

OLD TIMERS' COLYUM

Work and Research

No one should delude himself into thinking he is doing research if he is only working. Work is necessary and praiseworthy if it is productive and useful. But work alone is not enough. There is a vast difference between description and discovery. Any one who is content merely to accumulate data need not delude himself into thinking he is doing research. Research is searching and re-searching as many times and as long and in as many different ways as necessary to discover new truths--facts, methods, principles. Occasionally new truths are discovered accidentally or incidentally, but usually they result not only from hard and persistent work but also from hard, sound, clear, persistent thinking.

Original thoughts--new combinations of facts, ideas, concepts--may sometimes flash into the mind, but even a flash usually has some substantial basis. And the sudden inspirations of thought usually are not spontaneously generated from nothing; they are more likely to result from stored facts and ideas that suddenly combine in the right way after many previous attempts to find the right combination.

Facts can be the building stones of thought, but a person is not an architect merely because he hauls, piles, or breaks stones. And many haulers, pilers, breakers, and hoarders of facts do no architectural work with them. Many rock crushers don't know what it is all about and neither do many fact crushers. A mere builder may do a good job in carrying out the plans of an architect, provided everything is clearly specified and blue-printed. And many alleged scientists need some one to make blue prints and specifications for them. But a real scientist, a real researcher, rolls his own--he is creative in his thinking. Two statements recently heard: "He is a good worker but I don't want him in my organization; he doesn't think enough for himself--no new ideas--just a good drone." "Why don't I get some place faster; I work as hard as anybody?" Well, how about working and thinking and thinking and working. There are plenty of drones and plenty of dreamers but all too few creative thinkers. Work and think and think and work!

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Dr. Liang HWANG arrived safely at Liuchow on June 18, which he reached with Mrs. Hwang after a slow and arduous trip from Hong Kong via Indo-China. He will have charge of fruit, sugar cane, fiber crops, forage and vegetable diseases. Other projects are taken care of by Dr. LOH.

LOH, after a chat with Dr. Hwang on June 27, states that "I already have renewed quite a bit of my memory concerning my friends of the Tottering Tower...If you are familiar with the faculties of this Station, most of us were graduates of Minnesota. Two agronomists, Siao and Hsu, worked under Dr. Gortner, and Yen and Liu worked under Dr. Riley. So actually we can hold a Minnesota reunion in the Far East. I guess I am going to start this soon when I have some leisure." May the F₁ hybrid flourish!

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AURORA was glad to hear from Dr. M. N. KAMAT, of Bombay, if only briefly. Please send us more news about yourself and your work, Dr. Kamat!

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On July 22, enroute for Argentina, Dr. and Mrs. José Vallega set forth from St. Paul, for the Pacific Science Congress at San Francisco, in "Cherry Bounce" the trusty Model A with cherry wheels. On August 12, "close to the longest bridge in this world and neighbor worlds," Sr. Vallega wrote in part as follows:

"..Now I will tell you some news about California and my 'new car' but please do not read this letter till 10 o'clock, because I like that M. Moore have a chance

to hear the news...Of the Pacific Science Congress..of course I made the best speech..yes..nobody understood me, and the reason is that the Californians do not know enough English. They call my car 'auto'.With respect to Cherry Bounce..the legs continue in perfect condition, he came limp only one time, also he make a little more noise than before, but it is because he like the people to note and look at him. Nevertheless there is no question that his heart does not work so well. I do not know what happened, but I suspect that he fell in love with a 'nice young girl-Plymouth-car'...However, I hope that he wait a little more before getting really sick...California is a very nice place but there are more lakes in Minnesota.. I counted them several times. However, heterocaryosis is more common here than in the Lake State....Hasta Pronto, Health and Dollars!"

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Dr. and Mrs. Earl J. ANDERSON said farewell fleetingly enroute from Fargo, N. Dak., to Honolulu, T. H., where Anderson will be pathologist at the Pineapple Experiment Station. With leis around their necks, he and WISMER can laze away their days!

Perhaps, however, we wrong WISMER, for he writes that "some of us here at the station played four (kittenball) games and very fortunately won all of them, even though I was playing right short."

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Regards come from Dr. German GARCIA-RADA, of Lima, Peru, who is at present occupied in drawing up a program on flax growing for his country.

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Old Timer Dr. Freeman WEISS confesses, with evidence in writing, to advising one of our own Minnesota growers regarding the dangers of buckthorn in Iowa, but most suitably--this is just what we would expect of Diplomat Weiss--refuses to commit himself concerning the local practice in this State, referring the question to the Minnesota Station!

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Large luscious peaches, var. G. H. Hale, which were dispatched by H. H. "Thorny" THORNBERRY on August 11 from Urbana, Ill., for "social and not for experimental purposes" dripped sweet juice into the grateful jaws of Tottering Towerites. Thorny says further, "It is a pleasure to remind the people there, some of whom I may not know, that I continue to think about them." Thank you, Thorny, for the peaches and for the thoughts!

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Harvest in Louisiana was delayed by rains, according to Dr. E. L. LeCLERG: and we gather from his letter that three mss. left at Minnesota on his departure for the South have been delayed also. "But in this predicament," asks the sub-editor of this column, "can't you feel the sympathy that is streaming toward you from all over the country?"

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"To those who currently drink at the foaming fount of Phytobrickhaus tremuloides" come regards from Dr. Eric G. SHARVELLE, now at New Haven, Conn. Hopes are expressed that the F₁, Derek, will graduate from the class of '60 at Minnesota. "Judging from the accumulation of good earth which he daily acquires he obviously has agricultural leanings. No doubt a future soils man?" (Reader: See prognosis for Jane F₁ Wallace)

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Recently-departed Thomas LASKARIS is now established at the New York Botanical Garden. He has had a visit from O. T. Fred DAVIES and looks forward to one from CHILTON. Since Laskaris' departure there has been keen competition in Seminar for the honor of making the motion to adjourn.

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Best regards are sent to AURORA by Dr. R. H. BALBERG, in the midst of his wheat-fields; by Dr. Reiner BONDE amidst his potato plots; and by Dr. R. C. CASSELL on the eve of a month's vacation after his first year of teaching at Southern Illinois. We learned indirectly that Dr. Cassell is now Associate Professor. Congratulations

from us all, Old Timer!

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Several Old Timers were good enough to drop in on us, but all too briefly! Gordon C. CURRAN, he of airplane fame in the early days of spore trapping, spent a few minutes with us on July 5. Glenn KenKNIGHT was seen in the vicinity. Rosemary McLEOD stopped in on a Saturday morning, when the five-day-week people were not working; and Mrs. (Helen Pearson) Davies visited around to show us how a lady of leisure lives. No signs were detected in either of these fashionable young ladies of anything but improvement since their departure! Also on a Saturday morning came Dr. J. H. CRAIGIE, on his return from the Pacific Science Congress. And from Wyoming came the three STARRs, George H., Mariel, and Bobby. It was a pleasure for us who were fortunate enough to be here to see all these Old Timers, and those of us who missed you hope that we will be here when next you come our way! Other Old Timers, who came on business, are mentioned elsewhere.

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Activities of N. E. BORLAUG, in Forest Service Camp No. 13, at Ashburnham, Mass., include supervising road opening, brush piling, emergency fire-fighting, week-end trips to nearby experiment stations, and, as a side line, observations on root development in the white pine areas affected by the hurricane. Borlaug also tries to study German and still has time for diamondball and baseball!

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Dr. James M. "Peewee" WALLACE spent his vacation in Minnesota and presented his results on acquired immunity before the Seminar. Old Timers were glad to see him, and New Timers, after one glance at his broad shoulder, were heard to ask "Why do you suppose they called him Peewee?" After presenting his results to the Pacific Science Congress, where he also had opportunity to renew acquaintance with Old-Timer CRAIGIE, Dr. Wallace is once more hard at work in Riverside, California. He is of the opinion that the F₁, Jane, "is going to be a Botanist, as she loves the soil and flowers." (Reader, cf. Pere Sharvelle re Derek)

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Greetings to the Gang came from Dr. P. D. PETERSON, who informs us he read two issues of AURORA from cover to cover. With all who are interested he will argue lime sulphur vs. the wettable sulphurs, in favor of the latter or the former, as the case may be. Of his prowess as an arguer there is no need to remind any one who knew him. He says, "I manage to keep busy with work along the East Coast and along the Gulf Coast, extending over into Texas. Should potato psyllid continue to devastate potato fields in the Rocky Mountains and Great Plains section, however, it is probable that the problem will call for some of my personal attention. Don't be surprised, therefore, if I should drop in on you prior to planting time next spring." We look forward to a sulphurous reunion, Pete!

SIGNS AND SYMPTOMS

The gentle reader probably never noticed it, but Signs and Symptoms was absent from the last AURORA. The reason was that there were too many signs and symptoms on the flora of Minnesota this year, and we couldn't let the taxpayer down even to write for AURORA. Most of the apple trees which suffered sunscald in early 1936 are now apparently dead, but this is about the only complaint which seems to have diminished this year.

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Matt MOORE has been married over a month at present writing, and his associates have been watching him carefully for signs of fattening up, which normally occurs after marriage. However, Matt says he expects there will be a little lag phase before his "curves" begin to look like the one Leach used to draw for the class in Bacterial Diseases.

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Man Mountain Henson, observing the approach of a day of reckoning in the near future, has been diligently applying himself to the acquisition of knowledge.

Tom GRAHAM has also been looking toward a prelim. soon.

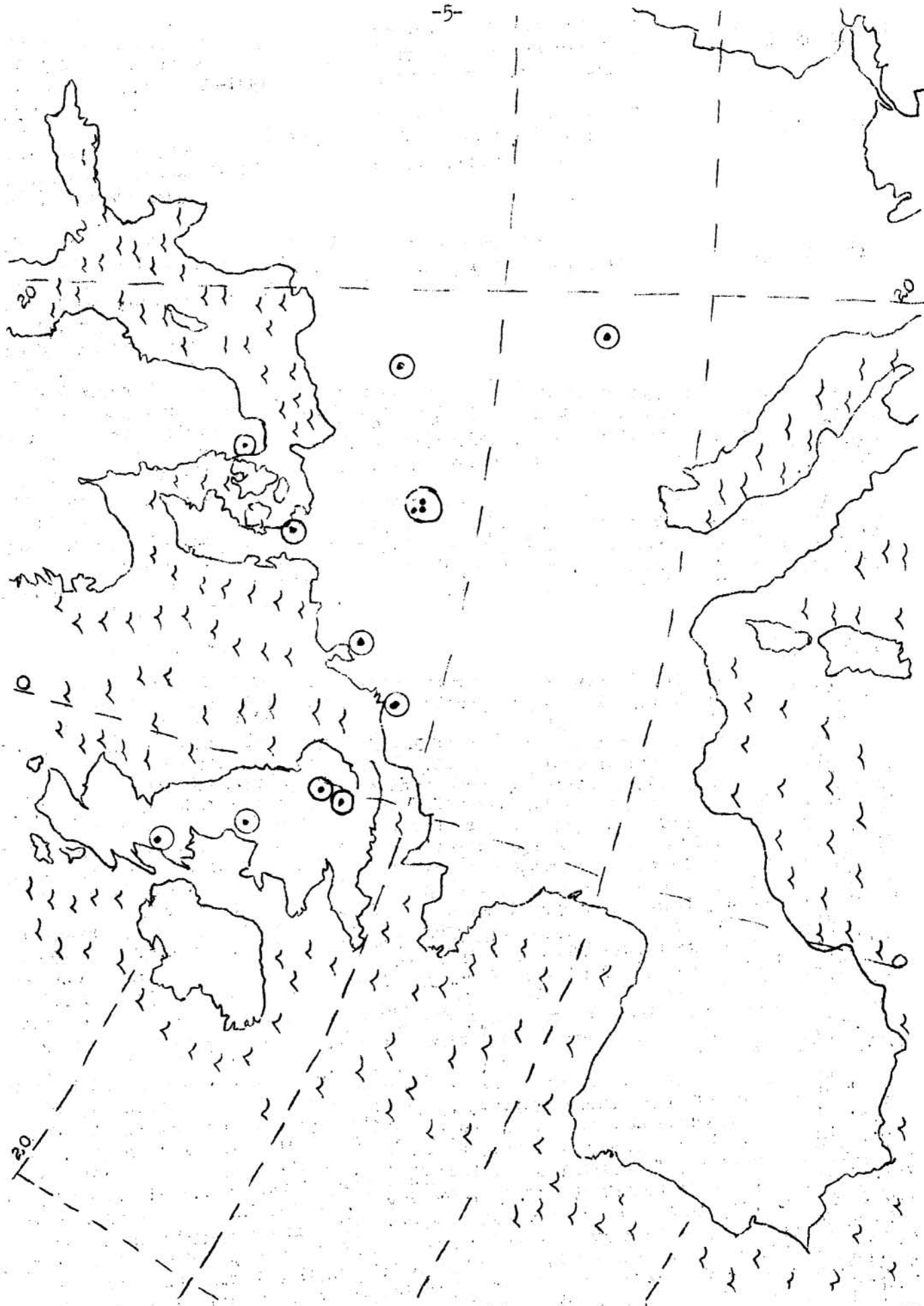
Right now the Tottering Tower is drowsing in the slack season that comes in the middle of the big annual turnover, after a lot of embryo scientists have ventured forth and before a crop of new ones come in to clutter up the place.

DISTRIBUTION OF OLD WORLD OLD TIMERS

AURORA regrets the possible inaccuracy of this map but, because of war, some of the Old Timers mentioned may have changed their addresses. Indeed, Poznan in Poland where Karl Zaleski has been stationed is presumably in the latest actual war zone. Table 1 gives most of the pertinent information regarding the European ex-T. Tites.

Table 1. Distribution of Old Timers in Europe. September, 1939.

Old Timer	Vocation	Resident of T.T.	Most recent address
Bela Husz	Mycologist and Pathologist	1924-25	Alkotas u. 13. V. 7 Budapest I, HUNGARY
Karl Zaleski	Mycologist and Pathologist Potatoes, sugar beets, bacterial diseases	1930	University of Poznan Laboratory of Botany and Phytopathology Solacz-Dwor Poznan, POLAND
Olof Tedin	Cereal pathologist and plant breeder	1926	Plant Breeding Station Svalof, SWEDEN
Martin Schlegendal	Cereal pathologist, now with forage crops.	1937-38	Landwirtschaftliches Institute (?) Kiel, GERMANY
Karl Isenbeck	Cereal pathologist, also teaches biometry	1930	Pflanzenzucht Station Julius Kühn Str. 28 Halle-Saale, GERMANY
Kurt Hubert	Advisor in agriculture	1932-33	Mötzlichers Str. 4 Erdg. Halle-Saale, GERMANY
Johanna Becker Rasts		1936-37	Institut für Pflanzenbau und Pflanzenzüchtung Universität Halle-Saale Halle-Saale, GERMANY
S. J. Wellensiek	Tea pathologist formerly in Java	1926-27	Plant Breeding Institute Wageningen, HOLLAND
G. Verplancke	Potato and vegetable diseases, especially virus and bacteria		31 Ledeganckstraat Ghent, BELGIUM
G. R. Bisby	(Originally potato pathologist) now mycologist--soil fungi, dis- tribution of fungi and general mycology	1916-1920 *(Ph.D.1918)	Imperial Mycological Institute Ferry Lane Kew, Surrey ENGLAND



Sidney Dickinson	Genetics of smuts and fungi imperfecti, now a uredinologist 1931-32	School of Botany Cambridge University Cambridge, ENGLAND
Jack Western	Oat smuts, forage crop diseases and now Advisory Botanist 1935-36	Botany Department University of Manchester Manchester, ENGLAND
Alan Gemmel	Diseases of grasses, now eradicator of potato eelworm 1935-37	Department of Plant Husbandry The West of Scotland Agr. College Auchencruive, By Ayr. SCOTLAND

* G. R. Bisby was the first graduate student to receive a doctor's degree after the Big Chief became head of the Section of Plant Pathology. It is a tough job for more recent graduate students to maintain the standard set by the first graduate student.

We would like to hear frequently and abundantly from all our old timers, and it is topical that two of them should have written us recently. Here are their contributions, one from G. R. Bisby, an old timer of long ago, and the second from Jack Western, one of the most recent of old timers.

August 14, 1939

Dear Aurora:

"Regards from Kew (I always get Aurora, etc. addressed to Kew Gardens, but the IMI is a distinct institution planted beside Kew Herb. and Library for convenience).

"Recently I have had the last list of Ph. Ds. from Minn., and see (rather to my surprise) what an old timer I am. Ph.D. 1918, next (chronologically) to E.C.S. And I remember many an adventure of those far-away days 1916-1920 at Minn. I unintentionally came to St. Paul under false pretenses. I was supposed to be a budding phytopathologist (potato), and I really thought that was my line when I found the salary offered to wangle me from purer (?) mycology at Purdue. As soon as I arrived Stak (who liked to travel then) took me on tour by R.R. over Minn. to see potatoes. The detail of that first trip that remains clearest (ahead of the thrilling memory that we arrived at Grand Rapids or somewhere at about 2 a.m., and had to leave by the same train just 24 hours later) is the finding of an *Alternaria* on *Amaranthus* in a potato field (I don't know yet whether or not it was *A. solani*). Those were pre-auto-days for the masses (although the reckless Stak got one about that time. What an engine that Ford had! Or was it that Stak, like the true professor he is, forgot to lubricate the works? But certainly Dr. (and, presently, Mrs.) Stakman were then as now the soul of generosity to everyone.

"But my happy reminiscences of Minn. would fill too many tiresome and inaccurate pages. In 1920 I departed for Manitoba, still under disguise as a Pathologist. Man., like Minn., is a glorious vast spot. But (as illustration of the lack of competition and scarcity of any real talent in those days) I was appointed to the infant Imp. Myc. Inst. at Kew in 1921 by Dr. (now Sir) E. J. Butler in a moment of desperation. The youngsters who may read this can scarcely imagine the thrill I had at this opportunity to go to Europe, which was then many miles away. They may also find it hard to believe that I enjoyed England and a trip on the Continent. And I must admit that after a few months I began to yearn for the wildernesses of North America. Manitoba let me come back, and (wisely) allowed me to devote more and more time to plain mycology, so splendidly initiated in Western Canada by Dr. Buller. But the old

British germ had gained a foothold; I came back now and then, for weeks or months; I even managed to get an excellent wife with a British passport. And now for 32 mos. I have revelled here in hard work on the purest of mycology--with no teaching.

"We have many visitors from everywhere, but too few from Minnesota.

"The climate here is perfect, in the sense that the element of uncertainty makes a climate interesting. Some days in Jan. or Feb. are too warm; many days in July or Aug. are too cool. We even had the unusual occurrence of a week with snow on the ground last winter. The usual minimum is 35° (any month) the usual maximum is 70° (any month).

"Best regards to everyone ever!"

E. R. Bisby

The Rake's Progress--Time Marches On--Or What You Will?

"The Big Chief has asked me to crash into the columns of 'Aurora' once again with a little piece on matters connected with my old and new work. It gives me great pleasure to be invited to contribute to our unique periodical but I do not intend to write an autobiography and will confine myself to brief notes on three institutions, the University College of Wales, Aberystwyth; the University of Manchester and what is known in Britain as the "Advisory Service".

"The University of Wales is divided into four constituent colleges located at Aberystwyth, Bangor, Cardiff and Swansea. (They must be placed in alphabetical order since no implication of precedence then occurs!). Aberystwyth and Bangor both have agricultural departments and college farms while the former is also the home of the Welsh Plant Breeding Station. At Aberystwyth students intending to study Agricultural Botany (which of course embraces Plant Pathology) have to pass annual examinations in a number of pure science subjects and for this purpose they are enrolled in the appropriate departments in the main college. Our fourth year Agricultural Botany people must have completed three full years in the department of pure Botany. The Professor of Agricultural Botany is Sir George Stapledon who also holds the post of Director of the Welsh Plant Breeding Station, an institution devoted to pasture research and the breeding of improved strains of forage plants. Quite a number of ex-inmates of the Tottering Tower have visited us here and I have no doubt that the President of the Seminar will be able further to enlighten those who have not. Mycology is in the hands of Miss Sampson and Mr. D. Walters Davies while my own work was primarily concerned with the nature and distribution of the diseases of forage crops.

"It is with extreme diffidence that I write of Manchester University since I am as yet still a stranger to it and my remarks must, therefore, be of a general character. It is one of the largest provincial Universities in Britain as is only fitting for a city which has played such an important part in our industrial and political history. The University was founded in 1880 and has two chairs of Botany occupied at present by Professor J.M.F. Drummond, who succeeded Professor F. E. Weiss, and Professor W. H. Lang, who is Barker Professor of Cryptogamic Botany. There is no department of agriculture as such, but there is an Agricultural Advisory Department which brings me to the Advisory Service in general.

"The Advisory Service in Britain is partly equivalent to the American Extension Division but is not organized in quite the same way. England and Wales are divided up into a number of 'provinces', each controlled from an advisory centre which is stationed either at a university or an agricultural college. Both Aberystwyth and Manchester are such centres and each has advisors in Economics, Chemistry, Entomology and Mycology (or Agricultural Botany). There is a central pathological laboratory at

Harpden near London, which serves to link the various entomologists and mycologists together and circulates monthly and annual reports to them but which exerts no direct control over the work programmes in the different provinces. The duties of an adviser are to "advise" on any problems submitted to him from farmers and growers in his area, and also to carry out research on specific problems of practical importance locally. He may also be expected to give lectures to farmers and students as occasion demands. The advisers are really specialists who are available for consultation on specific questions in their own subjects and the more general agricultural instruction is given by the county organizers who are officers appointed by the County Councils. The advisers are appointed by the university or college concerned.

"The province to which I have been appointed consists of the counties of Lancashire and Cheshire and includes both agricultural and market gardening regions. The work should be interesting and plentiful and I am looking forward to an opportunity of introducing to it, in person, any travelling Old Timer.

"This is a very sketchy outline of my appointed subject but it will fill quite enough Aurora space. I should like to send, via Aurora, best wishes to all of my friends and ex-residents of the Tottering Tower. May she totter but never fall!"

J. H. Western

VISITORS AT T. T.

Old Timers

Olaf Aamodt, Washington, D. C.; E. Anderson and (Mrs.) on way to Honolulu; Phil. Brierley, Beltsville, Md.; Henry Darling, Fairhope, Ala.; H. Flor, Fargo, N.D.; Miss F. Haglund, Cannon Falls, Minn.; K. Krietlow, Baton Rouge, La.; H. Rodenhiser, Washington, D. C.; G. Starr, (Mrs. and Big Son), Laramie, Wyo.; C. Shumway, Cambridge, Minn.; J. Wallace, (Mrs. and daughter) Riverside, Calif.; also Helen (Pearson) Davies and (Miss) Rosemary McLeod.

Other Visitors

Prof. Aker, Istanbul, Turkey; H. Borst, Zansville, Ohio; J. A. Clark, Washington, D. C.; A. C. Dillman, Washington, D. C.; H. A. Edson, Washington, D. C.; J. Ehrlich (and Mrs.), Moscow, Idaho; H. Harlan (Mrs. and also Miss Griggs), Washington, D. C.; L. L. Harter, Washington, D. C.; H. B. Humphrey, Washington, D. C.; P. H. Hope, Mexico City, Mexico; H. E. Morse, Bozeman, Mont.; H. C. Murphy, Ames, Iowa; Art Peterson (B. Econ.) Washington, D. C.; W. Popham, Washington, D. C.; K. Quisenberry, Washington, D. C.; A. M. Schlehuder, Bozeman, Montana; Mr. Trumble, Waite Institute, South Australia; Mr. Wager (South Africa) now at Riverside, Calif.; R. C. Wright (and Mrs.), Washington, D. C.; W. J. Zaunmeyer, Beltsville, Md.; Neil Stevens, Urbana, Ill.; Wallace Butler, San Antonio, Texas, G. F. Weber, Gainesville, Fla.

BOOKSHELF

Old Timers have enriched our Bookshelf as follows: D. J. Blaisdell on a culture-tube label, I. L. Forbes on Puccinia coronata in Louisiana, and J. M. Wallace on curly-top tolerance in tobacco, in the August PHYTOPATHOLOGY; also abstracts presented at the February meeting of the Southern Division, by Barker, Ezekiel, Person, and Presley. E. B. Lambert has put out a mimeographed article on truffle orchards (Fancy!), and R. Bonde is author of Maine Bull. 396 on bacterial wilt and

soft rot of potato. Mary Goddard has published on variation in *Gibberella* in Ann. Mo. Bot. Garden for April.

For work done at Minnesota, see J. L. Allison on *Septoria*, John T. Presley on *Phymatotrichum*, and M. F. Kernkamp on *Ustilago zeae* in June PHYTOPATHOLOGY; see also the July issue for two articles by E. L. LeClerc. Extension folders have been issued by C. J. Eide on apple fire blight and by R. C. Rose on spraying and dusting potatoes. *Zeitschr. f. Pflanzenkr.* 49: 449-481 contains Hanna Becker and Helen Hart on "Das Auftreten und die Verbreitung von Gelbrost im Ostharz und den daran angrenzenden Weizenanbaugebieten."

SPORTS

Sports reach a low ebb for inmates in the Tottering Tower during the summer months. Perhaps all of us feel as Eide does--when you feel like exercising, just sit down until the feeling goes away.

Direct participation in sports this summer has been limited to golf playing by a few of the more ambitious members such as Tommy King who has managed to get in a round or two almost every week-end. King plays in the low nineties which is pretty good golf for a busy scientist.

C. T. Tsiang, away now on an extensive trip, has been seen gambolling on the tennis courts several times this summer.

As fall comes closer, Football looms on the sports horizon. Bernie Bierman has been singing the blues about the woeful prospects for the Minnesota Gophers this year, but in spite of that there seems to be a promise for a faster better offensive team than the last year's Gophers. There will be a fast backfield with Van Every and Franck as a nucleus and this will be supplemented by some untried but promising sophomores and juniors. The line will be faster than last year's but probably be lighter. On the whole, a faster more open offensive type of football can be expected from the 1939 Minnesota team.

MINNESOTA PERSONALS

Vacations

This is vacation time in the garden spot of the world (editor is not a member of Civic or Commerce Association).

Dr. Eide and family went north to fish and enjoy the scenery but the lakes were too rough and the trees obstructed the view. He concluded his vacation in the wastes of North Dakota where the view is unimpeded and the lakes are few and far between.

Matt Moore also went on a fishing trip but returned home hooked. The marriage ceremony took place at Cloquet, August 11, and the blushing bride was Miss Dorothy Harmala, formerly of the Potato Certification Office and more recently a student at the University of Minnesota. Good luck and best wishes to the newly-weds.

Miss Saline took a trip to New York where she visited the World's Fair. Other visitors to the Fair were Mr. Watson and Mr. Tsiang.

Miss Hart spent her vacation zipping back and forth between her home in Wisconsin and the scenic beauties of northern Minnesota. The zipping was done in that new Plymouth.

Tervet states that he spent a very pleasant vacation beautifying the landscape around his home.

Dr. Levine and family motored thru Ontario, Canada, and down thru the New England States and thence back to Minnesota.

Cotter (Dr. Ralph Ulysses) went on a fishing trip. He reports that fishing is good and he still has some fish left as evidence of his trip (Eide please note)

Dr. Clyde Christensen spent a few weeks at the University of Columbia helping write a manuscript on the general subject of the Production of Organisms. Shortly after his return from New York he again packed his valise and was off to Itasca State Park to teach Forest Pathology to the students of the summer Biological Station.

Departures and Arrivals

"Pepo" Jose Vallega, after nearly one year at Minnesota, returned to the University of La Plata in Argentina by way of the western United States, San Francisco and Los Angeles, Panama, Chile, and the Andes mountains.

Dudley Preston entertained his mother in July and let her compare Middle Western scenery with that of the Pacific Northwest, while Ted Wright showed his parents how the middle west differed from the eastern states.

Normal Borlaug accepted a position with the Forestry Service. He is now located at Ashburnham, Mass.

"Axel" Laskaris passed his prelim. and is now working on diseases of ornamentals at the New York Botanical Garden. Dick Voorhees did the same with his prelim. and immediately set forth for the sunny climes of Florida with his wife and small daughter. Milton Petty with his prelim. completed, returned to his Alma Mater, Southwestern Louisiana Institute, to join the biological staff.

Another new Old Timer is J. Lewis Allison. He is now at Louisiana State, taking up where Atkinson left off.

"Bob" Atkinson took over E. J. Anderson's duties at North Dakota State. Anderson accepted a position with the Pineapple Growers Association in Hawaii.

The only new arrival thus far is Weston Martin. Hails from Louisiana; B.S. at Southwestern Louisiana Institute, M.S. Louisiana State.

We regret to announce the untimely death of Mrs. L. Schaal. The entire staff and all of Mr. Schaal's friends extend their deepest sympathy.

PUBLIC SERVICE

A. G. Tolaas and C. J. Eide spent from August 20 to 27 driving about the potato areas of the state observing disease conditions and disseminating the "glad" news concerning the prevalence and danger of bacterial ring rot. Eide says that he and Tolaas tried to attend two meetings every evening besides a half dozen or so during the day. They reported that grasshoppers and drouth around Crookston have been worse than at any time in recent years.

Tolaas spoke on growing better certified potatoes at the Annual Meeting of the Bemidji Arrowhead Marketing Association on Sept. 14. We are sure that he gave the

best information available.

State Fair has just passed us by with the barberry office arranging the only display from T.T. An entire booth was arranged in the Agriculture Building where "Spike" Stewart and Ward Marshall explained the differences between the common rust spreading barberry and the Japanese barberry using living bushes as demonstration material. The walls were covered with signs telling of the damage that can be done by rust. An ingenious device in the center showed rust spreading from a barberry bush to a nearby wheat field and gradually infecting greater portions of the field until by harvest time the wheat was all destroyed.

J. J. Christensen, I. W. Tervet, M. B. Moore, and E. Andrews attended a field day at the Morris Branch Station.

E. C. (Chief) Stakman talked to the farmers at the Crockston Field Day on disease problems emphasizing rust on wheat.

Tervet has been keeping in close touch with the Green Keepers Association.

R. C. Rose reports that for the second time in eleven years an epidemic of late blight has developed in Minnesota, especially in the eastern half of the state. A spraying experiment in Carlton County effectively controlled late blight. The new potato variety, Sabago, is proving quite resistant to the disease. Bacterial ring rot has been generally present over the state, mainly in the western part where it is doing a good deal of damage. He also reports that barley scab has been quite destructive in south central Minnesota.

EVENING SEMINAR

The gatherings of the clan have proceeded this summer with their accustomed regularity and little change in form, except that Petty no longer trips lightly up the stairs at 10 o'clock with coffee pot and tray in hand. Wright does the tripping now.

Speaking of stairs, the better part of one of such evenings was spent in discussion of a new building! It seems there is a possibility of a Field Crops Building to be erected at the base of the hill north of the present Agronomy site to house the followers of both Stak and Hayes. There will be much rejoicing if and when completed.

Messrs. Watson, Hanson, Laskaris, Preston, and Hensen obligingly reviewed the lives and works of E. O. Jordon, J. J. Taubenhaus, G. F. Clinton, M. A. Howe, and R. Falck respectively during the course of two other seminars.

The European situation being of such prime importance, a meeting devoted to that and allied topics was not amiss. Stak treated us to an excellent review of causes and conditions as a starter, thence went into the origins of nationalities, and we wound up with an analysis of the ancestry of those present. The most any could claim was a mixture of four nationalities, but Stak admitted about eight. Perhaps there is something to this hybrid vigor business!

Krietlow, here from Louisiana on a bit of a vacation, let us in on some aspects of the Bean blight work, and the same night Allison precipitated an argument on the longevity of dew that would have reached the proportions of the "Chinook Incident" had it not been nipped in the bud, as it were, by his untimely departure for Louisiana.

Watson, veritable fountain of information on any matter Austryalian, presented at another seminar "Some Aspects of Australian Agriculture".

The potato disease situation was brought up to date by Eide some time later. The "Past Acting Head" with specimens and photographs covered the more important diseases, and in response to numerous questions dealt with some of those of lesser importance. However, Bacterial Ring rot drew the most interest. R. C. Wright, B.P.I., paying us a timely visit, presented the potato situation from the shipper's point of view. He called attention to the fact that they not only have the diseases but loss of quality also as a result of improper storage.