

OLD TIMERS

At Cap and Gown Day convocation at the University of Minnesota on May 24, 1956 the first recipient of THE ELVIN CHARLES STAKMAN AWARD was announced. We are more than happy that an Old Timer was selected as the first awardee: Dr. W. L. WATERHOUSE, Professor Emeritus, Sydney University, Australia. Warm congratulations to you, Dr. Waterhouse!

Perhaps everybody knows that Dr. Robert ZABEL is head of his department at the New York School of Forestry at Syracuse. Our informant says "probably since July of 1955".

Hosni A. R. MOHAMED, after his return to Cairo, Egypt attempted to get in touch with other Old Timers but found that Dr. Tewfik HAK was in South Africa in June and that Dr. Ismail IBRAHIM of the University of Alexandria was "usually out of town". Mohamed is breeding wheat and barley for rust resistance.

"Glasgow-born man is top scientist at U.S. centre," headlined an article in the Glasgow Evening Times of September 6 about our (?) Ian W. TERVET, who shyly hangs his head in the accompanying picture. "Deputy Commander for scientific activities at the U.S. Army Chemical Corps' No. 1 scientific testing centre, located in America's 'Wild West,' . . ." refers to Dugway in Utah. Age and other intimate data on our former staff member follow--available on presentation of proper credentials.

Frank delPRADO is now in the U.S.A. for 3½ months for study under ICA auspices, has traveled in the east and southeast, spent September in Florida, and will see you all at the Phytopath meetings in December.

At St. Peter, Minnesota, on the farm of "Tooty" ANNEKSTAD, there was a jolly old reunion of Plant Path secretaries, former and still present--Rajah (Haik) KOLB, of Minneapolis, Tessa (McNeely) FLOWERS, of St. Paul, and Laura HAMILTON, who hasn't managed to get away from the Department yet. In a whole day

there wasn't time to revive all the good recollections. Later in the summer Tessa reported that she was moving to Casper, Wyoming, where her husband will do legal-insurance work.

On July 10, W. E. "Sax" SACKSTON reported by telephone from the Minneapolis-St. Paul airport that he and his family were enroute for Uruguay, where he will spend a year on sunflower diseases.

BORN, August 10, Ruben Frank to Mr. and Mrs. F. A. del Prado of Surinam.

In late September, new Old Timer Sheodhan SINGH reported safe arrival in New Delhi, India with his new Ph.D.

M. J. "Mike" DALY, of Nebraska, is said to have another boy. This has not been confirmed by the father.

Since July 10, R. G. ORELLANA arrived from Costa Rica in Colombo, Ceylon, to work on cacao diseases in the Technical Assistance Program.

On return to his home in Elvas, Portugal, another new Ph.D., J. Carvalho Santiago (we called him "Santiago" here, altho his papa's name was CARVALHO) was able to see his countrymen with new eyes, comparing this and that with customs and people here. Politely, of course, the decision seemed to be in our favor, but we know how to read between the poetic lines of these fancy flatterers!

John and Catherine GIBLER announced the birth of Paul John on June 13 in Bogota, Colombia. Sent pics of two jolly looking daughters Mary and Jan....Old Timers will remember the broad-brimmed hat papa used to wear--the type worn in his native state of Montana, where there is adequate space for broad brims.

Formerly of Hawaii, and more recently Guggenheim Fellow at the University of California, Dr. Harry H. MURAKISHI transferred his research activities on July 15 to Michigan State University, where he is Associate Plant Pathologist.

Says he is "looking forward to the first Indian summer in eight years."

New Ph.D. K. D. PAHARIA reached India safely in April and reported that his family was happy to see him after his long absence. Weather, however, was not in his favor, as he was having difficulty readjusting. This is understandable, as all Old Timers marvel at the Minnesota weather, no? Paharia's address: Mauranipur, Jhansi-Distt., U.P., India.

José RODRIGUEZ V., who was the first student from Mexico to come to Minnesota, was traveling in Europe in September, to judge by a postcard written in Holland, stamped in Italy, and read in St. Paul. "Desde aqui a todos los amigos de Plant Path les mando muchos saludos."

From Thailand came news in late July from one of the very early Old Timers, Oregon hops-specialist G. R. HOERNER. Having arrived in Bangkok in May, 1955, as "Visiting Professor of Plant Pathology" and member of an ICA-sponsored advisory group, Hoerner became responsible for the biological sciences and extension methods and is now chief advisor of the group. "Astonishing, amazing, fantastic" are applied to various aspects of his life there; what he describes appealed to the Aurora staff as "fascinating".

Dr. W. S. BEACH, Professor of Plant Pathology retired in the summer of 1955 after 37 years of service in the Department of Botany and Plant Pathology at Pennsylvania State University. Born in Brownton, Minnesota, Beach later became a charter member of Minnesota Old Timers. Disease problems in tobacco, turf grasses, tomatoes, and mushrooms fell before the ax-like blows of his sharp mind.

Promoted from assistant to associate plant pathologist was ex-seminar chairman Ellis F. DARLEY, investigator at University of California, at Riverside.

Phares DECKER, Minn. 1935-37, was put in charge of plant pathology at Gainesville, Florida early in 1956.

From Florida to Ohio is the address

change for O.T. B. Bernarr VANCE (1945 Wesleyan Road, Dayton, to be exact).

From Portugal and Stem-Ruster "Jack" SANTIAGO came a note, "I received once the Aurora Sporealis. When does the next issue come out? It looks like for us a little drop of water in the sandy desert!"

St. Paul born Phil HAMM was recently promoted to Scientist in the general field of plant physiology, including herbicidal studies, at Monsanto Chemical Co., St. Louis, Mo. Dr. Hamm is remembered for the plethora of ideas that flowed from his tongue, on the Penicillin Project at Minnesota, as well as for his fisherman's skill if not his luck. The position of scientist in Monsanto, is to recognize outstanding technical accomplishments, and to provide opportunities to do basic research.

Old Timer M. N. KAMAT, of Poona University in India, writes hopefully that Minnesotans are in "cheer and health", and to announce also the publication of his new book, "Practical Plant Pathology", available at the Prakash Publishing House, Opp. Vasant Talkies, Poona 2, India. This, his second book, numbers 225 pages and contains laboratory exercises as well as the theory of plant pathology.

Old-Timer-of-the-Tottering-Tower Tung Fang CHAO, is now on the staff of the Institute of Plant Physiology, Academia Sinica, in Shanghai, China. At Minnesota, Chao worked on the effects of 2,4-D on aquatic plants.

Ex-extension pathologist Ray ROSE, reports his enjoyment of the climate in El Salvador, at his 2-year sojourn there.



RIDING, WRITING, AND RIDING-AND-WRITING

"All things changeth." Even the habits of E. C. traveling STAKMAN, for he stayed home most of the six months covered by this issue. All he did was go to New York a couple of times, to Indiana, to Chicago, and to Washington. That's relatively few miles--for him. On June 8 he gave the dedication speech for the new Life Sciences Building at Bloomington, Indiana. On June 25 he attended the Agricultural Board meeting of the National Academy-National Research Council. On September 6 there was a meeting in Washington of the National Science Foundation's committee on Scientific Personnel and Education. The New York visits were in connection with the Stakman and Harrar book manuscript, which is nearing completion. Otherwise the Ambassador stayed in St. Paul and devoted himself to writing.

COMINGS AND GOINGS

The period covered by these social notes, from April 1 to September 30, included some of the most voluminous, vigorous, vital and varied vacation visiting within our experience. According to our count, 138 people roamed and romped through our halls and signed their names in JJC's guest book; a number of them, including some Old Timers, either neglected or refused to sign said Guest Book, a breach of decorum that we do not condone. We can not give in detail the names, addresses, affiliations, and backgrounds of all of these guests, but we will do our best to summarize the comings of the Old Timers.

Geographically, they ranged from the C. E. Logsdons, of the Agricultural Experiment Station at Palmer, Alaska (previously known as Seward's Ice Box and Seward's Folly, now known as Northern Paradise), to Norm Borlaug of Mexico City and Joe Rupert from far away Chile. From areas in between those extremes came Ted and Gladys Saline Wright, from Wenatchee, Washington, where apples are grown (but we can't speak with anything but hearsay authority on that because they didn't bring us any); Duane Le Tourneau from the University of Idaho at Moscow; Ed

and Marion Andrews, and three offspring, from the University of Wyoming at Laramie--they have not yet acquired the western drawl, but Ed has the distance-scanning Plainsman's look that comes from exposure to the views and vistas of God's country. Also Andy Downie, Big Shot with the American Crystal Sugar Co., crystallized here on a trip from Denver. His sugar diet apparently agrees well with him. From the not-so-far West were Leon Wood of South Dakota State College at Brookings, Merle Michaelson, also from South Dakota, and Mike Boosalis from Nebraska. Jim Broyles from State College, Mississippi, and plantation manager on the side, came up from the Deep South for a breath of our famed fresh and fragrant air (wasn't even 100 in the shade when he was here, and the humidity was hardly ever over 90, and you could hardly even detect the odor of the cow-pens down the road, except when the wind was in the southeast). Mary Ann Swaebly, now teaching at Marquette University, Milwaukee, Wisconsin (where they almost won the National League Baseball pennant this year, but didn't), stopped in for a short visit. Dick Nelson, now of Raleigh, North Carolina, spent part of his vacation in town and in the laboratory and seminar room here, bragging heavily about the climate of Raleigh, the location, the people, the laboratory, the work. Probably will be a hidebound Dixie Democrat with a Deep South accent in a couple more years and begin to think of us as a bunch of damnyankee carpetbaggers. And from still farther, but not much farther, east, came Bill Loegering, P. gr. tr. and wheat breeding expert from Beltsville, Md., and Mrs. Fred Davies (Fred must have been busy on that infallible system for beating the bangtails*, or maybe even working) from Philadelphia. And last, but by no means least, Honorary Old Timer G. H. Coons, came for a short visit.

One and all, we were glad to see you. May you come oftener and stay longer. These visits serve more than just a social purpose, enjoyable as that is. From you in other regions, working on different problems, developing outlooks and technics

* Bangtails = horses

and principles different from our own, we gain mental stimulation and intellectual renewal, and sometimes even enlightenment. So don't stop coming, but do Sign the Book!

Kansas wheatlands

To Manhattan, Kansas, by automobile, across torn-up Iowa highways and detours (not to mention the short corn), careened 20 or so Minnesotans to gaze at wheat and peer at mosaic-laden leaves in plots made ready for the North Central Division meeting of the APS on June 5-7. A few -- not trusting drivers like Miss Hart or Kommedahl -- got there by plane or train (plus taxi). Old Timer Mal Shurtleff, up at 3 a.m. at Ames, Iowa, joined the caravan in Manhattan at the second stop, third plot to the right, weary but still effervescent. Preferring shade to mosaic, Assistant Director Kernkamp could be viewed exchanging yarns with former crony, Harry Young, under the eaves of a station barn. Seed-treatment expert Earle Hansing made at least one evening very pleasant when he and his wife left their front door ajar for all Minnesota Old Timers.

If Manhattan was invaded, Lincoln, Nebraska was taken over and occupied, and this on the heels of a storm in which gusts of wind exceeded 90 miles per hour. Ex-quarterback Mike Boosalis, calling signals, quickly sent Matt Moore after former Seminar Chairman Mike Daly and everyone followed, until weather rooms, supercentrifuges, serology labs and the well-equipped, cork-floored laboratories were examined, even coveted--the tour ending finally in the seminar room with a cup of steaming coffee.



WINDY Country

Locals

On the local scene, brand-new Ph.D.'s were turned out: S. Singh, India; K. D. Paharia, India; Bob Hawn, Lethbridge, Canada; J. C. Santiago, Portugal; Jim Broyles, Mississippi; Bob Drescher, Ohio; John Tuite (from Hunger), Indiana; Gene Hayden, Rust Prevention Association, Minneapolis.

The M.S. degree was awarded to one-time weight-lifter (?) George Failes, a major in Agricultural Botany. Perhaps some remember George and Dr. Bedi, a Sikh from India, putting on a weight-lifting demonstration during a Departmental Christmas party--and Failes' bow-tie lights that flashed on and off with every muscle bulge.

A milestone (sometimes thought of as a millstone) is the "prelim". Those who made it were Bob Campbell, George Papavizas, Bob Klug, Ted Reiling, Julia Guzman, and Ken Bromfield.

The two Daves, French and Thurston, each became a father again, each to a boy, born within a day or so of each other. The babies do not resemble each other, however, except as babies in general resemble each other.

One wonders whether the pay for college professors has sunk to a new low, for Carl Eide is busy selling surplus cameras, books, and other such items. Also, with the recent installation of a new walk-in potato cooler in the head-house basement, is Carl looking forward to the collection of possible fees from outsiders (non-potato pathologists) for space? Rumor has it that Linck and DeVay are trying to establish a partnership with Carl, but so far without success.

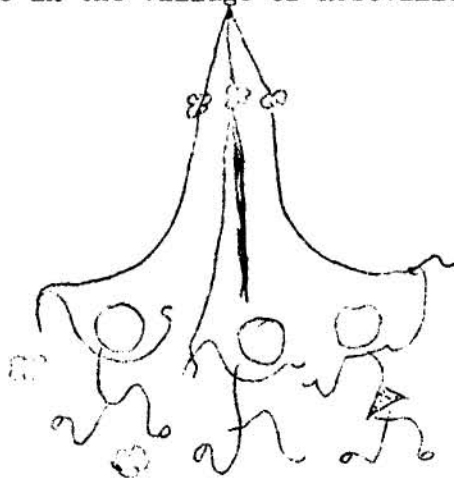
It has been reliably reported that Matt Moore tried to sell his shoes but failed. A later communique stated that they were not really his shoes but his grandfather's. Anyone wish to trade an old jalopy (auto) for a pair of good serviceable shoes? If so, write to: Prof. Matt Moore, SHOES, St. Paul 1, Minnesota.

Nematodes at Minnesota: Taylor-made ?

The Department of Plant Pathology and Botany always pushing into new fields, announces the addition of Donald P. Taylor to the staff, as nematologist. Mr. Taylor took his undergraduate work at Dartmouth College, with a major in botany, and his graduate work at the University of Maryland with a major in plant pathology and minor in botany. His emphasis in graduate work was on plant nematology and he has specialized in this field. Mr. Taylor obtained his M.S. degree in Maryland in 1956; he presented a thesis entitled "The occurrence, distribution, and variation of the genus *Pratylenchus* Filipjev, 1934, in Maryland, with the description of *P. hexincisus*, n. sp. and *P. subpenetrans*, n. sp.". Mr. Taylor is a member of the American Phytopathological Society and the Helminthological Society of Washington. He is author or co-author of three scientific publications in the field of nematology. On September 15, he was appointed a Research Fellow in the Department and will specialize in the nematode diseases of crops in Minnesota and the relation of nematodes to fungus diseases.

Taylor reports that at least 40 species in 15 genera of nematodes occur in the North Central states, on such crops as sugar beets, potatoes, onions, cherries, strawberries and bluegrass. He has demonstrated further that 12 genera of plant parasitic nematodes are present in Minnesota soils and cause extensive damage to crops.

Mr. Taylor is married and the father of two boys. He is at home at 1800 Lindy Avenue in the Village of Roseville.



Thursday night at 8

Old Timers inevitably wax sentimental over Seminar. Discussions often are recounted, such as this recent one concerning the proper use of "continuous" vs. "continual". ECS, in seminar between flights, ably distinguished the two words saying that to speak continually is to "speak for 2 hours, using commas and semi colons," whereas to "speak continuously is to speak for 2 hours with no punctuation". Is that clear ?

At another time the question was asked, "What is saltation ? I mean what does the word really mean ? Anybody ?" As no 'correct' answers were forthcoming, Stak explained that saltation means to proceed by "leaps and bounds"--that the word was used originally to describe motion, and that it came to be used instead of the word mutation.

Research reports gain priority over literature reviews but not over announcements. The usual complaints were aired, especially on unkempt labs, windows left open, and forgotten or abandoned items in refrigerators and incubators--each accompanied by a sermon from J.J.C.

Progress reports on research on Hypoxylon canker of aspen were given frequently by Oshima. Ex-Rhode Islander John Rowell explained and described how he stores spores or rust in mineral (not fish) oil. Dave French of French Acres rehearsed his AIBS speech on the subject of Rumpus Room Molds (a disease ? of insulation board in basement recreation rooms). With Thurston's return from Colombia, and a supporting cast of Knutsc and Line, late blight of potatoes once more dominated stem rust, and who ever hears of corn smut any more ?

It was an alfalfa improvement conference that attracted so many to the campus and our seminar; those that came and made 1-minute (?) speeches were: Old Timers Earle (Hans) Hanson, Wisconsin; Bob Hawn and wife Norah, from Alberta; and Kermit Kreitlow, Beltsville, Md. Others were Roberts of Cornell, Gerdemann of Illinois, Athow from Purdue, Mead from Canada, Walters of Arkansas, and Hendersor from Virginia.

Swedish pathologist Helge Hellquist summed up Scandinavian plant diseases, emphasizing, as might be expected, stem rust--they had an epidemic in Sweden in 1951. Stem rust epidemics are highly regarded in Minnesota (academically, of course), and especially so because Eide was born during one of them.

Peppery, ex-coal miner Andy Downie predicted in Seminar that the time would come when there will be no plant pathologists (this is heresy) nor plant breeders (that's not so bad), but just basic agricultural scientists. Apparently caught in a philosophical maelstrom, Downie continued to say that "basic research attempts at the finality of problems and gets at universality of application". To this ECS heartily agreed. In fact, this sounded very much like what Doc had been saying all along. Stak, moreover, thought that to get this basic research there is a need for "broad and deep scholarship" and then went on to define scholarship as the "application of an informed and disciplined mind to the solution of problems, with a high standard of ethics, moral purpose, and social responsibility".

Yes, even literature reviews were sandwiched in here and there, ranging from the effect of music (stringed instruments) on plant growth to the rust of prickly pear. Sure, there is more to tell, but can you not imagine the rest?

After Seminar



Spring and summer publications

- Butler, E. E. Spore germination in *Sordaria fimicola*. *Mycologia* 48: 345-348.
- Castano, J. J., and M. F. Kernkamp. The influence of certain plant nutrients on infection of soybeans by *Rhizoctonia solani*. *Phytopathology* 46: 326-328.
- Christensen, C. M. Deterioration of stored grains by molds. *Wallerstein Laboratories Communications*, Vol. 19, No. 64, pp. 31-48.
- Christensen, J. J. Mutagenic effects of antibiotics. *Proc. First Intern. Conf. on the Use of Antibiotics in Agriculture* (Nat. Acad. Sci.--Nat. Res. Council, Washington, D.C.) pp. 73-78.
- Christensen, J. J. Chemical control of rusts. *Minn. Farm and Home Sci.*, Vol. 13, No. 3, pp. 13-14.
- Christensen, J. J., and J. E. DeVay. Stalk rot of corn. *Minn. Farm and Home Sci.*, Vol. 13, No. 2, p. 3,6.
- Dosdall, Louise T. A petal blight of chrysanthemum incited by *Itersonilia perplexans*. *Phytopathology* 46: 231-232.
- Frosheiser, F. I. Storing inoculum of *Pseudomonas glycinea* in host tissue by freezing. *Phytopathology* 46: 526.
- Golubchuk, Moishe, Heinz Sorger-Domenigg, L. S. Cuendet, C. M. Christensen, and W. F. Geddes. Grain Storage Studies XIX. Influence of mold infestation and temperature on the deterioration of wheat during storage at approximately 12% moisture. *Cer. Chem.* 33: 45-52.
- Hayden, E. B. Pathogenicity of races 11, 15B, 49, 125, and 139 of *Puccinia graminis* var. *tritici* to new spring wheats, especially certain Kenya wheats and their derivatives. *Phytopathology* 46: 145-150.
- LeTourneau, D. A note on the sugars and amino acids of leafy spurge,

Publications (continued)

- Euphorbia esula. Weeds 4: 275-277.
- LeTourneau, D., G. D. Failes, and H. G. Heggeness. The effect of aqueous extracts of plant tissue on germination of seeds and growth of seedlings. Weeds 4: 363-368.
- Levine, M. N., and W. J. Cherewick. Greenhouse and fieldplot studies on varietal reactions to barley leaf rust. Canad. Jour. Agr. Sci. 36: 127-143.
- Nelson, R. R. Transmission of factors for urediospore color in Puccinia graminis var. tritici by means of nuclear exchange between vegetative hyphae. Phytopathology 46: 538-540.
- Peterson, Anne, Vera Schlegel, B. Hummel, L. S. Cucudet, W. F. Geddes, and C. M. Christensen. Grain Storage Studies XXII. Influence of oxygen and carbon dioxide concentrations on mold growth and grain deterioration. Cer. Chem. 33: 53-66.
- Roberts, B. J., and M. B. Moore. The effects of temperature on the resistance to oat stem rust conditioned by the BC genes. Phytopathology 46: 584.
- Rowell, J. B., and E. B. Hayden. Mineral oils as carriers of urediospores of the stem rust fungus for inoculating field-grown wheat. Phytopathology 46: 267-268.
- Schwinghamer, E. A. Physiologic specialization in Colletotrichum linicolum. Phytopathology 46: 300-305.
- Stewart, D. M. A vacuum drying process for preservation of Puccinia graminis. Phytopathology 46: 234-235.
- Stewart, D. M., R. U. Cotter, B. J. Roberts, and E. B. Hayden. Physiologic races of Puccinia graminis tritici in the United States in 1955. Pl. Dis. Rptr. Supp. 239.

Tveit, Martin. Pathogenicity of species of Helminthosporium from Brazilian oats. Phytopathology 46: 45-48.

Aurora Committee

Laura M. Hamilton
Louise T. Dossdall
J. E. DeVay
K. R. Walker
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