

3086d File  
DEPARTMENTAL NEWS LETTER IV

Department of Plant Pathology, University of Wisconsin

December 28, 1920

Published occasionally according to the stock of news  
and the available time of ye editors

Mrs. R. C. Williamson  
née Maude Miller

Miss Alma Steinmetz

The University opened on September 23 with an enrollment of about 7000, too many students for Wisconsin, to be sure, but, since 8000 were expected, a large instructional force was provided, and by studied arrangement of class rooms, the congestion is not over acute. The graduate school alone numbers 525, and of this number 21<sup>3</sup> are in plant pathology and botany. Each year the interrelations of these two nominal departments seem more intimate, and at the same time their relative importance on the campus seems increasing. This was strikingly shown by the recent figures issued by Dr. Slichter, the new Dean of the Graduate School, to the effect that of the 53 Ph. D. degrees granted last year 10 were in these subjects, call them one or two as one may. The only group in the same class was all phases of Economics, totaling 11 doctors. Anyhow, the desks in the graduate laboratory are closer than they have been since before the war, and in addition, the cereal laboratory is crowded.

Referring to our last news letter, we find we have many changes to record in the list of students, but few in the instructional staff.

J. C. Walker is in Chicago the first quarter, giving a course in plant pathology. In exchange, Dr. Crocker of the plant physiology department of Chicago will spend the second semester in our department. In order to hold up his hands, each of the senior members of the instructional staff has given one or two lectures there also (Drs. Jones, Johnson, Keitt, Vaughan, and Dickson).

Dr. E. M. Gilbert has taken charge of the laboratory work in the general course (101), with Mr. Montieth assisting.

Our foreign representation is quite as large this year as last, although the personnel has changed, Mr. Teodoro, of the Philippines, alone remaining for a second year with us.

Changes and additions to our last December list of graduate students and faculty and cereal appointments:

Miss Bracher of London, England, is doing graduate work in this department this year. She holds the Rose Sedgwick Memorial Fellowship, which enables her to spend one year in graduate study in some American university. She will spend the greater part of this time

at Wisconsin and the remainder at Columbia. Miss Bracher holds the position of lecturer in biology at the University of London, and her research interests are mycological, dealing with Rhytisma.

Miss Nevada S. Evans, who has been associated recently with Dr. Bolley of N. Dakota and formerly with Dr. Stakman of Minnesota, is continuing her graduate work. She is working on black point of wheat.

W. H. Davis of Cedar Falls, Iowa, who took his M. S. at Wisconsin in 1916 and has been teaching agriculture at Iowa State Teachers College, is continuing his work for the doctorate. His special problem is on timothy smut.

F. T. McFarland, professor of botany at the University of Kentucky, has been granted leave of absence in order to complete his graduate work for the doctorate. He is working on the ergot problem.

G. O. Ocfemia, formerly associated with Prof. O. Reinking in the University of the Philippines is continuing his graduate work at Wisconsin, working on rice disease.

V. O. Olivier of Transvaal, So. Africa, is doing graduate work and assisting Dr. J. Johnson in tobacco investigations.

A. J. Riker, graduate student, formerly instructor in Cincinnati University, is assisting Dr. Keitt on crown gall.

W. G. Stover, professor of botany, Ohio University, is here on leave of absence in order to complete his work for the doctorate. His research problem deals with corn root rot.

R. B. Streets, graduate student. Research problem, brown rot of plum.

N. T. Thompson, graduate student. Research problem, bunt of wheat.

R. W. Leukel has returned to continue his graduate work, which was interrupted in 1917 by military service, his special problem dealing with wheat nematode.

Dr. Charlotte Elliott spent two months here this summer doing further field work on her bacterial blight of oats.

Dr. W. H. Tisdale spent the fall here finishing up his rice disease problems, but he is leaving again in January to be in charge of the smut disease project, taking the position formerly held by Dr. Reed.

Mr. and Mrs. C. G. Welles (M. E., June 1920) sailed December 10 for the University of the Philippines where he will be associated with Prof. Reinking.

We hear quite frequently from Prof. Reinking. He expects to return to America, via Europe next June for a vacation and hopes to be able to continue his work for the Ph. D. degree here next fall.

A recent letter from Dr. R. D. Rands, Buitenzorg, Java, indicates that he is very busy and happy in his work there and that Mrs. Rands and their two babies are also happy and well. He, also, is looking forward to a possible return to America next year. When he last wrote, he expected to spend three to six months on the west coast of Sumatra studying diseases of cinnamon and other native crops.

D. Atanasoff has been spending this last year in Berlin, taking some work in the University there and doing research work in the laboratory of Dr. Otto Appel. He is planning to return to the United States within a short time.

E. E. Clayton is connected with the botany department at the University of Ohio and has charge especially of the extension work in plant pathology in the state.

R. W. Goss is associated with Dr. Peltier in plant pathological research and teaching at the College of Agriculture, University of Nebraska.

The departmental meetings, as Seminary and Journal Club, are largely attended. The Seminary group are studying the history of plant pathology with especial reference to work on bacterial pathogens and stressing the work of Pasteur and Erwin F. Smith.

On Friday afternoon, October 29, our memorial to Eugene Roark was unveiled in the Seminary Room. The ceremony was short and impressive, consisting of the unveiling and short addresses by Professor Jones, President Birge, and Dean Russell. The tablet is bronze and decorated only with the insignia of naval aviation and the inscription "In memory of Eugene Washburn Roark, 1894-1918, died in the service of his country. Erected by his friends". It is mounted on white marble and hangs between the windows of the Seminary Room.

The departmental social activities of the past year started off with a big picnic on Picnic Point in June. The married men lost to the single men by a narrow margin in a thrilling baseball game. The Horticulture department joined us, making about 65 people, but there was an abundance of broiled steak and ice cream for all.

A little later, Professor and Mrs. Jones moved into their new home, 146 Prospect Ave., near the Olin and Turneure homes with which some of you may be familiar. At any rate, it is one of the top notch houses on University Heights, a new brick house, with a big living room where the whole department can congregate for those evenings which we all so much enjoy spending with our chief and Mrs. Jones. This time we rushed in for a house-warming almost before they were settled, and again found an excuse in Professor Jones' birthday to invade their home on Sunday evening, December 5th. This event was

more dignified than the carnival of fun occasioned by an edition of the "Evening Pathogen" which was presented on a similar occasion last year. This publication contained literary gems both in verse and in prose, and its social news left no departmental gossip un-noised. It stirred Professor Jones up to such a pitch of frivolity that he made an address of note at the conclusion of which he made a stirring appeal to the young men of the department to cease loitering in the halls of ease afforded by the Bachelor Apartments and establish homes of their own where they might spend their leisure hours profitably in attending gardens and storm windows and such devices of civilization. Little thought he how seriously his advice would be taken, but one short year of concentrated effort has made many changes. Last spring and summer we were too busy getting married to find time for even a news letter. As a result of these activities we have the following announcements to make.

In June, E. E. Clayton married Hortencia Watkins and took her to his position as extension pathologist in Ohio. C. G. Welles married Doris Berger of Milwaukee. John Brann married Nina Blakefield of his home town, Bailey's Harbor. They are living at 1218 West Dayton.

In the fall a second epidemic broke out, and in August, John Charles Walker married Mrs. Edna D. Sherman of Dakota, who has just taken her master's degree in Home Economics here at Wisconsin, and ye chief editor became Mrs. R. C. Williamson. Mr. R. C. is an instructor in the physics department here. In September Ruth Tillotson married Norton Ames. They are living in Manitoba.

The most encouraging part of it all is that the epidemic is not yet controlled, and new signs of the disease are constantly appearing in individuals hitherto considered immune. However, since we must not gossip, we have but one "announced" engagement to report, that of W. H. Tisdale to Miss Elizabeth Koch of Madison. From without comes the announcement of the marriage of E. S. Schultz.

## DEPARTMENTAL NEWS LETTER V

DEPARTMENT OF PLANT PATHOLOGY, UNIVERSITY OF WISCONSIN

November 20, 1923

## A MESSAGE FROM PROFESSOR JONES

Alumni and Former Students  
 Dear friends:

We are indebted to Mr. and Mrs. Rubert B. Streets now for keeping the department "in running order". All of you know what that means since most of us (especially the writer) now as formerly, are perniciously busy most of the time in "mussing things up". At my request they have acted as Editors of this news letter, with the stipulation that I am to head it with a personal note.

I am very happy to have practically finished my scientific "missionary" relations with the National Research Council, which distracted much thought and time from home problems during two years. Whether this resulted in anything worth while to the Council work, I must leave for others to decide; but I am sure that it was good for the department which never gained strength more lustily than during my absence. The editors will show how varied are the relations and how they are keeping us in close and vital relations with the national development in phytopathology.

The most encouraging thing is, however, the constant broadening of the Wisconsin circle in other states and even in foreign lands. Copies of this letter will go to the literal "four corners" of our country--Maine, Florida, Southern California, and the State of Washington, and of course to Canada which in all phytopathological relations is one with us; they will reach various representatives in the Orient, in South Africa, and in tropical America as well as in a half dozen European centers. May we not hope that the practical significance of internationalism and the sympathetic correlation in world-wide viewpoint and effort in phytopathology is thus becoming the more fully assured.

It will not be necessary to tell most of you that, while trying to avoid undue narrowing of departmental interests, the relation of environment to disease, including both susceptibility and disease resistance, continue to receive major attention. For these studies we have now in operation not only the battery of "Wisconsin soil temperature tanks" but also a half dozen glassed-in compartments in our new greenhouses in which air temperature and moisture are under successful experimental regulation with adequate facilities for illumination as well. The installation of the refrigeration plant and other mechanical devices has cost much time (for which we are indebted to Doctors J. G. Dickson and James Johnson) and also considerable money, but the results are already justifying this. We may add, with a sigh of relief, that expansion in this direction has stopped now, and we should all be content I trust for some time to come with what we have. When in the midst of such development we need frequent reminders that it is scientific results not mechanical apparatus which count. And I would

add that I think there was never more good, worthwhile, result-producing work under way in the department than now.

We hope that this will find you all well and prospering in your own relations, will remind you of our continued common interests, and of the desire of the department both to merit your loyalty to Wisconsin and to continue to serve you and others as our abilities permit.

Sincerely yours,

L. R. JONES.

### " EDITORIAL "

Perhaps many of you are thinking that the News Letter promised in our letter of October 14 was a long time in arriving, but there have been many problems to meet. We had to start from the beginning as not even the mailing list of former years remained. The answers to the questionnaires poured in rapidly for a few days then slowed down to a mere trickle which has not yet entirely ceased. Some persons now in foreign countries were not sent the questionnaire as we did not wish to delay too long awaiting their replies.

The responses have been very satisfactory, and Professor Jones in particular has enjoyed the opportunity of getting in touch with all his former students. Some modest people submitted very short answers, but perhaps there really wasn't any news.

The task of making a more or less condensed and systematic summary of the material submitted has been greater than was anticipated, especially as it has been three years since a letter has been issued and there is a great accumulation of news. Our departmental directory already includes over one hundred names, without listing those who are now at Wisconsin working for higher degrees. The news items have been kept separate from the directory in order to make them more informal and to make the directory a separate unit complete in itself.

The task has on the whole been an enjoyable one, and the editors wish to join Professor Jones and the rest of the staff and department in wishing you a Happy and Prosperous New Year!

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Sincerely yours,

L. R. JONES.

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DIRECTORY OF ALUMNI AND OF FORMER STUDENTS  
WORKING IN PHYTOPATHOLOGY

(There are doubtless some errors in this list, whether of omission or commission. Corrections will be welcomed.)

- Abbott, Roy L., M.S. 1917, Dept. Zoology, Iowa State Teachers' College, Cedar Rapids, Iowa.
- Atanasoff, Dimitar, Ph.D. 1921, Plant Pathologist, Instituut voor Phytopathologie, Wageningen, Holland.
- Bailey, Floyd D., M.S. 1911, River Falls, Wis.
- Bartholomew, E. T., (Ph.D. Botany 1914), Asst. Prof. Plant Pathology, Citrus Exp. Sta., Riverside, Calif.
- Bensaude, Mathilde, 1921-1923, (Ph.D. Univ. of Paris), Ponta Delgada, S. Miguel, Azores.
- Binney, Morgan T., M.S. 1918, c/o Market Inspection Service, Penn. Railroad Co., Philadelphia, Pa.
- Bitterman, Ruth G., M.S. 1921, (Mrs. Leon K. Jones), Madison, Wis.
- Boyle, Conel, M.A. 1922, (Ph.D. Univ. of London), University College, Cork, Ireland.
- Bracher, Rose, M.S. 1921, Demonstrator in Botany, East London College, Mile End Road, E.I., London, England.
- Brann, John W., M.S. 1914, Asst. Prof. of Plant Path. and Hort., Univ. of Wis., Madison, Wis.
- Burr, Allen R., B.S. 1920, Waunakee, Wisconsin.
- Byars, Luther P., Ph.D. 1919, Marion, South Carolina.
- Carsner, Eubanks, Ph.D. 1916, Citrus Exp. Sta., Riverside, Cal.
- Clayton, Edward E., Ph.D. 1926, Asso. in Research, Long Island Vegetable Experiment Sta., Riverhead, New York.
- Coerper, Florence M., M.S. 1916, (Mrs. Pembroke Brown) Univ. of Illinois, Urbana, Ill. (Temporarily: c/o Alpha Xi Delta, Sterling Court, Madison, Wis.)
- Davis, Ray J., 1921-1923, Asso. Plant Pathologist, Virginia Truck Exp. Sta., Norfolk, Va.
- Davis, William H., Ph.D. 1922, Asst. Prof. of Botany, Mass. Agr. College, Amherst, Mass.
- Dickson, James G., Ph.D. 1921, Asso. Prof. of Plant Pathology, Univ. of Wisconsin, Madison, Wis.
- Doolittle, Sears P., Ph.D. 1918, Pathologist, Cotton and Truck Investigations, U.S.D.A. Madison, Wis.

- Drechsler, Charles, M.S. 1914, Asst. Pathologist, Cotton and Truck Inves., U.S.D.A., Washington, D. C.
- Edsen, Howard A., Ph.D. 1914, Pathologist, Cotton and Truck Inves., U.S.D.A., Washington, D. C.
- Elliot, Charlotte, Ph.D. 1918, Scientific Asst., Lab. of Plant Pathology, U.S.D.A., Washington, D. C.
- Evans, Nevada S., 1920-1922, (Mrs. David Schmidt), Madison, Wis.
- Evans, Wm. G., M.S. 1923, Dept. of Botany, Ontario College of Agriculture, Guelph, Canada.
- Fellows, Hurley, Ph.D. 1923, Asst. Pathologist, Office Cereal Investigations, U.S.D.A., Madison, Wis.
- Poster, Arthur C., M.S. 1920, Asst. Pathologist, Cotton and Truck Investigations, U.S.D.A., Sanford, Fla.
- Frey, Charles N., (Ph.D. Botany 1921) Ward Baking Co., 103 W. 183rd St., New York, N. Y.
- Gardner, Max W., Ph.D. 1918, Asso. Botanist, Purdue Univ., Lafayette, Ind.
- Giddings, N. J., Ph.D. 1919, Prof. of Plant Pathology, Univ. of West Virginia, Morgantown, W. Va.
- Gilbert, Alfred H., M.S. 1913, Asst. Prof. Botany, and Asso Pathologist, Univ. of Vermont., 238 College St., Burlington, Vermont.
- Gilbert, Edward M., (Ph.D. Botany 1914), Prof. Botany and Plant Pathology, Univ. of Wisconsin, Madison, Wis.
- Gilman, Joseph C., M.S. 1914, Asst. Prof. of Plant Pathology, Iowa State College, Box 84, Station A, Ames, Iowa.
- Godfrey, George H., Ph.D. 1924; Pathologist, Cotton and Truck Inves., U.S.D.A., 2371 Champlain St., Washington, D. C.
- Godkin, James P., 1920-1922, Extension Plant Pathologist, Virginia Agr. College, Blacksburg, Va.
- Goss, Robert W., Ph.D. 1923, Asst. Prof. Plant Pathology, Univ. of Nebraska, and Asst. Plant Pathologist, Nebr. Agr. Exp. Sta., Lincoln, Nebr.
- Gray, John, M. S. 1920, Gainesville, Florida.
- Hartmann, Russell E., M.S. 1916, Plant Pathologist, Penn. State Dept. Agr., City Hall, Hazleton, Pa.
- Haymaker, H. H., M.S. 1917, Asso. Prof. Botany and Plant Path., Kansas Agr. College, Manhattan, Kansas.

- Hemmi, Takeo, 1921-1922, (Ph.D. ) Prof. of Plant Path.,  
Phytopathological Institute, College of Agriculture, Kyoto  
Imperial University, Kyoto, Japan.
- Henderson, Martin P., Ph.D. 1914, Prof. of Biology, and Dean of  
College of Arts and Sciences, Brigham Young Univ., Salt  
Lake City, Utah. Died November, 1923.
- Hubert, Ernest E., Ph.D. 1923, Asst. Pathologist, Forest Products  
Laboratory, U.S.D.A., Madison, Wis.
- Humphrey, C. J., Ph.D. 1922, Pathologist, Forest Products Laboratory,  
U.S.D.A., Madison, Wis.
- Hungerford, C. W., M.S. 1917, Prof. Plant Path., Univ. of Idaho,  
and Plant Pathologist, Idaho Agr. Exp. Sta., 514 East "C"  
St., Moscow, Idaho.
- Jagger, Ivan C., M.S. 1913, Pathologist, Cotton and Truck Investi-  
gations, U.S.D.A., San Diego, Calif.
- Johnson, A. G., Ph.D. 1914, Pathologist, Office of Cereal Investi-  
gations, U.S.D.A., 3408 Rodman St., Wash., D. C.
- Johnson, James, Ph.D. 1918, Asso. Prof. of Hort. and Plant Path.,  
Univ. of Wisconsin, Madison, Wis.
- Jones, Fred R., Ph.D. 1917, Pathologist, Cotton and Truck Investiga-  
tions, U.S.D.A., Madison, Wis.
- Jones, Leon K., Ph.D. 1922, Asst. Prof. of Plant Pathology, Univ.  
of Wisconsin, Madison, Wis.
- Jørstad, Ivar, M.S. 1920, Botanical Museum, Kristiana Univ.,  
Kristiana, Norway.
- Kempton, F. E., (M.S. Botany 1913) Pathologist in Charge of Bar-  
berry Eradication, U.S.D.A., Washington, D. C.
- Keitt, George W., Ph.D. 1914, Prof. of Plant Pathology, Univ. of  
Wisconsin, Madison, Wis.
- Kuntz, William, M.S. 1923, Botany Dept., Penn. State College,  
State College, Pa.
- Leukel, Robt. W., M.S. 1922, Asst. Pathologist, Cereal Investiga-  
tions, U.S.D.A., Washington, D. C.
- Lindgren, C. C., M.S. 1923, Inspector, U.S. Bureau of Markets,  
U.S.D.A., Chicago, Illinois.
- Matman, B. F., (Ph.D. Botany 1910), Prof. Plant Pathology, Univ.  
of Vermont, Burlington, Vermont.
- MacMillan, H. G., Ph.D. 1919, Pathologist, Cotton and Truck Inves-  
tigations, U.S.D.A., Box 747, Greeley, Colo.

- McClintock, James A., M.S. 1914, Asso. Plant Pathologist, Tenn.  
Agr. Exp. Sta., Knoxville, Tenn.
- McFarland, Frank T., Ph.D. 1921, Prof. of Botany, Univ. of Kentucky,  
Lexington Ky.
- McKay, Marion B., MS. 1915, Asso. Plant Pathologist, Oregon Agr.  
Exp. Sta., 107 N. 31st St., Corvallis, Oregon.
- McKinney, Harold H., M.S. 1920, Asst. Pathologist, Cereal Investiga-  
tions, U.S.D.A., Madison, Wis.
- Melhus, Irving E., Ph.D. 1913, Prof. Plant Path., Iowa State College  
and Plant Pathologist, Iowa Agr. Exp. Station, Ames, Iowa.
- Miller, Maude, (M.S. Botany 1918) (Mrs. Robert Williamson),  
Madison, Wis.
- Monteith, John, M.S. 1917, Asst. Pathologist, Cotton and Truck  
Investigations, U.S.D.A., Madison, Wis.
- Moore, Emmeline, 1919-1920,  
% Conservation Commission, Schylerville, N. Y.
- Morris, H. E., (M.S. Botany 1917) Asst. Botanist and Bacteriologist,  
Mont. Agr. Exp. Sta., Bozeman, Montana.
- Morse, W. J., Ph.D. 1912, Director, Maine Agr. Exp. Sta., 365  
College Road, Orono, Maine.
- Nakata, K., 1919-1920, (Ph.D) Asst. Prof. of Plant Path., Univ.  
of Kuishi, Japan.
- Ninman, H. N., M.S. 1918, Plant Pathologist, Wisconsin Dept. Agric.,  
State Capitol, Madison, Wis.
- Ocfemia, Gerardo O., Ph.D. 1923, Instr. in Plant Pathology,  
Univ. of Philippines, Los Banos, Laguna, P. I.
- Oliver, Victor F., 1900-1921,  
Transvaal, South Africa.
- Rands, Robt. D., Ph.D. 1917, Pathologist, Rubber Production  
Inves., U.S.D.A., Washington, D. C.
- Rawlins, Thomas E., M.S. 1923, Research Asst., Dept. of Plant Path.,  
Univ. of California, Berkeley, California.
- Reddy, Charles S., Ph.D. 1923, Pathologist, Cereal Investigations,  
U.S.D.A., 209 Eddy Bldg., Bloomington, Illinois.
- Reinking, Otto A., Ph.D. 1925, Plant Pathologist, United Fruit Co.,  
% Tela Railroad Co., Tela, Honduras.
- Richards, B. L., Ph.D. 1920, Asso. Prof. of Botany, Utah Agr.  
College, and Plant Pathologist, Utah Agr. Exp. Sta.,  
Logan, Utah.

- Richards, C. Audrey, (Ph.D. Botany 1922), Scientific Assistant, Forest Products Laboratory, U.S.D.A., Madison, Wis.
- Riker, A. Joyce, Ph.D. 1922, National Research Council Fellow, Univ. of Wisconsin, Madison, Wis.
- Roark, Eugene W., Ph.D. 1918, Died in Military Service, 1918.
- Rose, Jessie P., 1921-1923, Dept. Plant Physiology, Univ. of Minnesota, Univ. Farm, St. Paul, Minn.
- Sands, David R., M.S. 1922, Lecturer in Botany, Ontario Agr. College, Guelph, Ontario, Canada.
- Schultz, Eugene S., M.S. 1915, Pathologist, Cotton and Truck Investigations, U.S.D.A., Washington, D. C.
- Jeymour, Edith K., M.S. 1920, (Mrs. Fred R. Jones), Madison, Wisconsin.
- Sherwood, Everett C., M.S. 1920, Asst. and Extension Plant Pathologist, West Virginia Agr. Exp. Sta., Morgantown, W. Va.
- Slagg, C. M., M.S. 1921, Research Director and Sec., Conn. Valley Improvement Assn., and Pathologist in Charge, Conn. Tobacco Substation, Windsor, Conn.
- Snell, Walter H., Ph.D. 1920, Asst. Prof. of Botany, Brown Univ., Providence, R. I.
- Stokdyk, Ellis A., B.S. 1920, Asso. Prof. Plant Pathology, (Extension Staff) Kansas Agr. College, Manhattan, Kans.
- Stover, Wm. G., Ph.D. 1921, Prof. of Botany, Univ. of Ohio, 265 E. Northwood Ave., Columbus, Ohio.
- Strang, Anna H., M.S. 1916, (Mrs. James Phinney Baxter, 3rd), 15 Kilbourn Road, Belmont, Mass.
- Teodoro, N. G., Ph.D. 1923, Bureau of Agriculture, Manila, Philippine Islands.
- Tillotson, Ruth, 1919-1920, (Mrs. Norton Ames), Oregon, Wis.
- Thompson, Noel F., 1920-1922, Asst. Pathologist, Barberrry Eradication, U.S.D.A., Madison, Wis.
- Tisdale, W. Burley, Ph.D. 1920, Asso. Plant Pathologist, and Director, Tobacco Exp. Sta., Quincy, Fla.
- Tisdale, Wendell H., Ph.D. 1917, Pathologist, Cereal Investigations, U.S.D.A., Washington, D. C.
- Toole, Eben H., (Ph.D. Botany 1921) Asst. Pathologist, Seed Testing Laboratories, U.S.D.A., Washington, D. C.
- Vaughan, Richard E., M.S. 1912, Asso. Prof. Plant Pathology, Univ. of Wisconsin, Madison, Wisconsin.

- Walker, J. C., Ph.D. 1918, Pathologist, Cotton and Truck Investigations, U.S.D.A., Madison, Wis.
- Weber, George F., Ph.D. 1922, Asso. Plant Pathologist, Fla. Agr. Exp. Sta., 807 N. Virginia St. Gainesville, Florida.
- Welles, Colin G., Ph.D. 1923, (Temporarily in Milwaukee, Wis.)
- Wilcox, R. B., M.S. 1913, Scientific Asst., Fruit Disease Investigations, U.S.D.A., Bay Village, Ohio.
- Willis, Mina A., M.S. 1914, Asst. State Leader Home Demonstration Agents, Alabama Polytechnic, Auburn, Ala.
- Winston, J. R., 1915-1916, Pathologist, Fruit Disease Investigations U.S.D.A., Washington, D. C.

GEOGRAPHICAL ROSTER

Europe

Atanasoff - Holland  
 Bensaude - Portugal  
 Boyle - Ireland  
 Bracher - England  
 Jorstad - Norway

Asia

Hemmi - Japan  
 Nakata - Japan

Miscellaneous

Ocfemia - P. I.  
 Teodoro - P. I.  
 Oliver - S. Africa  
 Reinking - Honduras

Canada

Sands - Ontario  
 Evans - Ontario

Northeastern U. S.

Binney - Pa.  
 Berg - W. Va.  
 Clayton - N. Y.  
 Davis, W.H. - Mass.  
 Frey - N. Y.  
 Giddings, - W. Va.  
 Gilbert, A.H. - Vt.  
 Hartmann - Pa.  
 Kuntz - Pa.  
 Lutman - Vt.  
 Morse - Me.  
 Sherwood - W. Va.  
 Slaeg - Conn.  
 Snell - R. I.  
 Strang - Mass.

Southern U. S.

Byars - S. Car.  
 Davis, R. - Va.  
 Foster - Fla.  
 Godkin - Va.  
 Gray - Fla.  
 McClintock - Tenn.  
 Tisdale, W.B. - Fla.  
 Weber - Fla.  
 Willis - Ala.

Western U. S.

Bertholomew - Cal.  
 Carsner - Cal.  
 Henderson - Utah.  
 Hungerford - Idaho  
 Jagger - Cal.  
 MacMillan - Colo.  
 McKay - Ore.  
 Morris - Mont.  
 Rawlins - Cal.  
 Richards - Utah

Wisconsin

Bailey  
 Bitterman (Mrs. L. Jones)  
 Burr  
 Evans (Mrs. D. Schmidt)  
 Miller (Mrs. Williamson)  
 Ninman  
 Seymour (Mrs. F. Jones)  
 Tillotson (Mrs. N. Ames)  
 Thompson

Central U. S.

Abbott - Ia.  
 Coerper (Mrs. Brown) Ill.  
 Gardner (Ind.)  
 Gilman - Va.  
 Goss - Nebr.  
 Haymaker - Kas.  
 Indegren - Ill.  
 McFarland - Ky.  
 Melhus - Ia.  
 Reddy - Ill.  
 Rose - Minn.  
 Stokdyk - Kas.  
 Stover - Ohio  
 Welles - Wis.  
 Wilcox - Ohio

Washington, D. C.

Drechsler  
 Edson  
 Elliot  
 Godfrey  
 Johnson, A. G.  
 Kempton  
 Leukel  
 Rands  
 Schultz  
 Tisdale, W. H.  
 Toole  
 Winston

THE CHARGE OF THE BLIGHT BRIGADE

There's mold on the delphiniums,  
 Chrysanthemums and phlox,  
 White aphid at the aster roots,  
 Green aphid on the dahlia shoots,  
 There's bug and blight  
 To left and right  
 On ainnias and stocks!  
 No matter how I dust and spray  
 In every kind of modern way,  
 With Paris green and nicotine  
 And sulphur, lime and kerosene,  
 The wretched crew  
 That suck and chew  
 Attack my flowers in flocks.

Some say the rains brought this about,  
 And others blame it on the drought.

The weevil has attacked the beans,  
 The beetle's at the beets,  
 The wilt's on the tomato vine,  
 The corn has smut. All down the line  
 Potato bugs  
 And slimy slugs  
 Pull gustatory feets!  
 Although I make my crops rotate,  
 And in my spraying alternate  
 From fungicide, insecticide,  
 To dope, soft soap and germicide,  
 The loathsome lot  
 That blight and blot  
 Are ruining my eats.

Some say my land is sour or poor,  
 And some, I've used too much manure!

The leaf spot's on the cherry trees,  
 The psylla's on the pear,  
 San Jose scale is on the peach,  
 And caterpillars out of reach  
 Do multiply,  
 While mite and fly  
 And gnats prevaile the air,  
 Although the trees are trimmed, and fed  
 With showers of arsenate of lead,  
 And every day in every way  
 I try a different sort of spray,  
 The blighting pest  
 That knows no rest  
 Has left them sick and bare!

Some say they're in the borer's clutch,  
 And some, I've limed and sprayed too much!

## NEWS NOTES FROM FOREIGN COUNTRIES

Our department is now represented by thirteen former students scattered in various foreign countries:

D. ATANASOFF has just written us of a change in his plans to return to the United States. In spite of the present financial crisis in Europe the Dutch government has given him a permanent appointment as Plant Pathologist at Wageningen with an increase in salary. Atanasoff has written for the large collection of scientific books and literature which he had stored here. He is engaged in research on the probable cause of some mosaic diseases. Atanasoff became engaged to Miss B. Groeneveld of Bennehom, Holland last June and expects to be married in April or May.

MISS MATHILDE BENSAUDE left United States last spring returning to France through England. She attended the International Phytopathological Conference in Holland in July, and spent some time in Paris. Recently she has returned via Portugal to the Azores where her father has an estate. Miss Bensaude writes that life is very quiet in the Azores and that she misses the associations at Wisconsin. In a letter dated about December 1 she says that the Islands are a garden of flowers and singing birds.

We have heard very little from DR. CONYL BOYLE since his return to Ireland to accept the Chair of Agriculture at the University College in Cork. He sacrificed an attractive research opportunity at the Thompson Institute, Yonkers, N. Y., in order to serve Ireland in her time of need. The conditions there have not been conducive to scientific work, but Dr. Boyle writes that they are improving and that he is now finding satisfaction in his new position.

MISS ROSE BRACHER is teaching botany and mycology in the East London College of the University of London. She writes that "the election is causing much excitement" but this seems not seriously to distract her from her scientific work since she expects to complete and publish her work on Rhytisma during the coming year.

JORSTAD is carrying large responsibilities as the official leader in mycology and plant pathology for Norway.

DR. HEMMI of Kyoto University spent several months with us during the winter of 1921-22. After working with Professor Livingston at Johns Hopkins he went abroad for further travel and study. After some time spent in England and on the Continent, including participation in June in the Holland International Phytopathological Conference, he sailed in October for Japan. His return was not without misgivings since he was still without assurance as to the fate of many friends and some relatives in the earthquake zone. A note of November 26 is just at hand from Singapore indicating that he would reach home in December.

DR. NAKATA has sent us greetings from Kuishi, Japan in the letters of introduction presented from time to time by his friends and students who were traveling in the United States.

G. O. OCFEMIA received his degree in June and left the United States on August 18 returning to the Philippines via Hawaii and Japan, narrowly missing the earthquake. He is an instructor in Plant Pathology in the Agricultural College at Los Baños. He writes, "The most important thing I have accomplished since my arrival is marriage. I had most of the boys at Wisconsin believing that I was married, but that was not the case. However, I am now."

N. G. TEODORA after completing his course work at Wisconsin spent some months in Washington, D. C. studying regulatory and administrative work. He then returned to the Philippines and is connected with the Philippine Bureau of Agriculture at Manila, in the division of Extermination of Agricultural Pests.

V. F. OLIVIER who studied tobacco diseases and culture under Dr. Jas. Johnson in 1920-21 has not been heard from directly since he returned to his home in South Africa. An unconfirmed rumor states that he has been in Palestine and has returned to the United States.

OTTO REINKING went to Tela, Honduras soon after completing his graduate studies in 1922. He is Plant Pathologist for the United Fruit Company and is working on banana diseases, principally Fusarium troubles.

D. R. SANDS is teaching during the college year and doing field work in plant pathology during the summer at the Ontario Agricultural College at Guelph. Sands met a number of Wisconsin people during the field trips of the Phytopathological Association in July.

W. G. EVANS writes that he has spent a very busy summer since returning to Guelph, Ontario where he is engaged in teaching and field work in plant pathology.

#### NEWS NOTES FROM THE NORTHEASTERN UNITED STATES

WARNER J. MORSE as director of the Maine Agricultural Experiment Station now finds little time for research. He received an honorary Sc. D. from Vermont last June. Dr. Morse has changed his residence to 365 College Road, first house north of U. Campus and would be glad to see his Wisconsin friends, of whom he has seen none since the Boston meetings.

A. H. GILBERT is continuing his work on potato diseases at Vermont, giving special attention to various tuber troubles.

C. M. SLAGG sends us a fine newsy letter from Windsor, Connecticut where he is Research Director and Secretary of the Conn. Valley Tobacco Improvement Assn., and Pathologist in Charge of the Conn. Tobacco Substation. [Slagg admits he has to look up his titles every time he has to use them--Ed.] He says, "My work includes research on tobacco diseases and improvement in methods of growing

and handling tobacco crop. - - I am very busy at present building and equipping a main office and laboratory and warehouse building at the substation farm. - - During the past summer we made several trips to the shore, one over the Mohawk trail, another over the Jacobs Ladder trail, both crossing the Berkshire Hills. Early in August five of us, Mr. and Mrs. W. H. Davis, Mr. and Mrs. Slagg, and Lois K. Stewart, who is at present Assistant Professor of Dietetics at Toronto University, gathered at Mt. Tom for a picnic dinner - The same party that climbed the bluffs at Devils Lake, 1921, except Nets T. Nelson who was absent. We have a Ford Sedan and I understand Tims has a Red Oakland."

W. H. DAVIS writes that he has charge of graduate students in plant pathology and teaches Juniors and Seniors mycology. "In research, my chief interest is in the smuts. Infection and the formation of the chlamydo-spores of U. striaeformis will receive my attention this year." Godkin, Slagg, J. Johnson, and Leon Cole visited M. A. C. during the year. "I like M. A. C. very much. We have the only Simon pure Ag. College in the country - no mechanic arts, etc. We have about 450 Ag. students and 200 others (Short course, 2 years, and specials). Not all of these numbered above are "students", many of them are trying to see how much they can cut. None of our graduate students work as we worked at Wisconsin. Sometimes I think this is due to the influence of a prominent arts college nearby - too much silk glove work and not enough real labor. I have come to think very highly of the influence of Professor Jones and of the excellence of the course in methods in plant pathology, both the laboratory and the course in thesis writing if I may call it that presented by Dr. Keitt. - - My latest adventure is in training the military band and the college orchestra. I have accepted an invitation to play first clarinet in a symphony orchestra, which keeps me in touch with the outside world, allows me to blow off steam, and to keep happy."

WALTER H. SNELL is head of the botany department and is teaching general botany courses, a course in wood and trees, and plant pathology. He writes, "I keep some research work going, by myself or with students. I always do some research on white-pine blister rust summers; otherwise I am interested in decay of timbers, wood destroying fungi, etc. At present I am dealing largely with the relation of moisture contents of woody plants or wood in relation to disease and decay. I am also assistant coach of football, and coach of basketball and baseball (varsity teams). Outside of this I have nothing to do. We have three boys, one born since I left Madison, no new house or car, the same old ones, and the same wife."

E. E. CLAYTON who was at the University of Ohio immediately after completing his graduate studies is now located at Riverhead, Long Island, at the New York Truck Experiment Station, giving his major attention to cauliflower diseases.

C. N. FREY is in the employ of the Ward Baking Co. of New York working on problems concerning baking yeasts and the vitamin content of bread.

E. C. SHERWOOD is now at the University of West Virginia, Morgantown, doing extension work in plant pathology and entomology, and assisting in experiment station work. He attended the Boston and Cincinnati meetings.

N. J. GIDDINGS writes, "My name, position, title, and address are still unchanged. I was relieved of the position of Acting Dean [of the Experiment Station] last February and was glad indeed to get back into the laboratory again. I am working upon the apple rust and cucumber mildew primarily. During the past year we have grown the apple rust fungus on tissue in culture dishes for as long as four months. I am teaching two courses, economic plant pathology, and experimental plant pathology."

#### NEWS NOTES FROM WASHINGTON, D. C.

A. G. JOHNSON, who for some years held joint relations as Cereal Pathologist with the University of Wisconsin and the Washington office with headquarters at Madison, was obliged last year because of the increasing responsibilities of the national problems to transfer headquarters to Washington resigning the University relations. He is in charge of the investigations in cereal diseases caused by the Ascomycetes and Imperfect Fungi. His home address in Washington is 3408 Rodman St., N. W. Last July the Johnson family enjoyed a 3500 mile auto trip from Washington through Indiana, Illinois, Wisconsin, and S. Dakota and return in their new Oakland.

R. D. RANDES after three years of plant pathological work under Van Hall in the Dutch East Indies returned to take charge of bean disease investigations in the U. S. D. A. Last June, because of his experience, he was temporarily transferred to the U. S. Department of Agriculture's new project in "Rubber production investigations" as Pathologist. "The past summer was spent in Central and South American countries, most of June in the Canal Zone locating suitable sites for experimental work on rubber with Mr. O. F. Cook and party. July to September we visited the coastal region of Columbia, Venezuela and the Guianas spending most of our time in Trinidad and British Guiana where in addition to making a preliminary study of the South American Leaf Disease of Hevea rubber, we made a large collection of different rubber plants and brought them to the Canal Zone for the experimental work on selection and bud-grafting. Returned to Washington via Haiti, September 14th. At present I am working part time on rubber while continuing my former project with Dr. W. Brotherton breeding disease resistant beans."

W. H. TISDALE, Pathologist in Charge of Cereal Smut Investigations, Washington, D. C., writes that he has seen Wisconsin people too numerous to name - - "They all visit Washington sooner or later" - - and adds that he is finding lots of smutty problems to deal with.

GEORGE H. GODFREY now lives at 2371 Champlain St., Washington, D. C., where he says he "will be glad to see anybody any time". Godfrey is engaged in research on nematode diseases of cotton, truck, forage, and ornamental crops, and sends the editors copies of his recent paper on the alfalfa nematode (Dept. Circ. 297). Personal items: "Margaret Elizabeth Godfrey, 10 lbs., Sept. 29, 1923, fat and husky, and a great joy to her parents." Godfrey sees many Washington People, and Weber, Foster, Byars, and Godkin.

R. W. LEUKEL still belongs to the Cereal Investigations crew as Assistant Pathologist, and is engaged in research on the nematode disease of cereals, seed treatment work, effect of soil temperatures and moisture on the development of various cereal diseases. "Was married on August 29 to Marie Lottes of Madison and sidestepped a few pecks of oriental breakfast food."

#### NEWS NOTES FROM SOUTHEASTERN UNITED STATES

RAY J. DAVIS who left us last June to become Associate Pathologist of the Virginia Truck Experiment Station at Norfolk sends his greetings and says that everything is going well with Mrs. Davis and himself. He is doing research and some extension work. Ray finds that field work in Virginia is a twelve month's job, but he managed to get away for the Cincinnati meetings.

JAMES GODKIN has transferred from Pennsylvania to Virginia where he is Extension Plant Pathologist at Blacksburg. He writes that he has been doing some extension work for the past nine months, but hopes to do some research soon. "Interested in several problems, --but bacterial" seem to call loudest." Jimmy says that he has seen several members of the Cereal Office, and that life is uneventful except that he has joined a golf club, which he says may necessitate buying a car.

LUTHER P. BYARS is now "owner and manager of a dealership in Lincolns, Fords, and Dordsons" at Marion, S. C. He adds, "I keep in touch with the extension phases of state and federal work by co-operating with our County Agent, but have unfortunately little time for more, except observational studies. Married Lurline Margaret Patton of Jackson, Mississippi on July 9, 1922, whom I first met ten days previously at a wedding. Some speed! I have a Curtiss bi-plane and during the past year have become an aerial enthusiast."

GEORGE F. WEBER is doing research and some extension work at Gainesville, Florida. George writes that he has a bulletin on potato diseases due soon, and is working on the control of Nail Head rust of tomatoes and Downy mildew of cucumbers. O. C. Bryan (Ph.D. '22, Soils, Wis.) is now in the Soils Department in Florida. "Four former Wisconsin pathologists are at present hunting vermin in this peninsula, and during the past year five other pathologists have been added to the staff, three of them Ph.D.'ers. There's more fungi down here in ten minutes than there is in Wisconsin in a week. Oranges and grapefruit just getting ripe now--get them soon on the street from trucks at one cent per."

W. B. TISDALE sends us two excellent photographs of the new Tobacco Experiment Station at Quincy, Florida. He is on the staff of the University of Florida in charge of the field station and doing full time research on tobacco diseases, especially "black shank" and wildfire, endeavoring to develop a strain of cigar wrapper tobacco resistant to black shank. The results this year were encouraging. He is also conducting fertilizer experiments with cigar wrapper tobacco. Adds that he has just moved into a new house, built in 1850. Burley does not say whether he has learned to smoke.

ARTHUR C. FOSTER is stationed at Sanford, Florida doing research on celery and lettuce blackheart, and other diseases of these crops. Writes that he sees George Weber and John Gray. The Fosters have a new Overland car and a daughter, Dorothy Hart Foster, born November 9, 1922.

J. A. McCLINTOCK, formerly at the Virginia Truck Station and Georgia Experiment Station is now Associate Plant Pathologist at the Tennessee Experiment Station. He read a paper before the Phytopathological section at the Cincinnati meetings.

#### NEWS NOTES FROM CENTRAL UNITED STATES

MAX W. GARDNER seems to be a very busy man. He is devoting his time to research on fruit and vegetable diseases, apple blotch, bitter rot, peach bacterial spot, potato leaf roll, cowpea bacterial spot, and soybean mosaic. "I am interested in orchard diseases, raspberry diseases, bacterial diseases, and mosaic, particularly weevil carriers. - - Married September 6, 1922 to Margaret Briggs, La Porte, Indiana. Buying a home at 312 Sylvia St. One-fifth owner of a 70-acre apple orchard near Paoli, Indiana, hence a personal interest in apple diseases. - - Have agreed to help Dr. J. K. K. Link prepare an illustrated handbook of vegetable diseases from the market standpoint. - - P.S. Wisconsin ranks very highly as a graduate school among the younger staff faculty men here. Many have recently started their graduate work up there and all are enthusiastic about Wisconsin."

FRANK T. MacFARLAND, Head of Department of Botany, Univ. of Kentucky, Lexington, writes that he spends two-thirds of his time teaching and the rest working on Claviceps and a monographic study of the Mucorales. "I have 240 cultures representing about 110 species -- collections from all parts of the world. - - Wm. Taylor, Dean of the College of Education here, had some work under Dr. Jones some years ago. - - Spent the last of August and one-half of September collecting fungi and flowering plants in western Kentucky. Discovered an undescribed Helianthus; also added about 140 "new plants" not heretofore reported for the state."

An announcement has just been received of the arrival of Mary Frances at the home of Mr. and Mrs. Max W. Gardner, December, 29, 1923.

JOSEPH C. GILMAN is teaching plant pathology and mycology at Iowa State College, and is working on Dry rot of potato, Iowa fungi, and potato seed treatment, particularly hot formaldehyde. "J. C. Walker left his raincoat in my office last summer and almost missed his train."

H. H. HAYMAKER writes from Kansas Agricultural College, "All of my time is devoted to teaching. I have classes in Plant Pathology I, and Diseases of Fruit Crops and Botany I. Mrs. H. and I breeze over the prairies with our Jack, age 4 1/2, and Jane, age 2 1/2, in our flivver, age 10 1/2."

W. G. STOVER is in charge of plant pathology and mycology at Ohio State. His work is mostly teaching; two courses in plant pathology and one in mycology this semester; and one each next semester. Stover worked on apple scab and blotch last summer, and bunt of wheat and germination of smut spores this fall. The Stovers are living at 265 E. Northwood Ave., Columbus, Ohio.

#### NEWS NOTES FROM WESTERN UNITED STATES

CHARLES W. HUNGERFORD tells us that he has taken over the teaching work in plant pathology this year, and adds, "We have at present five graduate students in the department, two of whom I hope may be able to come to Madison next year. My work is still mainly experimental, with teaching and some extension work thrown in for good measure."

RICHARDS is dividing his time between research and teaching at Logan, Utah. He has been working on Rhizoctonia and Sugar beet diseases, and adds, "have been forced into the degeneration troubles of potatoes and may become concerned seriously with the Fusarium wilt of tomatoes. The birth of Ralph G. Richards gives us a total of three huskies in the family. We live in our own house and drive our own auto."

MRS. VERUS POOL MCKAY writes for the McKay family from Corvallis, Oregon, "The research work grows better year by year. More things are found out, better support and a more hearty co-operation between all concerned is given. The Verticillium wilt problem is being closed up and a final manuscript covering five years' rotation and field tests, etc. is under way. The future problem is mainly "virus troubles of the potato". As side lines there are the usual letters, conferences, and outside calls to "come over and tell us what ails the potatoes", lectures now and then, and with it all a great pleasure in doing it. -- We have seen Godfrey and L. K. Jones this year. A new home and a new baby have been our main interests. They are both slightly over a year old now, but better than when we first saw them. We are very much interested in developing out spacious home grounds--plenty of room for the youngsters.

H. ELWOOD MORRIS is still devoting all his time to research at the Montana Experiment Station. He has been working on sunflower wilt and poplar canker, and is starting some new work on root diseases of wheat, and dust treatment for cereal diseases. "We have finally moved into our new quarters, 'Lewis Hall', and like them very much. Professor F. B. Swingle, head of the botany department, recently remarked that the old biology building 'was richer in sentiment than in convenience'." Swingle, by the way, took his graduate work at Wisconsin with Dr. Harper when the biology courses were taught in Science Hall. Professor Swingle is just recovering from an illness of about four months' duration.

HOMER G. MacMILLAN, who is a Pathologist in the Cotton and Truck Office, is stationed at Greeley, Colorado working on potato diseases.

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DR. M. P. HENDERSON died in Provo, Utah last November. This is the second break in our alumni circle, the first coming with the death in military service of Dr. Eugene W. Roark in 1918. The older alumni will recall Mr. and Mrs. Henderson as members of our Wisconsin circle for some three years. He took his M. A. in botany in 1912 and his Ph.D. in plant pathology in 1914.

From Wisconsin he went as plant pathologist to the Rough River valley station, Oregon, whence he was next year called to the head of the department of biology of Brigham Young University, Provo, Utah. After proving himself a teacher of exceptional ability and building up a very strong department, he was two years ago elected to still heavier responsibilities as Dean of the College of Arts and Sciences of his university.

Those who knew him at Wisconsin will recall him as a most earnest and thorough workman and an able investigator. These qualities he also impressed upon his students, some of whom have since returned to Wisconsin in their turn for graduate work. In Dr. Henderson's death we have lost a loyal, wise friend, an able scientist, and a devoted teacher.

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T. E. RAWLINS who was working last year with Dr. James Johnson on tobacco mosaic returned to the University of California, Berkeley, to accept a position dealing primarily with research on vegetable diseases.

DR. IVAN C. JAGGER is engaged in research on truck crop diseases near San Diego, California, for the Bureau of Plant Industry, U.S.D.A. The Jaggers have a son, Donald Conrad, born October 29, 1922.

E. T. BARTHOLOMEW whom we knew at Wisconsin as a physiologist is busy with researches in the field of physiological pathology at the Citrus Experiment Station, Riverside, California. He has the following problems under way: (1) Internal decline of lemons (physiological); (2) Alternaria rot of lemons; (3) Withdrawal of water from the fruits by the leaves; and (4) Climatic and soil factors affecting leaf-fall in Citrus. The Bartholomew's have seen a number of Wisconsin people including Dr. G. M. Smith, Glen Paxton, H. G. MacMillan, and Ella Martin. W. W. Robbins is building a fine home in Davis, California. Eubanks Carsner bought a new home in Riverside during the past summer. J. P. Bennett became engaged to "Miss Chevrolet" about two years ago.

MRS. BARTHOLOMEW (LUCILLE KEENE) is becoming famous as a speaker before Rotary and Kiwanis Clubs, Chambers of Commerce, and similar organizations. Her young daughter Martha also seems to be acquiring the habit. Her latest effort was made while a preacher was delivering a rather long-winded prayer. The text of the prayer not interesting her she stood up on the seat and calmly and forcefully remarked, "Man, say Amen!"

#### NEWS NOTES FROM WISCONSIN ALUMNI

ALLAN R. BURR is interested in a pea canning factory at Waunakee, Wisconsin. Burr attended the Canner's School held in Madison in December.

NEVADA EVANS was married in August to David Schmidt. Dr. Schmidt was recently awarded a National Research Council Fellowship supported by the Seeds Trade Association on the Hard Seed Problem. Schmidt received his Ph.D. in plant physiology at the University of New Jersey and elected to come to Wisconsin for the fellowship work. Mr. and Mrs. Schmidt arrived before the holidays and will reside here during the coming year.

Mrs. R. C. Williamson (MAUDE MILLER) now has two children, Ann, age two years, and Robert-Marshall, age nine months. The Williamsons have a home at 2237 Hollister Street. Dr. Williamson is Assistant Professor of Physics at the University.

Mrs. Brown (FLORENCE COERPER) has been in Madison this fall in charge of the construction of the new Alpha Xi Delta sorority house. She met a number of the new members of the department at Professor Jones' birthday party this year.

#### DEPARTMENTAL NOTES

THE NEW PATHOLOGICUM. Ground was broken a year ago last fall for the basement of the new pathologicum, and the cement completed to the main floor level. The work was resumed in the spring and progressed intermittently during the summer. The unfortunate failure

of the legislature to pass the appropriation bills prevented the new unit from being entirely completed before school opened. The gas, electricity, and cabinet work were installed after the classes started, and for several weeks some mechanic or other "attended" almost every session of the class.

The new pathologium is just the size of the old one and very similar in outward appearance. The wall between the old and new buildings has been entirely removed and the front two-thirds has been converted into an adequate laboratory for the methods class. The rear third of both units forms a long room which is used for many things in connection with the greenhouse and experimental work. The result is a much larger, lighter, and more adequate working space for laboratory or experimental work. The basement which is yet unfinished will contain various constant temperature rooms, a photographic dark room, a work room, and storage space.

**NEW GREENHOUSES.** One new greenhouse was added to the east end of the plant pathology range two years ago; another is just being completed at the west end for the horticulture department, and a third is being planned for the plant pathology department. In spite of this apparent large increase, greenhouse space is even more at a premium than ever before.

**LIBRARY.** A large collection of valuable foreign literature was purchased with the devoted aid of Atanasoff for the plant pathology library at the period when European conditions permitted of this. The complete set of Centralblatt f. Bakt. has been bound and placed on the shelves and the rest of these books are now being catalogued at the University Library. The number of bulletins on hand for class use has more than trebled during the past two years, the courses in truck crop diseases and cereal diseases being especially well provided with literature of this sort. An intensive effort is being made at present to provide a similar collection for the fruit disease course. In addition, a new series of separates for the Departmental Library has been started and has grown in a year to nearly 800 separates. We find the collection of separates more and more useful, and a great time-saver, especially since Botanical Abstracts is giving us such an extensive author index, and we are anxious to make our collection as complete as possible. Former students are invited to contribute to this growing collection. All this increase together with the constant accumulation of new books have long since overtaken the shelf capacity of the library. A large double stack thirteen feet long was added to the library this fall, but this block of 182 linear feet of book shelves was quickly filled, and we are even now looking forward to acquiring another similar book stack to provide for our rapid expansion. The collection of microscopic slides has been entirely overhauled, relabeled, and indexed, and installed in new slide boxes in a new oak filing case in the library. There is a new oak desk and typewriter for the library, and the supplies and smaller articles kept in various places have been collected into three large oak cases which are a joy to the stock-keeper.

MUSEUM. The pathological museum on the third floor is likewise constantly outgrowing the available shelf space. There are now over twelve hundred of the large glass specimen bottles in the permanent display, not counting the hundreds of jars of specimens kept for the purpose of dissection and examination by classes. A similar increase has occurred in the collection of Riker mounts and pressed material. The large charts for class and extension work have been installed in a new filing case in room 301. The paper charts have been backed with muslin and all charts are now provided with wooden strips top and bottom, hangers, and labels.

WASHROOM. The west end of the third floor was finished off two years ago and a wash room with storage room for glassware and apparatus was provided to relieve the congestion in the old media room. A large steam still provides an abundance of distilled water which runs through block tin pipes to the media room and the cereal laboratory.

#### STAFF NOTES

PROFESSOR JONES is still a very busy man although he has been relieved of a good many routine duties. The rapid growth of the department has increased the demands on his time, and all of us feel the need of his judgment and counsel quite frequently, so there are generally several of us on the waiting list every day. He gives the lectures in course 101 to an audience of 25 or 30, representing a good many departments. His continuing responsibilities in connection with the National Research Council, the Thompson Institute, and departmental matters take him east frequently. A noteworthy part of his equipment on these journeys is his golf bag (he calls it his "life saver"). He still claims the departmental championship, although he allows that some of the younger men are crowding him hard. Doctor and Mrs. Jones drove to Woods Hole and Washington in their light Overland during their longer absence two years ago.

PROFESSOR G. W. KEITT has a considerable portion of the administrative work under his direction, and in addition gives the lectures in methods (102) and the course in diseases of orchard fruits. During the second semester last year Dr. Keitt's course on fungicides in relation to host and parasite was given, and is planned to alternate with orchard fruits in the future. The apple scab experiments are being put into manuscript form this winter. Dr. Keitt spent his vacation in the south this summer and his mother returned with him remaining in Madison for some time.

PROFESSOR R. E. VAUGHAN is still handling most of the extension work for the department and teaching two courses, course 5, a modification of course 101 which aims to meet the needs of undergraduates in agriculture and emphasizes symptoms and control, and the course in plant diseases for the short course students. The Vaughans have just recently built a beautiful, big new home in Nakoma, about opposite the school-house. The Vaughans have a second son, Edwin, born in July, 1921.

DR. J. G. DICKSON has had the immediate supervision of the work of the cereal laboratory since Dr. A. G. Johnson returned to Washington, D. C., and in addition has been devoting considerable time to the development of the constant temperature and humidity chambers. In the meantime Gibberella saubinettii has not been neglected. The Dickson's too have a fine new home in Nekoma, built in the summer of 1922. Their youngest daughter, Charlotte, will be two years old this winter.

DR. E. M. GILBERT is directing the laboratory work in course 101 and teaching courses in morphology of fungi, advanced mycology, and cytology of fungi. Dr. Gilbert was promoted to a full Professorship last summer. The Gilberts sold their house on Spooner Street and recently bought a larger house, just completed, on Chamberlain Street in University Heights. The Gilberts have a second son, Edward Everett, age 19 months.

L. K. JONES is spending the major part of his time on the research work on apple scab and cherry leaf spot which keeps him at Sturgeon Bay from May 1st to October 1st. He is instructing a course in small fruit diseases and assists Dr. Keitt in the laboratory instruction in the course in orchard fruit diseases. "L.K." was married to Ruth Bitterman, June 14, 1922. The Jones enjoyed a six week's trip this fall to the Pacific Coast where Mr. Jones parents live. "Fanny" the motorcycle with a side car and a temperament (furnished by the State for the Sturgeon Bay work) has been displaced by "Polly Anna" an Oldsmobile touring car--the Jones' very own.

A. J. RIKER who taught the laboratory course in methods and assisted Mr. Vaughan in his courses last year, now holds a National Research Council Fellowship and is continuing his work on crown gall. "Joyce" was married to Miss Regina Stockhausen on December 26, 1922. Mrs. Riker received her Ph.D. in Botany at Wisconsin in June 1923, and is an instructor in botany this semester.

R. B. STREETS has for the past three years been assisting in course 101, and acting as laboratory instructor in the courses in diseases of truck crops and diseases of cereals. He has also had charge of the museum and the graduate laboratories.

MARION WALKER has had charge of the laboratory work in Dr. Keitt's course in methods in plant pathology this semester.

JOHN BRANN has been continuing his work in joint relations with plant pathology and horticulture. During the summer months his time is devoted to the potato seed certification work while during the winter months he devotes part time to extension work in cooperation with R. E. VAUGHAN.

MRS. R. B. STREETS has been filling the position left vacant by RUTH BITTERMAN JONES when she resigned in May, 1922. This is the position at the library desk held in succession earlier by MISS COERPER (MRS. BROWN) and MISS MAUDE MILLER (MRS. WILLIAMSON) As you no doubt recall, the title "Assistant" is very apt since the holder of that position is asked to assist almost anyone in almost any thing. Mrs. Streets acquired Plant Pathology by adoption and marriage, as she took her degree in Applied Art last June.

UNITED STATES DEPARTMENT OF AGRICULTURE  
CEREAL OFFICE, AND COTTON AND TRUCK OFFICE

H. H. MCKINNEY is continuing his studies of the rosette disease and related troubles of wheat. He has recently as joint authors with Doctors Webb and Eckerson published an article on the intracellular bodies associated with wheat rosette. McKinney spent some time at the University of California last year studying the flagellates in relation to rosette and mosaics and left Wisconsin at Christmas time to spend several months at Johns Hopkins continuing his studies.

ROBERT W. WEBB who came to Wisconsin two years ago from Dr. Duggar's laboratory at St. Louis has been working with McKinney on rosette and other problems.

HURLEY FELLOWS who received his Ph.D. in June has joined the Cereal Office and is working on foot-rot diseases of wheat. Fellows made a collecting trip to the Pacific Coast last summer and returned with enough material and cultures to keep him occupied for some time.

The women of the cereal office decline to furnish material for publication so we have little to say. MISS MILLER had to move some of the furniture out of her office to make room for more filing cases. MISS JOHANN and MISS WINELAND have storm windows on their laboratory and a new thermostat so they plan on working in comfort. MISS WINELAND has taken up golf, but MISS JOHANN refuses thus far to permit even this to distract her from her pet Fusariums.

DR. F. R. JONES continues to devote his attention to the legume diseases, especially the root rots of peas. The Jones' are now living on Chadbourne Avenue in the house built by the A. G. Johnsons. Mr. and Mrs. Jones have two sons, Francis, age 19 months, and Fred, Jr., age 4 months.

DR. J. C. WALKER is doing further research work on onion and cabbage diseases basing much of his later work on the broader acquaintance with these secured in his European journeyings in 1922. The Walkers have a Dage Sedan, and John, Jr., is the new ruler of their home on Vilas street.

S. P. DOOLITTLE is continuing his work on the mosaic of cucurbits. Doolittle was married January 14, 1922 to Miss Alma Steinmetz, who will be remembered as the Secretary of the Plant Pathology department.

John Monteith has been helping in the breeding of cabbage for disease resistance as a side line while sharing major responsibility with F. R. Jones on clover diseases. Recently he has been giving some attention to a spot disease of golf greens. (John does not play golf - yet.)

CHARLES DRECHSLER who has transferred from the Cereal Office to Cotton and Truck, is in Madison for forty days working with Dr. Fred Jones on the root rot of peas. Drechsler has been engaged in making drawings for publication and studying the morphology of the fungus.

## STUDENTS

H. W. ALBERTZ, Watertown, Wis., holds both B.S. and M.S. ('20) degrees from Wisconsin so is probably known to many alumni. He is an instructor in agronomy and has a joint major with plant pathology. He is well advanced on his problem, "A study of factors affecting disease resistance in corn".

MOHINDRA BAHADUR, Hyderabad Deccan, India, received his M.S. in genetics at Wisconsin in 1922 and has returned for a year's general work after having spent a year with Dr. Taubenhau in Texas.

G. W. BENNETT came to us this fall from Michigan Agricultural College where he had been teaching Plant Pathology since receiving his M.S. at that Institution in 1920. His research problem is "Infectious chlorosis of raspberry".

ANTHONY BERG, who has been engaged in research work with Dr. Giddings at the West Virginia Experiment Station since receiving his B. S. at Wisconsin in 1912, returned to Wisconsin this fall to continue graduate studies. He is working on the production of resting spores by Phytophthora infestans.

PROFESSOR F. M. BLODGETT of Cornell University is spending his sabbatical year at Wisconsin, auditing a number of courses, and continuing his research work on the injury to potato tubers by various methods of seed treatment. Professor Blodgett has been engaged in research and extension work in plant pathology at Cornell since receiving his Ph. D. from Cornell in 1914.

A. NELSON BROOKS came to Wisconsin this fall from the University of Cincinnati where he has been instructor in botany and bacteriology for the past three years. Brooks is taking over the work on fire blight started last summer by A. J. RIKER in cooperation with the State Department of Agriculture.

GEORGE H. CONANT is spending his second year in graduate work at Wisconsin. Conant received his B.A. at Ripon College in 1920, and has for the last two summers been associated with Dr. Pracker of the State Department of Agriculture and with Dr. James Johnson in the tobacco wildfire problem. The Conant's have a son, born December, 1923.

GEORGE H. DUNGAN came to Wisconsin this fall from the University of Illinois where he has been an associate in crop production since receiving his B.S. ('17) and M.S. ('20). Dungan has a joint major with plant physiology under Dr. Kraus, and is working on the influence of corn root rot on the starch content of corn kernels. Mr. and Mrs. Dungan expect to make their home in Madison for two years before returning permanently to Illinois.

THEODOR DYKSTRA came to the United States from Holland eight years ago and received his B.S. degree from Oregon Agricultural College in 1923. Dykstra is interested in potato diseases and is also doing some work with Dr. James Johnson.

P. T. GATES came to Wisconsin from Chicago where he received his B.S. degree from the University of Chicago in 1922 and took two quarters of graduate work. Gates is interested in fruit and truck diseases, especially market pathology. Mrs. Gates accompanied her husband to Madison.

GRACE GILCHRIST is our representative from the British Isles this year. She is the present holder of the Rose Sidwick Memorial Fellowship which had been previously held by Rose Bracher who was at Wisconsin two years ago. Miss Gilchrist was graduated from the University of Bristol in 1916 with first class honors, and for the past three years has been demonstrator in botany at the University of Bristol. She has been engaged also in research with Dr. Wiltshire on the bark disease caused by Myxosporium corticolum Edg.

GEORGE JANSSEN is doing his second year of graduate work at Wisconsin, after receiving his B.S. and M.S. from South Dakota State College. Janssen is working on winter injury and hardiness in cereals, which gives him a joint major in three departments, plant pathology, applied botany, and agronomy. Janssen is another of our married men.

BENJAMIN KOEHLER, whom many of you will probably remember, is back to continue his graduate work. He took his M.S. at Wisconsin in 1920. Koehler has been Assistant Pathologist in the United States Department of Agriculture stationed at Bloomington, Illinois. He is working on some phases of the corn root rot problem. The Koehlers have two children, Donald, age 5 years, and Carol, age 5 months.

EDWIN J. KOHL came to Wisconsin from Purdue, Indiana, where he has been associated with Dr. M. W. Gardner in his work on the apple blotch disease. Kohl has been an instructor in Botany at Purdue for the past four years. Mr. and Mrs. Kohl have a daughter, Mary Eith, one year old.

RUSH P. MARSHALL was graduated from Pennsylvania State College in Horticulture in 1914, but has engaged in plant pathological work ever since, except for two year's army service. He has been in the employ of the United States Department of Agriculture, first in the forest pathology work, then under the Federal Horticulture Board on the powdery scab and potato work projects. Marshall is married.

RUBERT B. STREETS, who came to Wisconsin with a B.S. degree from Montana State College and received his M.S. from Wisconsin in 1922, is completing his research problem on the nature of disease resistance in flax wilt. Streets was married to Miss Frances Wocasek of Great Falls, Montana, in August 1922.

E. C. TIMS took his B. S. Degree at Mississippi A. and M. College and was an instructor in botany there the following year. This is Tims' third year of Graduate work. During the summers he has been associated with the cabbage and onion work in the Racine district. Tims is married and has a son two years old.

C. M. TOMPKINS is spending a second year at Wisconsin in graduate work. He holds B.S. and M.S. degrees from the Colorado Agricultural College. In his earlier work his major was horticulture, but since he has been associated with the potato work in Colorado, he has turned to plant pathology.

EDGAR F. VESTAL took his B.S. degree in Oregon Agricultural College in 1916 under Dr. Draus, and until last year when he took up graduate work in plant pathology he was interested in commercial horticultural work. He is carrying a joint major with Botany.

MARION N. WALKER is spending his third year of graduate work in plant pathology. Walker has been working with Dr. Doolittle on mosaic problems in relation to cucurbits, and wild hosts of mosaic. Walker received his B.S. from Alabama Polytechnic in 1921, and his M.S. from Wisconsin in 1923.

FREDERICK WELLMAN came to Wisconsin last June and has been associated with Dr. J. C. Walker in some work on onion smut. Wellman received his B.A. from Fairmount College in Kansas in 1920.

#### UNDERGRADUATE MAJORS

C. A. DAHL of Superior, Wisconsin, and EDWARD E. WILSON of Burkville, Kentucky. Wilson was at Sturgeon Bay last summer assisting L. K. JONES in the orchard work on apple scab and cherry leaf spot.

#### NOTES FROM CINCINNATI MEETINGS

Fifty-two of the one hundred and sixty names on the program for the Phytopathology meetings were those of Wisconsin graduates or students in plant pathology. That is one-third, while last year the number was greater, being over one-half. Professor Jones says he hasn't taken the time to count up the names of additional former students at Vermont.

Wisconsin was well represented at the meetings. The following members of the department were present, (list includes former students): F.M. Blodgett, A.N. Brooks, Carner, Clayton, J.J. Davis, R. J. Davis, Charlotte Elliott, Miss Gerry, N. J. Giddings, E. M. Gilbert, J. C. Gilman, G. H. Godfrey, J. P. Godkin, A. G. Johnson, James Johnson, Professor L. R. Jones, G. W. Keitt, J. A. McClintock, Frank T. McFarland, H. H. McKinney, J. E. Melhus, Emmeline Moore, J. O. Ninman, C. Audrey Richards, A. J. Riker, E. C. Sherwood, C. M. Slagg, Ellis A. Stokdyk, W. G. Stover, E. C. Tims, W. B. Tisdale, E. H. Toole, J. C. Walker, Geo. F. Weber, and R. B. Wilcox.

#### FILLERS

Two tons of cabbage seed have been grown during the past season on the Pacific Coast of the WISCONSIN YELLOW RESISTANT STRAINS, such as the Wisconsin All Seasons, Wisconsin Brunswick, and Wisconsin Hollander. This seed is grown mostly for Wisconsin cabbage growers and for the National Kraut Packers' Association. In addition to the western grown seed, several Wisconsin farmers have also grown it on a small scale, and it is reported that some

of the Wisconsin Hollander is being raised on some of the islands of Denmark. So far, the demand for "yellows resistant" seed has been greater than the supply.

One hundred fifty members of the Wisconsin Pea Packers Association representing nearly 70 canning factories spent Dec. 11-15th in a "Canners' School" at the University. Lectures, demonstrations, and laboratory work covering the various phases of the pea raising and canning industry were given by the soils, agronomy, bacteriology, entomology, and plant pathology department. R.E. Vaughan and F. R. Jones spent a busy week with the canners, having a laboratory section on pea diseases every afternoon.

#### PATHOLOGICAL ABSTRACTS

The Cotton and Truck Office (Dooley, John, J.D., and F.R.) acquired a Ford last spring and there were many thrilling escapades before "Weary Williw" was reduced to docility. Dooley will explain how close you can come to a tree without climbing it.

Speaking of cars, they are going to move the Pathologium and Greenhouses closer to University avenue to provide parking space for the Plant Pathology and Horticulture gasoline buggies. A number of the Grad students now roll to the laboratory in luxury.

Many of the boys have been bitten by the "Radio Bug" and a shiny copper aerial now stretches from the top of the Hort Building to the Pathologium. An extra table in the big Lab. room upstairs (301) staggers under a load of storage batteries, head phones and mysterious boxes with many dials and levers.

JOHN MONTEITH and Hurley Fellows are our most enthusiastic radio fans and JOHN can often be found patiently tuning in Schnectady, N. Y., Atlanta, Ga., or Dallas, Texas. Concerts and football scores appear more interesting than lectures and sermons.

The Wisconsin-Illinois Game was reported to quite an audience on our own department "Gridograph" (The big blackboard upstairs with a cork on a string for the ball).

The Pathology Cat (Colletotrichum tabii by name, "Tot" for short) enjoyed a brief and eventful career at the "Hort. Bldg" before her mysterious disappearance. The rodents which inhabit the Hort. Bldg. did not understand the nature of cats and several families within the period of four days fell victim to sharp claws. Much concern about the unbalanced diet of said cat led to a generous popular subscription to but a daily saucer of milk, but the cat not knowing of the "meal ticket" left suddenly and the milk fund was confiscated to provide doughnuts and cider for the department seminary.

EXTRA:--Prof. Gilbert was elected to the office of national president of Gamma Alpha, honorary scientific research society. Dr. Gilbert has represented the Wisconsin chapter at the national conclave of the fraternity for several years.

The End.