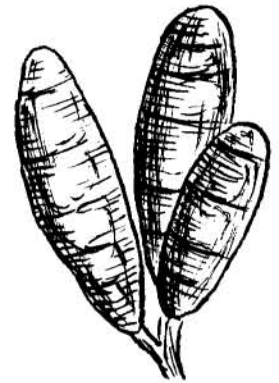
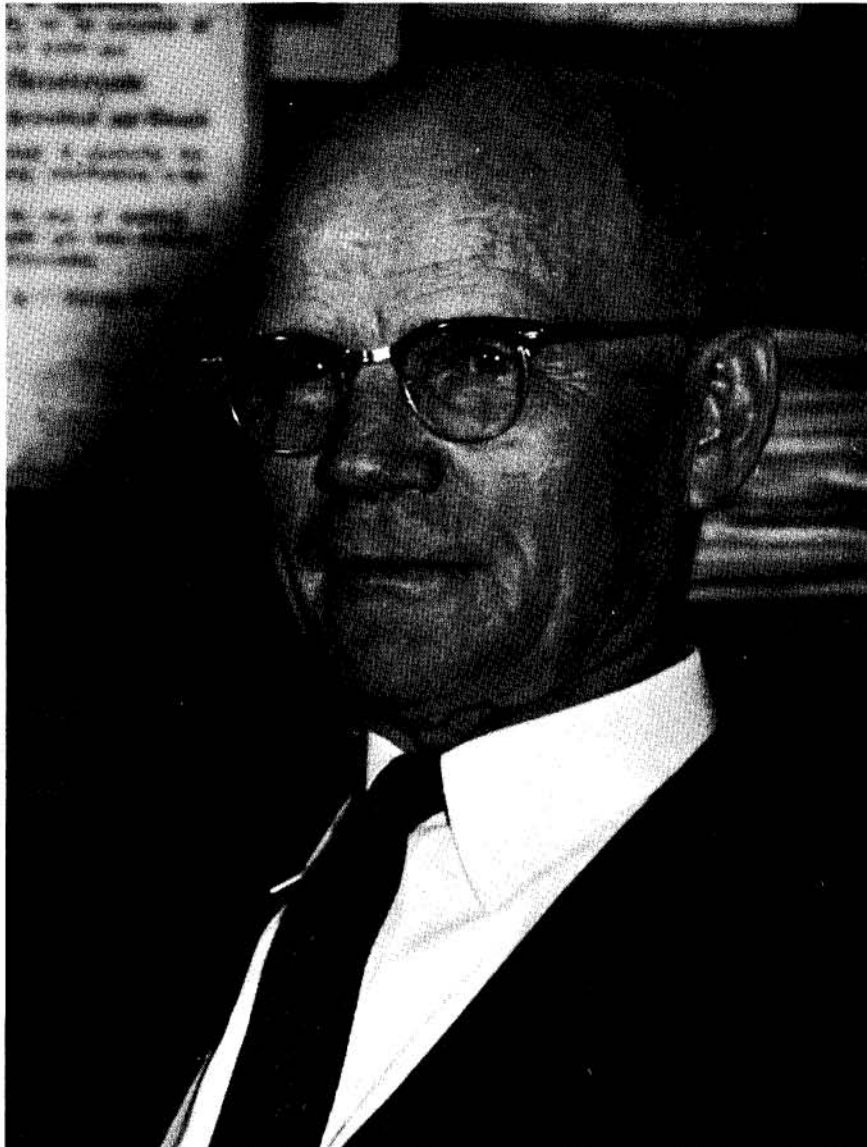


Aurora Sporealis

AUGUST 1964



J. J. CHRISTENSEN

1892-1964

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

St. Paul, Minnesota 55101

J. J. CHRISTENSEN DIES

Most of our readers will have learned long before this of the death of Dr. J. J. Christensen on June 20, 1964, in Green Bay, Wisconsin. He had returned only a few days before from a stay of over 4 months in Denmark, and had gone to Green Bay to visit his wife, Phyllis, and oldest son, Dr. Phil, who practices there.

J. J. or Chris, as he was known familiarly and affectionately to so many of us for so many years, was born in 1892 near Hutchinson, Minnesota, where he received his first schooling. After graduation from high school he taught in a country school near Mercer, North Dakota, in 1915-16. Shortly after the U. S. became involved in the first world war he joined the army and rose to the rank of sergeant in the medical corps. After his discharge in 1919 he worked as a Field Agent for the Federal Horticultural Board, and in the summer of 1920 as State Potato Inspector; in the fall of 1920 he joined the Department of Plant Pathology and Botany, with which he was so long and honorably connected, as Instructor in Agricultural Botany. He received the B. S. degree in 1921, M. S. in 1922, and Ph. D. in 1925, by which time he already was the author of one bulletin, coauthor of another, and author or coauthor of 5 technical papers and abstracts foreshadowing a productiveness that was to continue unbroken and unabated for 40 years.

His foreign experience included a year of postgraduate study in 1929-30 at the University of Berlin, Germany, on a Guggenheim memorial Fellowship, several months in Japan in 1950 as a Visiting Expert, N. R. S., G. H. Q., SCAP, plant pathological work for the Chemical Corps in South American countries and Mexico in 1950, and advisory services with the Mexican agricultural program of The Rockefeller Foundation in 1951.

From July 1, 1953 to June 30, 1961 he was Head of the Department of Plant Pathology, University of Minnesota, and from 1961 to the time of his death was Professor Emeritus.

Chris' devotion and dedication to the advancement of science and the betterment of mankind were sincere, genuine, and boundless, and his energy in teaching and research was inexhaustible, right up to the time of his death. No one of us who ever came in contact with him for more than a few minutes could fail to have been infused with his infectious enthusiasm. That this enthusiasm was sometimes expressed in somewhat unorthodox syntax, and occasionally spiced with a Hutchinson-Danish accent rather than in precise and pedantic professorial lingo, added to, rather than detracted from, the sharing of his intellectual wealth and spiritual vigor.

In both teaching and research he had the rare ability to make things come alive. Work to him was not a routine and mundane chore but an adventure and a delight. Even as Head of our Department, with all its burdensome administrative duties and details, he still retained his lively interest in and unquenchable enthusiasm for the day-to-day progress of research, and regularly offered advice, counsel, and criticism in laboratory and field.

Chris was no narrow specialist, although his major contributions, of course, were in rather specialized fields. He knew the grasses and weeds of Minnesota probably as well as any other man, and had an extensive knowledge of the regional flora from fleshy fungi to the Compositae. A field trip with him on a Sunday morning in the early 30's was a mind-opening (and sometimes leg-taxing) introduction to fleshy fungi, wild flowers, weeds, grasses, shrubs, trees, and the principles of taxonomy and ecology.

J. J. CHRISTENSEN (continued)

The awards and recognition that came to him, at home and abroad, for his many solid achievements in practical agriculture and basic science never made the slightest change in his relationships to others--straightforward, without guile, unpretentious, modest, and self-effacing. We mourn his loss, but we and many others who knew him long will remember with affection, gratitude and respect what he gave to us so generously. May his spirit never perish from the earth.



Dr. Ralph U. Cotter died in St. Paul on July 1, 1964, after a short illness which began while he was on one of his periodic rust-epidemiology trips. He was 67 years old, having been born at Lehi, Utah, on September 18, 1896.

Cotter had been a federal member of the Cooperative Rust Laboratory, under its various designations, since 1922. Prior to that he had been in charge of barberry eradication in Wyoming. A graduate of Utah Agricultural College, he obtained the M.S. and Ph.D degrees at Minnesota in 1924 and 1929, respectively. The fields of Cotter's professional activity while a member of the rust laboratory included especially the factors affecting the development of the aecial stage of Puccinia graminia; determination of the resistance and susceptibility of various

species and hybrids of barberry; rust epidemiology, including field observations, wind dissemination of spores, assistance in race identification; and the genetics of Puccinia graminis. He was sole or joint author of 35 scientific publications and numerous processed reports listing resistant and susceptible barberries.

Old Timers will remember Cotter as a quiet, dignified gentleman with a wry sense of humor and a gift for quaint and pungent expression. His intimate colleagues will remember him as a thorough and conscientious investigator who always did his job, whatever and wherever it was, and as an independent thinker with a flair for intellectual shrewdness.

Cotter's daughter Shirley majored in botany at the University of Minnesota, took a number of courses in plant pathology, and served as laboratory assistant during several periods of time. His son Ralph Dale also survives him. Mrs. Cotter, the former Myra Knudson, was always helpful in an unobtrusive and kindly way in the extra-curricular affairs of the Department. Their loss is ours also.



Mrs. Mary P. Skinner, whom some of the older Old Timers will remember as secretary in the Plant Pathology office in the old Tottering Tower and then as Dean Freeman's secretary, died on April 19, 1963, of myeloma of the bone marrow. After leaving Dean Freeman's office, Mrs. Skinner became Assistant to Dean Nicholson of the Student Affairs Office in Minneapolis; and on his retirement she was transferred to the student loan section, where she was instrumental in helping to obtain loans for quite a number of students in plant pathology. Although Mrs. Skinner had been on the Minneapolis campus for several decades and had been retired from the University for four years, she retained her interest in the Plant Pathology Department, especially through association with Laura Hamilton and Helen Hart.

Dean Emeritus Edward C. Johnson of the Washington State University College of Agriculture died on November 7 at the age of 82. He was a native of Waseca, Minnesota, a graduate of the S.L.A. College in the class of 1906, and did some graduate work in botany before being appointed as cereal pathologist in the U. S. Department of Agriculture. Johnson was a protege of Dean E. M. Freeman and in his Federal capacity collaborated in the early work on the development of rust-resistant varieties of wheat, spending part of each growing season at Minnesota and publishing with Dean Freeman Plant Industry Bul. 216 on the rusts of grain crops in the United States.

Professor Warren N. Christopher, a Minnesota Old Timer of 1921, died January 13, 1964, of cancer, according to I. L. Forbes, of Louisiana. While at Minnesota as Field Assistant in the Office of Cereal Investigations, U. S. Department of Agriculture, Christopher participated in spore trapping by airplane, published as "Spores in the Upper Air" in Jour. Agr. Res. 24, No. 7, 1923. Later, during his career in bacteriological work in U. S. Army hospitals, news of him appeared in AURORA.

Dr. James W. Broyles was killed in a hunting accident August 21, 1963. Jim was a native of Mississippi and got his B. S. and M. S. degrees from Mississippi State College. He was a student at Minnesota from 1950 to 1954, receiving the Ph. D.

in 1956. Jim was a talented investigator and genuine and generous in his personal relationships. He was a pathologist at Mississippi State at the time of his death.

THE STAKMAN SAGA

The State Department sent ECS to Geneva, Switzerland, in February 1963 for the UN Conference on the Application of Science and Technology for the benefit of the Less Developed Areas. In late July he gave the banquet address in Stockholm, Sweden, at the International Symposium on Global Impacts of Applied Microbiology (Old Timer Martin Tveit was Symposium Secretary). From October to December, Mexico was home plate, as it was again in March-April 1964.

One week in April was spent as Visiting Professor at the University of California at Riverside, under National Science Foundation auspices (and with the help of Old Timers Don Munnecke and Peewee Wallace). On May 13, as recipient of the first Cosmos Club Award, Stak sputed, as part of the Award requirements, on "Science, Sense, and Society." According to one Old Timer present ECS gave a wonderful talk... "and did a good job of throwing in enough humor to relax the audience." The following evening there was opportunity to visit with friends at the H. A. Rodenhisers'.

On June 11, England's Cambridge University bestowed upon our Professor an honorary Doctor of Science. (OTs Sydney Dickinson and Jack Western then did some escorting and conveying to Leeds and Aberystwyth; and there was a stop at Dundee to see Tom Nicolson.)

This trek was followed by attendance at the European rust colloquia in Cambridge, mentioned elsewhere in these pages, and by a current at-home in St. Paul with some deadline (as usual) writing.

How does he do it, you ask? We wonder too.

OLD TIMERS

The U. S. Department of Agriculture, in May 1963, honored Henry D. Barker with a Superior Service Award "for outstanding leadership in planning, supervising, and developing measurements of the components of cotton quality, resulting in a significant improvement of the inherent quality of the national cotton crop." On November 30, Dr. Barker retired as Chief of the Cotton and Cordage Fibers Research Branch, Crops Research Division. He now plans some leisurely traveling, during which Minnesota is on his "mental list."

C. L. Lefebvre, director of Plant Science Division in the Cooperative State Experiment Station Service, also received a Superior Service Award from the U. S. Department, for significant contributions to mycology, bacteriology, and plant pathology and for leadership in planning and coordinating plant science research.

In 1964, the Superior Service Award was given to Dr. W. Q. Loegering, Crops Research Division, for "developing and leading uniquely effective national and international research programs that have contributed tremendously to cereal rust control on a worldwide basis and for conducting research of great significance on the cereal rusts."

--Agricultural Research, July 1964.

Clyde C. Allison received a Distinguished Teaching Award of \$1000 in 1964 from Ohio State University, where he has been a member of the faculty for 26 years.

Erratum and addendum: E. B. "Ebi" Lambert, USDA mushroom man, was reported in our last issue as recipient of \$5500 from mushroom growers at the Fifth International Mushroom Congress in November 1962. We were later informed that he received \$2750 but that "an additional sum--\$3250--has been set aside for a Lambert Scholarship Fund which will aid college students studying in the field of mushroom science."

--Mushroom News, December 1962.

Robert N. Campbell, of the University of California at Davis, received the 1962 AAAS-Campbell Award for "outstanding research in vegetable crops," jointly with Dr. R. G. Grogan. The award was based on

investigations of the big-vein virus of lettuce and its transmission by Olpidium brassicae.

The 1963 Campbell Award was presented to George Papavizas and Charles Davey at the AIBS meetings in Amherst for the most significant research in vegetable production, specifically the "effect of sulfur-containing amino compounds and related substances on Aphanomyces root rot of peas."

Laura Hamilton received a Certificate of Merit and cash award from the U. S. Department in July 1963 "for outstanding handling of correspondence, manuscript preparation and writing of cereal rust summaries."

"For the benefit of Aurora Sporealis..... I hasten (more or less) to send my change of address from the Bureau of Mines, Washington, D. C., to Bureau of Mines Research Center, College Park, Maryland 20740.....This change involves my return to laboratory work, after nearly 20 years away from it, and also return to the Maryland campus after nearly 40 years away from that." --Walter N. Ezekiel, June 29, 1964.

Danielle Letitia was born to Mr. and Mrs. Frank del Prado of Paramaribo, Surinam, on May 12, 1964.

Dr. Erwin L. LeClerg, director of biometric services of the Agricultural Research Service, received the honor award on May 6, 1964, of the Organization of Professional Employees of the Department of Agriculture.

Since April of 1963, Ing. Edmundo Davila has been working for the Mexican Department of Agriculture at Zamora, Michoacan, on the seed potato certification program.

Dr. Helen Hart received the Stakman Memorial Award in October 1963 at a dinner in the Campus Club of the University. In addition to her research, she was cited for her help to students, for human understanding and tolerance, for high journalistic standards and promotion of true scholarship.

E. C. Stakman was honored in Washington, D. C., in May 1964 as recipient of the

OLD TIMERS (continued)

first Cosmos Club Award and in England in June as Doctor of Science honoris causa from Cambridge University.

Dr. Sydney Dickinson, School of Agriculture, Cambridge, England, wrote on June 26: "My wife and I had the great joy of having Stak stay with us for the three days (he was in Cambridge). It was as though thirty years had dropped away and we were back in the Tottering Tower again. A time of memories discussed, and interests renewed. With best wishes for Aurora's continued prosperity."

Fishing and hunting, or reading and writing, or traveling and consulting is the happy lot of Old Timers who have retired. Ibra L. Connors, Research Branch, Canada Department of Agriculture, Ottawa, retired July 1962 after more than 40 years in the Department. A. W. Henry, Head of the Department of Plant Pathology at the University of Alberta, retired August 1962 after 35 years of service. James L. Seal became Professor Emeritus in June 1963 after 34 years in the Department of Botany and Plant Pathology at Auburn University, Alabama. R. H. Bamberg, after about 36 years of service, retired in November 1963 from his most recent position as Staff Specialist for Program Appraisal with the Plant Pest Control Division of the U. S. Department of Agriculture. Others who have achieved similar status, either willingly or automatically or both, are mentioned elsewhere in these columns.

We are very sorry to report the serious illness of Bjorn Peturson, of Winnipeg. In October 1963 he underwent surgery for cancer; pneumonia and a stroke followed. Since that time there has been some improvement. Their address: 931 Somerset Ave., Fort Garry.

Johannes Jorgensen, Minn. Ph. D. 1962, says to "encourage people going on trips to Europe to stop in here in Copenhagen where a small group of Old Timers like to hear news from St. Paul."

Karl D. Fezer left the University of Minnesota at Morris in September 1963 to teach in St. John's College at Annapolis, Maryland.

Not reported in our last issue was John R. Vaughn's change of sponsor and location in 1962 from Afghanistan to Syria, where he is with the Ford Foundation in the Cotton Bureau at Aleppo.

B. P. Chakravarti, of Bhagalpur, India, father of a son now over two years old, was a guest of Bobby Renfro, Rockefeller Foundation plant pathologist at Delhi.

Old Timers of the middle-1930 vintage will recall Gladys Kelly Keilman and Rosemary McLeod. The latter, who thrives on a change of scene, is now with the Army Map Service in Washington, D. C.

I. A. Watson, of Sydney University, Australia, is devoting himself to recuperation from a severe heart attack that struck him about the middle of March 1964. Friends wish him well.

Freeman Weiss, American Type Culture Collection retiree, wrote on Christmas of 1963: "Half of each year I like South Carolina more than Minnesota--just a climatic effect."

A second daughter was born in Ireland in July, 1963 to Dr. and Mrs. Tom Kavanagh. Since December 1962, Tom has been investigating horticultural-crop diseases at the Agricultural Institute at Kinsealy, Malahide, in County Dublin.

New location for Marco A. Flores is San Salvador (Apartado 891) in El Salvador, where he works with plant quarantines for the International Regional Organization on Plant and Animal Protection (OIRSA).

Some reminiscing from Harold Hynes, of Sydney, Australia: "In 1924....I joined the old gang in the Tottering Tower and blew smoke rings in the Blue Room with Dean Freeman, Ralph Nelson, Jimmie Seal, and others....I shall never forget those seminars at 4 PM and others held at night when we indulged in literature reviews in which so many of us took part, including J. G. Leach, Ralph Cotter, Mose Levine, Rodenhiser, Melander, Henry, Chris, Sanford, Craigie, Hanna, Helen Hart, Louise Dossall and many others. I recall the fun at kittenball in the lunch periods and the whole inspiration of the life in general.. What days they were and what a wonderful

OLD TIMERS (continued)

preparation for the job ahead back in Australia!...." Another year, and retirement comes for Hynes.

The Curt Roanes spent their first Christmas in a new home in Blacksburg, Virginia; the Julio Birds of Puerto Rico have a new home in the country; and the E. P. duCharmes of Florida recently acquired an old mansion, which Bill Loegering says "would be worth a trip to Winter Haven just to see."

As we go to press we gratefully salute Mrs. Robert (Vivian) Schwab, who prepared the stencils for many issues of AURORA SPOREALIS previous to her departure for Tucson, Arizona, late in 1962. After July 1964 she will be at Davis, California

Among travelers in 1963 was James M. Wallace, of the Citrus Experiment Station at Riverside, California. He is reported to have studied citrus virus diseases in the Orient, including the Philippines, Taiwan, and Japan.

In July, S. Z. Hasanain, of Karachi, Pakistan, went to Istanbul for a seminar on chromosomes organized by NATO. He said it was "almost, though not quite, as good as our seminars!"

Hosni A. Mohamed, of the Bahtim Experiment Station in U.A.R., spent much of last year in Germany on work under an "Alexander von Humboldt Stiftung."

Almost anywhere you go you may encounter Ralph Lindgren: at Christmas time he was in the Orient; earlier in 1963, E. C. Stakman found Ralph admiring some bananas in a fruit store in Stockholm.

R. C. Rose, former Extension Plant Pathologist, was in Florida when December temperatures in Minnesota sank to sub-salubrious levels.

Travel was in prospect for W. C. "Bill" Broadfoot, of Lethbridge, Canada, when he retired in April. Greece, where his daughter lives, was to be first stop. M. W. Cormack is transferring from Saskatoon to Lethbridge as Associate Director of the Research Station to

succeed Dr. Broadfoot.

In September 1963, Ellis F. Darley began a year of air-pollution studies in Germany on a Guggenheim Fellowship. His address is Forschungsinstitut für Luftreinhaltung, Essen-Bredeney.

After a period in England, Kenneth R. Walker returned to Jamaica. His home address in 56A, Brentford Road, Kingston 10

Chet Wismer, sugar-cane-disease specialist in Honolulu, took a short business trip to Fiji late in 1963.

Married on January 1, 1964, in Lima, Peru, were Old Timer Rosendo Postigo and Angelica Lozada. Our best wishes to them, and an abrazo for the bride!

S. Z. Hasanain, who has been Professor of Botany at King Saudi University in Ryadh, Saudi Arabia, while on leave from the University of Karachi, Pakistan, hoped to have a 6-weeks break in Karachi at the 1964 New Year.

R. "Dick" R. Nelson, of North Carolina, collected *Helminthosporium* spp. in Western Europe last summer.

Mrs. Visnja Spehar, stem-rust investigator in Zagreb, Yugoslavia, obtained her Doctor's degree in November 1963 and now is "feeling younger"!

The second child, but first son, was born in June to Tom and Prue Nicolson of Dundee, Scotland. Two Old Timers have visited them: Robert N. Campbell of California and Robert J. Klug of the Minnesota Mining & Manufacturing Company's laboratory at Geneva, Switzerland.

George Bean, since late 1963 in Washington, D. C., with the Department of the Interior, was invited to talk at Pennsylvania State College in January on bluegrass disease research at Minnesota.

New Chairman of the Department of Plant Pathology, University of Nebraska, at Lincoln, is M. G. Boosalis. He replaces Mike Daly, who has transferred to bio-chemistry at Nebraska.

OLD TIMERS (continued)

In recognition of his outstanding work in controlling potato diseases Henry M. Darling was made a life member of the Potato Association of America at a meeting in Idaho Falls, July 17, 1964. He was also elected vice president of the Association.

PATHOLOGISTS MEET AT RUST CONFERENCE AT CAMBRIDGE

During the period June 29-July 4, 1964 a cereal rust conference took place at Cambridge, England. The Department of Plant Pathology and Physiology was represented by Kernkamp, Stakman, and Romig. Twenty countries were represented at this conference. Two days were devoted to yellow rust, two days to brown rust, and two days to black rust. The session started at 9:00 on Monday morning and did not terminate until 6:30 PM Saturday, July 4. There were 41 hours of scheduled sessions, which is 8 hours more than a three credit course at the University of Minnesota. Discussions were lively, sometimes heated and almost always informative. Local arrangements were made by old timer (two months) Dr. R. C. F. Macer, Plant Breeding Institute; Trumpington, Cambridge, England. Other old timers who were in attendance included Ing. M. Boskovic, Yugoslavia; Dr. S. Dickinson, Cambridge, England; Dr. J. W. Hendrix, Washington State University; Mr. J. E. Hermansen, Copenhagen; Dr. B. Kostic, Yugoslavia; Dr. J. C. Santiago, Portugal; Dr. Visnja Spehar, Yugoslavia; Dr. Jose Vallega, Italy; Dr. Isaac Wahl, Israel; and Dr. J. H. Western, University of Leeds, England.

The participants had the unique experience of residing in St. John's College, Cambridge University, while attending the conference. Field trips were made to the Institute of Agricultural Botany, the Plant Breeding Institute, and to farms in the vicinity of Cambridge.

DEPARTMENT NAME CHANGED;
TOTTERING TOWER DOOMED

On July 1, 1963 the official name of the department became Department of Plant Pathology and Physiology. Since its

establishment Jan. 1, 1908, the department was known successively as Division of Vegetable Pathology and Botany, Division of Plant Pathology and Botany, and Department of Plant Pathology and Botany.

The department is authorized to grant M.S. and Ph.D. degrees in plant physiology as well as in plant pathology.

Personnel of the department is still located in 3 separate buildings: the Plant Pathology building, completed in 1941, the old Tottering Tower, and the new Plant Science Research Laboratory, which is also occupied by personnel of the Department of Agronomy and Plant Genetics and the Department of Soil Science.

Early in 1962 the Minnesota legislature appropriated \$1,200,000 to build Phase II of the Plant Science Research Laboratory. Proposals have been made to the National Institute of Health and the National Science Foundation for matching funds which would provide additional much-needed space.

When Phase II of the Plant Science Research Laboratory is completed, the old Tottering Tower is scheduled for demolition. This prospect may sadden certain Old Timers, but they have less reason to be sad than Professors Linck and Sudia who face the task of removing thousands of dollars worth of equipment, which in the last 10 years they have wired, screwed, nailed, scotch-taped, and otherwise fastened within the old structure. Sic transit gloria mundi.

MARRIAGES

M. F. Kernkamp and Marjorie Gerlich, Dec. 19, 1962
T. H. King and Shirley Hansen, Apr. 5, 1963
Thomas Kucharek and Trudy Thompson, June 22, 1963
Larry Littlefield and Julie Hooper, June 28, 1963.
Paul Manion and Nancy Thomas, Aug. 18, 1963
Merle Follstad and Virginia Miller, Oct. 1963
Roland Line and Frances Lynch, Dec. 1963
Arthur Schipper and Sandra Murphy, July 25, 1964

TWELVE 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>			
Patrick Borich	12/29/62	same	County Agent, Carlton, Minn.
Edward French	2/6/63	3/15/63	Research Assistant, North Carolina State College.
Andrew Asare Nyako	8/16/63		Graduate work, St. Paul.
Robert Norgren	10/18/63		Research Assistant, St. Paul.
Sayed El Kandelgy	1/8/64		Graduate work, St. Paul.
Patrick Breen	3/18/64		Research Assistant, St. Paul.
John Halloin	6/4/64	7/2/64	Research Assistant, Michigan State U.
James Froyd	7/13/64		Assistant Extension Pathologist, St. Paul.
Rafael Lopez	7/15/64	7/18/64	Bogota, Colombia.
<u>PH. D. PRELIMINARIES</u>			
Mary Abrahamson	12/18/62		(See PhD final)
William Merrill	4/2/63		do
Wallace Rogers	4/16/63		do
Abdel Zaki	4/24/63		do
Merle Follstad	10/3/63		do
R. Shimabukuro	10/11/63		Research Fellow, St. Paul.
David Schroeder	3/23/64		Research Assistant, St. Paul.
Leif Sundheim	3/25/64		Research Assistant, St. Paul.
Helmut Stingl	4/3/64		Research Assistant, St. Paul.
Kenneth Old	4/9/64		Research Assistant, St. Paul.
Darroll Skilling	5/29/64		Forest Service, USDA, St. Paul.

(Ph.D. prelims, cont)

Eldon Brown	6/10/64	Research Assistant, St. Paul.
Claude Bernier	6/18/64	Research Assistant, St. Paul.
Lauren Carlson	6/19/64	Research Assistant, St. Paul.

PH. D. FINALS

Robert Milholland	12/7/62	5/1/63	Assistant Professor, North Carolina Exp. Sta., Castle Hayne, N. C.
George Bean	4/19/63	10/19/63	Research Pathologist, U. S. Dept. of Interior, Washington, D. C.
Gerald Anderson	5/16/63		Research Pathologist, Lake States Forest Exp. Sta., St. Paul, Minn.
Stein Telneset	5/17/63	5/18/63	In charge of Seed Potato Certification, Statens Frøkontroll, Vollebakk, Norway.
William Merrill	10/17/63	3/16/63	Post Doctoral Fellow, School of Forestry, Yale Univ. New Haven, Conn.
Jack Horricks	10/30/63	10/30/63	Cereal Pathologist, Science Service Laboratory, Lethbridge, Alberta.
Abdel Zaki	3/30/64	4/27/64	Egypt.
Merle Follstad	5/6/64	6/29/64	Research Pathologist, USDA, Agriculture Marketing, Fresno, Calif.
Mary Abrahamson	6/9/64	7/17/64	Post Doctoral Fellow, Hebrew Univ. Jerusalem, Israel.
Larry Littlefield	7/6/64	later	Post Doctoral Fellow, University of Upsala, Upsala, Sweden.
Leif Sundheim	7/11/64	7/31/64	Forage disease research, Statens Plantevern, Vollebakk, Norway.
Kenneth Old	6/29/64	Sept. 64	Assistant Lecturer, Queen's College, St. Andrews University, Dundee, Scotland.

NEW STUDENTS START GRADUATE WORK

<u>Name</u>	<u>Arrival</u>	<u>Degree</u>	<u>Institution</u>	<u>Home</u>
Raul Garza Chapa	2/4/63	M. S.	Escuela Nacional de Agricultura	Chapingo, Mexico
Cesaria P. Eugenio	3/27/63	B. S. A.	Univ. of the Philippines	Tomana, Rosales, Pangasinan, Phil.
Hemant A. Fanse	3/29/63	B. A.	College of Agriculture, Anand, India	Baroda, India
Mark Smith	6/22/63	B. S.	Kent State Univ., Ohio	Wilmington, O.
Michael Kenney	6/27/63	B. S.	U of Wisc., Milwaukee	Milwaukee, Wisc.
Wayne Williams	7/1/63	B. S.	San Diego State College	Chula Vista, Calif.
Luis Cesar Lopez	7/29/63	M. S.	University of Minnesota	Mexico, D. F.

Name	Arrival	Degree	Institution	Home
Allen S. Heagle	9/10/63	M. S.	St. Cloud State College	St. Paul Minn.
David G. Green	9/16/63	M. S.	Michigan State Univ.	Winnipeg, Manitoba.
John H. Hill	9/16/63	B. S.	Carleton College	Evanston, Ill.
Hoo Sup Chung	9/30/63	M. S.	University of Minnesota	Suwon, Korea
Armagedon A. Alabanza	7/1/64	B. S.	Univ. of the Philippines	Pasauquin, Ilocos Norte, Philippines.
John Dueck	7/1/64	B. S. A.	Univ. of Manitoba	Winnipeg, Manitoba.
Mahesh Pandey	7/21/64	M. Sc.	Ranchi Univ., India	New Delhi, India.

CHANGES IN PERSONNEL
MARK GROWTH OF STAFF

Promotions

D. W. French	7/1/63	Associate Professor to Professor
Thor Kommedahl	7/1/63	Associate Professor to Professor
T. W. Sudia	7/1/63	Assistant Professor to Associate Professor
Neil Anderson	7/1/64	Assistant Professor to Associate Professor
Ernest Banttari	1/1/64	Research Fellow to Assistant Professor

Academic Changes

Bill Kennedy	1/1/64	Research Associate to Assistant Professor
Richard Shimabukuro	7/1/63	Research Fellow to Instructor

New Positions

C. J. Mirocha	3/1/63	Assistant Professor (Physiology of disease)
George Ahlgren	7/1/62	Instructor and Research Fellow (Plant Physiology)
L. Calpouzos	4/1/63	Plant Pathologist, USDA, (sugar beet diseases)
Bobby Keeling	7/1/63	Research Fellow (barley diseases)
Q. A. Ahmed	9/3/63	Honorary Fellow

USDA Pathologists Appointed to University Staff Positions

Fred Frosheiser	7/1/63	(Forage diseases) Assistant Professor
Bill Jiles Roberts	12/16/63	(Oat rusts) Assistant Professor
Donald Stewart	12/16/63	(Wheat stem rust) Assistant Professor

Departures

Name	Date	Change
Roland Line	5/29/63	Research Fellow to Research Pathologist (rust), Crops Division, Ft. Detrick, Md.
David Mumford	6/30/63	Research Fellow to Research Pathologist, USDA, and Assistant Professor, Dept. of Botany and Plant Pathology, Michigan State University, East Lansing, Mich.
R. A. Fredericksen	9/1/63	Plant Pathologist, USDA to Assistant Professor, Texas A and M University, College Station, Texas.
William Merrill	3/26/64	Research Fellow to Post Graduate Fellow, Greely Memorial Lab., School of Forestry, Yale University.
J. H. Western	6/30/63	Visiting Professor (since 1/1/63) to his regular post as Professor of Agricultural Botany, University of Leeds, England.

CIVIL SERVICE CHANGES.

New Appointments

Charles Arntzen	2/11/63	Senior Laboratory Attendant (Low temperature Lab.)
Patricia Allen	10/16/63	Senior Laboratory Attendant (Plant Path Prep Lab.)
Ruth Haga	1/22/64	Senior Clerk-Typist
Charlotte Patoile	6/23/64	Clerk-Typist
Shirley Anderson	7/6/64	Clerk-Typist

Resignations

Mrs. Constance Grage	7/20/62	Senior Clerk-Typist
Mrs. Josephine Bertisch	4/30/63	Senior Laboratory Attendant

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