field Work." The topics to be discussed are as follows: "Preparation," "Observations in the field (rural)," "Observations in the field (urban)," and "The teacher's personal observations as they function in the class room."

"Intraactional helps for geography teachers" was the subject for the first conference held last Thursday. Miss Vera Rigdon, instructor of geography in extension, was leader of the discussion.

## Former Students Accept Assistantships in Kansas

Elmer Heyne and Everette J. Kreizinger have accepted assistantships in the department of agronomy at Kansas State college, and will begin work July 1. Mr. Heyne, since graduation in 1935, has been connected with the soil conservation nursery at San Antonio, Tex. He will assist Dr. A. M. Brunson in corn breeding.

Kreizinger, a graduate in 1932, has been athletic coach in the Nebraska City high school for several years. He will work on alfalfa improvement with Dr. Grandfield.

# BROWN ANNOUNCES HUSKER BASKETBALL

## 20 Games Arranged for Nebraska, With 8 Home Contests.

Coach W. H. Browne has announced the 1936-37 schedule for the Cornhusker basketball team. The slate lists 20 games, including a trip to the east in which the team will visit Cleveland, Niagara Falls, Philadelphia and Washington, D. C.

There are eight home games on the schedule and the Cornhusker hoopers will meet three new opponents, including Montana, coached by A. J. Lewandowski, former Husker, Minnesota and Ohio State.

The first game of the season will be played early in December at the University of South Dakota, which indicates that practice will start around the first of November.

### The schedule:

- Dec. 11—South Dakota at Vermillion.
- Dec. 19—Montana at Lincoln.
- Dec. 21—Minnesota at Lincoln.
- Dec. 22—Ohio State at Lincoln.
- Dec. 26—Loyola at Chicago.
- Dec. 28—Western Reserve at Cleveland.
- Dec. 29—Canisius college at Buffalo, N. Y.
- Dec. 30—St. Thomas at Scranton, Pa.
- Jan. 1—Temple at Philadelphia.
- Jan. 2—George Washington at Washington, D. C.
- Jan. 9—Missouri at Columbia.
- Jan. 16—Iowa State at Lincoln.
- Jan. 18—Oklahoma at Lincoln.
- Jan. 30—Kansas State at Manhattan.
- Feb. 2—Kansas at Lawrence.
- Feb. 12—Oklahoma at Norman.
- Feb. 15—Kansas State at Lincoln.
- Feb. 19—Missouri at Lincoln.
- Feb. 27—Kansas at Lincoln.
- March 3—Iowa State at Ames.

Prof. Lawrence Vold of the law college faculty is author of an article entitled "The NRA and the AAA Experiments in Government, Economics, and Law," which appeared in the Nebraska Law Bulletin.

Among the engineering faculty members attending the meetings of the society for the promotion of engineering education at Madison, Wis., are Profs. P. K. Slaymaker, J. P. Colbert, T. T. Askhus, O. E. Edison, L. A. Bingham, C. M. Duff and Dean O. J. Ferguson. Professors Jiles Haney and A. A. Luebs drove to Dallas, Tex. to attend the summer convention of the A. S. M. E.

Prof. A. L. Frolik received his doctor's degree at Madison, Wis., June 22. His graduate work was taken in agronomy and marsh ecology. He and Mrs. Frolik attended commencement exercises at Madison.

# Booklet Shows Nebraska's Importance for Botanists

## Dr. Winter Tells of Plants That Grow in Various Parts of State.

Few people realize it, but Nebraska is one of the key states to botanists because it lies at the crossroads of midcontinental plant migration. This point is emphasized in a recent booklet published by the University botanical survey, Dr. R. J. Pool, director. The 203 page booklet by Dr. John Mack Winter, professor of biology at Peru State Teachers college, who recently received his doctor's degree here, was printed by the conservation and survey division, Dr. George Condra, dean and director.

This latest botanical achievement is one of the most complete works yet published and represents an analysis of all the flowering plants of the state with keys to the families, and species and with notes concerning their occurrence, range, and frequency.

### Various Plants Here.

Dr. Winter points out that certain plants peculiar to the northern forests enter the state in the canyons of the northwest counties, via the Black Hills, while the valleys of the Missouri are the western limit of a range of certain eastern plants. Even mountain varieties and plants found only in far western states are found in the panhandle sections of Nebraska and other species peculiar to the south extend north into the valley of the Republican.

In his study of Nebraska's plants, Dr. Winter found that some of those once common in the days of the pioneers are now extinct, others are fast becoming rare, while a few entirely new species of the flora seem to be doing well in their environment here. This successful invasion by new species may be an infiltration process instead of a mass attack, according to the writer. The disappearance of an old native may be due to the struggle for survival in localities to which they are poorly adapted, on account of changed conditions due to the activities of men.

### Plants Now Extinct.

Among plants found within the state in recent years are the yam, star flower, a wild pink, a wild indigo, and the Indian pipe. Such plants as wild black cherry, white oak, pin oak, trillium and papaw are found along the lower tributaries of the Missouri and that area is the extreme western limit

of these species. Those far western species which have gained a foothold in the borders of western Nebraska include certain wild asters and shrubs. Certain mountain dwelling varieties adorn the slopes of hilly sections of the state. These include evening primroses, a western sumac, and wild dahlias. Northern forest species such as buckbean, paper birch, and quaking aspen are sprinkled about the canyons or meadows of the northern counties.

In all there are about 1,879 species of flowering plants in Nebraska, not including many cultivated plants that have escaped from cultivation and have become well established in the "wild" state. These include 100 species of grasses, and the following noteworthy forms:

- 100 species of sedges, close relatives of grasses.
- 7 species goldenrods.
- 18 species asters.
- 12 species sunflowers.
- 11 species sagebrushes.
- 10 species thistles.
- 3 species hickories.
- 7 species oaks.
- 5 species cottonwoods.
- 7 species willows.
- 3 species ashes.
- 3 species maples.
- 2 species violets.
- 5 species milkweeds.
- 13 species orchids.

## VOLD NOMINATED LAW CONGRESS REPORTER

Prof. Lawrence Vold of the University college of law has been nominated by the American committee of the academy of comparative law as special reporter on company law for the second international congress of comparative law to be held at the Hague in July 1937. Owing to prior commitments preparing a new book on torts, Professor Vold is unable to accept the appointment.

FREE Neck Clip on any Permanent if you bring this Ad to 122 N. 12th St.


A \$7.50 Guaranteed Value All OIL SWIRLING RECONDITIONING FOR \$2.50 PERMANENT... ONLY \$3 Charmé French Curl PERMANENT..... \$1

\$5 Supreme Shampoo and V. Wave. \$8 HONEYCURL STEAM PERMANENT. No Electricity or Heat. \$3.50 Heaters. \$3.50 Croquignole.

FREE OFFER Shampoo and V. Wave. If you get a Finger Wave Dry Mon. & Tues., only 25c. Must bring this ad. to 122 N. 12.

Get Your New PERMANENT Here Now for the Vacation and 4th

LEADER BEAUTE SHOPPE  
122 N. 12 Phone: B5545-B1000.



# ... for a Gay Fourth

**CATALINA SWIM SUITS**—the preference and joy of modern mermaids. 2.95 to 5.95 (Second Floor)

**SPORTS FROCKS**—favorites of the "active sports" and the "spectator sports." 1.95 to 5.95 (Second Floor)

**DANCING FROCKS**—sheer, glamorous, young! Long or street length. 9.75 to 16.50 (Second Floor)

**SPORTS SHOES** for women. White and combinations. 4.00 to 5.00 (Second Floor)

**JODPHURS**—twill, well made! 3.95 (Second Floor)

**SEERSUCKER ROBES**—for house coats or beach wear. 2.95 (Second Floor)

**BANDANA 'KERCHIEFS**—for slacks toppers or peasant scarfs. 25c to 1.00 (First Floor)

**PIQUE SUN HATS**—open top. 39c (First Floor)

# MILLER & PAINE

EVER SINCE 1904

We have cleaned garments for Nebraska Students. Let us do your garment cleaning.

**MODERN CLEANERS**  
Soukup & Westover  
Call F2377 Service