

THE WISCONSIN PATHOGEN
Madison 6, May, 1944

Issued occasionally by R. E. Vaughan, Editor

Since the last issue of the Pathogen, January, 1943, a lot of important news notes have come to our attention that we wish to share with former students. War problems are commanding first attention, but food problems are a close second, and that means plant disease control which to be effective must be backed up by research.

A WAR-TIME GREETING

Those of us at the home laboratory send you our warmest greetings confident that you are serving our country and our allies well, whether in the armed forces or through your scientific work.

Our departmental program has been modified to throw all possible energies into work in support of the war effort. Thirteen men from our laboratory have gone into the armed forces. Part-time assistants have been put on a full-time basis to enable us to carry on with the least possible manpower the lines of work regarded as essential by the University committees and Selective Service boards. Our elementary course for undergraduates has been dropped for the duration, but the other courses have thus far had sufficient enrollment for continuation. Our research program, having been adapted through many years to meet pressing needs in relation to agricultural production on a wide front, has been comparatively little changed, save for shifts in emphasis. Some lines have been temporarily discontinued in order that increased attention could be given to others. The work on long-time fundamental problems has, in general, been reduced to the minimum necessary to maintain essential experimental material and safeguard progress already made.

Next to the immediate and all-important task of winning the war, we at home are concerned with preparing to meet the educational and research responsibilities of the post-war period. The problems of reconstruction will make exceptional calls upon science and technology, which can be no stronger than the educational and research institutions from which they spring. An earnest effort is being made at Wisconsin to plan to be in readiness to carry our institutional share of these responsibilities when it again becomes possible for the world to turn its energies into the ways of peace. With the hope that this time may be soon,

Yours sincerely,
G. W. Keitt

We are all delighted to receive good reports from Dr. and Mrs. L. R. Jones at their winter home, Anherst Apartments, Orlando, Florida. Dr. Jones tried to be too active before Christmas and had to pay for it by spending more time in bed. However, he says to tell you now that he is feeling fine, thanks to the good care which Mrs. Jones gives. His summer at Brookfield, Vermont, was very pleasant and on the whole uneventful. Their auto is in storage at Randolph waiting for a limited work out next summer. The usual time in Vermont is May or June to October. Dr. Jones' extensive library of plant pathology separates has been formally presented to the University and has been accepted by Mr. McCaffrey, Secretary of the Regents.

Plant Pathology Staff Notes

The close cooperative arrangements with the related departments of botany, biochemistry, agronomy, horticulture, and economic entomology are being continued in good order. With somewhat reduced teaching loads, added attention is given to research.

G. W. Keitt, in addition to carrying the responsibility for the chairmanship of the department, is chairman of the Faculty Division of the Biological Sciences and a member of the Administrative Committee of the Graduate School and of the University Steering Committee for Studies of Post-War Planning. He has recently published with C. N. Clayton on the cherry yellow virus disease, with M. H. Langford and J. R. Shay on genetic studies of pathogenicity and certain mutant characters in Venturia inaequalis, and with J. D. Moore and E. C. Calavan on apple scab control work and the European brown rot on cherry in Wisconsin. Mrs. Keitt and the three boys are fine.

J. G. Dickson The malt research laboratory and corn improvement committee take a good bit of time. The course in Cereal Diseases is being given this semester. Dr. Dickson has rented his house in town and moved out to his farm in Middleton that is being operated by his older son, James. His younger son, Allan, is a captain, U. S. Army 7th Engineers. He suffered shrapnel wound in the battle of Attu and spent some time in the base hospital at Honolulu. He is now again in active service in mid-Pacific. Both Nevelia and Charlotte are married, the latter to an army lieutenant.

A. J. Riker has very completely recovered from his serious spinal operation of two years ago, and even bowls a little on occasion. The International Cancer Research Foundation continues cooperative relations. He has recently published with L. F. Roth (now in the navy) three articles with reference to damping-off in red pine seedlings. He has also published on white pine blister rust resistance in seedling selections with Kouba and others, on the influence of chemicals on pathological growth with Thomas, and on the reduction of blossom drop in wax beans with Allen and Fisher. Owing to the acute shortage of assistants, Mrs. Riker has brushed up on chemical and physiological technique and does some work in the laboratory.

J. C. Walker completed a successful term as President of the American Phytopathological Society and presided at the annual meeting and banquet held at Columbus, Ohio. One of the courtesies of that meeting that was much appreciated was the round-robin greeting that was sent to Dr. and Mrs. Jones in Florida. Dr. Walker made a special summer trip to the West Coast in connection with vegetable seed diseases and the new government laboratory at Mount Vernon, Washington. A recent article was published with Hooker and F. G. Smith on "Toxicity of beta-phenethyl isothiocyanate to certain fungi." The Walkers have sold their house on Lathrop Street and are now marking time in an apartment down town before moving into the Leschier house in Nakoma. They have had their own home too long to be happy in an apartment.

B. M. Duggar, who retired from the Botany and Plant Pathology staff last July, has accepted a position April 1 with Lederle Laboratories, Inc., Pearl River, New York. This laboratory is the branch of American Cyanamid Company that is interested in the development and manufacture of biological and pharmaceutical products. Dr. Duggar is to have a laboratory and assistant and to continue his research problems in plant physiology. He will also get in touch with young men interested in mycological research, thus building up the mycological status of the Lederle Laboratories. The Dane County Ration Board has allowed him enough gasoline to make the transfer in good order. Our best wishes go with Dr. Duggar and the expressed hope that he may make frequent return visits to our campus.

R. E. Vaughan. Victory garden pest control takes an increasing amount of time. Mrs. Vaughan is making a marvelous recovery from two major operations, spinal for arthritis, and gall bladder, last September and November. Both boys are in the army, James a major in the Signal Corps, 1st Division and Edwin a second lieutenant in chemical warfare officers' replacement pool, Pine Bluff, Ark. Marjorie helps keep the home fires burning.

J. W. Bram continues with potato disease extension, especially in cooperation with the Smith-Hughes teachers. His son, John, Jr., is with Standard Oil, Inc., Baton Rouge, Louisiana, in their synthetic rubber plant. The company refused to release him to accept O. C. S. in radar for the navy.

H. M. Darling continues in charge of the potato certification and foundation seed stock program. He has about 50 select growers and maintains a foundation seed farm at Three Lakes. At the present time a number of seed lots are on index in the greenhouse and in the field in Alabama. Henry recently completed work for his doctorate at Minnesota.

G. H. Rienan is still struggling with the potato scab resistance problem. The reduced amount of labor available has caused him to omit the greenhouse planting of some strains of hybrid seed. The summer farm on Madaline Island near Bayfield will be continued.

J. L. Allison, joint with the U. S. D. A. Forage Office, has a new mildew resistant red clover that looks most promising and is being increased for commercial evaluation. His cottage in Lakewood was getting restricted with two children, so Lew sold his house and has rented Dr. Duggar's house on Rowley Ave.

James Johnson's title has been changed to Professor of Horticulture and Plant Pathology, in recognition of his excellent contributions in our field and his close relations with our department. His work and administrative relations will remain the same. His son David is a lieutenant in the army air corps stationed at Ardmore, Oklahoma with temporary assignment at the Tactical Center, Orlando, Fla. Jin's daughter, Emily is married to an employee of the U. S. Treasury Department and lives in Alexandria, Virginia, on account of the housing shortage in Washington.

M. P. Backus has assumed the cooperative relations with our department that were formerly held by Dr. Gilbert. Dr. Backus is working long hours these days developing strains of Penicillium that will be of greater value than those now available for the production of penicillin.

R. H. Larson continues in active potato disease research and is a member of the War Service sub-committee on Potato Late Blight. He recently published an article in Phytopathology on Mottle necrosis associated with X virus, and has two articles in press in J. A. R. "Ring Rot Organism in Relation to Tomato and Egg Plant" and "Resistance in Potato Varieties to Yellow Dwarf." He has been put on part time with B. P. I. on onion disease research.

E. L. Shands is listed in the University catalogue in Agronomy, but because of his long association with Dr. Dickson on grain disease control, we have some claim on his attention. His work in bringing out the new disease resistant Vicland oat is being very well received. It has been written up in Wis. Bul. 462, just issued. Vicland is being distributed in volume from Dakotas to New York and Pennsylvania. Its use will account for increased yields on decreased acres.

J. D. Moore has accepted a full time appointment on our staff to continue with the fruit disease investigations at Madison and Sturgeon Bay. The Moores will be leaving soon for the summer duties at Sturgeon Bay.

R. H. Gruenhagen, Ph. D. '44 has recently completed his doctorate on poplar Hypoxylon disease, and is to remain on our campus for the Bureau of Plant Industry and Forest Service working with Dr. Riker studying jack pine "burn blight" and white pine blister rust.

W. W. Hare Ph. D. '43 is on full time post doctorate assignment in Plant Pathology & Agronomy in continuing work on pea breeding especially emphasis on resistance to wilt and near wilt.

D. C. Arny Ph. D. '43 is also on joint appointment with Plant Pathology and Agronomy in Grain Breeding problems with special emphasis on disease resistance. In addition he is continuing studies on nature of disease resistance, barley stripe.

Al Steinmetz, our efficient greenhouse manager is very busy these days maintaining temperature tanks and houses in working order. Extra greenhouse labor is a thing of the past. His son Al. Jr. is with the army medical division 3rd Battalion, 298th Inf. in the Pacific area. His younger son, Donald is with a tank destroyer division, Camp Shelby, Miss.

Miss Sleicher, in charge of our office for several years, has a new assistant since April 1st, Mrs. Edgren. The former assistant, Mrs. Roller, resigned on account of adopting a baby boy. Mother and son are reported getting along fine.

U. S. D. A. Cooperating Staff

F. R. Jones, Senior Pathologist, Forage Crops and Diseases, is continuing with disease resistance studies in alfalfa and sweet clover. The wilt work has been enlarged to include a number of leaf spots and mildews. His younger son Fred Jr. recently spent a few days at home between V-12 training at Bates College, Me. and Midshipman School, Columbia Univ. N. Y. His older son Francis is in Boston Medical School, U. S. Army Reserve. Mrs. Jones is helping out in the "polio" lab. Univ. Medical College.

Paul Hoppe, Associate Pathologist is running a lot of seed corn treatments and says that although the mercury dusts continue tops he has an increasing respect for Arasan. Paul is recovering from a broken arm on account of too much hurry on an icy road.

Helen Johann, Associate Pathologist, is continuing research, on various pathogenic fungi on cereals especially cytology of barley smuts.

R. G. Shands, Agronomist, has a number of new hybrids in wheat and barley that show promising disease resistance.

A. D. Dickson, Chemist, is in charge of the malt research laboratory especially interested in biochemical problems associated with malting. Quantitative methods are successfully applied to small samples. He is assisted by Emily Grewe who transferred here last fall, Wm. J. Olson, and B. A. Burkhart.

Graduate Students

As in most departments and colleges, graduate students have been drastically reduced on account of the total war effort. However, inasmuch as soldiers eat three or more meals a day and demands for lend-lease and civilian uses increase, plant disease research must go on. The following staff members have research assistants under their supervision: Walker 5, Keitt 3, Riker 3, Dickson 2, and Johnson 1.

University and Agricultural College Notes

We have a new Dean these days, Dr. E. B. Fred, formerly Agricultural Bacteriologist and later Dean of the Graduate School. Dean Fred has been running a two ring circus for several months between his responsibility here and with Problems of National Defense, Washington, D. C. Former Assistant Dean I. L. Baldwin is on leave devoting his whole time to National Defense problems. Baldwin and Fred are both in civilian status.

Dr. W. E. Tottinham, biochemistry department, passed away suddenly March 2 from a heart ailment. He had been confined to his bed for only a week. He is survived by his wife, a daughter, Mrs. Sprague, State College, Pa. and a son Pfc. Robert, Fort Bragg, S. C.

Attendance in the Agricultural College is now listed at 870, divided as follows: long course 97, short course 96, winter dairy course 11, graduate students 125, home economica undergraduates 526, and home economics graduates 15. Some inquiry is already coming regarding post-war education, and Associate Director Noble Clark and Asst. Dean V. E. Kivlin are included on a committee for this project.

Dr. W. J. Robbins, Director New York Botanical Garden, was on our campus March 7, 8, 9 for a series of three lectures on: Growth Substances, The New York Botanical Garden and Its Scientific Work, and Growth Substances with Special Reference to Mycology. This series was sponsored by the University Research Committee. Dr. Robbins gave careful attention to conferences with staff and graduate students on problems in progress, and expressed himself as much pleased with the contacts he had made. Needless to say, the satisfaction was mutual.

Professor Emeritus Julius Olson of the Scandinavian language department passed away at his home February 25, 1944, after a brief illness. He had had a colorful 85th birthday party last November. For many years before his retirement in 1930 he had been head of the University Committee on Public Functions in charge of convocations, memorials, and commencement exercises. It was for him the students coined the phrase "It never rains on Olson." In 1925 King Haakon of Norway made Professor Olson a Knight First Class of the Order of St. Olav.

WISCONSIN PLANT PATHOLOGISTS IN WAR SERVICE

Lt. Col. J. O. Andes, Div. Hq. A. P. O. 32, San Francisco, Calif. Dr. Hare had a letter dated January 24 from somewhere in the South Pacific. He says that the Japanese may have a physical form like that of a man, but his mind is more like that of an insect and he is motivated by responses not logic. For example, he does not bury his dead, except for purposes of secrecy; so our boys have to do it. Andes says that the scenery is beautiful at a distance, deep indigo blue ocean and gorgeous sunsets. Most critical thing is the dreaded tropical disease, malaria. The latter is pretty well under control. The natives say, "Man he sick un head, ne want atbrin." The area is overpopulated with natives and food is at a premium. Our crops will not grow in many places because of soil deficiencies. So far as we know, Col. Andes is the only one of our group in chemical warfare. This is the branch where Dr. Keitt served in World War I. Andes recommends travel after the war and thinks the rates will be within reach of anyone who will use a passenger-freight line instead of the deluxe liners. He has met many Wisconsin men in the 32nd. division.

Major E. A. Baird is with an Infantry Division Camp Houston, Texas.

Capt. J. P. Jolivette, 20th Inf. A. P. O. 6 c/o P. M. San Francisco, Calif., writes from mid-Pacific January 19 that he has seen a couple of Wisconsin men and is continuing to look for a hula girl's grass skirt to send to Russ, but so far he can't find a cereal plant pathologist who will certify that it is free from harmful diseases. Jim was doing instruction work at an army base but has recently moved into active service. The 20th is with the 7th division. Jim wrote to Dr. Walker on Feb. 28 from New Guinea. He was well and at the time of writing listening to a "B" kit army phonograph. His boys were playing volley ball in the rain. He is getting accustomed to the climate, especially the mid-day siesta. Lots of new and interesting trees, plants and animals in the jungle. Wild hogs and bats command attention. He is still looking for Wisconsin peas.

2nd. Lt. Walter M. Banfield, Sn. C. c/o F. C. Kaist, Minnisink Road, Patterson, New Jersey. Temp. (12-15-43), M. D. R. P., M. R. T. C., Camp Grant, Ill. Walter has been working in a clinical laboratory on bacteriology, parasitology, serology, haematology, chemistry, etc. In fact, everything that a sanitary officer has to know. He expects to go to Atlanta, Georgia. His background in plant pathology is proving very beneficial.

Lt. Chas. Gardner Shaw is with the Marines stationed at Boston, Mass. He is doing special research on electronics at M. I. T.

Lt. Don Hagedorn, Q. M. C. Division, Army Air forces, Wendover, Utah. After receiving his commission, a wife was next in order so now it is Lt. Don and Eloise. Congratulations!

Lt. J. B. Carpenter Army Signal Corps. Former Dean Baldwin was recently on the campus and reported that Lt. Carpenter was working with him on secret problems of national defense, Camp Detrick, Md. This explains why John doesn't answer letters.

Lt. T. C. Ryker, formerly at Key West, Fla., is now on the instruction staff at Georgia Institute of Technology, Atlanta, Georgia.

Pfc. August M. Gorenz, 16126960, Co. G. 15th S. T. R., Claridge Hotel, St. Louis, Mo. Gus is getting instruction on various lines of electronics, including the electron microscope. This will help in virus work later. He had 5 months in Florida but since the camp was in the dune area, the chance for farm and garden contacts was limited. Girls in St. Louis are very plentiful and handsome! 'Nuf said!

Sgt. Raymond Boyun just finished 3 months training in Missouri and has now been transferred from air corps to medical corps on the west coast. He was home on furlough in December.

Sgt. R. W. Fulton, 297th Gen. Hospital, A. P. O. 189, Los Angeles, Calif. Fulton was on the campus in February on account of sick leave. He had a strain of fungus pneumonia (Coccidioides immitis) in December that had him confined for a while. The hospital is very new and in a section where dust storms have to be considered. He also worked for a time in the 34th Gen. Hospital and has been mostly running bacteriological cultures.

Cpl. Fred Wolf Randolph Field, ^{Tex.} Technical School, Aviation medicine.

Don Bownan Corn pathology at Wooster, ^{O.} has recently joined the army.

W. W. Rouse formerly at Conn. Sta. is now in the army address unknown.

Harry Goodloe, Experiment Station, Logan, Utah, a joint major in genetics, agronomy, and plant pathology, writes Dean Army that he has just passed his physical and expects to be called within 30 days. He has been with U. S. D. A. on grass research since leaving Madison.

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Lt. Wallis V. Ludbrook (Ph. D. '32) address 15 Elinatta St. Reid, Canberra, A. C. T. Australia. Ludbrook has been an armament officer in the Royal Australian Air Force for the last 15 months. It was not possible to get into war activity as a plant pathologist, and his research work on pine needle fusion and maize root stalk and ear rot had to be dropped on account of transportation and labor difficulties. He spent 7 months training as an armament officer and has since been teaching at a bombing and air gunnery school. His rank of flying officer is equivalent to that of lieutenant in the U. S. Air Force. His field location at present is 2 days train journey from Canberra so that he cannot get home very often. It was impossible for Mrs. Ludbrook to go along so she has taken a job in the Government Service at Canberra with the Mineral Resources Survey. Dr. Ludbrook says that his old position will be open to him after the war. He has seen very few Americans at his field station. (Letter to J. C. Walker, Feb. 5, 1944.)

Oh, for the Navy

Lt. (j.g.) Dean E. Pryor, U. S. N. R. 2 B Div. Naval Air Station, San Diego, Calif. Congratulations on the arrival of a new daughter, Kirsten Jeanne, born February 25. Mother and daughter are reported O. K. In a letter of February 16 to Dr. Walker, Dean writes that in a recent survey he and one other officer were classified as essential. Their staff is being depleted by transfers to combat duty so that he has taken on additional assignments. He is now chemical warfare officer, security salvage officer and security photographic officer. This makes his work pretty well cut out for him, but with a new C. O. his duties are enjoyable.

Ens. Lewis F. Roth, U. S. S. Card c/o Fleet P. O. New York. For details about the ship and what the boys are doing see the November issue of National Geographic. Lewis says it's not exactly a pleasure cruise. They had been at sea some weeks when he wrote before Christmas. Several engagements have had naval history and the Card's crew received a presidential unit citation. Lewis says no extra pay but another ribbon. He is in the paymasters' department, and one day the safe door fell off and there he was with \$300,000 and no safe door! What a man! Three of his papers on damping-off have appeared in J. A. R.

Sam L. Baritell is reported in the navy, attending some medical school where his knowledge of bacteriology comes in handy. He was formerly at 206 Judah St. San Francisco, Calif.

Ens. B. W. Henry (Ph. D. '43), Camp Detrick, Naval An't. Frederick, Md. Berch wrote shortly after arriving from study of naval communications at Harvard. He was on the Wisconsin campus at Christmas time enroute to a furlough with Mrs. Henry and the baby at Mayville, Wisconsin. On his route he met Dr. Waldee, formerly Extension Plant Pathologist at Ames, Iowa. Before checking in at Camp Detrick, he stopped for a chat with Dr. Walter at the Dutch Elm Laboratory, Morristown, New Jersey. Not much doing at the lab now.

Ens. Thomas Theis M. T. B. R. O. N. 13 F. L. P. O. San Francisco, Cal. He left Madison in the spring of '43 and studied at Columbia University until recently transferred to Seattle and San Francisco. He was married in October to Ruth McBride, who was formerly dietitian on the residence halls staff at Wisconsin.

Ens. G. W. Bruehl, Navy Air Force, Monterrey, Calif. After taking training in Illinois, Texas, and Traverse City, Michigan, Bruehl is now working out on a torpedo bomber.

Ens. Leon Moore joint major Plant Path. and Genetics writes from Hawaiian Islands that he is doing instruction work for the navy.

V-7 Raymond G. Grogan was at the Columbia University Midshipmen's School. The last address we have is: U. S. N. R. 407, N. E. 17th Terrace, Belloué Hotel, Miami, Fla.

R. D. Wilson (M. S. June '37), N X 88768, W. O. II, C/- Lt. Cdr. Mace, C/- NOIC, Navy Office, Brisbane, Q. Australia. Wilson enlisted in the A. F. F. in February 1942 and has been connected with work in anti-aircraft, radio, and intelligence, mainly as an instructor in an army school. The N. S. W. Dept. of Agriculture has applied for his release to work on the "food front." Wilson has three boys, Glenn 4½ yrs., Malcom 2 1/4 yrs., and Keith 10 months. He has not seen many Wisconsin people although American service soldiers, sailors, and airmen are as numerous on the city streets as those from Australia. (Letter of Jan. 11 '44) He says that meat rationing is coming the middle of January and that they already have rationing of clothes, petrol, tea, sugar and butter.

Notes on the Washington "Bunch"

These notes regarding Wisconsin trained students in the U. S. D. A. were contributed largely by Dr. A. G. Johnson who wrote in February, by Dr. H. A. Edson who visited the campus in November in the interests of the Emergency Plant Disease Survey, and by Dr. S. P. Doolittle who spent a few days leave with his folks in Chicago in February and came up to Madison to give us the once over. Incidentally Doolittle gave us a very interesting "off-the-record" seminar on some of his work with tomato diseases, soil disinfection, and victory gardens. He was advisor for 40 amateurs in the gardening game last summer and found out a lot about growing vegetables as well as a few quirks of human nature that made life interesting and at times miserable. Mrs. Doolittle, who used to be our departmental secretary, Miss Steinmetz, and their two girls are fine.

A. G. Johnson had a hospital experience last summer and fall which has slowed him up a bit with advising and conferring on cereal disease control, particularly seed borne diseases of wheat. A new revision of Misc. Pub. 219 "Test Seed Grain" has just been issued. His older son Lewis is in the navy, at present teaching pre-radio and radar at the Chicago base. Marion is with her husband in Indiana where he is one of the F. B. I. men. Lawrence is a junior engineer at Carnegie Tech., Pittsburg, Pa.

H. A. Edson has a tremendous job in looking after the Emergency Plant Disease Project which is nationwide in its scope. He has drawn heavily on Wisconsin trained men: i. e. E. C. Blodgett, in Idaho, L. W. Boyle in Oregon, E. E. Honey in Wisconsin, S. B. Locke in Utah and California, M. R. Harris in Ohio and Michigan, C. M. Slagg in Florida, and E. F. Vestal, in Iowa and Missouri. Dr. Edson has been under the doctor's care for several weeks this winter but is now back on the job checking up on his numerous staff.

Charles Drechsler is busy on mycological problems in connection with vegetable diseases. As a recreation he is working out on the piano instead of the tennis court. It is good competition for the kids now and will come in handy as an avocation.

H. P. Barss is busy as usual in the Office of Experiment Stations but takes time off to attend Phytopathological meetings and committees.

Eben Toole is still with seed germination problems. Some of his pets are certainly long lived.

John Monteith is still working on grass and turf problems but with this difference; he is now with the army with special reference to grass on airplane fields instead of golf greens.

A. S. Dahl who used to be John's assistant is handling field crop seed for lend lease.

H. H. McKinney is getting some of the secrets out of various virus diseases.

A. C. Foster is working with physiological phases of certain vegetable diseases.

E. E. Clayton looks after investigations on tobacco diseases.

Charlotte Elliott is working especially on the helminthsporium leaf blight of hybrid corn. This was very destructive in 1942.

E. S. Schultz is continuing with potato diseases, especially viruses and dividing his time between Washington and Maine. He has more work since Dykstra is on leave.

W. J. Zaunmeyer continues work on pea and bean diseases with seed field plots in the western growing territory in the summer.

R. W. Leukel is continuing studies on grain seed treatments of cereals and sorghum. Last year he did some special work on hemp seed treatment which resulted in the commercial treatment of all government hemp seed between the Kentucky seed source and the growing fields in Wisconsin, Minnesota, Iowa, Illinois, and Indiana. Corn seed treating machinery was used for this purpose.

T. P. Dykstra is on leave from the U. S. D. A. potato disease investigations and is on a special mission to China for the Foreign Relations Committee of the State Department. He is called on for counsel on plant disease problems and took with him by airplane a number of special potato strains.

Paul Smith is reported with the Board of Economic Warfare.

H. G. McMillan stopped off in Madison last summer enroute to South Sea Islands for the Board of Economic Warfare. No news is good news, but we'd like to hear!

R. W. Webb Happily we may announce his marriage April 2 to Jean Marie, daughter of Mr. & Mrs. M. M. High, Sr. Gulfport, Miss. They will be at home 419 Fourth St. N. W. Washington, 1, D. C. Congratulations! Webb did his graduate work with Dr. Duggar before joining the staff of the Agric. Marketing Service, Cotton Div. Prin. Cotton Technologist. He worked in our laboratory under Federal appointment.

Rubber!! Rubber!! Rubber!!

R. D. Rands is now acting in charge of the Rubber Division while Dr. Brandes is in Africa. Rands is leaving soon for an inspection trip to the Branch station Dominican Republic and perhaps other points.

Ted Grant is in charge of the main rubber leaf blight laboratory at Turrialba, Costa Rica. He reports the work progressing very well with resistant clones a reality and problems of budding, yields, and growth characters crowding to keep them plety busy. He will be back at Beltsville, Maryland for conference in March.

M. H. Langford is back in Washington, Virginia and S. Car. after 3 years in Panama and Costa Rica working on rubber leaf blight. He is working over manuscript reports and rejoicing on the arrival of a new baby born at Mrs. Langford's home in Virginia. He hopes to be at Madison for a week or so before his return to the tropics where he expects to be in Peru or Brazil.

F. L. Wellman is assistant director of the new experiment station at El Salvador, Central America, in cooperation with the division of Foreign Agricultural Relations. Mrs. Wellman works for the Army in the office of Special Service Supplies, Arlington, Virginia.

R. M. Lindgren is still at Ciudad, Victoria Tamaulipas, Mexico in charge of the cooperative rubber project. Francis LeBeau is working with him on rubber diseases. They are especially interested in the Madagascar rubber vine.

M. N. Walker is in charge of the goldenrod rubber investigations in this country, Haiti, San Domingo and Mexico. The hope of much rubber from this source seems to be small, and the project is to be carried to some level of completion June 30. Walker's name has appeared in the papers several times lately in connection with the introduction of the new wilt resistant water-melon "Blacklee" which has been widely accepted for wilt infested soils of the south. He is in Waynesboro, Georgia now attending to some new selections and seed increases.

J. T. Curtis is in Haiti working rubber problems for the Haitian government.

Miscellaneous Notes from Far and Near

W. B. Allington, U. S. D. A. Soy Bean Lab., Urbana, Ill. is assigned to soybean diseases and disease resistance investigations.

H. R. Angell (Ph. D. '28) Canberra, Australia, is still with the Council for Scientific and Industrial Research. He is dividing his time between studies on retting of flax and on "take-all" of wheat. He spends much of his time in Victoria during the flax retting season. (Letter from Ludbrook, Feb. 5, 1944).

Ed. Backus is with Lederle Co., Pearl River, N. Y. working on Penecillin.

Edwin Ball, formerly with Dr. Riker on forestry problems, is now with Lederle Co., Pearl River, N. Y. working on Penecillin along with Backus and others.

E. T. Bartholomew, joint major in botany, is working harder than ever re what makes the lemons act like they do, etc. With the lessening of family cares, Lucille has a war job as an inspector of airplane parts, 48 hours a week. Their daughter, Martha, is doing pre-primary teaching in a Mexican school, and Lois is a sophomore at "Cal" in Berkeley expecting to finish in 2 years. All the family are in excellent health.

Tony Berg for many years Orton's assistant at West Virginia has succeeded in securing a rust resistant strain of red cedar which is soon to be released by a commercial nursery. It is a lot of satisfaction to Dr. Jones to see his boys continuing to do successful research work on "disease resistance." The Wisconsin inoculum is working.

John Carlson, joint major in agronomy and plant pathology, is in the Agronomy Department at Logan, Utah. He is keeping busy with alfalfa work, victory gardens, baby beef raising, a few chickens, and a cow for dependable milk supply. They have a family of three girls and a boy, John, who will be eligible for army service in June and hopes to train for bomber work.

C. N. and Mrs. Clayton, Truck Experiment Station, South Carolina, report the birth of a boy. Congratulations!

Eric T. Edwards (Ph. D. '39) Biological Branch, Department of Agriculture, Sidney, Australia, tried to enlist in the R. A. A. F. but the Department of Agriculture would not release him. At last accounts he was no longer in plant pathology but in a position connected with the release of fertilizers, wire netting, etc. to farmers. (Letter to R. D. Wilson).

Hurley Fellows reports from Manhattan, Kansas. His avocation is craft work with boy scouts. Of his three children he says the two oldest, 10 and 12, are scouts and the 8 year old, red headed.

J. C. Gilman, State College, Ames, Iowa, writes that he and the Mrs. are keeping lonesome house these days as their David is at O. C. S. Army Signal Corps, Ft. Monmouth, N. J. Ruth is in the Science Library at Carnegie Tech. and Ann is at the University of Iowa.

Geo. A. Gries, Conn. Ag. Exp. Stat., New Haven, Conn. He is working on plant pathology problems with Dr. Horsfull.

W. J. Hooker has joined the Plant Pathology staff at Ames, where Bill is working on potato disease problems. He has just purchased a home so the job must look permanent.

Karl Koch, Eastern States Farmers' Exchange, Presque Isle, Maine is doing big things in the potato game. He harvested in the vicinity of three quarters of a million bushels of certified potatoes last fall in Maine and has been indexing new seed stocks in Florida this winter. Karl is doing a good job for the war food administration although in a private, not official capacity. He is now back in Maine for the summer.

Ben Koehler continues with crop diseases research at Urbana, Illinois. They have Donald in New York City (Naval Training) and three girls at home. Their Christmas card showed the family group in a mirror reflection, a novel idea and good.

J. S. McFarlane (Ph.D. '43) Atherton House, University of Hawaii, Honolulu, 10 - T. H. Mac writes to Ken Buckholtz that he is enjoying the palms, flowering hibiscus, bouganvillia, hearts of gold, etc. on the University Campus. The students are mostly of Oriental descent and talk a pigeon English. Wisconsin folks contacted in Honolulu are: Allen, Henke, Linford, Hambre, and Mrs. Bushnell. He thinks the laboratory facilities are surprisingly good but quite a change from the set-up at Madison. He summarizes living conditions as (1) very congested, rents outrageously high, (2) food sufficiently plentiful - particularly tropical fruits, no rationing, prices similar to mainland, (3) transportation - busses adequate during the day but crowded in evening, autos practically unobtainable at any price, (4) recreation - a real problem, a serviceman's town, concentrating on hiking, ping pong and horseshoes. He is boning up on identification of fighting craft, both sea and air.

Floyd C. McIntire (Ph. D. '40) continues with the Abbott Laboratories Waukegan, Illinois. His home address is 1425 North Avenue.

C. J. P. Magee (U. S. June '27) Agr. Museum, George St. North, Sydney, N. S. W. is now Acting Chief Biologist of the N. S. W. Department of Agriculture in charge of plant pathological and dairy bacteriological work, taking the place of Hynes who is now Acting Chief of the Division of Mkt. and Agric. Econ.

I. E. Melhus, head of the Botany and Plant Pathology Division, Ames, Iowa, left February 6 for a trip through Mexico and Guatemala studying the variety, diversity, disease, cold and drought resistance of corn and related plants. Stops were made in Texas and Mexico. This project has been made possible by a grant of

\$15,000 a year for 5 years from the Earl D. May Seed Company, Shenandoah, Iowa. Congratulations! He will be back home in April boosting for potato late blight forecasting service that was so effective last year.

C. R. Orton is Dean of the Agricultural College, Morgantown, West Virginia. He has visited the B. P. I. and State Laboratories in Florida this winter and gave "L. R." a short visit that was much appreciated. Clayton was Prof's first assistant who came with him from Vermont to start the Department at Wisconsin in 1909. He has just read proof on his monograph on "Graminicolous species of Phyllochora on grasses in North America." His daughter, Jean, is married to an army man at Ft. Benj. Harrison; Gardner is a Cpl. in the army at San Bernardino, Calif., and Patricia is a senior in University at Morgantown expecting to try her wings soon.

Robert R. Patron the Argentina graduate student with us in '41 - '42 has just reported his safe arrival in Buenos Aires. He is working as assistant to the Minister of Agriculture.

Norma Pearson, U. S. D. A., B. P. I. at Ann Arbor, Michigan is working on a variety of projects. She was formerly at Beltsville, Md.

Glenn S. Pound, who completed his research work at Wisconsin with Dr. Walker, is now Asst. Pathologist on cabbage and beet diseases in relation to seed production at the newly opened U. S. D. A. Seed Production Laboratory, Mt. Vernon, Wash. Glenn has recently returned from a survey trip on cabbage seed problems in Oregon and California.

Ralph Rawlings is again stationed out of the continental United States. This time probably for the duration. He is attached to an Embassy. He was with the F. B. I. in Arkansas. (letter from J. R. Shay).

C. S. Reddy, State College, Ames, Iowa, recently has been "written up" in the Country Gentlemen. Nothing like a little publicity!

Caroline Lombold, Winter Haven, Florida, is enjoying her retirement from the Forest Pathology Laboratory.

Anita Reinking Sarnet, New Haven, Conn. is in charge of the laboratory for the City Milk Co. Her son is an ensign in the navy and her daughter married to a navy instructor, Pensacola, Florida.

Nevada Evans Schmidt, ^{Wis.} Sarona, R. F. D. She and David are in their usual health and have a lovely cottage on a lake shore. Their son "Schmitty" is attending the Wisconsin School of Mines at Platteville.

W. T. Schroeder, formerly with Dr. Walker and last year in charge of the Kenosha laboratory, has joined Otto Reinking's staff, vice Geo. McNew, at New York Agr. Expt. Station, Geneva, N. Y. Bill and Charmion are busy collecting furniture and rugs to furnish a house on the campus near the Reinkings.

J. Ralph Shay (Ph. D. '43) Arkansas Experiment Station, Fayetteville. His work deals with tomato breeding for wilt and leaf defoliation diseases, spinach diseases and grape black rot. He was married August 7 to Jean Rhode, 1919 University Avenue, Madison. Congratulations!

Fred Smith, who has been post doctorate research fellow on disease resistance with Dr. Walker, left April 1 to join the Biochemistry Dept. at N. Y. Experiment Station, Geneva.

Rose Smith, St. Teresa College, Winona, Minnesota, is giving a 12 weeks special course in biology for nurses.

Walter Snell, Brown University, is doing double duty these days as head of the Botany Department and the Athletic Department. The latter takes most of his time as there are army, navy and civilian groups of students to look after as well as wonder what to do about a \$40,000 deficit because of reduced gate receipts. Their youngest boy lost his life from a submarine attack early in the war, and the other two are in service -- a captain in the Air Corps Weather Division, and 2nd. Lt. Amphibian Command, South Pacific. He has two infant granddaughters at home now which add to the family interests and cares.

M. J. Stubbs was a recent campus visitor. Merle is with the Crites-Moscow Growers, 205 N. Monroe St. Moscow, Idaho. His company produces a lot of seed peas used by Wisconsin canners. His family moved from Madison to Moscow last year.

E. C. Tims is at University of Louisiana, 3381 Lake Shore Drive, Baton Rouge. His son, Eugene, born at Madison, is now in the army.

Edgar F. Vestal, Ames, Iowa is happy to be back in this country from Allahabad, India. War activity reduced the work in India and Emergency Plant Disease Prevention offered an opportunity in U. S. A. Mrs. Vestal and daughter Betty Ann are both attending Iowa State; Betty is a sophomore and Mrs. doing graduate work.

Walter Virgin, now with California Packing Corporation, Sunnyvale, Cal. visited Madison in December.

John R. Winston, Senior Horticulturist, U. S. D. A. Orlando, Fla. Research Station is in charge of fruit and vegetable transportation problems. Winston makes frequent contacts with Dr. and Mrs. Jones during the winter months. Earlier he aided shippers greatly through determining the best temperature and moisture for storage and shipment. Recently considerable emphasis has been placed on the use of diphenyl impregnated fruit tissue wraps for the control of stem-end rot and Penicillium mold of citrus. This method of checking decay has proved quite satisfactory and is now in commercial use.

Diphenyl has also been found satisfactory in checking the development of watery soft rot (Sclerotinia) of beans without impairing flavor. This project is so new that optimum dosage has not been fixed.

FINAL WORD

Keep us informed of changes in family status and addresses. We cannot pass on information until you write. How about a birthday party for Dr. Jones next December 4? Remember he was born in 1864. Everybody should send him a personal card of some kind. Don't forget!