

## OLD TIMERS' COLYUM

The final lap of the traditional school year has unfolded itself before the perspiring multitude. Sometimes one is provoked to wonder just how much aspiration there is along with the perspiration, that is, real aspiration. When students study, why do they study? When they do not study, why don't they study? When they do research, why do they do it? What are the aims, and are the aims merely aims or are they aspirations or are they expirations? It is always a good idea to have something left for the clutch in a race or a contest of any kind. Some runners, wrestlers and other athletes operate smoothly, rhythmically, and effectively; they set their pace and know how much they can demand of themselves. They gauge their strength and husband it for the supreme test. But the rhythm is important. When a fellow is running a race he can't stop along the way to pick too many dandelion pappi; neither can he take time to pick his best girl's bonnet out in the crowds; neither can he stop to pick the pocket of his nearest neighbor on the track because his neighbor hasn't got any pockets. Sustained rhythm is important in many respects, physically, mentally, and--well, add all you want, but do not forget that "form" is just as important in intellectual endeavor as the physical endeavor because "form" means relatively effortless effort with a consistent rhythm that rewards one's efforts without requiring too much effort, and it is always a good idea to have something left for the stretch, even if its a long one.

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Hear ye, Hear ye! "Please extend to those of Aurora, from Mayor LaGuardia and myself, an invitation to attend the New York World's Fair. "The greatest spectacle of all". Fiorella LaGuardia and Leon J. Tyler.

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Sinjin Chilton sends best regards to the bunch--from Pasture Research Lab., State Collitch (Pa. Ditch for University) Penna. "We had a very pleasant week-end visit from Dr. CHILTON, who gave an interesting talk," says Old Timer West Virginia LEACH, before our departmental seminar. Greetings and best wishes for all inhabitants of the T. T."

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Huey BORDERS, Plant Pathology Extension Service, Tifton, Georgia writes that he has been "on the go" constantly, spends spare-time nights in study, and finds his work continually growing more interesting. Huey recently visited with Dr. P. D. Peterson, O.T. with whom cooperative peanut dusting experiments are in progress. Huey has a Bertram pipe with which he would like to startle the Seminar some night. Come on; we will furnish the tobacco.

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G. R. (Godfrey) HOERNER writes from Oregon Agr. College that he had hoped to pay us a visit last winter, but hopes were not realized. How about trying this summer?

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Lee HINES, now stationed at the U.S. Field Laboratory for Tung Investigations, P. O. 112, Bogalusa, Louisiana, made a recent trip in which he visited several Old Timers, including Harry UKKELBERG, Huey BORDERS, Jimmy SEAL, and a couple of other nontottering Old Timers, Hamilton TRAUB and Keith BARPOWS.

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MARRIED: Mary Goddard to Robert C. Steckenrider--since November 1, 1934! At home 312 S. Marshfield Avenue, Chicago.

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Eric G. (Frenchy) SHARVELLE sends regards from Geneva N. Y. Earl J. ANDERSON likewise, from Fargo, N. Dak.

J. Gordon Gibbs, DOCTOR since March 23, 1939, reports that on learning of his new-born doctorhood he "circled round in the clouds for about 24 hours and then made a safe and gentle landing." Sends greetings to T. T., which retorts, "Congratulations!"

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"Isn't Aurora overdue?" Yes, it is, Jimmy WALTER, but here we are, racing to you at Morristown with the news of the phytopathological world! Jimmy takes time from the diseased elms of the present and the healthy elms of the future to express the hope that we are "in trim to get full enjoyment out of a good argument a day." Whatever made him think we argue? Astounding!

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Dr. "Dutch" HARRAR will see you all at the summer Phytopath. meetings at Madison. We look forward to a reunion in St. Paul also!

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Ralph "Lindy", LINDGREN, Ph.D., still "pounding the road more or less regularly" for A. D. Chapman and Co., Inc., sends BEST WISHES.

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Apologies to you all on behalf of our foreign correspondents, who didn't "come across!"

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OUR WASHINGTON CORRESPONDENT REPORTS: Dr. Henry Barker has only recently returned from a State Department mission to San Domingo, which was visited by four experts with a view to determining its suitability as a place of settlement for Jewish refugees. Again in his Colonial home in Barnaby Wood, which can be reached via the woodland windings of Rock Creek park, "Daddy" romps with the F<sub>2</sub> progeny.... A rival F<sub>2</sub> plant is young Brace Rodenhiser, who is being hand-fed by his fond father at supper time. Time alone will tell whether this type of experimentation is justified. If you drop in on the Rodenhisers in Colonial Village, you will find them poring over house plans. The site has been decided upon; it remains only to wonder whether the den, which appears on paper at present, really will be the refuge that papa plans. ....At Arlington, the ingenuity, efficiency, courtesy, and pulchritude of Old Timers was evident: Ebi Lambert has been employing the famous ingenuity largely in lieu of funds in assembling a two-story artificially-cooled cave for his mushrooms, and is also rooting around with truffles; Howard W. Johnson displays his usual efficiency and clearness of exposition as master of all he surveys; Rody is the ever-faithful conveyer of guests; and Cam Lefebvre, while gaining in magnitude, has not lost that attractive aspect which has always been the despair of his sisters. Mrs. Cam, who is new in the fold, adds to the family attractiveness!....Taken all together, or taken one by one, these Old Timers make Washington a very attractive place!

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#### VISITORS

J. B. Demaree, Senior Pathologist, Small Fruit Investigator, U.S.D.A., Beltsville, Maryland.

Wm. Leach, Prof. of Botany, University of Manitoba, Winnipeg, Canada.

Dr. Bob. Cassell, Ph.D. 1938 (Wife and family along but not seen).  
Carbondale Teachers College, Carbondale, Illinois.

W. C. Ho, Plant Pathology Division, Iowa Agriculture State College, Ames, Iowa.

Dr. and (Mrs.) Earl Anderson, Pathologist, North Dakota Agricultural College, Fargo, North Dakota.

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#### HIGH-POWER SALESMEN

E. C. Stakman, L. W. Melander, R. U. Cotter, Don Fletcher, Gill George, and Bill Loegering left the department high and dry for three days to attend

the meeting in Chicago of the State Leaders of the barberry eradication campaign. Stakman spoke on the necessity of complete eradication of the barberries to prevent hybridization of races and on the distribution of physiologic races during the past year, Melander reported on the progress of the eradication program in Minnesota and also suggested several revisions in report forms, Cotter covered new information on barberries susceptible and resistant to stem rust, and Fletcher assured the state leaders of the continuing interest in and support for the eradication campaign by the Conference for the Prevention of Stem Rust which he represented. Melander was toastmaster and song leader at the banquet, working very enthusiastically, especially at the latter assignment.

The Kiwanis Club of Red Wing had the pleasure on April 20 of hearing L. W. Melander speak on barberry eradication and its importance.

Dr. L. Dossdall spoke on "Wild and Cultivated Mushrooms for Home Uses" and "Diseases of Flowers" at the Horticulture Short Course on March 29.

Dr. R. U. Cotter recently returned from Washington where he waited and waited for the barberries at Bell, Maryland, to leaf out and for the rain to stop raining. However everything finally comes to Cotter who waits and the pycnia showed up in fine shape.

Now that we have a beautiful forestry building at Minnesota it seems logical that there should be an arboretum of native forest trees so C. M. Christensen has planted, between the forestry building and the car tracks, about 1500 forest trees representing twelve native species, as a start towards a Minnesota arboretum.

Senores Stakman and Fracker recently made a trip to the land of big oranges, tall mountains, and beautiful senoritas. Rust collections were made beyond Mexico City, even though it took a good deal of looking to find Puccinia graminis in some places. The reports are that one Mexican policeman doesn't take kindly to foreigners but Stakman and Fracker got out of Mexico with their honor intact and went directly to Washington to appear before the Senate Committee responsible for appropriations for the barberry eradication campaign.

For the benefit of those who weren't listening in, we mention that Dr. L. Dossdall gave one of the talks in a series presented by the Minnesota Horticulture Society over radio station WCCO. She spoke on "Diseases of Flower Gardens".

A. G. Tolaas recently returned from a trip to southern United States to inspect seed source test plots at Fairhope, Alabama. He reports the seed to be in fine shape and relatively free of mosaic. From Fairhope he went to Hastings, Florida, where he talked to Dr. Eddins, potato pathologist, and looked over the potato fields in the area.

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#### PERSONNEL

From Australia to Tottering Tower, respectively, WATERHOUSE, HYNES, NOBLE, CHURCHWARD, and now none other than IRWIN WATSON. While at University Farm, WATSON will pursue graduate work in cereal pathology and plant breeding. He is not only a scholar in his chosen field, but also a student of international affairs.

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ARDEW SHERF, who completed his undergraduate work at University Farm last quarter, is now a member of Tottering Tower. Sherf hails from Minneapolis.

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Big ANDY (C. George) ANDERSON, a former Tottering Towerite, recently paid us a visit. ANDY is still pursuing his quarantine investigations at Brownsville, Texas. We are glad to see you, ANDY, hurry back.

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Dr. HART, accompanied by Dr. and Mrs. VALLEGA, recently made a jaunt to southern Wisconsin. While enroute Dr. HART visited her home, and Dr. VALLEGA visited the department of plant pathology at Madison.

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Misses HAMILTON and JOHNSON were recently conspicuous by their absence from 307. Although traveling independently, they both covered several points of interest in the East.

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Matrimony: LEW ALLISON-X-EVELYN MILLER (Bozeman, Mont.), March 17 at Northfield, Minn.

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All present and former inmates of the Tottering Tower will be glad to know that Mr. R. O. BULGER, regional supervisor of barberry eradication, is recovering rapidly from an illness and an auto accident that have kept him from work for some time. He is hoping to be back on the job June 1.

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#### THE SURVIVAL OF THE FITTEST

Universities have many and various functions. Supposedly the chief ones are to create, disseminate, and preserve knowledge. Recently the University of Minnesota honored, by means of a special convocation, those members of its staff who have been longest engaged in furthering these laudable aims. All of those who had been in the employ of the University for 30 years or more were asked to be present on the stage of Northrop Memorial Auditorium, to receive the applause and accept the homage of the collected student body, faculty, and administration. This convocation was not meant merely to acknowledge long years of service in the University, with all that it stands for--far more it was meant to pay tribute to those who have given unselfishly of their intellectual and physical energies to make this university what it has become, one of the foremost institutions of learning in the world.

Two men from the Department of Plant Pathology partook of the honors of this convocation--Dean E. M. Freeman, and Dr. E. C. Stakman. Dr. Freeman founded the Department of Plant Pathology in the Tottering Tower, and for several years he WAS the Department. For several years more he and Dr. Stakman WERE the Department. All of those who have had the privilege of studying under these men know the all-embracing breadth of their interests, the depth of their scholarship, the stimulating quality of teaching, which went far beyond the bounds of mere facts. The thoughts of these men, throughout their years of service here, have been a very potent factor in shaping the lines along which plant pathology now progresses. All of our work is based upon certain broad fundamental principles; the goals toward which even the most practical of us strive are determined by these basic ideas and ideals whether we always recognise them in our daily work or not. Those of us who now are actively researching or teaching or engaged in extension work owe a tremendous debt to such men. This special convocation was born out of the thought that at least the University should, for one short hour, give some tangible evidence that it recognises and appreciates what such men have contributed to its development.

Naturally, the men who were thus honored at the convocation have contributed not only to the University, but to the general commonwealth as well. Scholarship in itself is an ennobling thing, and many of the fine things of civilization, even so mechanical a one as ours is said to be, are based upon it. In these troublous times it is satisfying to know that long and unselfish devotion to scholarship and service and to the good solid virtues that will endure beyond the vicissitudes of politics and taxes still are not without honor.

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#### BOOKSHELF

Old Timers have enriched our libraries as follows: GEMMELL, on Heterodera and THORNBERRY on purification of Nicotiana virus 6 protein, on potato

roots, in March Phytopath.; HOERNER, on hop anthracnose in Plant Disease Reporter 23: 123; CRAIGIE, on economic diseases of field crops, by Econ. Surv. Bd., Manitoba, for February.

R. K. VOORHEES, now at Minnesota, published on two species of Tryblidiella in Mycologia for March-April.

At home, our Dean leads the list of contributors, with "A scientist looks at history" in the March issue of Minnesota History. "Also rans" include LECLERG in the March Phytopath. on a cultural variant of Rhizoctonia solani, DOSDALL on spraying flowers for disease in Minnesota Horticulturist for March, Eide with a revised pest control program for fruits in Minnesota, MELANDER on "Battling the Barberry" in Minnesota Conservationist for April, and last (but not least) STAKMAN, POPHAM, and CASSELL in Agricultura for January-February on their Mexican rust observations of February, 1938. These gay caballeros published in Ferdinand's native tongue, too!

At the Experiment Station staff meeting on February 9, it was reported that Plant Pathology and Botany had received approval for publication during the fiscal year 1937-1938 of 17 papers in scientific journals, 5 in miscellaneous journals, and 3 as technical bulletins.

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#### THURSDAY CAMP MEETINGS

The old "Literature Seminar" book was filled to the far corner of the hind cover on May 4, 1939. It was technically complete April 13, but Stak was sunning in Mexico then, so of course the pickling of the old tome and the christening of a new was postponed. The ceremony, however, may have been something of a blind; the pickling went off later in great shape, but two weeks elapsed before a new book made its appearance.

In glancing over the entries of the first page one supposes a ceremony of sorts attended the inauguration of the old book also. There were but 14 present on May 14, 1931. M. N. Levine; Reiner Bonde; Carl Eide; M. B. Moore; Clyde P. Shumway; Lee Hines; Ta Ching Loh; Ward Marshall; James M. Walter; J. J. C.; Helen Hart; Louise Dordall; C. S. Holton; C. Christensen, accused of signing two weeks later. Later pages carry further names such as G. H. Starr, R. C. Lorenz, Dr. D. Stewart, G. E. Hafstad; R. H. Bamberg, Karl Isenbeck, E. L. LeClerg, A. F. Verrall, and J. G. Leach.

Waterhouse's protegee, Irwin A. Watson, and his brother, who farms a mere 6,000 acres in New South Wales, recently presented an outline of Australian agriculture from the geography of the region to rabbit-control inclusive.

Kittenball elections went off smoothly, steam roller tactics appeared but twice. Enthusiasm was evident, everyone cooperated in the voting, in fact 64 votes were cast for Manager----24 were present.

Stak returned from Mexico with word the rust situation had remained practically unchanged. The mountain roads, he claims, are being improved; there are markers along the edges now. Oranges, this year, only attained a 4-inch diameter.

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#### INFECTIOUS DISEASE ATTACKS SCIENTISTS

Spring came and with it the customary maladies such as spring fever, seminar, and sleeping sickness. Spring fever was somewhat delayed in its arrival this year, but seminar was off with a bang, and, of course, that always brings on a recurrent case of Morpheus seminarius which strikes every Tuesday afternoon. A thorough investigation revealed the fact that the vectors of this dread malady are myriad, abounding particularly in the vicinity of "Tottering Tower". We have been warned of its insidious attack and are taking every precaution in the way of polo shirts, seer-sucker trousers, and white shoes to ward it off.

One of the first vectors to be noticed this season was Milton Kernkamp. He was so active and thorough in spreading information on Recent Developments in the Control of Apple Scab that the whole seminar group became infected. There isn't a one of them that couldn't tell you that no suitable substitute for lime sulphur has been found, and that breeding for resistance to apple scab is showing promise since some of the hybrids have a relatively high degree of resistance.

The next carrier to be noticed was Dudley Preston with a relatively new virus in Recent Advances in the Cytology and Sexuality of the Thelephoraceae and Related Fungi. Everyone became infected, even Miss Dossall, however, there was a marked degree of resistance shown by some members of the group, but Preston prevailed.

After this the vectors became very active. They came by ones and twos, literally swamping us with information. Donald deZeeuw dropped many words of wisdom on the Microflora of Cereal Seed in Relation to Seedling Blight and Root rot. John Vaughn elucidated, very ably, the baffling problems of Developing Beans Resistant to Virus Diseases and the benefits derived therefrom. Thomas King with a very effective and smooth running attack inoculated us with knowledge of the Present Status of Breeding Forest Trees for Resistance to Disease. He admitted that the work is in its infancy but stocks resistant to Endothia parasitica have been imported from China and Japan, which are compatible with the more desirable American species. Also valuable poplar hybrids have been developed which are resistant to Melampsora medusae. With such a variety of vectors and such a fund of information we should have suspected physiological specialization or at least "growth substances" but we did not. We were bracing ourselves for another attack, probably by T. R. Wright on Nectria Canker in the United States, and then it came, i.e., the specialization in the form of F. R. Jones from Wisconsin. He gave us a "Classical" discussion of Alfalfa wilt. In all seriousness, that is just what he did, for his discussion was classical in every respect. He not only told us all that he could think of about the disease, but answered all questions that anyone wished to ask concerning the life history of the organism, isolation and culture of the organism, the present status of the work, and the possibility of breeding resistant strains or varieties. One thing, however, we were unable to find out, the real cause of root rot as it is generally referred to in phytopathology.

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#### SIGNS AND SYMPTOMS

SPRING. According to Eagle, the Plant Pathology weather prophet, the following are sure signs of spring: 1. Plant pathologists start thinking about planting. 2. It snows 2 inches. 3. It snows 6 inches. Assuming that the pathologists were thinking, the schedule worked out beautifully with snow on April 16 and more snow April 17.

PROSPERITY. Dr. Helen Hart has a new black Plymouth coach; Dr. J. J. Christensen a blue Plymouth sedan with gear-shift under the steering wheel, which required some degree of adaptation on the part of J. J. before he got used to it. John Vaughn has a Ford V-8 with a new engine.

ROMANCE. It leaked out recently that Freshman Dorothy Harnala has a diamond ring. Miss Harnala blushed clear into the infra-red. Called on the carpet in seminar Matt Moore made no denials, no comments.

CURIOSITY. March 28. Stak left for Kansas City on his annual pilgrimage to Mexico. The whole department went to the depot to bid him farewell and have a look at the "Rocket", Rock Island's streamline with a red engine. Matt brought Dorothy Ann Johnson and Gladys Saline, got pinched on the way down, and nearly missed seeing the train.

PROGRESS. Voorhees, Preston, Downie, and Watson pass French reading exams. King passed M. S. final and then went to Montana to tell the Only Girl about it.

Sign on the Autoclave: "Please turn on the steam for me and keep one hour at 15 lbs pressure. C. T. Tsiang". Several people rushed to do the job, because, what with the WPA help gone and planting underway, they had nothing to do.

CONFORMITY. J. L. (Chinook) Allison took unto himself a wife on April 17, got to work at 8 a.m. April 18. For devotion to career and tradition, this almost equals the performance of Pewee Wallace and Herman Alonzo Rodenhiser, who were married early Thursday evening and then came to seminar.

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### BALL

This year again the Tottering Tower has been decorated with the laurel wreath. And once again, after the din and smoke of the battle had subsided, there stood Stak ready to laud and perhaps to criticise the players and supporters of the Towerites perennially winning team. But instead of words of cheer or otherwise, the Big Chief came across with a feed embellished with cigars too. Well done, T. Tites, win again next year and see what we get.

This mighty team, under the direction of its famous coaches, cheerleaders, batboys, and waterboy, were able to cross the home plate 75 times as compared to the opponents 12. Results of the games played are:

Plant Path.	24	Agr. Employees	2	Plant Path.	27	Agron.-Hort.	5
" "	3	Animal Industry	2	" "	6	Agr. Eng.	2
" "	15	Biochemistry	1				

and the line up:

Catcher	Bill Loegering	L. short stop	George Hayden
Pitcher	Phil Hamm - Ward Marshall	3rd base	Thomas King
1st base	John Presley	L. field	Norm Borlaug
R short	Andy Downie	C. field	Earle Hanson, L. Schaal
stop	Willie Reichenberg	R. field	Kernkamp, Petty, Preston,
2nd base	Bernard Shema		and Vallega from Argentina

So another season closes and the Tottering Tower again displays its versatility in not only producing good Pathologists but also good Diamond Ball teams.

### TOWER TOPICS

As is usual for the spring quarter, the number of courses offered is much reduced over that of the remainder of the school year. Dodsall is now completing the third quarter of Mycology, which most of you will recall deals with the Basidiomycetes. Carl Eide has part of his spare time taken up with teaching Diseases of Fruits and Vegetables. Clyde Christensen is again teaching twenty-eight foresters what they should know about forest pathology. Ian Tervet is teaching Plant Path I to the forty-nine undergrads. Matt Moore and Carl Eide are co-workers in teaching Principles of Plant Disease Control. Dick Voorhees acts as "pinch-hitter" for Eide in Diseases of Fruits and Vegetables, so the class is well cared for when the potato plots call Carl to the north country. Tommy King and Norm Borlaug assist in the laboratory in both of the undergraduate courses.

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### DOTS THAT SHOULD BE STARS

If you study the map of Canada you will discover 14 dots, each one representing an O.T. who studied in the Tottering Tower. Nine of these hold Ph.D. degrees from the U. of Minnesota, and six have been granted M. S. degrees.

The far eastern dot represents Ira L. CONNERS, associate Pathologist, Ottawa. Mr. Connors did graduate work at T.T. between 1922 and 1925. At Toronto is Prof. Dixon Lloyd BAILEY (M.S. 1922, Ph.D. 1924), Head of the Department of Plant Pathology. Then come the seven dots (not dwarfs) at Winnipeg, the Dominion Rust Lab., Little Minnesota. Here we find J. H. CRAIGIE in charge, M.S. 1925; Margaret NEWTON (Peggy) Ph.D. 1922; Thor. JOHNSON, M.S. 1925, Ph.D. 1930; Frank GREANEY, Ph.D. 1926; B. PETURSON, M.S. 1929; W.F. HANNA at T.T. 1924, 1927-1928; W. J. CHEREWICK at T.T. 1937-38.

Don't forget that G. R. BISBY (Ph.D.1918), now in England, was for many years Prof. of Plant Pathology, Manitoba Agri. College. Now, go west to Edmonton, Alberta. There you will find another Minnesota settlement A. W. HENRY, (Ph.D.1923) Prof. Plant Pathology, Univ. Edmonton; G. B. SANFORD (M.S. 1923, Ph.D. 1925), in charge of Dominion root-rot Lab.; W. C. BROADFOOT, (M.S.1925, Ph.D. 1932; M. W. CORMACK Ph.D. 1936; L. E. TYNER Ph.D. 1939. On June 17

Mr. TYNER will receive the degree of Doctor of Philosophy, the highest earned degree granted by the

U. of M. We are proud

of him, and of all

our former

Canadians.

(Tyner, where is that write-up?)

