

Miss Hamilton

A U R O R A   S P O R E A L I S

Vol. XI, No. 2

March-April, 1935

A Journal

Wherein are recorded the recollections, the ruminations, and the rasperations of those who have drunk from the foaming fount in the Department of Plant Pathology of the University of Minnesota and now spout forth in divers ways.

"Let the fount foam and never run dry,  
Let the spout squirt and never lose power."

Published by the Editorial Committee, aided and abetted by many others.

The Committee: C. C. Allison  
J. G. Leach  
Helen Hart, Chairman (on leave)

OLD TIMERS' COLYUM

The American Phytopathological Society will meet at University Farm June 24 to 27, inclusive. Every attempt will be made to have a good meeting. Aurora sends a special and urgent invitation to all Old Timers, near and far, to come if they possibly can. We will try to give cause for saying, "A pleasant and profitable time was had by all."

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DR. K. G. McINDOE, the tiger tamer of Liberia, is sojourning pro tem in England preparatory to a trip to the East and New Zealand. Sometime in October we expect to welcome Mac in the T. T., enroute for another term in Liberia. It will be interesting to compare Mac's stories with the documentary evidence.

DR. ERIC FRENCHY SHARVELLE sends his salaams and cheerios to the lads (girls, too, this time) in the T. T. He is still in England.

NEWS LETTER FROM TEXAS

"DR. MILTON I. KERNKAMP, with the Division of Plant Pathology, was presented by Dr. Ezekiel..... The regular conference program included a discussion by Dr. F. L. Thomas on cotton insects and by Dr. Walter N. Ezekiel on diseases of cotton." Thanks, Ezekiel, for pushing Kernkamp up so fast! Kerny remarks that spring, in all its beauty, is caressing Texas and schmucking her with a glorious profusion of wild flowers and wild honey. No wonder!

TINY PERSON writes from Baton Rouge, La., that he is making Rhizoctonia do funny tricks, just like Tiny used to do at S. S.

From the antipodes came greetings to the T. T. from JOHN CHURCHWARD. More recently, his thesis arrived. There must be ozone down there! Cheerio and pip pip!

Spring Zephyrs from tropic Java

and

THE WELLENSIEKS

Dear Aurie:

Your regular appearance is always greeted with enthusiasm. It reminds us of the many good times we had in Minnesota, although also without you we will not forget. Besides, we have two things which will remind us of the T. T. The first is the real Prince Albert tobacco which I recently discovered in a new shop. Yes Sir, the real old stuff. The second is a Persian cat which we called Polly Wolly Doodle after one of Big Chief's famous favorite songs. Things became somewhat difficult when she turned out to be a he, but it does not seem to matter to him.

We did not forget to think of you during the Xmas and New Year-time, only time lacked to write you earlier. Some Old Timers sent their greetings which we highly appreciated.

The tea breeding work is proceeding all right. I am not going to tell you more about it, because I probably should not be able to stop. But why the dickens do you always serve coffee at farewell parties? Let me read, in one of your next

issues that Miss Hart served a most delicious tea.

At the end of 1936 we are going on leave, should like to travel over the States but have not yet the slightest idea about the possibility of realization.

With the best of our regards

yours

*Wellensieck*

THE "SPRAYIN' PARSON" OF CADDO PARISH

Dear Aurora:

The "sprayin' Parson" has moved to Caddo Parish. Dean Freeman prophesied a Parish for me when he gave me his blessings from the Tottering Tower. The address is 606 Court House, Shreveport, La. X marks the spot. The Parish jail is on the next floor. If you hear I am there, please just lay it to doing missionary work among the tough eggs. Spring Hill Lab. was discontinued March 15. I am still on pecan disease work. There is a larger group here consisting of hort. men, soils men, an entomologist, and pathologist. Come up and see us sometime. It's not so far from the spring route of the rust scouts.

*H. E. Parson*

Thanks, Parson, an we kin use the prayers, so make em good.

W. F. (BILL) PEEL, once an inhabitant of the Forest Path. section of the T. T., writes from Urbana, Ill., that he is chief forester in the Soil Erosion Service for Illinois. While in Washington a while back Peel reminisced with Dr. Ralph Nellie Nelson. Bill played a determined first base about the time Nellie scooped em outen the dirt at 3 b.

From GEORGE M. FRANDSEN at Madison, South Dakota, this message: "I have been receiving the Aurora Sporealis and tickled to receive it. Best wishes to you and the other members whom I know."

Now, Aurora, look your prettiest and smile for the nice man!

Plea Rejected!

JIMMY (DR. JAMES) WALTER sent his ms. re "Corn smut from all angles and in the leaf spirals" for its final manicuring. With characteristic realism, he opined that the d--- thing would be sent back again. And it was--but with only a very dainty dab of lavender scented powder from a pink puff. Jimmy aspires to know when Chris (the Great Dane Himself) is going to make up his mind whether corn smut, mathematically or vice versa, hurts his corn. One guess is as good as another. We don't know either, nor neither does Chris--so he says. Them figgers look like somebody had too much corn. Looks to us as if J. J. is fixin to tanglefoot the corn some more. Rebuttal Rejected!

Another ms. recently arrived from Morristown, N. J. DR. VERRALL sent his F. igniarius paper. The Dr. and TOMMY GRAHAM are trying to eliminate Ceratostomella ulmi from stumps and prevent sprouting. Do the stumps sprout or spout in N. J.? (In grateful memory of DUCKY HINES' squirting sycamore.) The Doctor says that Tommy likes his work. Did Thomas really say that much or did A. F. only guess it?

Politics not the only funny thing in Louisiana

Forbes, not Benny but Pere I. L., had measles--just plain child's measles.

Wasn't it in that general region where Ponce de Leon sought the Fountain?

DR. CHIH TU, National Wu-Han University, Wuchang, Hupeh, China, is getting ready to give a course in plant pathology. He sends regards to T. T.

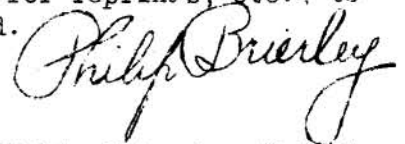
DR. T. C. LOH writes that he is glad several Chinese students are in process of "philosophizing themselves in *Phytophthora tremuloides*." So are we, T. C. Loh sends greetings and says he has been teaching plant disease control and mycology. Hit em hard; hit em, Loh!

Born March 11, 1935; on March 17 showed pugilistic proclivities by making ferocious faces; a few days later developed a left hook; now has perfected a right cross. Thus reads the chronology of Kid Tyler, as chronicled by his proud pa, DR. L. J. TYLER. We have not yet heard the mother's version.

BRIERLEY, the meat house Bombardier, has moved to Beltsville--at least he gets his mail there.

Plant Pathology Dept.:

Please change my address for *Aurora Sporealis* and for reprints, etc., to U. S. Horticultural Field Station, Beltsville, Maryland.



The Kätzchen Ball Diamond should have been called Beltsville when Brierley was here. Who remembers way back when Phil used to belt that ball! Socko, how he could sock it on the Schnozzel! The opposing pitchers put it all on every pitch, then ducked and came up with folded arms and cocked hat, a la Monsieur Napoleon on the deck of the Bellerophon (spelling subject to revision) en route to St. Helena.

DR. H. H. THORNBERRY is now at Riverside, California. Thorny likes his new work and surroundings.

DR. BELA HUSZ, of Budapest, wishes to extend an invitation to "all the boys and girls" to visit him in Budapest if they get within flying distance. He says the slogan they have adopted in Hungary is this: "We ain't rich but we don't live so bad." Not so bad either!

Horticultural Field Station  
Beltsville, Maryland  
April 30, 1935

Dear Aurory:

In token of full acceptance of the dictum that the Great Chief used to promulgate--to wit, that one good illustration is worth a page of text--I send you herewith six good pictures, and thereby cancel an obligation I know is overdue to write you a six-page letter, or six one-page letters.

In the midst of my labors on the new and terrifying azalea flower spot (I don't mean this quite literally, and I can't make anyone believe I labored there) I saw a few cars bearing Minnesota tags--yea verily a Packard or two and a Chrysler Floto or something like this, but the inmates of these vehicles did not look like plant pathologists from the Tottering Tower, so we passed without greeting. At any rate there were azaleas aplenty and, alas, spots in vast numbers too, but, like the French used to say in their war communiqués, "We made progress"! But don't be too inquisitive as to which direction!!

I migrate northward with the spring so as to enjoy this season perpetually. Right now, I'm in Washington; next week I expect to be in Long Island. Then since Louis Massey and E. F. Guba look after all the ornamental diseases north of the 40th parallel and east of the 80th meridian, I shall turn my radiator cap westward with Oregon as the ultimate goal and hope to reach Minnesota in June when you have spring there!

So with best wishes and till we meet again,

Your humble acolyte,

*Freeman H. Davis*

DR. K. ISENBECK, who spent about a year in the Tottering Tower and has just recently published his results on Sphacelotheca sorghi (IN GERMAN) is now in charge of the Experimental Fields at the Institute fur Pflanzenbau und Pflanzenzüchtung at the University of Halle. We should like to have a translation of some of the things he may find it necessary to say to some of the help, or is he as patient as appears on the surface? The Doctor recently spent some time in a camp where problems of the intellect were forgotten and the physical phase was built up. Isenbeck remarks that it is more or less refreshing to forget one's mental and spiritual worries from time to time. From somewhere we heard the "amen" echo.

DICKSON L. BAILEY, old timer of the vintage of about 1920, is now the proud possessor of a baby daughter. The young lady arrived in April. If she has inherited D. L.'s facility in the use of language, the Bailey home should be the seat of some scintillating arguments within the next few months or years.

From Dayton, Ohio, came intelligence of B. BERNARR VANCE, who sojourned in the Tottering Tower last summer. Vance is still interested in the problem of nuclear exchange in Puccinia graminis, and, in addition, has been working on a high school text on biology. We wish him luck in both enterprises.

Vance also adds, "Believe me, I look forward to the issues of *Aurora Sporealis* and appreciate very much receiving them. The bunch in the lab has pretty well changed by this time, haven't they. I hear from George and Jimmy occasionally-- and also from Hubert, on occasions which he deems of international importance."

RAYMOND BULGER, of South Dakota, who got sprayed by the foaming fount a few years ago is now sort of traveling agent for the western section of the barberry eradication area in addition to his regular duties as great mogul of barberry eradicators in South Dakota. In the course of official duties he has visited University Farm several times recently. On his last visit he asked to see Dr. L. W. Melander--all three of him. Melander says, however, it isn't so, insisting with all of his native vehemence that there is only one of him and that one is not oversize. However, if "weskits" were used for Christmas stockings, we would hate to have the job of filling the Doctor's.

All of sudden out of a clear sky, in typical fashion, G. R. (PETE) BISBY flashed over the horizon and devoted at least two hours to visiting Phytobrickhaus. He removed some of the ballast in the form of his publications which had been stored in the bird house since Bisby flitted away in his flivver some 15 years ago. On this last occasion he also had a flit complex and flitted away again before we hardly knew that he had arrived. These mycologists are homesick away from their little fungusses.

WISMER writes from Liberia that he has enjoyed it a lot. His story is that the nights are always so cool that one needs a blanket. He says that it was hotter

in Minnesota last summer than it has been in Liberia. Wismer also has a new story. He asserts that he encountered a big bush cat about  $\frac{1}{2}$  mile from his house about 2:30 A. M. Pulling his 45 pistol out, he took after the cat. He says that he hit it four times with three shots. This would suggest that possibly Wismer had had a few shots before; something must have been whirling. Was it Wismer or the bush cat? Wismer was returning from a party; he didn't say where the cat was coming from. He also traded some rheumatism liniment to an old native lady for an orange tree and the total out-put of eggs from one hen for a whole year. Now he is hoping the liniment will be effective, or the lady may not abide by the bargain.

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#### SIGNS AND SYMPTOMS

Spring is here. How do we know? Bright sunny weather, thermometer at 65° F., but--18 hrs. later 17° above with a 40 mile wind loaded down with thousands of tons of Kansas dust--and, "believe it or not," 9 inches of snow on May Day!!

The depression is still with us--notice the size of this issue of Aurora. For financial reasons ye Aurora Sprealis editors received orders to make it short--as short as a Minnesota spring.

Another sign--Eide sprayed his first orchard and added to his store of knowledge. Says Dr. Eide, "Its a lot easier to tell a farmer how to spray than it is to show him."

A symptom--of spring fever (and the absence of ye Editor in Chief)--this Aurora is several weeks late in appearing.

The gambling instinct is always with us. Since Dr. Dossdall acquired her snappy new Ford, wagers are being made that the new car will get more baths than her pet dog Buster. The odds are 50 - 50 at present.

Big game hunting has been added to the list of Aurora sports. Ian Tervet with Henry Darling as chief gun bearer went on an expedition into the wild and neglected jungles of the Plant Path. greenhouses. After a prolonged absence they emerged, pale and wan, but proudly bearing between them one big bad flaxseed-eating mouse. It is reported that Ian will use the skin as a covering for the head of his favorite golf club.

Eide

Another good idea gone haywire. Dr./who claims that he can do almost anything with his Ford has been using the back seat as an ash tray. But he learned that the darn thing is not all tin. At least the greater part of the back seat is combustible, so we hear.

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#### PERSONAL AND PERSONNEL

The melancholy days are come when theses have to be turned in, language exams must be passed, and field work has to be done.

J. G. Harrar the Firestone Rubber man, whose rubber arm holds the destinies of the Plant Path. kittenball team, has his thesis on Dr. Stakman's desk, Forbes' thesis has been here and gone again, Kaufert has already distributed his to the committee members, Churchward's has arrived, and Allison's is in preparation. The last day this year for filing Ph.D. theses is May 6th.

Henry Darling and maybe and maybe not Earle Hanson will take their M. S. degrees this spring. They have till May 20th to file their theses.

Vaheeduddin Syed, Henry Darling, Fred Davies, R. C. Cassell, and Bob Atkinson passed the German exam. Earl Hansing and Glenn KenKnight passed French.

Tea was held March 30 for Miss Hart and Miss Hamilton who left April 1st for England and the continent respectively. H. H. Humphrey, editor-in-chief of Phytopathology, was present and spoke shortly on the preparation of manuscripts for publication.

Dr. Johanna C. Went of Utrecht, Holland, was guest of honor at tea April 29th. She told of her researches the past year at Madison, Wisconsin, on the effect of chemicals on tobacco mosaic virus.

At literature seminar Thursday, April 25th, Mr. Earl M. D. Hansing blushingly recounted how Miss Tudy Kretzmeir of Chatfield, Minnesota, said "Yes!" Tudy is teaching school at Chatfield. Last spring the blonde barberian spoke at her school, and one year later succumbed to her charms. Hansing leaves for Manhattan, Kansas, around the 1st of May. She will follow later.

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#### REGULAR SEMINARS

At the regular seminars the following papers have been presented:

Bacterial wilt of corn -- Carl Borgeson (Agronomy)

Solving the barley blight problem -- Earl Hanson

Educating the farmer in the use of seed treatments -- Clyde Shumway

Progress in the control of turf diseases -- Stanley Swenson (Agronomy)

Every one in the division misses Dr. Hart, especially Christensen (J. J.) and Eide. As members of the seminar committee they realize now who has been doing most of the correcting of the seminar papers. The fact evidently isn't a secret to Prof. Stakmen, either, judging from the lectures on the use of the English language which have occupied about 40 per cent of the time for the last couple of seminars.

#### LITERATURE SEMINARS

March 14. The feature was a lecture by Dr. J. J. Christensen on corn improvement by double crossing.

March 28. Farewell for Dr. Hart, who, we understand, furnished the refreshments. The official reporter planned to come late, miss some of the talking, and get in on the eats, but everything was eaten and the seminar was out at 9 p.m. Guess who was playing bridge that night.

April 11. The meeting took up the discussion of strawberries and Plakidas. "Biography is a good way to learn some pathology." Prof. LeClerg nods wisely. "Why had everyone ought to know something about Plakidas?" Correct answer: "Because we heard so much about him in Atkinson's seminar paper about a month ago." Well, we had a lot of good guesses before we all gave up, anyway. Refreshments: Good cake at the expense of R. H. Bamberg, who was born in Winona, Miss., some time ago.

April 25. Through unimpeachable sources we learned that "not a darn thing happened in seminar. Allison furnished the cake and Stak reviewed all of the literature." Further questioning brought out the fact that Martin Luther, the Thirty Years' war, and other things of historical interest were discussed.

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VISITORS

- 2-17-35 Dr. A. H. Reginald Buller, Professor, University of Manitoba, Winnipeg, Canada
- 3-19-35 Dr. H. H. Flor, Associate Pathologist, Division of Cereal Crops and Diseases, U. S. Department of Agriculture, Fargo, North Dakota
- 3-22-35 Mr. John Bligh, Scientific Farmer, "Anchorfield," Brookstead, Queensland, Australia
- 3-30-35 Dr. H. B. Humphrey, Principal Pathologist, Division of Cereal Crops and Diseases, U. S. Department of Agriculture, Washington, D. C.
- 4- 2-35 Ernest Wright, Associate Pathologist, Shelterbelt, Department of Plant Pathology, University of Nebraska
- 4- 3-35 Mr. R. Bulger, Agent, Barberry Eradication, Division of Plant Disease Eradication and Control, U. S. Department of Agriculture, Brookings, South Dakota
- 4-16-35 Mr. Donald M. Stewart, Junior Forester, White Pine Blister Rust, Milwaukee, Wisconsin
- 4-29-35 Mr. Clyde N. Partington, Technical Foreman, Nicollet National Forest, Region 9, Long Lake, Wisconsin
- 4-29-35 Dr. Johanna C. Went, Utrecht, Holland (Now studying at Madison, Wisconsin, on virus diseases)
- 5- 3-35 Dr. G. R. Bisby, Professor of Plant Pathology, University of Manitoba, Winnipeg, Manitoba

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PUBLIC SERVICES

At present writing, A. G. Tolaas is making a trip through the southern potato regions in the interests of Minnesota certified seed growers. Tolaas expected to be so busy this trip that he left his golf clubs at home. We hope to have an account of his trip for next issue.

Rose and Allison wound up the seed treating campaign on April 15th. Although final reports are not yet available, more than 40 local elevators in this state have installed seed treating equipment with a large number of farmers taking advantage of this service. Rose is now engaged in follow-up work with county agents and elevator men, while Allison is very busy completing a Ph.D. thesis.

Dr. Stakman, on April 16, talked to the Linnaean Club of the Botany Department on the subject "Plant Pathology Through the Ages."



SPORTS SECTION

University

The Minnesota rifle team climaxed a highly successful season by annexing the big ten championship. With a perfect record for the year of no defeats in twelve matches, the team maintained the Minnesota tradition of producing leading marksmen.

The golf team has shown promise in two pre-season matches with Carleton College and St. Olaf College, winning both handily. While the team can hardly be rated as a strong contender for the big ten title, they are expected to win the majority of their conference matches.

Prospects for an excellent tennis season were slightly dimmed by the loss of one of last year's veterans. In trouncing Carleton College with the loss of but one match the team showed plenty of power and should be hard to beat in match play.

In contrast with last year's performance, the Minnesota baseball team has made an auspicious start and is beginning to look like a real ball club. Nebraska, St. Olaf, Gustavus Adolphus, and Luther College have all been decisively defeated in pre-season games. Improved pitching and more batting power are responsible for most of the victories. It is doubtful if the hitting will be so impressive in big ten circles. Infield weaknesses are likely to give Coach McCormick the most worry. Although the team should win a good percentage of the games played, it is considered doubtful if they are good enough to take the conference title.

The University track team has been unimpressive thus far and shows no promise of improvement. Lack of material seems to be the major difficulty. The sport seems to be on the wane at the University and can hardly regain popularity in the absence of outstanding performers. Slocum in the two mile has been one of the few consistent winners. The team is not expected to win any of its spring conference meets.

Departmental

Plant Path. retained its traditional supremacy in handball by winning the campus championship again this year. Harrar retained the singles title and paired with Dankers of the Department of Economics to win the doubles title.

The campus tennis tournament is about to get under way on the local courts. Plant Path. has a strong contender for the singles title in Davies who displayed some excellent tennis in the fall tournament.

Prospects for a strong kittenball team are exceedingly bright. The main issue at present is the lack of competition, as several of the departments have failed to organize teams this year. The championship cup which is now in the possession of Plant Path. must be won once more in order to remain permanently.

A tentative roster of the team is as follows:

Catchers: J. J. Christensen, E. Hanson

Pitchers: Skyberg, Bamberg, C. Christensen, Harrar

Infielders: Darling, Harrar, Lorenz, Anderson, Skyberg, Lindgren

Outfielders: Kaufert, Christensen, Hanson, Atkinson, Davies,  
Hansing, KenKnight, Moore

Manager: Bamberg

Captain: Harrar

Field Coach: J. J. Christensen

Head Coach: Dr. E. C. Stakman

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VERY SPECIAL NOTICE

A part of the program of the summer Phytopathological meetings will be one or more kittenball games. The games will be played Wednesday afternoon, June 26. All old time ball players or others interested are requested to come prepared to take part in these games. The type of games arranged will depend on the number of old timers and visitors who will participate. Plan to come, bring your playing togs, and play--and let us know so we can count on you!

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BOOKSHELF

Here are some publications that just came to our attention:

- Churchward, J. G. A note on the occurrence of seedling lesions caused by cereal smuts. Proc. Linn. Soc. New South Wales, lix, 3-4, pp. 197-199. 1934.
- Cormack, M. W. On the invasion of roots of *Medicago* and *Melilotus* by *Sclerotinia* sp. and *Plenodomus meliloti* D. and S. Canadian Jour. of Res. 11: 474-480. 1934.
- Ezekiel, W. N. and J. J. Taubenhaus. Field trials of pentachlorethane, tetrachlorethane, and xylol as affecting *Phymatotrichum* root rot and host plants. Phytopath. 25: 16. 1935. (Abs.)
- Greaney, F. J. and J. E. Machacek. Studies on the control of root-rot diseases of cereals caused by *Fusarium culmorum* (W. G. Sm.) Sacc. and *Helminthosporium sativum* P., K., and B. II. Pathogenicity of *Helminthosporium sativum* as influenced by *Cephalothecium roseum corda* in green-house pot tests. Sci. Agr. 15: 377-386. 1935.
- Hanna, W. F. (With W. Popp). Studies on the physiology of the oat smuts. Sci. Agr. 15: 424-434. 1935.
- Taubenhaus, J. J. and W. N. Ezekiel. Further studies on the longevity of sclerotia of *Phymatotrichum omnivorum*. Phytopath. 25: 36. 1935. (Abs.)
- \_\_\_\_\_ (With P. Decker). Laboratory and field studies on sulphur as a fungicide. Phytopath. 25: 35-36. 1935. (Abs.)
- Weiss, Freeman Aid of collaborators requested in Azalea flower spot survey. Plant Disease Reporter 19: 21-28. 1935.

Publications of present inmates:

- Christensen, Clyde Haploide Linien von *Ustilago tritici*. Züchter 7: 37-39. 1935.

- Christensen, J. J. and E. C. Stakman. Relation of Fusarium and Helminthosporium in barley seed to seedling blight and yield. Phytopath. 25: 309-327. 1935.
- \_\_\_\_\_ (With I. J. Johnson). Relation between number, size, and location of smut infections to reduction in yield of corn. Phytopath. 25: 223-233. 1935.
- \_\_\_\_\_ and I. J. Johnson. Field reactions of varieties and selfed lines of corn to different collections of Ustilago zene. Jour. Agr. Res. 50: 47-57. 1935.
- Dosdall, Louise Botrytis rhizome rot of iris in Minnesota in 1934. Plant Disease Reporter 19: 7-9. 1935.
- Eide, Carl J. Pest Control Program for Fruits in Minnesota. (With A. G. Ruggles). Minn. Agr. Exp. Sta. Cir. 50. 1935.
- \_\_\_\_\_ A pest control program for apples in Minnesota. (With A. G. Ruggles). Minn. Hort. 63: 73. 1935.
- Graham, T. W. Nuclear phenomena in Helminthosporium gramineum. Phytopath. 25: 284-286. 1935.
- Humphrey, H. B., E. C. Stakman, E. B. Mains, C. O. Johnston, H. C. Murphy, and Wayne M. Bever. The Rusts of Cereal Crops. U. S. D. A. Cir. 341. 1935.
- Leach, J. G. Common diseases of garden vegetables. Pages 50-58 in The Home Vegetable Garden. Minn. Agr. Exp. Sta. Bul. 315. 1935.
- LeClerc, E. L. Dusting and spraying experiments for the control of sugar-beet leaf spot in southern Minnesota. Phytopath. 25: 234-243. 1935.
- Tyler, Leon J. and Clyde P. Shumway. Hybridization between Sphacelotheca sorghi and Sorosporium reilianum. Phytopath. 25: 375-376. 1935.

Also abstracts in Phytopath. 25: 1935 by the following: Allison, Cassell, Darling, Hafstad, Hines, Kaufert, Leach, Levine, Moore, Sharvelle, and Tyler.