

JUNE 1977

Wherein are recorded the recollections, the ruminations and the raspitations of those who have drunk from the foaming fount of the Department of Plant Pathology of the University of Minnesota and who now spout forth in divers ways

Let the fount foam and never run dry
Let the spout squirt and never lose power

AS THE HEAD SEES IT

Dear Ole Timers:

Dr. E. C. Stakman was admitted to the Midway Memorial Hospital in St. Paul on July 19, 1977 with what was initially diagnosed as congestive heart disease. His condition was characterized by an accumulation of fluid in the body, high blood pressure and difficulty in breathing. The condition improved rapidly within 48 hours after admission to the hospital and he continues to improve steadily. As of July 26, he was sitting up, feeding himself and speaking clearly. There is some evidence of a very light stroke but a final diagnosis on this aspect of the problem will not be available for several days. He is in Midway Hospital, 1700 University Avenue, St. Paul, MN 55104. A phone call would not be appropriate but I am sure he would enjoy receiving a note or a card from you. We think the problem, at least in part was a result of the excessively hot weather that we have been experiencing thus far this summer. We will keep you informed of any significant changes in his condition.

On June 7, 1977 I accepted the position Dean for Research and Professor, Institute of Food and Agricultural Sciences, University of Florida at Gainesville. The appointment is effective September 1, 1977 and the family and I plan to move during the last week of August. In the new position I will be responsible for the overall direction of Florida's statewide agricultural research program. This involves coordination of the activities of sixteen academic departments on campus and approximately 22 outstate research and education centers. It appeals to me as an excellent opportunity to become effectively involved in the broad area of agricultural research and development in a state where agriculture is one of the most important industries.

Needless to say, I am leaving the Department with mixed emotions. I have been here five years and have thoroughly enjoyed working with the staff and students of the Department and the Administration of the Institute of Agriculture, Forestry and Home Economics in the development and expansion of programs in research, education and extension as they relate to needs of the state in particular and the profession, the country and the world in general. I think we have made significant accomplishments during the past five years. Among the major accomplishments I would list the acquisition of new faculty, the establishment of an undergraduate major in plant health technology which currently has approximately 75 students enrolled, the development of research and educational programs in environmental pathology and increases in the amount and diversity of outside support provided to the Department.

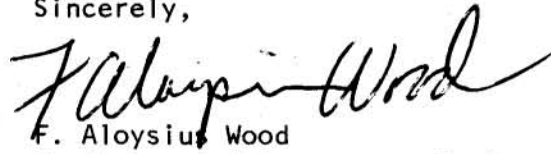
I certainly appreciate the support that you as old timers and alumni of the Department have provided and I am confident the Department and administration will be successful in finding an outstanding successor. Incidentally, a Search and Screening Committee has been appointed and Dr. Keith Wharton, College of Agriculture, 277 Coffey Hall, University of Minnesota, St. Paul, MN 55108, has been appointed Chairman of the Search and Screening Committee. I am sure that he and other members of the Search Committee would appreciate receiving any recommendations you may have with respect to the search for a new head.

Finally, I want to express my most sincere appreciation to the faculty, staff and students of the Department and to the administration of the Institute of Agriculture, Forestry and Home Economics for assistance they have provided during the past five years. Accomplishments we have made were truly the result of a team effort which gives me all the more reason to believe they will persist.

I look forward to joining the ranks of the old timers again and to seeing many of you in East Lansing during the upcoming APS meetings in August.

Warmest regards.

Sincerely,

A handwritten signature in cursive script that reads "F. Aloysius Wood". The signature is written in black ink and is positioned above the printed name and title.

F. Aloysius Wood
Professor and Department Head

OLD TIMERS COLUMN

On October 29, 1976 a farewell tea was held for John Laurence, who had passed his PhD final Oct. 21, and later left to take a position with the Boyce Thompson Institute, Yonkers, N.Y. After about six months John wrote that he had been in touch with George Hudler (Cornell) and Doug Sarojak (New Jersey). "Everybody seems to be happy, although I must admit, I've got a mild case of claustrophobia, with all the ridges and eastern type mountains around here, not to mention the 10 million+ people that live here. Take care of things in the flat lands."

Howard Schwartz, MS 1975, was awarded the PhD at the University of Nebraska "recently" and, according to *Phytopath News*, went to work for CIAT in Cali, Colombia. He worked on bean diseases in Nebraska and he will work on bean diseases in Columbia. We learn, on good authority, that CIAT stand for Centro Internacinal de Agricultura Tropical.

Bill Anderson, PhD 1974, who has been with the National Park Service at Bay St. Louis, Miss. since he got his degree, expects to be reassigned this spring to the North Atlantic Regional Office of the N.S.P., in Boston, Mass.

George Herman Starr, PhD 1932, is retired and now lives in Fort Collins, CO after 43 years with the University of Wyoming at Laramie.

After 5 years in Brasil with Planal-sucar (Programa Nacional de Mehloramento da Cana de Acucar) Chet Wismer, PhD 1950, will return to Hawaii in May after a week in Las Vegas. He will make a short trip to Brasil in August and Sept. to help with the Congress of the International Society of Sugar Cane Technologists.

A. Hadidi, MS 1962, is now Research Microbiologist, PPI, ARS, USDA, at Beltsville, MD.

Rollie Line, PhD 1962, was in Russia in July, 1976 on a team of entomologists and pathologists working on integrated pest management. He and Fran were back in Europe in September to attend the rust meetings in Switzerland and do a little sight-seeing. Fran is doing teaching and research in the Horticulture Department at Washington State U.

Don Stewart, PhD 1953, Adjunct Prof., U of Arizona, leaves May 27 for Sana in the Arab Republic of Yemen. He is going there on a 2-year assignment as an agronomist to work on sorghum production and will also take seed of rust resistant wheats to try at altitudes from sea level to 12,000 ft. Don says Yemen is noted as the empire of the late Queen of Sheba and as the place where algebra was discovered. Well.

Don's daughter Bonnie married an engineering professor May 8. They will travel to Egypt where Bonnie will complete her PhD thesis on Egyptian agriculture. Daughter Margo and husband live in California.

Lars Semb, RA 1957-58, Stein Telneset PhD 1963 and Leif Sundheim, PhD 1964, are, according to our sources, all in the same building in Vollebakk, Norway but each has a different address in the Aurora file. Perhaps one of them can explain that. Lars works on chemical control of powdery mildew of cucumbers and soil-borne diseases of tomatoes and cucumbers, all in the glasshouse. Stein is in charge of certification of potato, cereal and grass seed; he has a new glasshouse for virus work. Stein attended a potato meeting in New Brunswick in August, 1977, but didn't make it to Minnesota.

According to John W. Gibler, PhD 1951, "We will be moving to Parana State in February, 1977 to head up the OCEPAR research operation. It is a group of 40 ± cooperatives--". Since 1969 John has been located at Porto Alegre, Brasil as Head of the Brazilian wheat program of Massey-Ferguson, Ltd. and Technical Director, P.A.T. of Brazilian Wheat Cooperatives (FECOTRIGO). He will continue as adviser to these groups and sponsor close cooperation on wheat, and soybean improvement. "Triticales are going to be a big thing in 3-5 years".

Harry Murakishi, PhD 1948, was Visiting Professor at Tokyo University of Agriculture, April 1 - September 15, 1976. He gave seminars at the University and did research at the Institute for Plant Virus Research at Chiba, about 40 miles east of Tokyo. He worked with Dr. I. Takebe on the isolation and culture of protoplasts as part of a study of the expression of the necrotic gene in protoplasts. Harry was on sabbatic leave from his Professorship at Michigan State U and the trip was sponsored by the Japan Society for the Promotion of Science. Both Harry and Dorothy brushed up on their Japanese for the trip. He said he could communicate satisfactorily while Dorothy was talking like a "native" in a short time.

T.C. Loh, PhD 1933, writes that although past the age of retirement the Department wouldn't allow him to quit. Consequently he is still a research Professor in the Institute of Tropical Crop Research, Nada, Hainan Island, Peoples' Republic of China. Loh had several heart attacks during the past year.

Alan R. Gemmell, MS 1937, hopes to visit sometime in 1978. He is Professor of Biology at the University of Keele, Staffordshire.

R.J. Noble, PhD 1923, recalls "my wonderful 2 years at Minnesota long ago". He visited here again in 1945, and presently lives in Wahroonga, N.S.W., Aust. Dr. Noble was born May 17, 1894, 9 years after E.C.S.

Carlos Ochoa, MS 1955, recently became the Head of the Department of Potato Taxonomy, Centro Internacional de la Papa (CIP), Lima, Peru. Carlos was the subject of an article (75 cm of type) in the Wall Street Journal, 2/16/77, which covered some of his experiences while hunting wild Solanum spp. among the Andes and their Indian inhabitants. Carlos is author of a book on wild tuber-bearing Solanum species and is probably the world's leading authority on the taxonomy of wild potatoes. He has also been engaged in potato breeding and teaching at the Universidad Nacional Agraria. At Minnesota he pioneered in the study of the inheritance of non-specific resistance to late blight in potato.

Dexter Douglas, PhD 1968, now working for a private company, is kept so busy with research and raising 2300 acres of certified seed potatoes that he entered only 2 rodeos last summer. He won first place in roping at one. He does ride, however, using his saddle horse to rogue the seed potato acreage. Dex and his family now live at Jerome, Idaho.

C.S. Logsdon, PhD 1954, Prof. of Plant Pathology and Assoc. Director of the Alaska Experiments Sta., is still involved in public service. He was recently one of a group requested by the legislature to investigate the possibility of connecting the railroad in Alaska with those in Canada and the 48 contiguous states. At last report the matter was still pending.

R.A. Fredericksen, PhD 1961 and B.L. Renfro, PhD 1960, participated in a conference on downy mildew of corn, held in Thailand in October, 1976. Dick is professor of plant pathology at Texas A & M University and Bobby is with the Rockefeller Foundation at Bangkok.

Larry Singleton, PhD 1974 became Assistant Professor of Plant Pathology, Oklahoma State U (Jan. 1, 1977) He formerly was at Mississippi State U. where he studied diseases of field and forage crops.

OLD TIMER INCORPORATES

Peter Wilde, who studied in the Department in 1957-58, is President of The Farm Research Corporation of Wilmington/New Castle, Delaware. The actual scene of operations is Saekingen, Germany, but as Peter points out, it is cheaper to incorporate in Delaware than in Germany. Peter was in charge of research with a small German company for several years. The company merged with Ciba-Geigy and he was transferred to Basle, Switzerland. Last year he and a co-worker formed their own company, put up a lab at Saekingen and now do research on seed dressing, seed health and soil fungi for chemical and seed companies as well as consulting on practical plant protection and pest control. The company has a promising future and more opportunity for the personal initiative that Peter likes.

He wishes "health, happiness, success in research and learning, and a further good and lucky development of our wonderful department in Stakman Hall.--- Greetings to all, including USDA and RUST LAB and especially those who still have their beers at Mannings on Como after evening Seminar". Thanks Pete. We will heist a couple to you at the Ground Round (See THURSDAY SEMINAR)

The St. Paul Pioneer Press for May 24 reported that Norman Borlaug, PhD 1942, delivered an address at the 40th anniversary of his graduating class in Forestry, University of Minnesota.

Frank del Prado, MS 1951, writes that he would be in Washington May 16, and will leave for Europe May 28. He is Head of the Plant Protection Division, Ministry of Agriculture, Animal Husbandry and Fisheries, Paramaribo, Republic of Surinam.

Grant Vest, PhD 1967 has been named Professor and Head of the Department of Horticulture, Oklahoma State University. Grant was recently Associate Professor of Horticulture at Michigan State U and before that was Research Plant Pathologist ARS USDA, at Beltsville, where he worked on soybeans.

Earl J. and Marion Anderson now are living in Santee, California. Earl was a Post-Doc at Minnesota in 1937-38. He was Director of Experimental Projects, Dole-Cameroon in Hawaii when he retired in 1973.

Prof. J.H. (Jack) Western, Minn. 35-36, 65-66, says that he and Rachel are "fairly fit" and "manage to keep occupied at a gentle tempo-no plant pathology; in fact I am almost pleased when I see mildew on our apple trees." He still has a bit of the old spirit, at least. Sends regards to all; would like to hear some of Dave French's tall stories.

Robert C. Hildreth, PhD 1957, writes that as of February, 1977 he was being transferred to Manila, Philippines, where he will be Agricultural Research Director, Pacific Region, for Rohm and Haas Co. He is being moved from Tokyo where he has been located for 4.5 years.

Bob would like to see or correspond with Old Timers who might be in the area and, if they will send him their address he will make it a point to contact them during his travels. His new address is:

Dr. Robert C. Hildreth
Rohm & Haas Pacific Region
P.O. Box 7240 Airmail Exchange
Office MIA 3120
Manila, Philippines.

Benjamin Ortego C., MS 1946, is now Subsecretario of the Department of Agriculture in Mexico.

Robert V. Crow, PhD 1975, accepted a position as Manager, Agronomic Services, with the N-Ren Corp., Cincinnati, Ohio, a company specializing fertilizers. Bob will supervise field research, emphasizing fertilizer-disease interactions. He also expects to set up and be editor of a company-sponsored publication, and be technical adviser for marketing operations. He started the new job November 8, 1976.

W.J. Martin, PhD 1942, is now Head of the Department of Botany and Plant Pathology, Louisiana State University. He succeeds St. John P. Chilton, PhD 1938, who retired January 1.

VISITORS - 1976

October 21. Dra. Ma de Lourdes de la Isla de Bauer, MS 1957, attended the air pollution workshop and visited with friends in plant pathology. Dra de Bauer was President of the Sociedad Mexicana de Fitopatologia in 1976. She is on the staff of the Colegio de Postgraduados, Escuela Nacional de Agricultura, Chapingo, Mexico.

November 2 & 3. Barry Jacobsen, PhD 1973, was here to confer with the Extension staff, especially H. Bissonnette about publishing thesis and airplane spraying. Barry, 90:10--extension; teaching and research, at the University of Illinois, Urbana, is developing airplane spraying and is also interested in control of pea root-rot with herbicides and generalized resistance to early blight of tomatoes. He teaches two graduate-level courses.

Barry says that his co-worker, Mal Shurtleff, PhD 1953, is as full of vigor as ever, runs 70-100 mi./wk, enters Marathons; wagers on a wide range of events, usually winning as of yore. Professionally Mal is on high-level committees at the U and has 2 new books coming out soon (on flower and tree diseases).

November 19. Ted Sudia, Chief Scientist for the National Park Service, visited with friends in Stakman Hall. He was in town to deliver the keynote speech at a meeting of the Minnesota Junior Academy of Science. Ted's daughter is a student at Macalaster College in St. Paul.

December 28. George Hudler, MS 1973, stopped on his way from Ithaca, N.Y. to Cloquet, MN to visit relatives. George finished requirements for the PhD at Colorado State U in December and is now Extension Associate at Cornell U with responsibility for diseases of woody ornamentals. That includes Dutch Elm disease in places like Central Park, N.Y.C. George's thesis was on dissemination of dwarf mistletoe by birds.

VISITORS - 1977

February 14. John Knutson, potato farmer from near Williams, Mn. spent half a day in the Department, exchanging agricultural information, especially on tractors, antique and otherwise. John, who is 80, helped his father "break" 20 acres on the home place in Lake of the Woods County in 1916. Power was furnished by 2 oxen and 1 horse. John now has a Ford 9000 tractor with an air-conditioned cab and other refinements. It cost \$26,430. John's son Kenneth, PhD 1960, was attending the potato certification meetings in Bloomington.

Besides K. Knutson, Bob Goth, Monty Harrison and Gil Stallknecht stopped in after attending the potato meeting in Bloomington. If any of the other Old Timers at the meeting stopped, they didn't sign the book.

February 25, Al Ellingboe, PhD 1957, Michigan State University.

March 4. Robert Nyvall, PhD 1969, Iowa State University.

March 10. Mark Smith, PhD 1968, APHIS USDA, Hyattsville, MD; Donald G. Dody, PPQ Training Center, APHIS, USDA, Battle Creek, Mich.; J. Stanley Melching, Plant Disease Research Laboratory, ARS, USDA, Frederick, MD, were here to plan a workshop to be held here in June. (See p. 13). Mark was here in October and February on the same mission.

March 22. M.G. Boosalis, PhD 1951, Head of the Department of Plant Pathology, University of Nebraska. Boo reports that Nebraska needed rain, that Mrs. Boo (Mayor of Lincoln) works 15 hours a day, catches hell from everyone and loves it. Boo was in town to attend a meeting.

March 23. T.H. King broke hibernation and drove from his lake home near Grand Rapids, MN to attend a meeting in Stakman Hall. Tom reports that he spent a productive winter making fine furniture, an art to which he applies his customary skill and enthusiasm. He is looking forward to spring and planting a big garden

VISITORS - Continued

March 14. T.P. Reiling, PhD 1957, Green Giant Co. Ted had coffee with the staff and got stuck for his annual contribution of sweet corn seed.

April 13. Gordon Brandes came to visit staff members in plant pathology in connection with a new assignment. Gordon has a short-term appointment as Executive Assistant in the office of the Dean and Deputy Vice President Bill Hueg. He will help to develop the "concept of a consortium or center for international food and agriculture development in Minnesota". As a field man with an Ag. chemical company in Grand Forks, N.D. in the 40's, Gordon contributed much to the field research in plant pathology.

April 29. Lois Gustafson Trihus, who worked in the office while going to the U in the early 50's. Lois and her husband have 3 boys and 2 girls. The oldest boy is an Eagle Scout and graduates from high school this spring. Lois teaches in a nursery school 2 days a week.

Axel Anderson spent most of May 23 in Stakman Hall visiting old friends. He was in town to attend the 40th reunion of his graduating class in Forestry. Recently retired (see p 17). Axel is now busy as Chairman of Local Arrangements Committee for the annual Phytopathology meetings at Michigan State U. August 14-18. He is also involved as consultant to bean growers and with other business ventures. Axel was bean breeder at Michigan State from 1948 to 1964, spent 1965-68 as Research Coordinator in the office of the Secretary of Agriculture in Washington and then returned to Michigan State as Head of extension work in Plant Pathology.

April 28-30. Robert Slattery took a quick break in his potato planting schedule to come to St. Paul, pass his PhD final and jump through the various hoops the Graduate school bureaucracy has dreamed up to haraas people that have filled the academic requirements for an advanced degree. Bob is in charge of potato seed certification and lives in Bryant, Wisconsin.

VISITING SCIENTIST

Dr. J.N. Gibbs, Forest Pathologist, Forestry Commission Research Station, Farnham, Surrey, England, arrived in March to spend a year in the Department and in the North Central Forest Experiment Station. Dr. Gibbs holds the PhD from Cambridge University. Before assuming the position as the Forestry Commission Research Station, he was in Kenya for more than 2 years, doing research on diseases of coffee. While in the US he will investigate vascular diseases of trees, principally oak wilt. Mrs. Gibbs and their three children are with him.



Dr. J.N. Gibbs



Dra. Ma. de Lourdes de Bauer



Dave Lang presented a silver cup, apparently about 1 gal (3785.43 ml), engraved "The Stakman Cup". It will be awarded each year to the winners of the annual Stakman Student-Faculty softball game. Student wins in 1975 (20-5) and 1976 (9-6) were already recorded. Ice and a bottle of champagne were in the cup (it's that big!). Stak made no move toward opening the bottle at the coffee party.

The annual classic was played on May 21. The score, Students, 9; Staff 7.



Linda Vukelich The Professor Debbie Baden

STAKMAN IS 92

Dr. Stakman was 92 on May 17, 1977 and there was a cake and coffee in the Seminar Room at 3:00 p.m. in honor of the occasion. Clyde Christensen reminisced briefly about the 50 years he had known the Professor and hoped the next 50 would be as pleasant and profitable.

Dr. Stakman had recently returned from about 3 weeks in Mexico and was enthusiastic about the progress that has been made in crop production there and about the part played by Minnesota-trained scientists in that progress. The future seemed bright.

SOCIAL ITEMS

The annual PIPa Christmas party was held December 15 at JAX restaurant in Minneapolis. Following the "social" hour and food, various aspects of life in the Department were reviewed by Paul Scherman. Like most present-day speakers he supported his discourse with more or less appropriate slides. For example: a room full of gold bars (one of Sagar Krupa's grants); a man on a camel (Ben Lockhart arriving from Morocco to become Assistant Professor); a plane crashing into a truck (routine landing by Al Wood). More than 100 people attended.

The Annual Plant Pathology Corn Roast was held at Rosemount, on the Plant Pathology Farm at 6:00 pm 9/2/76. Cost: \$2.25 for adults, for chicken and watermelon. The corn, of course, was free.

MATRIMONY

October 15, 1976. Linda Rivers and John Vukelich, who is a lawyer in St. Paul. A reception was held for friends at the Venetian Inn on October 30.

December 3, 1976. Marge Atwood and Daniel Palmer, a Junior Scientist in Entomology. A reception was held at the home of Professor and Mrs. Wilcoxson on December 11.

HONORS

Professor Emeritus E.C. Stakman has been made an Honorary Member of the British Mycological Society. The Council of the Society "decided unanimously at their meeting on 4 December, 1976 to nominate you as an Honorary Member in recognition of your considerable services to mycology and to mark your long association with the Society. This nomination was approved unanimously by members at the Annual General Meeting."

During his visit to Ciudad Obregon, Sonora, Mexico in April and early May, Dr. E.C. Stakman was presented with a diploma (real sheepskin) by El Instituto Nacional de Investigaciones Agricolas. According to the inscription, the honor was awarded "En reconocimiento a la labor cientifica desarrollada como investigador, maestro y consejero en beneficio de la investigation agricola en Mexico." He also received a silver medal bearing essentially the same inscription.

DAVID GOTTLIEB, PhD 1942, received a Paul A. Funk Recognition Award in Feb. 1976. The award is made to honor outstanding faculty members at the University of Illinois, Urbana-Champaign. Dr. Gottlieb was cited as "world-renowned for his research on antibiotics and fungal physiology. He is also an international authority on the taxonomy and nomenclature of Actinomycetes".

In a paper prepared for the occasion, Gottlieb summarized his career and research contributions. In a philosophical summary he said that in educating graduate students "the best guidance results when the professor-student relationship is dominant". This is in contrast to the present trend toward control of the students graduate careers by committees-not one, but several. He also advised young staff members "that they avoid committee and service work like a plague and concentrate only on their research and teaching duties". Dave has been at the University of Illinois since 1946.

DARROLL SKILLING, PhD 1968 and THOMAS NICHOLS, PhD 1973 were given the USDA Superior Service Award for "meritorious service and unusual value beyond that ordinarily required". The award recognized their international reputations as experts on the biology and control of foliage diseases of conifers. Both are Principal Pathologists with the USDA Forest Service at the North Central Forest Experiment Station, St. Paul. Tom also holds a University courtesy appointment in the Plant Pathology Department as Assistant Professor, Darroll as Associate Professor.

Mrs. Lloyd Brinkerhoff Dies in Car Accident

On March 5, 1977 Lloyd Brinkerhoff and his wife Regina, were in a car accident near Woodward, Oklahoma in which Mrs. Brinkerhoff died instantly. Lloyd was injured but is recovering satisfactorily. They were returning from Colorado where they had visited their son, James in Denver.

Lloyd planned to retire this spring from his position as Pathologist with the USDA at Oklahoma State University in Stillwater and had purchased a home in Mesa, Arizona where they planned to live. Lloyd received the PhD at Minnesota in 1962. He held professorship in Oklahoma State U. and Langston University at Langston Oklahoma.

A.A. Granovsky Dies

A.A. Granovsky, Professor Emeritus of Entomology, died November 4, 1976. He was 89. Many Old Timers knew Professor Granovsky who, with J.G. Leach in Plant Pathology, developed a course in Insects in Relation to Plant Disease, beginning in the '30s. Prof. Leach went to the University of West Virginia in 1938 as Head of the department there. The course in Insects and Plant Disease has been taught here by Roy Wilcoxson and Allan Peterson (Entomology) since 1957.

FOREIGN TRAVELS

Professor C.J. Mirocha spent the first two weeks of March in Switzerland as a Special Consultant for the World Health Organization of the U.N. There he met with scientists from the USSR, England, Germany, France, The Netherlands, Kenya, Switzerland, Australia, Czechoslovakia, Turkey, Denmark and the US to discuss and formulate criteria and standards on mycotoxins.

The basis for the discussions was a lengthy document written by Dr. Mirocha and which summarized the present knowledge of mycotoxins in relation to public health. As revised by the group that met in Geneva, it will be published by WHO and will constitute the official position of WHO on mycotoxins for the guidance of national governments in formulating their own programs. The mycotoxins recognized by the meeting as potentially hazardous were: aflatoxins, zearalenone, trichothecenes, and ochratoxins.

Dr. Robert Brambl, Associate Prof. will leave in July for West Germany where he will spend part of the summer of 1977 at the University of Munich, working on the biosynthesis of cytochrome c oxidase. Bob has a 3-month fellowship from the Duetscher Akademischer Austauschdienst for study at the Institute for Physiological Chemistry and Physical Biochemistry at the University of Munich. He will also visit laboratories at Colonge and Freiburg.

Prof. D.W. French went to Winnipeg Nov. 30, 1976 at the invitation of the Environmental Council of Canada to take part in a forum on tree problems. While there he presented a seminar on Dutch elm disease in The Department of Botany, U of Manitoba. French and Fred Baker also made a couple of trips to the vicinity of Winnipeg in the fall of 1976 to look at* dwarf mistletoe on jack pine.

*We have no doubt that Fred and French really looked at the mistletoe. In the current jargon "look at" is a term used by big shot scientists to refer modestly to an investigation that might have taken 3 people 2 years and \$100,000 to accomplish.

Some of the foreign travellers see their strange surroundings with wonderful eyes. For instance, Bill Kennedy in Brasil:

"Very interesting country down here; water circles wrong way when draining from tub; sun arches over northern sky; men carry purses; roosters crow before down in big cities and I've found the roost--its in restaurants (one orders cheekin and gets fresh cheekin); in case of car accident, participants fight, even if half dead; lizards grown as long as your leg.

"No cow chips in Brasil; fresh pile lasts only 20 min or so before tumblebugs carry it away. Horse same way. Mycologist aspiring to study Pilobolus would have to carry his basket and follow horse around.

"Snakes and bees: almost stepped on a coral snake in soy plot; swarm killer bees passed 5 ft overhead while we flat on ground; rich farmer nearly kills genuine Ja-ra-racca in yard while we there (common poisonous snake here so deadly that always bites from 1 side so you don't fall on him.)"

Bill's trip to Brasil was sponsored by the University of Wisconsin International Agricultural Program. He spent Feb. 28-Apr. 21 at the Centro Nacional Soja, a new Federal Center for soybean research at Londrina in south Brasil, where he consulted with Brazilian researchers and studied soybean diseases, including storage problems.

Professor Thor Kommedahl was in Rabat, Morocco, May 16-20, 1977, where he attended a meeting of the Mediterranean Plant Protectionists. Thor was the official representative of the U of M. He also consulted with plant pathologists at Hassan II Agricultural Institute where the University has a USAID contract. The language spoken at the conference Kommedahl attended was French, so he did not pick up as much information as he might have had it been English, German, Norwegian or Icelandic. He did pick up a "bug" (known in Colombia as "Bogota belly") which stayed with him for several days.

MORE FOREIGN TRAVEL

Old Home Week at Interlaken. J.B. Rowell* and R.D. Wilcoxson*, local authorities on black stem and other rusts, attended the European and Mediterranean Cereal Rust Conference at Interlaken, Switzerland, Sept. 5-10, 1976. Besides hearing the latest on all aspects of cereal rusts, they had the pleasure of seeing and visiting with Old Timers Tewfik Abdel-Hak, PhD 1948, Egypt; J.E. Hermansen*, Minn. 1956-57, Denmark; R.F. Line*, PhD 1962, Washington State U.; J. M. Prescott, PhD 1970, CIMMYT, RF, Turkey; E.E. Saari, PhD 1966, Ford Foundation, Cairo; and J. Vallega*, Minn. 1938-39, Experimental Institute for Cereal Research, Rome. Mesdames Hermansen, Line and Wilcoxson accompanied their husbands and had a fine time. Roys says the Swiss are splendid hosts. (*Presented papers).

LOCAL NEWS

Coffee Crisis. When Al Wood became head in 1973, one of his first actions was to decree an all-department coffee break in the morning, to be held in the seminar room and the adjoining "preparation" room. It proved to be a popular idea. Debbie makes the coffee every morning in a 60-cup percolator and the customers bring their own cups, draw a cupful and relax to enjoy the stimulating conversations. They are also supposed to put a nickel in the kitty. However, Debbie reports that she makes 48 cups of coffee daily and typically collects about a buck. This means that some coffee drinkers evidently carry American Express or other cards, but no cash. Profit at .05/cup, plus emergency contributions has enabled Debbie to buy coffee until the recent price increases. As of March 1, she had 6 lbs of coffee on hand and said when that is gone she will fill the coffee urn with water-unless...

September 1, 1976. Al Wood traded up and got a new airplane. The new one is two-engine job.

PERCICH JOINS THE STAFF

James A. Percich joined the Department November 1, 1976 as a Post Doctoral Fellow and began doing research on diseases of wild rice, working with Prof. M.F. Kernkamp. On July 1, 1977 he will become Assistant Professor and continue the work after the retirement of Prof. Kernkamp, June 30.

Dr. Percich is a native of Michigan. He received the BS (1967) and MS (1968) in biological science and the PhD (1975) in Plant Pathology from Michigan State University. His PhD research, done under J.L. Lockwood, concerned the interaction of herbicides and soil microflora. Before coming to Minnesota he was a Research Associate at the Univ. of Wisconsin, working on diseases of horseradish.



Percich

LOCKHART RETURNS TO MINNESOTA

Dr. Benham E.L. Lockhart returned to Stakman Hall in September, 1976 where he has continued his research on virus diseases which he was doing in Morocco. Ben joined the Department in 1971 as Virologist assigned to the Minnesota - AID project in Morocco. There he helped organize programs of instruction and research at the Institute Agronomique et Veterinaire Hassan II, Rabat.

Ben was born in Kingston, St. Vincent, British West Indies. He received the BS in crop science in 1965 from the U of the West Indies, in Trinidad, and the PhD in plant pathology from the U of California Riverside in 1969. During his tenure in Morocco, Ben was author on 18 scientific papers.

GRADUATE STUDENTS



Donna Spaller



Edgardo Hijano



Steve Sunderwirth



Paul Scherman



Mary Palm



Roger Musick



Herman Wenzler



Steve Swanson



Monica Wallace

JOB

Professional personnel who have recently started working in the Department:

Boris Chevone, Research Fellow. BA 1965, MS 1968, Univ. of Massachusetts, Major zoology; PhD 1974, U of M, Major entomology. Started Oct. 1, 1976 under Krupa, working on the generation of ozone by high voltage transmission lines and its effect on vegetation. Boris has been a Jr. Scientist in the Department since May, 1974, working with Zeyen and Banttari.

Riley Hendricksen, Research Scientist. BS 1973, MS 1975, U of M. Major physics started Nov. 1, 1976. Riley is an electronic specialist, keeping the air pollution equipment running. He also works with data analysis and computer technology.

Frank B. Russo, Research Fellow, BS 1974, Major forestry, MS 1976, Major plant pathology, Rutgers University. He is studying the role of atmospheric contamination in northern Minnesota. He started working August 1976 and is going to quit June 30 to take a job in the East.

A picture of these gents is on page 16.

John Gronquist finished his MS in December 1976 and took a job with the U. of Nebraska, working on potato diseases. He is located at the Panhandle Experiment Station, Scotts Bluff.

Michele Meyer left June 6 and will work as a timber cruiser this summer. She plans to continue graduate work in one of the western universities next fall.

September 17, 1977. Sharon Knowles, who resigned January 1, 1976 to have a baby, returned as half-time Sr. Clerk-typist. Sharon assists Connie Vosberg with the bookkeeping.

June 16. Debbie Baden was promoted to Sr. Clerk-Typist. She will work with the Plant Pathology Extension program. Pamela Mehling will take over the Receptionist job vacated by Debbie

NEW GRADUATE STUDENTS

Roger Musick, Fall 1976. High School Perry, Oklahoma. BS 1974, Major agronomy; MS, 1976 Major, plant pathology; both at Oklahoma State University. Adviser:

Edgardo Heriberto Hijano, Fall, 1976. Colegio Nacional de C. suarez, Argentina, 1966; Universidad Nacional del Sur, 1972. Adviser: Fred Frosheiser. Edgardo worked with alfalfa diseases in the Instituto Nacional de Tecnologia Agropecuaria during 1973-75.

Herman Wenzler, Fall 1976. High School, Springdale Ark. BS, 1972 Major botany, University of Arkansas; MS, 1974, Major botany, University of Nebraska. Adviser, Brambl. Herman is majoring in plant physiology.

Steven Sunderwirth, Winter, 1977. High School, Rye, N.Y. BS, December 1976, Major biology, Macalaster College Adviser, Kennedy.

Brahim Ezzahari, Spring, 1977. Diploma in Agronomy, Institute Agronomique et Veterinaire, Hassan II, Rabat, Morocco, 1976. Brahim will work with cereal rusts under Alan Roelfs. He was an adult special in the fall of 1976.

Brahim Hafidi, Spring, 1977. Arrived last fall, spent Jan-Mar. in U of Cal. Davis. Diploma in Agronomy, Insitut Hassan II. He will work with Benham Lockhart on virus diseases.

ORAL EXAMS PASSED

1976		
July 9	Gloria Warner	PhD Final
Oct. 21	John Laurence	PhD Final
Nov. 11	Suprannee Gavinlertvatana	MS
Nov. 22	Mark Schreiber	MS
Dec. 13	Amberwati Tjokrosudarmo	MS
Dec. 20	John Gronquist	MS
Dec. 20	Laura Sweets	MS
1977		
Mar. 21	Robert Kroll	PhD Final
Apr. 4	Sunny Wei-ly Hsi	MS
Apr. 5	Lois E.B. Johnson	MS
Apr. 28	Robert Slattery	PhD Final
June 10	Margarita Atwood Palmer	MS

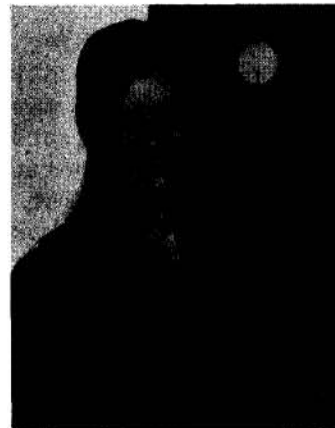
SOME NEW, SOME OLD, SOME DEPARTED



Anita Dille
Sr. Clerk Typist



Beth Schauerhamer
Jr. Scientist



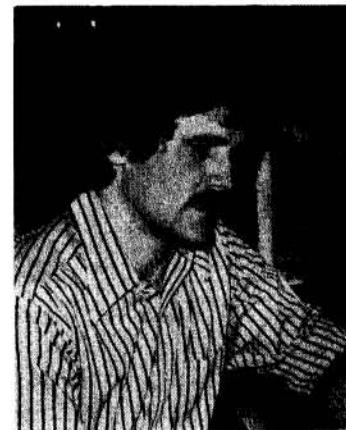
Nina Fraser
Sr. Clerk Typist



Bill Handschin
Jr. Scientist



Sue Overend
P H T



Loren Nickelson
Jr. Scientist

Anita Dille (pronounced Dilly) took the place vacated by Beverly Bergman who resigned to take a job in the Medical School. September 16, 1976.

Nina Fraser replaced Karen Beck, who quit February 9, 1977 to have a baby. On May 13, Nina resigned to take a job in Deer River, MN. Her place was taken by Dianna Proulx.

Sue Overend graduated in the Plant Health Technology Program in June and took a job with DuPont. She was President of the Plant Health Technology Club last year.

Loren J. Nickelson, started work in April 1976 with Dr. Kernkamp on the wild rice project. He has a BA from the Bemidji State U., 1973, major in chemistry and biology and BS, 1976, U of M, major, plant pathology.

Beth Schauerhamer and Bill Handschin are old timers, but have never before appeared in Aurora's portrait section. Beth started working for Prof. Mirocha in 1969 and Bill for Professor Brambl in 1974.

SPORE GERMINATION RESEARCH

Dr. Robert Brambl, Associate Professor has received a 3-year grant from the National Institute of General Medical Sciences. The grant will support his research on the biochemistry of germination of fungus spores, including mitochondrial biogenesis and the organization of the mitochondrial respiratory system during spore activation and germination. The objective of these studies is to explain the biochemical coordination between nuclear and mitochondrial genetic systems in the assembly of the spore respiratory system.

LUKENS LECTURES ON FUNGICIDES

Dr. Raymond J. Lukens, Plant Pathologist at the Agricultural Research Laboratory, Chevron Chemical Co., Richmond, Cal., presented five lectures on "Fungicides - importance, history and usage", Jan. 24-28, 1977. All aspects of the history, use, formulation, testing and action of fungicides were covered thoroughly. Students attending the lectures were able to receive academic credit. Dr. Lukens was for many years associated with the Connecticut Agricultural Experiment Station. He joined Chevron in 1975.

WORKSHOPS - PAST

Richard Meronuck, PhD 1971, Program Coordinator, Office of Special Programs, University of Minnesota Extension Service, (pew!) keeps plant pathologists busy educating groups with special interests. Of course, it doesn't hurt our image, either. Since last Aurora (Aug. 1976) there was a Food Mycology Workshop, Sept. 13-17. It was sponsored by Plant Path and the Department of Food Science and Nutrition. Clyde Christensen and Elwin Stewart taught, as did several imported authorities. On October 19-20 there was a workshop on "Air pollutants, their effects on human health and welfare". Sagar Krupa was head honcho and there was an impressive array of talent, including James Tammen and F.A. Wood.

PLANT DISEASE DETECTION WORKSHOP

A 2-week workshop will be held in the Department starting June 21 to train personnel who will initiate a new Plant Disease Detection and Information program in 10 upper midwest states. The program is under the Animal and Plant Health Inspection Service (APHIS) and will be coordinated by Mark Smith, (PhD 1968) Staff Officer, Plant Protection and Quarantine (PPQ).

The workshop will provide training for pathologists in the use of uniform and standard methods for surveying and reporting plant diseases. The information will be processed at the PPQ headquarters in Hyattsville, MD and made available to scientific personnel and the public through the Cooperative Plant Pest Report (CPPR). The Report is free to anyone writing to Mark Smith at PPQ.

Eric Stromberg will be the pathologist at St. Paul. He is finishing his work for the PhD at Oregon State University and will start work June 15.

WORKSHOP ON FUSARIUM

A Fusarium workshop is planned for September 6 - 9, 1977 to teach workers how to identify species of the genus. It is intended for advanced graduate students, faculty and other technical personnel. It will be sponsored by the Office of Special Programs and will be directed by Thor Kommedahl, Carol Windels and Elwin Stewart. W.C. Snyder and Shirley Smith of the U of California and Paul E. Nelson, Pennsylvania State U will also be part of the workshop staff. Registration fee: \$50. (Students, \$35).

PUNSTER T. Kommedahl got his come-uppance recently. As he and Debbie Baden were leaving the building at 4:30 Thor invited Debbie to come to the gym with him and jog. Debbie said that she was going swimming. Thor: "Then you're going the wrong way, the gym is over here". Debbie: "No, I'm going to my car". Thor: "You can't swim in a car" Debbie: "Haven't you ever heard of a car pool?"

TUESDAY SEMINAR - 1976 - 77

We will have to repeat what was said in the last Aurora: Tuesday Seminar was well-planned, the abstracts were ready on schedule and the papers covered a wide range of topics. They were well prepared and usually well presented. As planned, most presentations took 35 to 40 minutes, leaving the rest of the hour for discussion. And there was discussion--sometimes running as much as 10 minutes past the hour--a puny effort by old-time standards, but spontaneous and interesting.

Two guest speakers appeared at the regular seminar hour: Dr. Frederick Roth, Cornell University, Sept. 28 and Dr. C.P. Vance, USDA, Department of Agronomy, U of M, October 19.

THURSDAY SEMINAR - Sept. 1976 - Apr. 77.

The committee, consisting of Kathy Widin, Mike Grisham and Darrell Cox, plus Drs. Bob Brambl and Fred Frosheiser, arranged a varied program: Home talent speakers including Krupa, French, Kohut, Schipper, Skilling, Roelfs and Woodruff. Guest speakers, some of whom spoke at special, unscheduled seminars, were: Dr. Walter F. Marasas, South African Medical Research Council, 10/21/76; Dr. Merle Eversmeyer, USDA, Kansas State Univ., 11/18/76; Dr. Myron Brakke, USDA, Univ. of Nebraska, 2/4/77; Mr. Sam Dickinson, Erie Mining Co., 3/2/77; Dr. K.O. Lapins, fruting tree breeder, retired from the Canadian Dept. of Ag., 4/7/77. Dr. Isaac Wahl, Visiting Professor from the University of Tel-Aviv, gave 2 lectures on rusts.

There were a number of thesis proposals and reports of thesis results and Kommedahl gave his well-known (but often unheeded) advice on the use of slides in presenting papers. There were 2 or 3 "open sessions", not terribly intellectual; at one Matt asked what the "area under the curve" was, which elicited more embarrassment than enlightenment. Reviewing literature is practically a thing of the past.

One tradition that is still observed is the refreshment period after seminar.

Someone, supposedly having had a birthday, brings food and thereby earns the dubious privilege of being the victim at a sort of mock prelim. Questions are apt to cover the history and geography of the native land of the "Candidate" or details of his own career. But practically anything is possible, the object being to embarrass the suspect. Lately the affair has become known as "roasting the host". The refreshments usually are baked goods, sometimes prepared by the host or his spouse. And usually very good, too.

On January 13, 1977, Gloria Warner, probably still full of the spirits of the season, made history by serving a roast boar's head, complete with apple in the mouth and garnished with pineapple and other goodies. Gloria got the head from the farm of her father-in-law near lake Itasca and had a lot of help with the roasting from husband Dwain, who is a gifted amateur barbecue chef of vast experience.



So there it was, borne to the board in glory by Dave Lang and Dale Bergdahl. It was beautiful to behold, with even the bristles still in place. Bob Kroll carved. Some conservative people were a bit dubious about actually eating the delicacy, having a feeling that boars' head belonged in stories about Merrie England. However, all partook and the roast was picked clean.

Thursday Seminar - continued.

After the host is roasted, the formal seminar adjourns but often the intellectual feast is continued at some convenient tavern. The present popular spot is the Ground Round (GR) on Snelling Avenue, 1.26 km north of Larpenteur. If he is in town, Dr. Krupa is always on hand at these sessions and contributes generously to the discussions. He and Bob Kroll can debate on almost any subject, using facts from their own natural information retrieval systems. Stewart, Shrum, Lockhart, Percich and other staff members are often present, plus graduate students eager to enlarge their intellectual horizons.

And so the Ground Round fills a place in the lives of Minnesota plant pathologists occupied by other oases in the past: There was the Terminal, on Raymond Avenue, near the railroad bridge, where Ted Sudia and his contemporaries "gloried and drank deep"; Mannings, on Como Avenue in S.E. Minneapolis, fondly remembered by Peter Wilde; a place on Raymond and University (the name slips the mind) famous for girls and as the place where Andy Downie, PhD 1942, defended Man Mountain Henson from bodily harm by roughnecks. And still earlier, at the Dawn of Repeal, there was Schwartz's (now the Criterion Cafe, 729 University Ave.), where Stakman and others, now retired from their labors, were wont to come and, with the help of beer at \$0.25/qt. argue about what is a virus? and, is a physiologic race a biotype? Heady stuff, that was.

ATHLETICS AND SUCH

Time was when the PIPa softball teams won championships and occupied an important place in the image of the Department. In recent years the teams have been less successful (see elsewhere) and many of the students and staff couldn't tell you if there is a team nor care less. A shocking state of affairs! However, that does not mean that there is no interest in wholesome exercise or competition of sorts. Among the present interests is Jogging (1 mi/8+ min) and Running (1 mg/<8 min).

Minnesota plant pathologists started jogging in about 1968, Thor Kommedahl and Chet Mirocha being among the pioneers. It has increased in popularity since then; moderately so in prevalence, but considerably in intensity (as an epidemiologist might say). It is a recreation to which resistance is variable, but often very low, once one is infected. Of the staff, Kommedahl and Alan Pierce probably are most susceptible (or enthusiastic). Also rans are Wilcoxson, Mirocha, Neil Anderson, French, Pathre, Lockhart and Syd Nystrom. Mizicko and Fred Baker jog occasionally and there probably are others. Among the ladies are Mary Palm, Sue Overend, Laura Sweets and Mrs. Jean Schmidt.

According to Kommedahl and Alan, jogging or running benefits the heart, lungs and arteries as well as the muscles. Oxygen is used more efficiently. Heart attacks are reduced.

Competition among joggers and runners is of a non-specific type. A runner typically sets his own goals as to distance and speed and worries not if someone beats him so long as he achieves his own goals. Jogging has little attraction for people who need sharp competition for motivation. There are races like the Marathon which, by definition, is a course of 26 miles, 385 yards (42,193.1477 meters). However, joggers are compulsive record-keepers and many post their mileage each day for others to envy or to check their own accomplishments. Alan says he ran 270 mi. in April. That is 9 mi./day. Thor tries to make 4 mi/day on weekdays. He totals about 800 mi/year.

Most of the jogging pathologists use the track in the ag gym, going over at noon (Alan, French and Mirocha) or after work (Kommedahl, Wilcoxson, Anderson). In summer they often run outdoors. Alan tries to run outdoors at least 3 times a week, even when it is -10 F. His present goal is to run in the Boston Marathon, a prestigious affair. To qualify for this he must run the Marathon distance in 3 hours or less. Alan is from Boston.

AL WOOD JUDGED

Al Wood has been Head of the Department for nearly 5 years and, in compliance with University regulations, a committee consisting of Wilcoxson, Chairperson, Bushnell, Groth, Stienstra, Laura Sweets and April Grassel, PI Pa; and Dave Davis from Horticulture, sent out a questionnaire to staff members and solicited opinions from others in the University, the USDA and other commercial and educational institutions.

Al came out smelling pretty sweet, and will be around for another 5 years, God willing.* Quoting from the Committee's "Summary of Comments from Within the Department":

"Dr. Wood has many excellent qualities that have enabled him to achieve measurable success thus far in his tenure as Head of the Department and which suggest that he has the potential for continued success in the future. He is ambitious for the Department to be successful in its involvement on a broad front of plant pathological activities. He tries to lead by persuasion and has opened up opportunities for open and frank discussion of all topics relating to the welfare of the Department and its personnel. He has considerable energy, (an understatement) and when he focuses it upon a problem, he provides good leadership. His ability to lead has been made evident in the programs that he has helped initiate since he became the Head of the Department: the undergraduate program, the air pollution program of teaching and research, and the Dutch elm disease work. He has been a leader in hiring and retaining competent faculty and staff. He has been energetic in developing contacts for the Department within various agencies of the national and state governments and appears to be very effective in this type of activity.

"The most frequently expressed negative comment about Dr. Wood's performance as the Head of the Department had to do with his frequent absences from the Department and campus. Most people think that a number of problems have arisen and are now apparent within the Department because of these absences;

day-to-day operations of the Department frequently bog down, decisions that require action by the Department Head are unduly delayed. Faculty and students feel that he is not available for solving their day-to-day problems and they hesitate to approach him unless their problem may have an impact on the "big picture."

*June 7. Evidently God wasn't willing: Wood announced that he is going to quit and take a job in Florida.

PART OF THE MINNESOTA POLLUTION CORPS



Riley Hendricksen Frank Russo
Boris Chevone S. Krupa Bob Kohut*

The group also includes Dave Lang, Bob Kroll, grad students Donna Spaller, and Dave Gardner, two undergrads and a part-time chemist.

The pollution project is funded by the National Park Service, the Minnesota EQC, the Federal EPA, two large power companies and the Minnesota Agricultural Experiment Station. The budget exceeds \$1,000,000.

There are stations at several locations in central Minnesota and one in North Dakota where the air is monitored for ozone, nitrogen oxides, and SO₂. This takes a log of expensive equipment and much skill to keep the equipment op-

Pollution continued.

erating. Sagar and his group invented an automatic rain sampler and now have eight of these instruments at different locations in Minnesota.

Besides sampling the air, the research includes studies of the effects of air contaminants (like effluents from power plants) on crops and other vegetation. Open top chambers that filter air entering at the base, are used for such work.

Last January metropolitan papers reported that Krupa had been forcibly ejected (kicked out) from a farm in central Minnesota. At that time there was much opposition to surveys for a new power line. However, after a public meeting with the farmers where the purpose of the research was explained, there was no further opposition to the project.

* Bob Kohut resigned from the project last Mar 31. He accepted a job in Fort Collins, CO.

Mrs. B. J. Roberts Dies

We have just learned that Mrs. Bill J. Roberts died June 3 in Fort Collins, CO. Bill got his PhD in 1962 and worked for CIMMYT in Mexico until 1969 when they moved to Colorado. Mrs. Roberts had been ill for about a year and a half.

RETIREMENTS

Donald J. de Zeeuw, PhD 1949, retired in June 1976 from his position as Professor of Plant Pathology at Michigan State U., East Lansing. We have heard (on good authority, of course) that Don's chief interest now is geneology. It's the sort of thing that pays off once in a while, apparently.

J. Lewis Allison, PhD 1940, retired from his position as Superintendent of Washington State University Irrigated Agriculture Research and Extension Center, Prosser, WA on December 31, 1975. He now lives in Sun Lake, AZ, where Lew still does some consultant work. He says that while a student at Minnesota "I tried diligently to convince Stak that heavy dews and Chinook winds in my home state of Montana contributed in various and sundry ways to plant disease epiphytotics, although I am not sure that I was successful".

Axel Anderson, BS 1937 (Forestry), became Professor Emeritus on March 1, 1977. He was Head of extension work in plant pathology at Michigan State University. Axel took graduate work in plant pathology at Minnesota for about a year and then went to Michigan State where he got the M.S. in 1941 and the PhD in 1947.

St. John P. Chilton, PhD 1938, retired January 1, 1977 from his position as Professor and Head of the Department of Botany and Plant Pathology, Louisiana State University. Chilton was born in Philadelphia, went to high school in Baton Rouge, LA and then the BS and MS at LSU. He entered LSU in 1932, graduated with a straight A average (Valedictorian) in 1935, and got the MS in 1936. He took graduate work at the U of Minnesota in 1936-38. From Freshman to PhD in barely 6 years. Not bad. He worked for the USDA at the Regional Pasture Research Lab., State College, PA until 1940 and then returned to LSU. He became Chairman of the Department in 1948. Among his many research contributions was the discovery of controlled flowering of sugar cane. Chilton says: "I consider my 22 months at the U. of M. under Stakman, Christensen to have been exceptionally valuable to me".

PROFESSOR KERNKAMP RETIRES

Dr. M. F. Kernkamp, MS 1938, PhD 1941, will retire June 30, 1977. Kernkamp was born near St. Paul, September 16, 1911. He went to high school in St. Paul.

In 1941 he became Assistant Plant Pathologist in the Division of Sugar Plants, USDA, at Meridian, Miss. During 1942-46 he served with the U.S. Army in Europe, rising to the rank of Company Commander. He returned briefly to Meridian, Miss., in 1946 and then accepted an Assistant Professorship in Plant Pathology at the University of Minnesota. Subsequently he was: Assistant Professor, 1946-49; Associate Professor, 1949-1956; Professor, 1956; Assistant Director, Agricultural Experiment Station, 1956-61; Head, Department of Plant Pathology, 1961-72; Professor, 1972-77

Dr. Kernkamp was very active in the APS, serving on numerous committees and holding several offices. Outstanding among these services are: Treasurer-Business Manager, 1967-70; President, North Central Division, 1953; Chairman, General Arrangements, Second International Congress, 1971-73. He was a member of the Ad Hoc Building Committee, 1969-71 and was a leader in planning and constructing the new national headquarters building of the APS in St. Paul.

There was a retirement banquet for Dr. Kernkamp at the Roseville Holiday Inn, June 17, 1977.

Picture by
Michele Meyer



THE SONG OF M. F. KERNKAMP by T. Kommedahl

By the shores of Gitchee Gumee,
In the shining Big-Sea-Water,
Lay a field of waving wild rice,
Stood a field of healthy wild rice.

Dark behind it lay the paddy,
Lay the rice with spotted flag leaves,
There the rice with ugly blotches,
Lay the plots of M. F. Kernkamp.

In a boat sat M. F. Kernkamp,
Heard the rustle of the grasses,
Heard the lapping of the waters,
Sounds of music, sounds of omen.

"Helminthosporium", whispered grasses
"Shatter, Shatter" said the waters.
Flaring through the ghostly shadows,
Came the baleful, pesky root rots.

Ere upon my bed I lay me,
Ere in sleep I close my eyelids,
With my plumes and lusty war-clubs,
"I will lick them", spoke our Kerny.

Armed with sprayers full of poison,
Armed with nozzles spewing vapors,
Blasting out the blackened flag leaves,
Brought to life, the lagging rice plants.

When the story is completed,
And the wondrous tale is ended,
There will always be remembered,
Heroes of the like of Kernkamp.

Heroes conquering plant diseases,
Making food for all the hungry.
Thus the wild rice rings with laughter
As the fungi scream in anger.

"Ugh", the professors all responded,
From their seats on St. Paul Campus.

PLANT HEALTH TECHNOLOGY CLUB HOLDS CLINIC

On May 21, 1977, the Plant Health Technology Club held a special clinic to help people with plant health problems. May 21 fell on a Saturday when the regular Clinic is not open and so provided an opportunity for people who couldn't get to the campus on weekdays. The special clinic was announced over the radio and handbills were printed to advertise the event. Over 20 people called - fewer probably than if the day had been fair instead of cloudy and rainy.

The clinic, held in Room 105, Stakman Hall, was planned by Club members led by Nick Verstegen. About a dozen members were on hand to help customers. Club members did a good job of providing attractive educational displays. Free coffee and cookies, too.

The Plant Health Technology Club was organized in January 1976 to promote the professional interests of people majoring

in the Plant Health Technology program. Officers in 1976-77 were: President, Sue Overend; Vice President, Pam Mansager; Sec'y - Treasurer, Sue Birkebak, Officers for 1977-78, elected in June, are: President, Nick Verstegen; V. President, Glen Hartman; Sec'y - Treasurer, Ann Fitzpatrick.

The Club meets once a month to transact business and usually to listen to a speaker from a field related to plant health and biology and to partake of refreshments and good conversation. Picnics and other social events are frequent.

The Plant Health Technology program, started in 1973, has been highly successful. Jim Groth is the leader of the program and Bob Shrum and Dave MacDonald share with him responsibility for advising individual students. About 15 students in the program were graduated during the 1976-77 academic year and have been successful in finding jobs.



L to R: Jerry Amundson, Tim Arlt, Sue Overend, Pat Nolan, Jim Groth, Pam Mansager, Nick Verstegen, Glen Hartman, Ann Fitzpatrick, Greg Jorgenson, Sue Birkebak, Phil Nesse.



OFFICERS
Ann Fitzpatrick
Sue Birkebak

PUBLISH OR PERISH DEPARTMENT: Professor T. Kommedahl, Chairperson (3) of the Editorial Committee, reports the following statistics on the production of learned writing in the Department in recent years:

Type of Publication	1974	1975	1976
Technical Journal Articles (no.)	39	37	56
Abstracts (no.)	19	19	25
Bulletins, book chapters, symposia (no.)	4	3	1
Misc. (Fact sheets, Extension Folder, etc. (no.))	2	2	1

Authors of publications			

Faculty, staff, students author of:			
1 or more papers	39	32	50
Faculty, staff, students author of: (no.)			
5-8 papers	3	2	4
4 papers	0	1	5
3 papers	6	7	6
2 papers	12	7	10
1 papers	18	14	25
Percentage faculty who publish at least 1 paper:	72	59	69

In 1976 30% of the papers were submitted to Phytopathology and 24% to Plant Disease Reporter. The rest were distributed among 15 other journals.

The book by C. M. Christensen and Henry H. Kaufmann, "Grain Storage. The Role of Fungi in Quality", is now available in a Spanish language edition. It was translated by Ernesto Moreno Martinez, PhD 1969. The title: "Contaminacion por Hongos en Granos Almacenados".

SEED POTATO MEETING

The annual meeting of the Certification Section of the Potato Association of America was held Feb. 15 & 16, 1976 at the Thunderbird Motel, Bloomington. (That is near the S. P.-Mpls. airport). It was attended by about 40 people including Old Timers Bob Goth, PhD 1961, USDA, Beltsville; John Gronquist, MS 1977, University of Nebraska, Scotts Bluff; Monty Harrison PhD 1961, and Ken Knutson, PhD 1960, both of Colorado State U.; Bob Slattery, U of Wisconsin, Bryant; Gil Stallknecht, PhD 1968 and Leon Wood, PhD 1958, South Dakota State U. There were also several now in the Department.

NOMENCLATURE PROGRESS

There will always be people who think they are making progress by giving something a new name. For example: Years ago the old building that housed the Department until 1941 was named by some pseudo-taxonomist, Phytobrickhaus tremuloides, presumably because of a certain tendency of the building to quiver in harmony with a steam engine in the nearby power plant. When the "new" building was occupied in 1941, it was named Phytobrickhaus erectus, for reasons somewhat more obscure. In 1973 the building was officially named "The Stakman Hall of Plant Pathology". Now it is proposed that the Latin name be changed to Edificio fitopatologico Stakmaniensis comb. nov.

ROTOGRAVURE SECTION



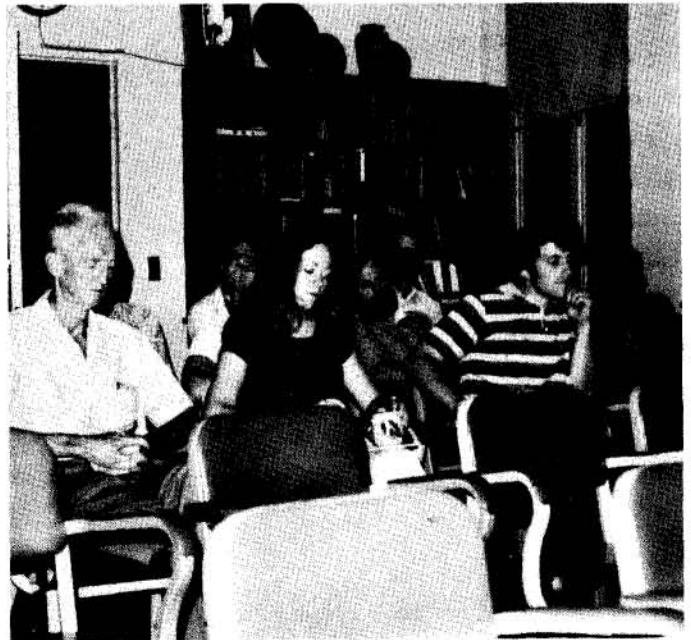
T. H. King, PhD 1946, Professor Emeritus, Plant Pathology, U of M and M. G. Boosalis, PhD 1951, Head of the Department of Plant Pathology, University of Nebraska.



James F. Tammen, Professor of Plant Pathology and Dean of the College of Agriculture, University of Minnesota.



Leon S. Wood, PhD 1958, Extension Pathologist, South Dakota State U. Monty D. Harrison, PhD 1962, Prof. of Plant Path, Colorado State U.



Thursday night prayer meeting. Up front: Matt Moore, Donna Spaller and Bill Woodruff. Behind Donna: Paul Scherman and R. Wilcoxson. In center: Jim Groth (whiskers) and Herb Johnson. Far right: Brahim Hafidi.