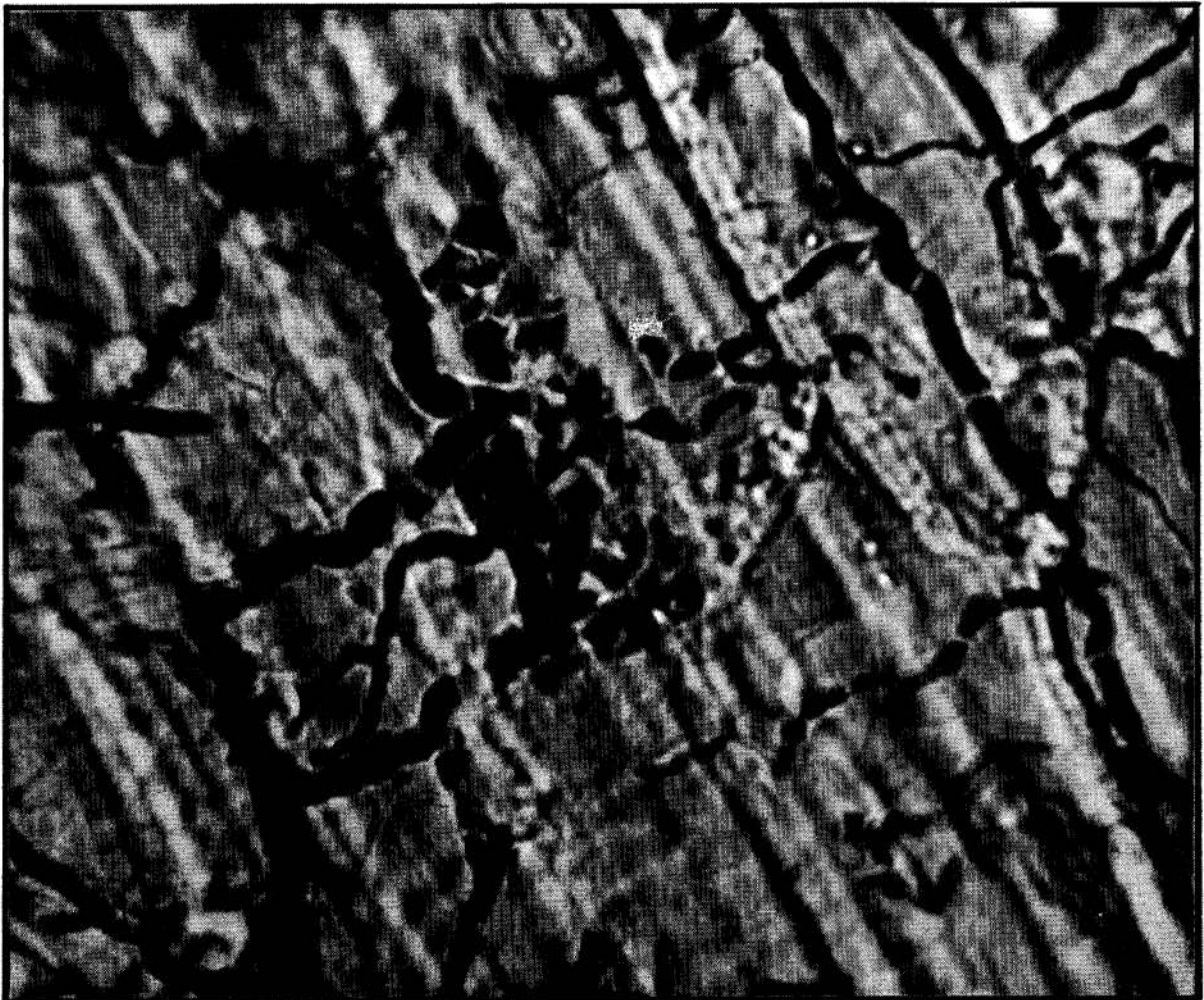


AURORA SPOREALIS

APRIL
1962



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BETTER LATE THAN NEVER

This is the first issue of Aurora since December, 1960, so your fears about being taken off the mailing list can be laid to rest.

The hyphae shown on the cover were growing in the pericarp of a wheat grain. Clyde Christensen made the picture.

J. J. CHRISTENSEN RETIRES

On June 21, 1961, over 200 friends honored Dr. J. J. Christensen and Mrs. Christensen at a dinner at the Campus Club on the Minneapolis Campus of the University. The occasion was J.J.'s retirement as head of the Department of Plant Pathology and Botany, a position he had held since 1953.

Chris had been associated with the department since April, 1917, when he started working in the field at \$50 a month (10 hours a day, including Saturdays). In October of that year he joined the army and remained in the service until May, 1919. He returned to plant pathology, became an instructor in the School of Agriculture in 1920. He received the B.S. Degree in 1921, M.S. in 1922, and Ph.D. in 1925.

Over 300 friends wrote letters of advice, congratulations, and reminiscence to J.J. which, with various snapshots, old and new, were bound into a book about 3 inches thick. (Chris now has another volume, a little smaller, in which the late arrivals were bound.) The same friends contributed over \$600 toward a gift which the committee spent for a copy of Gerard's Herbal (1st edition, 1597) and a watch for Mrs. Christensen, leaving a substantial amount of cash. Besides money, several people sent gifts. The graduate students presented him with a painting of himself that now hangs in the seminar room.

There were speeches of eulogy, congratulation, and advice from Dean Theodore Fenske, Drs. E. C. Stakman, Earle Hanson, and Max Schultze of the Biochemistry Department. The latter presented J.J. with a set of books from the Biological (Bug) Club, of which Chris has long been a member.

The outstanding feature of the evening was a review of J.J.'s life and career, composed by gifted graduate students and sung by a quartet consisting of Arthur M. Elliot, Ernie Banttari, Ted Ryan, and Ron Welty. Howard Bissonette was narrator and Al Wood master of ceremonies.

J.J. now occupies an office in room 212, which he shares with Harry Young. He also shares his vast knowledge of plant pathology with any and all who ask, drinks coffee in the office with the girls, comes to seminars, and works on a monograph on Ustilago maydis (zeae).

THANKS FROM J.J. AND MRS. CHRIS

Dear Friends--wherever you are--

Thanks for your contributions to the gifts for Mrs. Chris and J.J. Also we are most grateful for your rich letters and many photos, now neatly bound into a voluminous red book. This collection of letters and photos means more to us than we can ever tell you. We should write each one of you a personal letter; however this would be a gigantic task for a professor--fading away--as the letters number over 360. When we scan through these touching letters, we rejoice in your accomplishments and enjoy reliving our associations with you.

Thank you!!

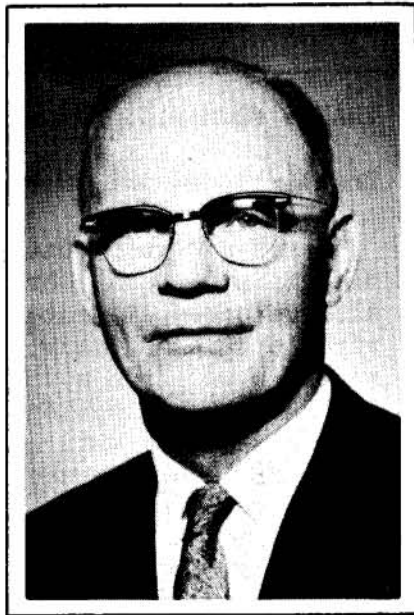
Department Heads – Plant Pathology



E. M. Freeman
1908-1940



E. C. Stakman
1940-1953



J. J. Christensen
1953-1961



M. F. Kernkamp
1961-

The present Department of Plant Pathology and Botany formerly comprised several sections, including a Section of Plant Pathology. Dr. Stakman was official head of this section from 1913 until he became head of the entire department in 1940.

RAY LANDON RETIRES

May 24, a warm spring day, found 75-plus members of the department and friends assembled at Napoleon's--one of the better-known watering-holes along University Avenue. The occasion: Ray Landon's retirement party. After the pre-party merriment, the group adjourned across the hall for the banquet. Bernie Beadle (retired in March of this year, and on an around-the-world cruise) served as M.C. of the affair and proved to be a story-teller second only to Ray himself. J. J. Christensen reminisced about the days of old when the whole department was in the Tottering Tower. He called attention to the many friends Ray has around the world and the many students Ray has helped with their studies and research. A book of letters from these many friends was given to Ray. John Rowell presented Ray with a rock cutting and grinding outfit and a collection of stone from old friend Ken Blanchard. Ray's wife, Agnes, was the surprised recipient of a gift certificate for records.

Ray and Mrs. Landon are still living at 5253 44th Avenue S., Minneapolis, where Ray enjoys his books and archeological collection. Occasionally he comes over to get botany or has coffee with the group at the student center.

DR. M. F. KERNKAMP BECOMES HEAD OF PLANT PATHOLOGY

Dr. M. F. Kernkamp, who became head of the Department of Plant Pathology and Botany on July 1, 1961, was born and raised on a farm near St. Paul, Minnesota. He attended the University of Minnesota, receiving the B.S. Degree in 1934, the M.S. in 1938, and the Ph.D. in 1941. In 1935 he was assistant pathologist at the Texas Agricultural and Mechanical College after which he returned to Minnesota to continue graduate work as a research assistant and instructor. After completing the Ph.D. he was assistant pathologist with the United States Department of Agriculture stationed at Meridian, Mississippi, working on diseases of sugar crops.

During 1942-46 Dr. Kernkamp served in the army in Italy and Africa, holding the rank of Captain. After the war he continued in the reserve and now holds the rank of Lieutenant Colonel (Retired).

Soon after his active service in the army, Dr. Kernkamp returned to Minnesota as assistant professor of plant pathology. He was made associate professor in 1949 and in 1956 was appointed assistant director of the Minnesota Agricultural Experiment Station, a position he held until his appointment as head of the Department.

In the summer of 1960 he toured Europe for 4 months, visiting many agricultural research institutes and conferring with the investigators working at those institutions.

THE TRAVELS OF E. C. STAKMAN

El Jefe Grande E. C. Stakman spent a considerable part of 1961 in Mexico, mainly at the Colegio de Post-Graduados at Chapingo. In the spring he visited colleges in northeastern Mexico -- at Monterrey, Instituto Tecnológico y de Estudios Superiores, where he saw Old Timers L. H. Robles, Luis Carlos Felix, and Manuel Rojas-G.; at Saltillo, Escuela Superior de Agricultura "Antonio Narro," where he saw OT Gabriel Murillo and Baldomero Córdoba. Time was devoted to an international committee for the organization of the V. Reunión Latinoamericana de Fitotecnia, held in Buenos Aires Nov. 6-13 (See below). Some of the summer was spent in St. Paul, then Mexico again in September, New York in October for the Rockefeller consultants' meeting, and return to Mexico. In the meantime, ECS served on a special committee for the permanent organization of the Asociación de Fitotecnia, which will concern itself with future Reuniones. Old Timers who also served on this committee were Daniel Mesa Bernal, Director General de Agricultura in Colombia, and Alvarez Montaldo, now in Venezuela.

At the V Reunion in B.A., ECS was chairman of a round-table on education. Twenty Old Timers attended the Reunión: R. Cardenosa,

Stakman Travels (continued)

Dave Thurston, John Gibler, Norm Borlaug, Rosendo Postigo, J. Rupert, A. Castronovo, A. Campos, R. Orellana, S. Fuentes, D. Mesa, H. Cenoz, Elisa Hirschhorn, Bill Loegering, A. daSilva, E. Favret, J. Ortega, A. Rodriguez, and E. Godoy.

Enroute from B.A., there were visits in Chile, Peru, Colombia, once again Mexico, and St. Paul in time to hang the Christmas stocking.

OLD TIMERS' COLUMN

Two Old Timers were honored at a dinner on the Minneapolis Campus of the University of Minnesota on January 11. Dr. H. H. Flor, flax-disease specialist with the U. S. Department of Agriculture at Fargo, North Dakota, received the Minnesota Outstanding Achievement Award. Dr. Norman E. Borlaug, Director of the RF project on Inter-American wheat improvement, received the Elvin Charles Stakman Award.

Late September brought Dr. and Mrs. John Churchward from Java, via Europe, for a tour of the old Tottering Tower. Their address is now Australia: 6 Kareela Road, Chatswood, New South Wales.

Francis A. Wood attained Old Timer status on August 22, 1961, when he passed the final Ph.D. examination and left for Pennsylvania State University to become Assistant Plant Pathologist in forest pathology.

Another new Old Timer is Donald P. Taylor, who left Minnesota in October to become Assistant Professor of Nematology at the University of Illinois.

J. Walter Hendrix is spending his sabbatic leave (1961-62) in the U. S. Chemical Corps Biological Laboratories at Fort Detrick, Maryland.

Arden F. Sherf of Cornell spent his sabbatic leave at the University of California at Davis.

In October 1961, Charles E. Logsdon, of Alaska, began a year's stay at the Agricultural College of Norway, Vollebakk, where he will attempt "to define common circumpolar disease problems."

Robert J. Noble, of Sydney, has "retired" once more, after devoting 9 months as member of a government committee of three which inquired into the sugar industry and sugar-using industries of Australia.

Tom and Prue Nicolson claim to be enjoying their new location in Dundee, Scotland, after the industrial midlands of England.

The John Vaughns, who will return to Wyoming from Afghanistan in May, planned to meet the M. L. Gattanis in Delhi for a short trip together this January.

The E. A. Andrews of Wyoming had dinner early in 1962 with the Andrew Downies in their new home in Littleton, Colorado.

Extension plant pathologist M. C. Shurtleff, Iowa State University, accepted a position in plant pathology at Illinois on July 1, 1961.

David Gottlieb was appointed on Sept. 1 to the Center of Advanced Studies at Illinois, which is a special unit of the Graduate College for "encouragement of creative achievement and scholarship..."

H. H. Thornberry, also of Illinois, spent 6 months sabbatic leave in 1961 in Western Europe on a grant from AIBS to organize an international center for technical information services in phytovirology.

Frank H. Kaufert, director of the Minnesota School of Forestry, received the Distinguished Service Award from New York State College of Forestry on April 16, 1961.

Eric G. Sharvelle, Purdue University, presented a paper at the International Symposium on Crops Protection held at Ghent, Belgium, in May.

Old Timers (continued)

Visitor Riley Konerza, private researcher in Mexico, brought brazos to friends at St. Paul from Gabriel Murillo and Benjamin Ortega.

Ricardo Rodriguez, recent Old Timer, functions as head of the plant pathology section at San Jose, Costa Rica.

J. George Harrar was appointed President of The Rockefeller Foundation in June, 1961.

New address for Donald E. Munnecke, effective July 1: Department of Plant Pathology, University of California, Riverside.

The first graduate student in plant pathology in the new program at Riverside is reputed to be John Kotheimer, who "bubbled out of the fount" at Minnesota last summer.

New position for Erwin Schwinghamer: Inland Empire Research Center, 157 S. Howard St., Spokane 4, Washington.

According to temporary Australian Thor Kommedahl, Dr. W. L. Waterhouse was elected a Fellow in the Australian Institute of Agricultural Science in 1960.

W. E. Sackston, of Macdonald College, Montreal, spent 3 months in 1961 in the U.S.S.R. on a scientific exchange sponsored by the Canadian National Research Council and the Academy of Sciences of the U.S.S.R. Enroute he saw OTs J. C. Santiago in Portugal, J. Vallega and Lee Ling in Rome, and possibly others we have not heard about.

Married is Dr. Wolfgang Koch, of Göttingen, Germany, to Christa Seiferth of Guatemala.

First-born child of John and Eunice (Quale) Dreher is Rebecca Jane, April 15, 1961.

New address for Glen A. Hemerick: RFD 3, Norwich, Connecticut.

Office housecleaning at Madison, Wisconsin, George Hafstad disposed of some relics by sending them to Minnesota!

Frank Frolik, B.S. 1918 Minnesota, sent a picture on which he wrote "I happen to be one of the deserters from the Plant Path ranks. Most of my labors in Plant Path had been with the USDA, chasing all over in an effort to throw some additional light on the mysteries of Puccinia graminis. Since about 1925 I was in the insurance business. Retired since 1955. Now a gentleman(?) of leisure in my old home town of New Prague, Minn."

New address for Dr. Ian W. Tervet is 3027 Sherman Road, Pebble Beach, Calif. Says he has been there since 1957, "working for the Army as Scientific Advisor for the Combat Development Experimentation Center ...reminds me in some ways of the problems of trying to breed wheat or potatoes for our settlements on Mars or on the Moon, where we don't know what the environments are going to be..."

Ing. Carlos Barbosa is now working in Mexico City with Coker de Mexico, where Ing. José (Pepe) Rodriguez is manager. The latter, as he travels, has opportunity to visit "other Minnesotans, among them Luis Carlos Felix, Leonel Robles, Benjamin Ortega, etc., and we frequently remember with pleasure our stay in that University."

Dr. T. Johnson, director of the Canadian Department of Agriculture's Research Station at Winnipeg, was awarded a Gold Medal by the Professional Institute of the Public Service of Canada in March 1962 "for an understanding of the genetic variability in the rust fungus, thereby leading to high quality rust resistant varieties of wheat" (Ottawa Journal). This is one of many honors held by Old Timer T.J., among them the Minnesota Outstanding Achievement Award and the Stakman Award. The Gold Medal was presented in Ottawa at the annual Institute dinner, attended by OTs Ibra L. Conners, W. F. Hanna, and J. H. Craigie. Dr. Craigie had received the first Gold Medal to be awarded by the Institute.

Mrs. Zehara Hershenzon, since her return to Israel in 1960, reports that she has been working on Sclerotium rolfsii and on peanut seed diseases.

Old Timers (continued)

Curtis and Martha Roane, of Blacksburg, Virginia, have started building a new house, which will have "much more room for visitors."

New address for science teacher Frances Haglund: 940 Waukegan Road (Apt. 1-C), Deerfield, Illinois.

"A little bit older, a little more active (a 9-year-old boy sees to that), a little more even tempered and mature, underpaid and overworked, in a brand-new building with wonderful facilities and staff, so I guess I have no complaints."--This is our lesson for this issue, contributed (innocently) by Dr. James "Jim" Lyle, of Alabama's Auburn University.

Guthrie Sanford, of Edmonton, Canada, allegedly ate potatoes (his first love at Minnesota) all over Canada and the U. S. last summer, from Victoria, B. C. to Toronto to Florida, to Edmonton. Gained 10 lb., but not, allegedly, entirely due to potatoes.

VISITS BY OLD TIMERS

The last Aurora (Sept.-Dec., 1960) recorded the visit on Jan. 31, 1960, of Ray Bulger of Minneapolis. Since then the following Old Timers have signed the visitors' book: (February, March, and April were poor months). 5/10, Joan and Harry Young, Oklahoma State University; 5/19, Thorvaldur Johnson, C. D. A. Research Station, Winnipeg; 6/2, Ann and Clark Livingston, Colorado State Univ. (Clark passed his prelim); 6/14, Norman Borlaug, Rockefeller Foundation, Mexico, D.F.; 6/21, Henry Darling and Earle W. Hanson, University of Wisconsin. With them were former Minnesotans D. S. Smith (Agronomy) and Etlar Nielsen (Botany) who took courses in plant pathology, and Dr. Glenn Pound, present head of plant pathology in Wisconsin, all to attend the Christensen retirement party; 6/22, Lloyd Brinkerhoff, Oklahoma State University; 6/26, Riley Konerza, Mexico; 6/28, Al Ellingboe and Axel Anderson, Michigan State University; 6/29, K. W. Kreitlow,

USDA-ARS, Beltsville; 8/23, George Hafstad, who is working on Dutch elm disease in Madison, Wisconsin; Michael G. Boosalis, University of Nebraska; Paul R. Fridlund, Irrigation Experiment Station, Prosser, Washington; 9/1, Jack Mitchell, University of Wisconsin; 9/14, C. C. Allison, Ohio State University; 9/24, Roger Anderson, University of Wisconsin; 9/27, Dr. and Mrs. John Churchward, Java.

OBITUARIES

Mrs. E. C. Stakman, stricken without warning by a heart attack, passed away on January 19th, 1962. Before her marriage to Dr. Stakman in 1917, Louise Jensen was on the staff of Plant Pathology and Botany as Mycologist, was the author or co-author of several research papers, and aided greatly in the establishment of the mycology herbarium, many of the specimens of which still bear her name. Although her professional career in Plant Pathology terminated with her marriage, her interest in things mycological and plant pathological never ceased, but combined with an interest in many other fields of arts and sciences that enabled her to live an intellectually rich and many-faceted life. Generations of graduate students knew her as friend, confidant, and counsellor whose springs of understanding never ran dry, and her multitude of friends in many lands, whose lives were enriched by her friendship, mourn her passing.

Moses Levine, USDA Plant Pathologist on the St. Paul Campus for almost 40 years, passed away January 31st, 1962, in Atlanta, Georgia, where he had been living with his son. Born in Latvia in 1886, he came to the United States as a youth, where he received the B.S.A., M.Sc., and Ph.D. Degrees from the University of Minnesota. From the early 1920's until his retirement in 1955 his work was devoted mainly to black stem rust of cereals. After his retirement he was for a time guest professor at Hebrew University, and also conducted cereal rust work in Israel.

Obituaries (continued)

Dr. George P. Steinbauer, Old Timer who received his Ph.D. in plant physiology under Dr. R. B. Harvey in 1929, died at East Lansing, Michigan, March 20, 1961. Dr. Steinbauer, a native of Owatonna, Minnesota, accepted a position on the staff of the Botany Department at the University of Maine soon after receiving his doctorate, and remained there until 1946. At that time he transferred to the Botany Department of Michigan State College (now State University) where he taught and carried on research in plant physiology. His teaching was thorough, lucid, and competent and his many research papers testify to his professional contributions in the fields of plant physiology in which he maintained an unflagging interest.

Herbert W. Sachs, Senior Experimental Plot Supervisor, who had been in charge of the experimental area for Plant Pathology at Rosemount since the spring of 1954, died June 30, 1961. Mr. Sachs was born July 28, 1903 in South St. Paul, Minnesota, went through grade and most of high school in St. Paul, and was engaged in dairy farming and truck gardening for more than 30 years near what later became the Rosemount experimental plots. He had a deep and understanding interest in the experimental work carried on in the plots under his supervision, an unusual ability to organize work efficiently and well, and he won the respect of all who worked with him. His expert supervision, help, and advice will be difficult to replace.

PLANT PATHOLOGY STILL GROWING; NEW RESEARCH FACILITIES IN USE

The change in administration seems a good time to summarize some of the changes that have taken place in the department since many Aurora readers have been here. New and old building space has been acquired, new equipment purchased, new staff members hired. Some of the latter replace others who have retired or taken positions elsewhere; some to fill new

positions that the needs of the times have made necessary. Unfortunately, the new crops research building makes it necessary to house the staff and students in three buildings instead of two, which was bad enough. But it makes much-needed research facilities available, and relieves some of the overcrowding that has hampered work in the present plant pathology building and the old Tottering Tower.

The new crops research building was supposed to be ready for occupancy on February 19. Actual moving didn't begin until March 31. The new building is a 2-story structure about 150 yards east of the present plant pathology building, and will be occupied by the departments of Agronomy and Plant Genetics, Plant Pathology and Botany, Soils, and Biochemistry. It has about 14,000 square feet of floor space and is the first of 4 units planned for eventual construction.

At present plant pathology will occupy 8 laboratories, 4 offices and a store room, and use jointly with the other departments 4 custom built and 5 ready-made controlled environment rooms. There are also several cold storage rooms for joint use.

It is presently planned that 5 USDA cooperators in plant pathology, 1 University staff man and about 20 graduate students will have office and laboratory space in the new building. Two regular staff members will have laboratory space there, but keep their present offices in the main plant pathology building.

The new laboratories will provide for much-needed expansion in several lines of plant pathology research, especially in physiology of parasitism. Except for the work in the controlled environments, research and teaching in agricultural botany and physiology will continue in the old Tottering Tower. This work and the federal rust laboratory now occupy all of the old building--more than ever before since the state seed laboratory and the potato certification offices were moved about a year ago to the state office building near the state capitol.

Another welcome opportunity for expansion came a couple of years ago when the department acquired space in the greenhouses formerly in commercial use by the Gibbs-Nelson Co. These, including a small area of land, are west of the St. Paul Campus on Larpenteur and Cleveland Avenues, and were acquired by the University several years ago. Plant Pathology now uses the old country school house that stands on the corner of the property for storage.

Greenhouses presently in use besides the above include those behind the present building and behind the Tottering Tower, and a new range east of the building which were built about 10 years ago.

Many will remember that a large area near Rosemount, Minnesota, 25 miles south of the St. Paul Campus, was acquired by the University after World War II. Of approximately 2500 acres used by the Institute of Agriculture for experimental purposes, the department of plant pathology has about 120 acres for plot work, which permits adequate rotation. The department has a small machine and tool shed, a small office building, and a building housing special weather recording instruments on the Rosemount field. A new well will permit irrigation when this is desirable.

Data on the present staff of the department are given below. Besides the full-time positions, there are presently 2 teaching assistants and 31 research assistants who are working toward advanced degrees.

<u>Name</u>	<u>Position</u>	<u>Field of interest</u>	<u>Degrees</u>
Neil Anderson	Assistant Professor	Mycologist; diseases of ornamentals	B.S., M.S., Ph.C., Minnesota
Grace Aschenbach	Principal Secretary	Main office	B.A.A., Minnesota
Ernest Banttari	Research Fellow	Forage diseases	B.S., M.S., Minnesota
Orville Bielenberg	Experimental Plot Supervisor	Rosemount field work	
William Bushnell	Plant Physiologist USDA	Physiology of cereal rusts	B.A., U. Chicago; B.S., M.S., Ohio State; Ph.D., Wisconsin
C. M. Christensen	Professor	Mycology; stored grain spoilage	B.S., M.S., Ph.D., Minnesota
J. J. Christensen	Professor Emeritus	"Biology in general"	B.S., M.S., Ph.D., Minnesota
R. U. Cotter	Pathologist USDA	Cereal rusts on barberry	B.S., Utah A. C.; M.S., Ph.D. Minn.
Ronald P. Covey	Research Fellow	Flax diseases	B.S., M.S., Ph.D., Minnesota
Richard Durbin	Assistant Professor	Physiology of parasitism	B.S., Ph.D., U. California
Carl J. Eide	Professor	Vegetable diseases	B.S., M.S., Ph.D., Minnesota

Ronald Eischen	Senior Lab Attendant	Physiology laboratory	
Karl Fezer	Assistant Professor	Cereal diseases	B.S., Ph.D., Cornell; M.S., Haverford
Richard Frederiksen	Pathologist USDA	Flax diseases	B.S., M.S., Ph.D., Minnesota
David French	Associate Professor	Forest pathology	B.S., M.S., Ph.D., Minnesota
Fred Frosheiser	Pathologist USDA	Forage diseases	B.S., M.S., Wyoming; Ph.D., Minnesota
Wiley Garrett	Research Fellow	Stem rust	B.S., M.S., Texas A & M
Constance Grage	Senior Clerk Typist	Main office	
Helen Hart	Professor	Stem rust	B.S., M.S., Ph.D., Minnesota
Laura M. Hamilton	Translator USDA	Stem rust	
Herbert Johnson	Professor	Extension plant pathology	B.S., Ph.D., Minnesota
Bill Kennedy	Research Fellow	Soybean diseases	B.S., S. E. State; M.S., Oklahoma State; Ph.D., Minnesota
M. F. Kernkamp	Professor and Head	Department head	B.S., M.S., Ph.D., Minnesota
T. H. King	Professor	Diseases of fruit, canning crops	B.S., N.D. A & M; M.S., Ph.D., Minn.
Thor Kommedahl	Associate Professor	Ag botany, soil- borne diseases	B.S., M.S., Ph.D., Minnesota
Roland Line	Research Fellow	Stem rust	B.S., M.S., Minn.
A. J. Linck	Professor	Plant physiology	B.S., M.S., Ph.D., Minnesota
Richard Lutey	Research Fellow	Microflora of barley	B.S., Michigan State; M.S., Minnesota
Marvin Madsen	Experimental Plot Supervisor	St. Paul field work	
Josephine Bertisch	Senior Lab Attendant	Plant pathology laboratory	
William Merrill	Instructor	Wood products deterioration	B.S., New Hampshire; M.S., Minnesota

James Miller	Pathologist USDA	Stem rust	B.S., Hamline; M.S., Minnesota
M. B. Moore	Instructor	Oat diseases	B.S., M.S., Minnesota
David Mumford	Research Fellow	Barley diseases	B.S., M.S., Brigham Young
Mary Jane Retka	Clerk-Typist	Main office	
Bill J. Roberts	Pathologist USDA	Rusts of oats	B.S., M.S., Oklahoma State
John B. Rowell	Associate Professor; Plant Physiologist, USDA	Physiology of cereal rusts	B.S., Rhode Island State; Ph.D., Minn.
E. C. Stakman	Professor Emeritus	All knowledge; Rockefeller Foundation	B.S., M.S., Ph.D., Minnesota; D.Nat.Sc. (Hon.) Halle; D.Sc. (Hon.), R.I., Yale, Wisconsin, Minnesota
D. M. Stewart	Pathologist USDA	Stem rust	B.S., Ph.D., Minn.
T. W. Sudia	Assistant Professor	Plant physiology	B.S., Kent; M.S., Ph.D., Ohio State
Roy Wilcoxson	Associate Professor	Forage diseases	B.S., Utah A.C.; M.S., Ph.D., Minn.

On July 1, Roger V. Anderson will join the staff as assistant professor to fill the vacancy left by the resignation of Dr. Donald Taylor. Roger received the bachelor's degree from Augsburg College in Minneapolis in 1953 and the M.S. in plant pathology from Minnesota in 1958. In 1958-59 he spent a year in Norway studying plant nematodes. He returned to take graduate work in nematode diseases at the University of Wisconsin and expects to receive the Ph.D. degree this spring. He will be in charge of research and teaching of nematode diseases in the department.

STAFF MEMBERS TRAVEL:
TWO ON SABBATIC LEAVE

Dr. Thor Kommedahl left with his family in August 1961 for Australia where Thor will work on soil-borne plant pathogens and related problems at the Waite Institute, University of Adelaide. They will return to Minnesota September 1, 1962. Thor is on sabbatical leave and has a Guggenheim fellowship.

M. B. Moore left in January, 1962, for the Agricultural Experiment Station at Palmer, Alaska, where he will be a consultant on barley yellow dwarf, stripe, and other field crop diseases. Matt and Dorothy and Doug traveled in a new Ford "bus" which the Palmer Station purchased here. They planned to visit Canadian experiment stations on the way. They arrived safely and, so far as we will know until Matt gets back, without any unusual incident. His communiques to date reveal that milk is 86¢

Staff Members Travel (continued)

per half gallon, and that one should always be on the alert for bear and moose, which are dangerous. Matt is on sabbatical leave until September 1.

Dr. Clyde M. Christensen and Mrs. Christensen will leave May 4 by boat for Europe and expect to return about June 27. Clyde will attend a meeting of the German Cereal Chemists Society at Detmold May 15-17 where he will present a paper on grain storage molds. He will also go to Vienna to a meeting of the International Cereal Chemists Society on June 6-9. Clyde is chairman of the committee on microbiology of cereals and cereal products in this society. Other visits will include the FAO headquarters in Rome to confer with the people interested in grain storage; grain importers and importation facilities at Hamburg; the Pest Infestation Laboratory at Slough-Bucks, England; and the Carlsberg Microbiological Laboratory in Copenhagen.

Dr. David French promoted himself a trip of about 10 days to Mexico. He traveled by car in a large area in the vicinity of Mexico City. He liked what he ate, what he drank, and what he saw and he would like to go back.

HARRY YOUNG AND R. C. F. MACER
HERE TO STUDY CEREAL RUSTS

Dr. Harry C. Young, Jr., old-timer and Professor of Plant Pathology at Oklahoma State University, has been in the department since August, 1961, working on the relation of species of *Thalictrum* and *Isopyrum* to variability in *Puccinia recondita*. Harry has a year's leave from his position in Oklahoma and a Guggenheim fellowship. Mrs. Young and daughters are in St. Paul too.

Dr. R. C. F. Macer of the Plant Breeding Institute, Trumpington, Cambridge, England, arrived April 1 for a 2-month stay in the department. Dr. Macer is studying cereal rusts and before coming here spent 3 months in Beltsville.

PLANT DISEASE CLINIC
SERVES THE PUBLIC WELL

From June 1 through September 15, the Plant Disease Clinic was in operation for the 6th consecutive year to provide for the identification of and recommendations for disease control of cultivated plants. In addition to the Research Fellow who coordinates and directs the activity of the clinic, in 1961 a research assistant was added to the clinic staff to handle incoming phone calls from 8 a.m. to 12 noon. As in the past all graduate assistants in the department serve 1 week during the summer.

The number of inquiries handled each year has steadily increased, 1961 was not an exception; from 1956 through 1960 there were 667, 693, 1,178, 1,828, and 2,449, respectively. During the 1961 clinic operation there was a total of 2,793 specimens and phone calls; 1,387 were specimens. The majority of the specimens and 73% of the phone calls originated in the Twin Cities. As in the past, inquiries concerning forest and shade trees were the most common (58%).

The discovery of the Dutch Elm Disease in Minnesota resulted in a marked increase in the number of elm samples received. Of 147 samples examined for the presence of the wilt fungus, only one case of Dutch Elm Disease occurred, involving five trees 50 miles north of the Twin Cities.

The five most common problems encountered during the clinic's operation were, in order of importance, insect damage to elm, elm wilt, oak wilt, cedar apple rust, and 2,4-D damage. The previous accounted for 36% of the total inquiries.

There were several cases of 2,4-D damage (applied at recommended rates) on small grains in northwest Minnesota which may have been the result of below normal rainfall, resulting in increased plant susceptibility to spray damage.

--George Bean

TWENTY-TWO RECEIVE DEGREES;
SOME LEAVE FOR JOBS ELSEWHERE

Below are listed the names of people receiving advanced degrees since the last Aurora (with the usual allowance for error). Those listed as having a St. Paul address are still in the department taking more graduate work or in permanent positions.

<u>Name</u>	<u>Date of degree</u>	<u>Date left</u>	<u>Position and address</u>
<u>Ph.D.'s</u>			
Ronald P. Covey	March 1961	-	Research Fellow, St. Paul
Arthur M. Elliot	December 1961	September 1961	Teaching in Department of Biology, Texas Technological College, Lubbock, Texas
Richard A. Frederiksen	December 1961	-	ARS, USDA, St. Paul
Robert W. Goth	June 1961	April 1961	Vegetables and Ornamentals Research Branch, Crops Research Division, USDA, Beltsville, Maryland
Julia Guzman-Naranjo	July 1961	June 1961	Centro Nacional de Investigaciones Agricolas Tibaitata, Bogota, Colombia
Monty D. Harrison	December 1961	December 1961	Plant Pathologist at Colorado State University and Experiment Station, Fort Collins, Colorado
Bill W. Kennedy	December 1961	-	Research Associate, St. Paul
Roger G. Lambert	August 1961	September 1961	Department of Biology, University of Louisville, Louisville, Kentucky
John H. Ohman	July 1961	July 1961	Lake States Forest Experiment Station, P. O. Box 718, Marquette, Michigan
Donald P. Taylor	April 1960	October 1961	Professor in Plant Pathology, University of Illinois, Urbana, Illinois
Francis A. Wood	August 1961	August 1961	Department of Botany and Plant Pathology, Pennsylvania State University, University Park, Pennsylvania

Degrees Obtained (continued)

M.S.

Yong Sup Cho	December 1961	August 1961	Department of Ag. Biology, College of Agriculture, Seoul National University, Suwon, Korea
Richard W. Fields	March 1961	April 1961	Velsicol Chemical Corp., 330 East Grand Avenue, Chicago, Illinois
Merle N. Follstad	June 1961	-	Research Assistant, St. Paul
David L. Gerwitz	June 1961	-	Research Assistant, St. Paul
Larry J. Littlefield	March 1962	-	Research Assistant, St. Paul
Luis Cesar Lopez	March 1962	March 1962	Ministry of Agriculture, Mexico D.F.
Muhammad A. B. Mallik	July 1961	July 1961	Department of Botany, University of Oklahoma, Norman, Oklahoma
William Merrill, Jr.	June 1961	-	Research Assistant, St. Paul
Charles Wesley Miller	August 1960	January 1962	Department of Entomology, Rutgers University New Brunswick, New Jersey
Dale A. von Ruden	December 1961	-	U. of M. Medical School, Minneapolis
Ronald E. Welty	December 1961		Louisiana State University, Baton Rouge, Louisiana