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Aurora Sporealis

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**DEPARTMENT OF PLANT PATHOLOGY AND PHYSIOLOGY
INSTITUTE OF AGRICULTURE, UNIVERSITY OF MINNESOTA**

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THE STAKMAN SAGA

Mexico was the habitat of ECS from Oct. 7 to Dec. 10, 1964, with a visit in November to Lima, Peru, where Old Timers were meeting. Among them were Neri Sosa, daSilva, Castronovo, Ochoa, Thurston, Loegering, Gibler, Rupert, Postigo, Vallega, Orellana, Montaldo, Julia Guzmán, Castano, and Campos, and perhaps others.

At Lima ECS received an illuminated certificate from ALAF (Asociacion Latino-Americana de Fitotecnia) as the first Honorary Member. He also received a gold medal from Academia Colombiana de Ciencias Exactas, Fisico-Quimicas y Naturales, as Corresponding Member.

The winter was enjoyed at home--the worst winter ever, it seemed, with the mercury plummeting, ice building up, 2-legged animals breaking bones, snow still falling when spring birds should have been chirping, then rains pouring over the planes of ice, with boating or fishing in basements. ECS used some bad words but diligently pencil-pushed on book he is co-authoring with the two others who surveyed Mexico for agricultural needs in 1941.

Revising and editing continued in New York during April-May and July-September, these processes occurring orally, in writing, and with vigorous and emphatic gestures. On May 17, friends in various parts of the world remembered that this was the Stakman 80th birthday!

In June there was a quick foray to California, where 10 thousand students at Long Beach State College listened to ECS develop "The Degrees of Meaning in Degrees."

Cover: *Amanita verna*, Itasca State Park, August, 1937. Photo by Clyde Christensen

STAFF MEMBERS TAKE LEAVES

Several staff members have yielded to the urge to carry the Word to the benighted, improve themselves professionally, gain new perspective, enhance their prestige, or just plain get out of work. To these ends they are, or have been, on leave. Below are their names, geographic distribution and objectives (if you can believe what they put on their applications for leave).

E. E. Banttari, Assistant Professor. July 1, 1965 - June 30, 1966. Maataloaden Tufkimakeskus, Tikkurila, Finland, to study cereal viruses (6 months) and then to Instituut voor Plantenziektenkundig Onderzoek, Wageningen, Nederland to study plant virology. NSF NATO Fellow.

C. M. Christensen, Professor. May 28 - July 21, 1965. Mexico City. To investigate fungi in stored grains and mycotoxicoses in feeds in cooperation with Instituto Nacional de Investigaciones Agricolas and Almacenes Nacionales de Deposito, S.A.

D. W. French, Professor. Sept. 1, 1965 - June 30, 1966. University of North Carolina. To teach forest pathology and get some first-hand knowledge about diseases he has been teaching for years. Visiting Professor.

M. F. Kernkamp, Professor and Head. Aug. 1 - Nov. 30, 1965. Japan, Taiwan, Philippines and Hawaii. To study undergraduate instruction and research in plant pathology in various institutions.

T. H. King, Professor. Nov. 1, 1964 - Dec. 31, 1966. Bangkok, Thailand. F A O regional representative in Asia and the Far East.

D. M. Stewart, Assistant Professor and Plant Pathologist, USDA. March - November, 1965. Institutul Central de Cercertari Agricole, Bucharest. To work on stem rust and lecture. Fulbright Fellow.

STAFF LEAVES (continued)

T. W. Sudia, Associate Professor. Oct. 1-Dec. 31, 1965. Three months sabbatic leave. He stayed home to do creative writing.

Underprivileged staff members are eagerly awaiting the return of these travellers, to hear about their adventures and to see their slides.

ugh!

NEW STAFF MEMBERS

Eduard Stadelmann, Assistant Professor of plant physiology (cell physiology). B.S., Staatsrealgymnasium, Graz, Austria, 1939; Ph D., University of Innsbruck, Austria, 1953. Formerly Privat Dozent (Venia legendi) University of Freiburg, Switzerland.

Asa C. Sims, NSF Post-Doctoral Science Faculty Fellow (physiology and genetics of fungi). Ph D., Ohio State University, 1956 (Old Timer C. C. Allison, adviser). On leave from Southern University, Baton Rouge, La. where he is professor of biology.

Lowell P. Bush, Research Associate (Physiology of P. g. t.) B. A., Macalester College, 1961; Ph D., Iowa State University, 1964.

Robert E. Davis, Lecturer (plant virology). B. S. University of Rhode Island, 1961. Ph D., Cornell, early in 1966. Bob will be with us for only the fall quarter, doing the teaching duties for Banttari and King. (See faculty leaves.) Harrison Morton and Paul Manion are doing the same for French. (See promotions.) You figger it out.

David H. MacDonald, Assistant Professor (nematology). B. S. Purdue University, 1956; Ph D., Cornell University, 1965. Replaces Roger Anderson.

Lee C. Olson, Assistant Professor of plant

physiology (nitrogen nutrition). B. S., South Dakota State University, 1958 Ph D., University of Wisconsin, 1962.

S. Subbarayudu, Research Fellow (translocation in fungi). B. S., Bapatla Agricultural College, 1959; Ph D., P. G. School, I. A. R. I., New Delhi, 1965.

Donald V. McVey, USDA Plant Pathologist (wheat stem rust) transferred to the Co-operative Rust Laboratory from Puerto Rico, where he had been for over six years. M. S. Purdue 1956, Ph D. Illinois 1959. Replaces Jim Miller.

Alan P. Roelfs, USDA Plant Pathologist (rust epidemiology) to replace the late Dr. R. U. Cotter. B. S. 1959 and M. S. 1964 from Kansas State University.

ANDERSON RESIGNS; MILLER TRANSFERRED

Roger Anderson, Assistant Professor (nematology) in the department since 1962, resigned June 30, 1965 to take a position as Research Officer, Central Experimental Farm, Ottawa, Ontario, Canada, where he will work on the taxonomy of nematodes.

James D. Miller, USDA Plant Pathologist (wheat rust resistance), at Minnesota since 1953, transferred to Mayaguez, Puerto Rico, in October 1965.

HELEN HART HONORED

Gamma Sigma Delta, at the annual meeting of the Minnesota Chapter in April 1965, presented to Dr. Helen Hart an award of Merit for "contributions and service to science and education."

CHRIS WHEAT

"Chris" is a new hard red spring wheat named in memory of Dr. J. J. Christensen. The wheat was released by the Minnesota Station and the U. S. Department of Agriculture on March 1, 1965

OLD TIMERS

Honor came to Dr. Julia Guzmán-Naranjo, of the Colombian station "Tibaitatá," when she was presented in May 1965 with an award from the Alejandro Angel Escobar Foundation for her work on partial resistance of potatoes. Since this was an adaptation to Colombian agriculture of her Ph D. research, Julia offers "the honor of this prize to the Plant Pathology Department of the University of Minnesota."

Fateh M. Turk (Minn. Ph D. 1955), native of Pakistan, died in late July 1965 in Ottawa, Canada, where he was employed by the Department of Agriculture. This information came from Roger V. Anderson, who had recently transferred to Ottawa from St. Paul.

Dr. D. L. Bailey was feted on June 4 at a retirement dinner on the final evening of the Canadian Phytopathological Society annual meeting at Guelph. He had completed 42 years of service to plant pathology, in token of which a portrait of him was hung in the Botany Building of the University of Toronto. We were sorry to learn that Mrs. Bailey, who shared the honors of the occasion with her husband, died a few hours later.

Wyoming's Dr. G. H. Bridgman is spending a two-year leave in the Somalia Republic, Africa, under a Wyoming/AID contract.

Also at Wyoming, Old Timer H. G. Starr was recalled to the Plant Science Division of the University on February 1, 1965, after having retired as Director of Extension the previous July.

Californian D. E. Munnecke is spending his sabbatic leave in 1965-66 at the University of Goettingen, Germany, with Professor W. F. Fuchs.

After 17 years at Michigan State University, Dr. Axel L. Andersen was assigned this year to Washington, D. C., to the U. S. Department of Agriculture's research program development and evaluation staff.

Honor came to Dr. George C. Papavizas from the U. S. Department in the form of a

Superior Service Award for significant research and accomplishment on soilborne plant pathogens.

Dr. J. G. Leach was guest of honor at a pre-retirement banquet on May 22 at Morgantown, West Virginia. The menu folder stated in part that "Dr. Leach has, during 46 years, done research and teaching successively in Tennessee, Minnesota, Colorado, and West Virginia. At West Virginia University he served as Department Head from 1938 to 1960." He is a Minnesota Old Timer by virtue of a Ph D. in 1922 and service on the faculty as Instructor to Professor during the period 1920-1938, when he contributed significant leadership in the field of insects in relation to plant diseases.

Dr. William Merrill, Jr., after a post-doctoral year at Yale, is now with the Department of Plant Pathology at Pennsylvania State University for research on forest pathology.

Dr. Martin Tveit, in early 1965, was given a one-to-two-year leave from the Swedish Sugar Corporation to act as Director for the Indo-Norwegian Project, established for the development of India's fisheries. Involved are processing plants, fish meal factories, oceanographic research, outfitting of exploratory fishing, etc. Headquarters are Ernakulam, in the State of Kerala.

Early in 1965, Dr. B. P. Chakravarti was appointed Reader (Class I, Professor level) at the University of Udaipur, Rajasthan, India.

Dr. Merle N. Follstad, a fairly recent Old Timer stationed at the U. S. Horticultural Field Station at Fresno, California, visited with Jim DeVay at Davis in March. At present, Merle is occupied with fungi involved in post-harvest diseases.

On March 26, 1965, L. M. Joshi was awarded the Ph D. degree at the Indian Agricultural Research Institute. He has left rust work and is allocated the Junior Class I in the Division of Mycology for evaluation of losses due to plant diseases.

OLD TIMERS (continued)

The second Jacob Eriksson Prize was awarded in 1964 to Dr. J. C. Santiago, of Portugal, in recognition of his work on the cereal rusts, particularly on the epidemiology of wheat stem rust in the western Mediterranean area and northwestern Europe. The prize was presented personally by the Secretary of Agriculture of Portugal in November.

Dr. Krishna Paharia, as result of a promotion, was transferred to the Central Potato Research Institute at Simla, India, early in 1965, to head the late-blight project. As Aurora goes to press, Paharia is on a potato-study trip in the western hemisphere, visiting the department in St. Paul Oct. 7 and 8.

Dr. Bobby L. Renfro, with the Rockefeller program in India, was good enough to send news about Minnesota Old Timers and modest enough to say nothing about himself.

The Elvin Charles Stakman Memorial Award was presented to Dr. J. H. Craigie at Ottawa, Canada, on September 10, 1964. Old timer W. E. Sackston represented the Awards Committee at the dinner honoring Dr. Craigie, who, according to Sackston, "responded most typically. He got up and talked for about 15 minutes on the distinguished career of E. C. Stakman, with never a word of his own work or achievements."

Dr. M. L. Gattani (Minn. 1944-46) left Afghanistan for Bogor, Java, in February 1964 under auspices of FAO. In 1965, because of the withdrawal of Indonesia from the U. N., he had to leave Bogor and is now in India.

New address for Mrs. Robert (Vivian) Schwab is 1607 L Street, Davis, Calif., 95616. When last heard from, the Schwabs were on their way for dessert and coffee with the Bob Campbells.

John Martin, son of Dr. E. W. (Ted) and Janet Ryan, was born in Dublin on the day that Churchill died, Jan. 24, 1965. John is an Irish redhead!

Mrs. Irene Hansen, in charge of the College Office from Dean Freeman's time, retired in 1964. She began her career on the St. Paul campus in the Plant Path office.

Rosemary McLeod, also of the early days in the Tottering Tower, toured her old haunts while in St. Paul in January and left with us an address for her Plant Path coworker Gladys Kelley: Mrs. Vincent Keilman, 1043 Larch Avenue, Moraga, California.

The Ellis F. Darley family returned to Riverside, California, in September 1964 on completion of "a very eventful year" in Germany.

Mrs. James (Tessa McNeely) Flowers, of the World-War-II era in Plant Path, is now working with the disabled. Her home is still Spring Valley, California.

Dr. Subhi Qasem (Minn. Ph D., 1959) visited Hosni A. Mohamed in Cairo while enroute to his homeland, Jordan, in the fall of 1964.

Professor A. R. Gemmell was implicated as the speaker on "Crime and Punishment" on February 18 before the Botanical Society of Edinburgh.

Congratulations to Professor J. H. Western, of the University of Leeds, England, for election as President of The Association of Applied Biologists for 1964-65.

Ing. Luis Carlos Felix (Minn. 1946-48) is now Director of the Escuela de Agricultura y Ganaderia at Hermosillo, Sonora, Mexico.

After a post-doctoral year at Uppsala, Sweden, L. J. "Larry" Littlefield took a position as Assistant Professor in plant pathology at North Dakota State University, Fargo, on October 1, 1965, for studies on histology of flax rust and on barley stripe mosaic virus.

Dr. George A. Bean, in behalf of the National Park Service, invited Seminar members to visit Washington, D. C., enroute to the APS meetings in Miami in October. He stipulated, since he has "numerous turf grass plots throughout Washington," that visitors keep off the grass.

OLD TIMERS (continued)

E. Schwinghamer, Rhizobium geneticist, wrote from Canberra, Australia, in July 1964 that he would begin work at Oregon State University in March 1965 with a joint appointment in the departments of Microbiology and of Botany and Plant Pathology.

Many Old Timers who roomed at 1486 Raymond while in St. Paul will be sorry to know of the death of Mrs. Clara Johnson on October 31, 1964, following surgery for cancer. She provided not only shelter but kindness, advice, and many, many cups of tea for her students and visitors.

Among those who remember Mrs. Johnson is Dr. F. T. (Tino) Orillo, of the Philippines, who wrote in Nov. 1964 from Wageningen, The Netherlands, where he was to spend 3 months on a project involving Rhizoctonia solani. He was "overwhelmed with the hospitality and friendliness of the people..." to whom he would be owing a debt of gratitude which, "however, cannot be more than what I owe.... the good people in the Pl. Path. Dept. in Minnesota."

Never throw anything away! We were able to furnish a copy of a thesis publication of 25 years ago to Old Timer R. (Dick) K. Vorhees, who had lost all personal belongings in Hurricane Hattie in British Honduras in the fall of 1961, and almost lost his life. Dick is now in Atlanta, Georgia, with the Hastings Seed and Nursery Co.

Among those who traveled for pleasure in 1964 were Dr. Olaf and Monica Aamodt-- of Hyattsville when they stay home. A cruise to Italy and visits in Iran, where they have grandchildren, kept them away this time for almost 4 months.

Other travelers were Dr. Chet and Susie Wismer, who visited Japan, Hong Kong, Macao, Taiwan, and the Philippines in September-October. Chet made "a few observations on sugarcane diseases in the two latter countries." But, says he, "there's no place like Hawaii at Christmas

(as well as the rest of the year)."

Edgar Christensen (Minn. M. S. 1958) was transferred by Yoder Bros. of Ohio to Salinas, California, the middle of 1964. Yoder Bros. are chrysanthemum specialists who have employed several Old Timers, among them Dr. Herb Johnson, now our Extension specialist. The Christensens say they will be "looking forward to seeing you on your trip to California."

Dr. Julio Bird of Puerto Rico was appointed head of the Plant Pathology Department at the Agricultural Experiment Station in Rio Piedras in July of 1964.

Dr. John Churchward, who retired from the tropics nearly three years ago, has "started work again with the Australian wheat Board, in charge of Pests and Disease Control." His address: "Erlangga," Glen Shian Lane, Mount Eliza, Victoria.

According to the Washington Post, Director of biometrical services for the U. S. Department of Agriculture, Dr. E. L. LeClerc, retired December 30, 1964. On Feb. 8 he began to teach a graduate class in the Department of Agronomy at the University of Maryland, and was continuing a correspondence course in statistics with the U.S.D.A. Graduate School.

Also at Beltsville, recent Old Timer Robert Goth chats frequently with mushroom-expert E. B. (Ebi) Lambert and certifies that "almost always our Alma Mater is mentioned."

The Wisconsin State Journal of Dec. 9, 1964, headlined George E. Hafstad, of the State Department of Agriculture, as a "poetic scientist" on the basis of his talk at the first annual Wisconsin Conference on Shade Trees. Among many points Hafstad made, he suggested a city with as many shade trees as there are people and a University campus with 25,000 shade trees as well as 25,000 students!

Dr. Peter Wilde (Minn. 1957-58) at Christmas time hoped that "the Departmental spirit (and the spirits at Mannings on Como Avenue after Thursday evening seminar)

OLD TIMERS (continued)

will be the same as it ever has been." He is still in the Organic Chemistry Institute at Göttingen, Germany, "in charge of the Streptomyces lab, doing research on antibiotic production, actinophage, and will do some genetics in '65." He reports that B. von Sydow (Minn. 60-61) had just received his Dr.'s degree and that Miss de la Isla (Minn. M. S. 1957) was doing her Dr.'s thesis under supervision of Prof. Fuchs.

The Stakman Award for 1965 went to Dr. Joseph A. Rupert, Director of the Chilean Agricultural Program of The Rockefeller Foundation. The University of Minnesota announced the Award in 1965 and hopes to present it personally to Dr. Rupert on his next leave from Chile.

New address is September for Ing. Agr. Alfonso Castronovo is Apartado 4359, San José, Costa Rica, where he will be head of technical matters in the Inter-American Institute of Agricultural Sciences.

Marco A. Flores (Minn. M. S. 1957), of Guatemala, is now with Essential Oil Products Association, working on "agronomic and protection problems of lemon and citronella grasses."

Retirement on June 30, 1966 is scheduled for Dr. E. M. Johnson of Kentucky (Minn. Ph D. 1930), who says, "If I do as Dr. Valteau has done, I'll probably be at the office almost daily." Possibly in preparation for the final rites, Ed sent to Matt Moore some snapshots of J. G. Leach, Matt, and Carl Eide taken in their more exuberant years. He also reminds us that the President of the University of Kentucky is a plant pathologist!

Kentuckian Lawrence Henson (Minn. 1936-39), according to Ed Johnson, in November 1965, "appears to be getting along well after a time spent in a tubercular sanatorium." Our best wishes to Larry.

OLD TIMERS WHO DROPPED IN

The vacationing canoers, Ernie duCharme from Florida, Bill Loegering from Beltsville, Harry Young from Oklahoma. *** Former rust observer Gordon Curran, from Peoria, Illinois, now in insurance. ***The Ehrlichs (Mary Ann and Howard) from Duquesne University, Pittsburgh.

From Spain and other vacation spots came Wally Rogers, enroute to Puerto Rico for a job. *** Danish citizen A. Skytt Andersen, now studying hormones on an NSF fellowship at Iowa. *** Canadian W. E. Sackston to attend the Flax Institute in Minneapolis, both in 1964 and 1965. In 1965, for the same purpose, came Larry Littlefield of Fargo.

Arthur Elliot, author of the long-long rust thesis, came north from Texas Technical College at Lubbock; and ex-flax man Dick Fredericksen from College Station, Texas. *** From the east there were Norman Krog of Middleport, New York and Bob Goth of Beltsville. Also Don Huisingh, enroute from Wisconsin to become Assistant Professor at North Carolina State.

Rockefeller-Foundation President J. G. Harrar came to address the Minnesota Alumni Association but also talked to the Plant Path Seminar. Other RF plant pathologists also were here: Dave Thurston and John Gibler from Colombia, the latter transferring to Ecuador this fall, and Bobby Renfro from India.

Dick Lutey, with candy for the office, from Tennessee. Howard Bissonette for his final for the Ph D., also with candy.

From the west came Ted Reiling of Washington State, Bob Campbell of California, Duane LeTourneau of Idaho, and "on the hottest day of the year," Chuck Schneider of Utah. *** Local Old Timer Ray Rose, who doesn't stay home very much, dropped in. *** Chuck Logsdon,

OLD TIMERS (continued)

enroute from Alaska to Chicago, came on Sunday. *** Coloradan C. H. Livingston, in the course of a trip east, discussed his thesis with Carl Eide.

While on a Mexico-U.S. study trip from Simla, India, Dr. Kishun D. Paharia visited for two days.

Looking for job-candidates were George Papavizas and John Presley, of Beltsville. Looking for a job, but later in 1965, was Stephen Liu, who has spent recent years in Brazil. *** Also from Beltsville came Rodrigo Orellana, who wrote in the Visitors' Book, "Great to see all of you."

We say, "Great to see YOU."

DEATHS

We regret to record two additional deaths in the family of the late J.J. Christensen. The eldest son, Dr. Philip D. Christensen, died of a heart attack on May 11, 1965, in Green Bay, Wisconsin. His four children, from 14 to 5 years of age, and his widow are now located in San Jose, California, near her relatives.

Then on September 20 occurred the death of Mrs. J.J. Christensen in St. Paul. Friends of "Phyllis," as Chris called her, admired her courage, cheerfulness, and continued interest in others during many years of chronic and periodically critical illness.

We have also learned that Armas Makila died on August 19, 1964. Makila got his bachelor's degree in plant pathology in 1949 and took graduate work in the department for several years before going to the Citrus Experiment Station at Riverside, California, where he was Senior Laboratory Technician.

MARRIAGES

E. E. Banttari and Marlene Salmela, June 5, 1965
David B. Schroeder and Mary Jane Retka, July 3, 1965

BIRTHS

1964

Bjorn Williamson to Bill and Mary Lou Merrill, July 31
Christian John to Donald and Karen Knutson, August 30
Troy Gregory to Dr. and Mrs. A. J. Linck, September 20

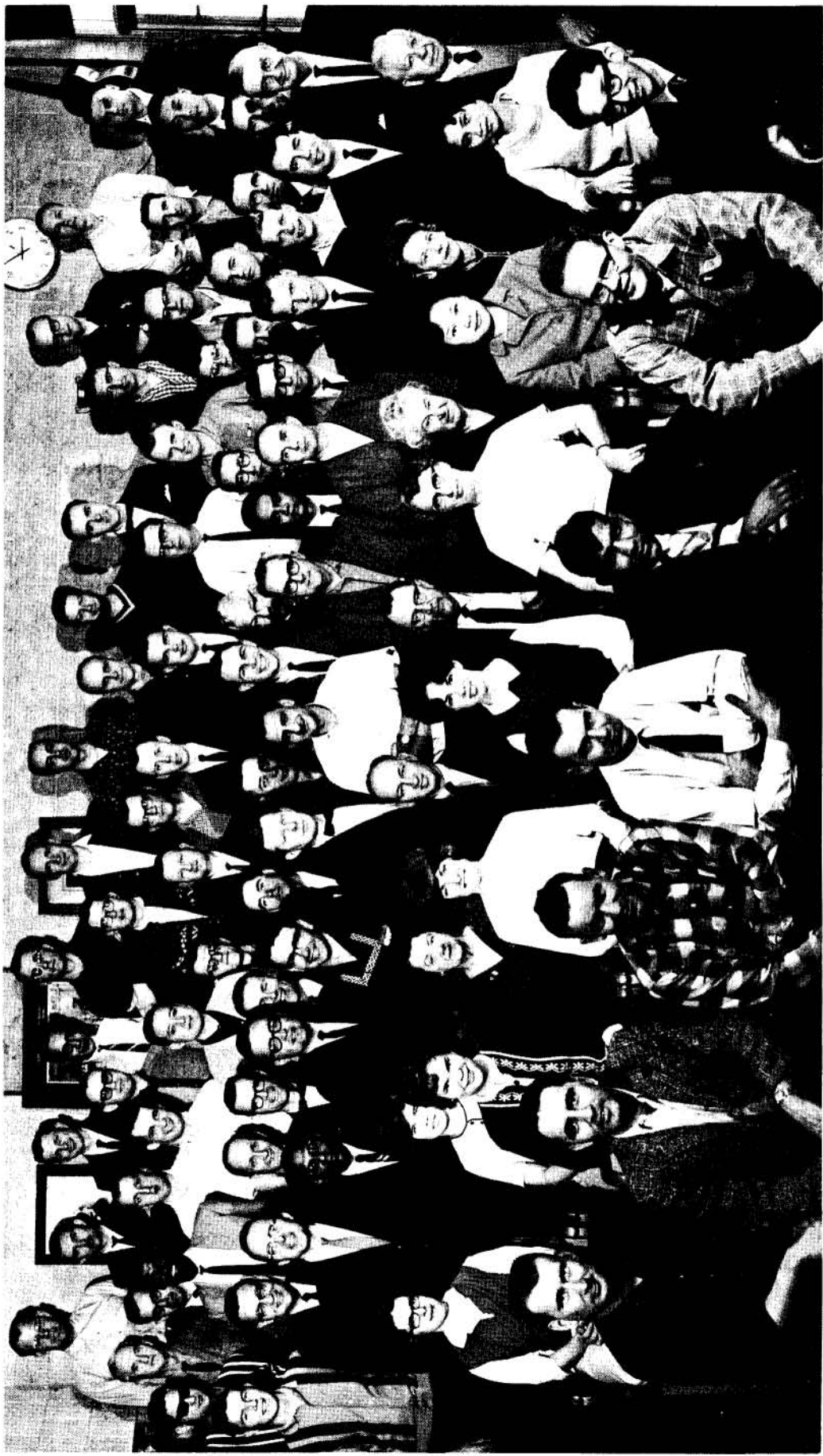
1965

Susan Margaret to David and Lois Sauer, January 13
Kathryn Jean to Dr. Lauren and Barbara Carlson, May 16
Ting-Kwang and Ting-Hwa, twins, to Ming-hsien and Cha-huei Sun, June 2
Julie Monica to Dr. and Mrs. C. J. Mirocha, August 4
Susan Kay to Daryl and LeAnn Freter, November 12

OLD TIMERS GALLERY

Dr. William C. (Bill) Broadfoot cir. 1928

Formerly Associate Director, Canada Department of Agriculture Research Station, Lethbridge, Alta. Bill retired in April, 1964



DEPARTMENT PICTURE 1964-1965

- Row 8: O. Bielenberg, L. Lopez, K. Bohnenblust, A. Zinada, G. Ahlgren, W. Bugbee, H. Morton, W. Williams, R. Welty, C. Arntzen.
- Row 7: M. Moore, A. Linck, T. Kucharek, R. Garza, A. Heagle, J. Froyd, P. Manion, J. Dueck, D. Green, L. Carlson.
- Row 6: C. Meza, M. Hulluka, P. Rick, H. Chung, P. Breen, B. Keeling, L. Bush, L. Olson, R. Anderson, C. Hurst, L. England, D. Schroeder, C. Bernier, M. Sun.
- Row 5: R. Finstad, D. Stewart, G. Stallknecht, T. Kommedahl, M. Smith, M. Kenney, D. Sauer, J. Cross, C. Christensen, A. Alabanza, R. Romig, D. French, A. Roelfs, J. Wendorff, R. Lindhart, B. Kennedy, D. Freter, C. Eide.
- Row 4: L. Calpouzos, K. Patel, J. Miller, N. Luchsinger, C. Mirocha, S. ELKandelgy, J. Rowell, K. Leath, E. Banttari, E. Stadelmann.
- Row 3: K. Strandli, S. Anderson, L. Hamilton, H. Johnson, M. Kernkamp, H. Hart, R. Haga, E. Stakman.
- Row 2: S. Landeen, C. Larson, C. Patoile, G. Aschenbach, A. Chang, C. Eugenio.
- Front Row: R. Nyvall, J. Vigil, M. Madsen, W. Bushnell, S. Husain, J. Hill, L. Fuehigami.

STAFF MEMBERS PROMOTED

Lauren E. Carlson	5/1/65	Research Assistant to Assistant Professor
James D. Froyd	7/1/65	Extension Plant Pathologist to Instructor and Extension Plant Pathologist
Paul D. Manion	9/16/65	Research Assistant to Instructor
Harrison L. Morton	9/16/65	Research Assistant to Instructor

CIVIL SERVICE CHANGES

New Appointments

Susan Will	9/1/65	Senior Laboratory Attendant
Suzanne Rooney	9/8/65	Clerk-typist
Bonnie Chase	9/20/65	Clerk-typist
Mary Cahill	10/1/65	Senior Laboratory Attendant
Karen Heuer	10/4/65	Laboratory Technician

Resignations

Mary Jane Retka	9/25/64	Senior Clerk Typist
A. Karine Strandli	8/31/65	Senior Laboratory Attendant
Charlotte Patoile	9/1/65	Clerk-Typist
Cathleen Larson	9/17/65	Senior Clerk Typist
Larry England	9/24/65	Senior Laboratory Attendant

THIRTEEN PH. D., NINE MASTERS DEGREES GRANTED

The people listed below passed the examinations indicated, which means that the degrees were granted at the following commencement.

<u>Name</u>	<u>Date of examination</u>	<u>Date of departure</u>	<u>Position and address</u>
<u>M. S. FINALS</u>			
Arvid M. Monson	11/10/64	3/31/64	Ph D. candidate; Dept. of Microbiology, Univ. of Minnesota
David B. Sauer	11/10/64		Continuing for Ph D.
Thomas A. Kucharek	1/15/65	8/25/65	Begin Ph D. work, Res. Asst., Stillwater, Okla.
Hemant A. Fanse	1/27/65		Continuing for Ph D.
Paul D. Manion	2/8/65		Continuing for Ph D.
Wayne T. Williams	4/21/65	6/23/65	Ph D. work, Davis, California
Arthur L. Schipper	8/31/65		Continuing for Ph D.
Cesaria P. Eugenio	9/21/65		Continuing for Ph D.
Donald M. Knutson	10/18/65		Ph D. candidate, Department of Forestry, Univ. of Minnesota

PH D. PRELIMINARIES

Lauren E. Carlson	6/19/64	(See Ph D. Final.)
Syed M. Husain	11/9/65	(See Ph D. Final.)

Ph D. Prelims. (continued)

<u>Name</u>	<u>Date of examination</u>	<u>Date of departure</u>	<u>Position and address</u>
Robert L. Norgren	1/15/65	1/16/65	Assistant in Nematology, Cranberry Station, Univ. of Massachusetts, East Wareham, Massachusetts.
Ronald E. Welty	3/15/65		(See Ph D. Final.)
S. M. ElKandelgy	3/22/65		(See Ph D. Final.)
William M. Bugbee	3/31/65		(See Ph D. Final.)
Kenneth E. Bohnenblust	4/7/65		
Raul Garza-Chapa	4/12/65		(See Ph D. Final.)
George E. Ahlgren	4/15/65		
Patrick J. Breen	5/20/65		
John E. Cross	11/24/65		

M.S. AND PH D. PRELIMINARY COMBINED

Kenneth T. Leath	11/23/65		
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PH D. FINALS

Howard L. Bissionnette	8/21/64	12/31/61	Extension Pathologist, North Dakota State Univ., Fargo, N.D.
Richard H. Shimabukuro	10/8/64	10/9/64	USDA position, North Dakota State Univ., Fargo, N. D.
Helmut O. Stingl	10/19/64	10/23/64	Res. Fellow, Tech. High School, Munich, Germany
G. Eldon Brown	2/1/65	3/24/65	Plant Pathologist, Citrus Expt. Sta., Lake Alfred, Florida
A. Asare-Nyako	2/26/65	3/8/65	Director of Plant Path. Research, Extension Services, Div. Scientific Services, Div. of Agriculture, Kumasi, Ghana, Africa
Lauren E. Carlson	4/14/65		Asst. Professor, Univ. of Minnesota
Claude C. Bernier	4/28/65	7/2/65	Taken a position in the Dept. of Plant Science, Univ. of Manitoba, Winnipeg, Manitoba, Canada
Raul Garza-Chapa	6/16/65	7/8/65	Colegio de Postgraduados, Chapingo, Mexico
David B. Schroeder	7/9/65	7/10/65	Extension Pathologist, Univ. of Connecticut, Storrs, Conn.
Ronald E. Welty	7/20/65	7/21/65	Post-doctorate, North Carolina State Univ., Raleigh, N. C.
S. M. ElKandelgy	8/4/65	9/13/65	Virologist, National Center for Research, Cairo, Egypt
S. M. Husain	9/17/65		
William M. Bugbee	9/28/65	9/29/65	Plant Pathologist, Univ. of Missouri, Portageville, Mo.

NEW STUDENTS START GRADUATE WORK

<u>Name</u>	<u>Arrival</u>	<u>Degree</u>	<u>Institution</u>	<u>Home</u>
Paul D. Rick	8/1/64	B.S.	Macalester College, St. Paul, Minnesota	St. Paul, Minn.
Abdul H. Zinada	8/6/64	B.S.	King Saud Univ., Saudi, Riyadh, Arabia	Riyadh, Saudi Arabia
H. Grant Vest	8/17/64	M.S.	Utah State Univ., Logan, Utah	Logan, Utah
Kuo Ao Feng	9/12/64	M.A.	Colorado St. College, Greeley, Colorado	Taiwan (Formosa), China
Mengistu Hulluka	9/14/64	B.S.	Haile Sellassie I Univ., Dire Dawa, Ethiopia	Dire Dawa, Ethiopia
Clyde J. Hurst	9/25/64	M.S.	Utah State Univ., Logan, Utah	Helper, Utah
Carlos R. Meza	1/7/65	Ing. Agr.	Univ. of Venezuela, Maracay, Venezuela	Estado Miranda, Venezuela
Annabelle E-pin Chang	3/1/65	B.S.	Nat. Taiwan Univ., Taipei, Taiwan, China	Taiwan (Formosa), China
Alan P. Roelfs	3/1/65	M.S.	Kansas State Univ., Manhattan, Kansas	Stockton, Kansas
Robert F. Nyvall	3/16/65	B.S.	Univ. of Minn., St. Paul	St. Paul, Minnesota
Ming-hsien Sun	3/23/65	B.S.	Nat. Taiwan Univ., Taipei, Taiwan, China	Tainan, Taiwan, China
Meira Silberman-Ziv	4/1/65	B.S.	Univ. of Sydney, Queensland, Australia	Tel Aviv, Israel
Gerald L. Crane	6/29/65	M.S.	Ohio Univ., Athens, Ohio	Athens, Ohio
Leland L. Hardman	7/14/65	M.S.	Oklahoma State Univ., Stillwater, Oklahoma	Igloo, South Dakota
Ronald D. Cheetham	7/19/65	B.A.	Univ. of Minn., Duluth Minnesota	Duluth, Minnesota
Jose J. Castaño	8/2/65	M.S.	Univ. of Minn., St. Paul	Colombia, S.A.
Dexter R. Douglas	8/3/65	M.S.	Univ. of Wyoming, Laramie, Wyoming	Wooster, Ohio
Eugene E. Saari	8/16/65	M.S.	Univ. of Minn., St. Paul	Floodwood, Minn.
Leslie H. Fuchigami	8/20/64	B.S.	Univ. of Hawaii, Honolulu	Honolulu, Hawaii
Louis T. Palmer	8/24/65	M.S.	Kansas State Univ., Manhattan, Kansas	Manhattan, Kansas
Bruce E. Haissig	9/1/65	M.S.	St. Univ. College of Forestry, at Syracuse Univ., Syracuse, N.Y.	Milwaukee, Wisconsin
Qwi-hee P. Lee	9/2/65	M.S.	Seoul Nat. Univ., Suwan, Korea	Kyungsangbuk-do, Korea
Richard H. Morrison	9/2/65	B.S.	California St. Polytechnic College, Pomona, Calif.	Van Nuys, California
Gary T. Vance	9/2/65	A.B.	Wilmington College, Wilmington, Ohio	Wilmington, Ohio
Philip C. Peterson	9/7/65	B.S.	North Dakota State Univ., Fargo, N.D.	Karlstad, Minnesota
Larry R. Hawf	9/8/65	M.S.	Southern Illinois Univ., Carbondale, Illinois	Mt. Carmel, Illinois
Simeon K. Imbamba	9/8/65	M.S.	Southern Illinois Univ., Carbondale, Illinois	Maragoli, Kenya

New Students (continued)

<u>Name</u>	<u>Arrival</u>	<u>Degree</u>	<u>Institution</u>	<u>Home</u>
Donal Moloney	9/14/65	B.A.S.	Univ. College, Dublin, Ireland	Dublin, Ireland
Joseph M. Vargas, Jr.	9/14/65	M.S.	Oklahoma State Univ., Stillwater, Oklahoma	Stillwater, Oklahoma
Roy L. Sturgeon	9/16/65	M.S.	Oklahoma State Univ., Stillwater, Oklahoma	Stillwater, Oklahoma
Diane S. Knight	10/1/65	B.S.	Wittenberg Univ., Wittenberg, Germany	Minneapolis, Minn.
Sinn Shyong Wang	11/8/65	M.S.	Univ. of Minn., St. Paul	Taipei, Taiwan, China
Elfriede M. Bednar	11/15/65	Ph D.	Univ. of Erlangen-Nürnberg, Staats Examine	Passau, Germany

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