

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

## OLD TIMERS

Another honor has been added to the long list of honors awarded to Old Timer J. G. CRAIGIE. According to Nature, of March 29, he was elected Fellow of the Royal Society--"distinguished for his elucidation of the mechanism of sexual reproduction of the rust fungi and for his studies of the genetics and epidemiology of the cereal rust...."

Craigie plans soon to terminate his official duties, travel to Europe, and then to do as he pleases!

Dr. S. J. WELLENSIEK sent "best greetings to everybody" on July 3 from Laboratorium voor Tuinbouwplantenteelt der Landbouwhogeschool, at Wageningen.

In August, after his return to Surinam, (Dutch Guiana) Frank del PRADO wrote that he was very busy and that he also was engaged to be married!

"Eat only Norwegian sardines!" adjured Martin TVEIT, our only Old Timer from Norway. Now on a scholarship at London University, in England, he, too, is interested in a young lady--whom he discovered botanizing along the roadside.

That great follower of the race track, Dr. Fred DAVIES with Helen Davies (former Plant Path secretary) visited the Davies home site in Wales and toured other countries as well. At Baden-Baden he said, "Lieber den Magen verrenken als dem Wirt etwas schenken."

The French cereal pathologist, J. PONCHET, who spent the summer of 1951 at Minnesota, offers to serve as guide to ANY Old Timer who visits Paris.

Personal greetings from New Delhi, India, were brought to Minnesota by A.P. MISRA's brother, who came recently to take advanced work in English.

It's another boy! Oscar Pedro Eckard was born to Old Timer VALIEGA and wife on May 1 in Buenos Aires, Argentina.

Rodrigo ORELLANO, originally from Ecuador, Ph. D. Minnesota 1948, stationed at Turriaba, Costa Rica, and close neighbor to Bill Loegering, has become a citizen of the U. S. A. and is very happy about it.

Enroute to Colombia with wife and 2 husky boys, Ricardo CARDENOSA sent a card from Mexico to the Seminar: "Best wishes for all and every one of the members, all of them remembered for his kindly friendship to the fellow from Colombia.... Every old timer sends also his regards from Mexico City. Yes, sir!"

At the II Reuniao Latino-Americana de Geneticistas e Fitoparasitologistas there was another one of those convivial get-togethers:

"Un saludo de todos nosotros para todo de todo corazon!"

--from G. Garcia-Rada (Peru), L. C. Felix and Leonel Robles (Mexico), Dutch Harrar (New York), W. V. Harlan (Ecuador), Jose Vallega (Argentina), Ady da Silva (Brazil), Joe Rupert (Colombia) and some other signatories even less identifiable.

Aladdin and his wonderfullamp! As children we were entranced by the thought of floating thru the air on a magic carpet! But we never guessed that we might one day KNOW one of the Arabian Knights.... Dr. J. Lewis ALLISON, of North Carolina State College, "left June 14 by air for Iraq where he will spend a year as adviser to the government on behalf of the Food and Agriculture Organization of the United Nations."

At the University of Sydney (Australia) Centenary Celebrations, held in August, Old Timer Robert J. NOBLE was invited by Minnesota's director of relations to represent the University of Minnesota. On July 30 he stated: "I have just examined my hood and my trencher for the University functions." Mrs. Noble also examined her wardrobe for the social events and said she had "nothing to wear!"

Mike DALY, one-time Seminar chairman who transferred to the Botany Department, obtained the Ph. D. degree in August and now holds an assistant professorship in plant physiology at the University of Notre Dame. A daughter, Catherine Mary, came to live with Mike and Sally in July.

One of Dr. Harvey's students, George LATIES, will soon be leaving California Tech. to join the Plant Physiology department at the University of Michigan.

"Iron and Man" was contributed to the Seminar Library by Wayne ELLETT, at Columbia, Ohio. News of Minnesota visitors to Ohio--T. N. Shukla, L. W. Melander and C. J. Olson (now at Yoder Brothers, Barberton)--also was contributed on June 6. On this date Ellett inquired, "Has the snow all melted at U.F. by now?" Today--October 6, a few feathers floated down, presumably from white ducks flying south.

Also in June Lt. Col. Warren N. CHRISTOPHER reported another change of address: From New Jersey to the Tripler Army Hospital, Honolulu, T. H. on Aug. 1. His mail should go to Casual Personnel Section, Base P.O., U.S.A.R.P. A.C., APO 958 c/o PM, San Francisco.

Ex-plant-path-secretary Mrs. Gail Covey sent her address in September: 51 Kenmore, Jamestown, New York.

Next secretary to leave--Mrs. Veva Spier--vacationed in California in August before returning to Columbia, Missouri, where her husband will continue his graduate work.

Bill P. graminis LOEGERING reported from Costa Rica in April that in the course of mountain climbing he had found a barberry bush!

From Wooster, Ohio (where there seems to be a lack of WEATHER), Thor (late-wilt-of-early-flax) KOMMEDAHL reported that "winter never arrived; late fall merged imperceptibly with early spring."

But listen to this from California: "The winter months here are cold enough to make you shiver and the summer months quite hot, so I don't think I'm going to miss the seasonal changes too much," said Don MUNNECKE, of Los Angeles, in March. When he feels strong enough to brave the traffic, he visits Riverside to see Old Timers Wallace, Darley, and Cohen.

Mort COHEN himself reported on the weather there but in a more complimentary way. Said he had not seen Bob Atkinson, although his address in April was 7423 E. Graves Avenue, San Gabriel.

Big Andy (C. George) ANDERSON has given up his quarantine work in Oregon and returned to Proctor, his home town in Minnesota.

Dr. George H. STARR, formerly in charge of pathological work, Division of Agronomy, at the University of Wyoming, was made head of the Extension Service on April 1.

On May 2, James A. "Jim" LYLE, of Auburn, Alabama, extended best wishes to the Minnesota folks from himself and other Minnesotans--Coyt Wilson, Dick Davidson, and J. L. Seal. In spite of the influence of Alabama and Minnesota, Jim's thoughts were back in his native Kentucky when he wrote, with the problems of basketball and football proselyting.

According to Hugh FITZPATRICK, our mailing list is two moves behind him: His address now is 9663 Estrellita Avenue, Arlington, California. He wishes it were possible to drop in at St. Paul and renew old acquaintances.

Dr. Phares DECKER, plant pathologist at Gainesville, Florida, wrote on Aug. 22 that "ten years in Florida seems as only a few weeks. My family--2 boys, Glenn 11 and David 9, and 1 girl, Pharlee, 4--and I are happy in Florida." He also declared that he read Aurora from "start to finish."

"We are pleased to note" that a number of Old Timers are contributing their services to the work of the American Phytopathological Society:

- E. W. Hanson, Coyt Wilson . . . . . Councilors
- C. S. Holton. . . . . Phytopathology Editor
- K. W. Kreitlow. . . . . News Editor

Representatives

- E. L. LeClerg. . . . . Agricultural Research Institute, NRC
- S. J. P. Chilton . . . . . Division of Biology and Agriculture, NRC
- H. H. Thornberry . . . . . Associates Food and Container Institute

Standing Committees

- Freeman Weiss, Chr., . . . . . Donations and Legacies
- E. G. Sharvelle, Arden Sherf . . . Extension
- W. F. Hanna, J. G. Harrar, Lee Ling, H. A. Rodenhiser, J. A. Stevenson, Freeman Weiss. . . . . Internaional Cooperation
- S. J. P. Chilton, H. A. Rodenhiser. . . . . Placement
- Arden Sherf. . . . . Public Relations
- E. B. Lambert, Chr., J. G. Leach. . . . . Plant Disease Prevention
- Reiner Bonde. . . . . Seed and Plant Material Certification

Special Committees

- Thor Kommedahl. . . . . Membership
- K. W. Kreitlow, F. Weiss. . . . . Nomenclature and Classification of Plant Viruses
- E. L. LeClerg. . . . . Publication of Special Material
- J. G. Leach, H. H. Thornberry. . . Teaching of Plant Pathology
- C. L. Lefebvre, J. G. Leach. . . Utilization of Plant Pathologists and Facilities in National Emergencies

Temporary Committees

- J. A. Stevenson. . . . . Fungus nomenclature VIII International Botanical Congress
- A. G. Newhall. . . . . Method of collecting and Disseminating Data on New Fungicide Tests

OLD TIMERS AT PURDUE

On August 10, Drs. Kernkamp and Rowell and grad students Frosheiser (Wyoming), Olien (Iron Range), and Skiles (Colorado) journeyed to Indiana where they were the guests of Purdue for the A. P. S. summer meetings. Old Timers who were seen during the two-day sojourn included Earle Hansen (Wisconsin), Thornberry (Illinois), Conrad Olson (Barberton, Ohio), Kommedahl (Ohio), John Vaughn (Michigan State), Earl Hansing (Kansas State), Wayne Ellett (Ohio), Sherf (Iowa State), and Eric Sharvelle (Purdue). Eric was one of our gracious hosts and was in fine fettle (as usual)! Everyone present enjoyed the hospitality of the Purdue department during the evening of the 11th at the home of Dr. Caldwell, Head. Kernkamp returned to Minnesota as the new president of the North Central Division. John Vaughn was elected vice-president and Earle Hanson councilor. Congratulations, Kerny, John and Earl!

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Found in a paper from Ecuador as part of a title for a picture:

Elvin Stakman, Presidente del grupo de Consejeros de la Mission, Jefe del Departamento de Filantropia de la Universidad de Minnesota, y agente Especial del Departamento de Agricultura de los Estados Unidos.



## MINNESOTANS AT CORNELL

Cornell University was host to the A.I.B.S. on September 8, 9, and 10, 1952. The two old timers who are now fixtures at Cornell, L. J. Tyler and A. G. Newhall, ordered perfect weather for the 70 or more Minnesota Old Timers attending. Everyone enjoyed the three days, in spite of standing in line for meals, climbing the hills for meetings, and trying to press into already overcrowded meeting rooms.

Thanks to Tyler, who was deputized by the Seminar Committee, the Minnesota Old Timers' Breakfast was held in fine style in the Memorial Room of Willard Straight Hall on the campus. Elsa Jackson, the only representative of the Seminar Committee present, was official hostess, and Leon Tyler graciously welcomed us saying that the old timers there were happy to have the opportunity to play host. Then the hostess prevailed upon the other members at the head table to speak--J. J. Christensen passed the buck to A. W. Henry, who carried the ball admirably well, not only for the Canadian Contingent (I.L. Conners, D.L. Bailey, and Larry Tyner) but for his fellow members of the original Aurora Committee, Helen Hart and H. A. Rodenhiser, who were relegated to the foot table. J. G. Harrar then took a verbal run through both Asia and South America, where he has encountered plenty of Minnesota spirit, and then passed the ball to E. C. Stakman, who scored the final "talk-down."

Apparently some old timers like D.L. Bailey, Olaf Amodt, and Mrs. Paul Peterson overslept, never eat breakfast, or had other commitments on that morning. Let it be recorded here that they were conspicuous by their absence.

N. H. White from Australia brought the greetings of old timers Waterhouse, Noble, Watson, Hynes, Macindoe, and Churchward.

Earle Hanson and Coyt Wilson appar-



ently took time off from their duties on the Council to break fast with us. And J. G. Leach and J. A. Stevenson (plus Mrs. Stevenson) shirked editorial duties in order to be there. Ed Vaughan, now president of the Pacific Division of the A.P.S., and George Fischer came to see that the West Coast was well represented. Pat Allison had to represent the Clyde Allison family, but Thor Kommedahl and his wife, Faye, were there to help Ohio's representation. Phares Decker came to urge an A.I.B.S. meeting in Florida in 1954.

Mel Shurtleff and Kightlinger emigrated from New England, Curt Roane slipped up from Blacksburg, and John Vaughn and Axel Anderson rode over from Michigan. The nation's capital released LeClerg, "Ebee" Lambert, Cam Lefebvre, and Kreitlow, while the Great Plains and Mississippi Valley sent along Earl Hansing and Dave Gottlieb. "Spence" Mullin and Glenn KenKnight were quietly milling around as were Conrad Qson and Joe Goodman. Greenhagen became a proxy Minnesotan, and Dick Davidson was there on his way from Alabama to Ohio.

Camp Detrick sent along three members, Jack Mitchell, Dick Pon, and Ken Bromfield. Willie Q. Loegering played hockey from his work in Costa Rica to get a look at home territory again. We suspect that a good many other people should have been working also. For instance, Donald Folsom probably should have been digging potatoes, H. W. Bockstahler's sugar beets probably needed watching, Larry Miller should have been roasting peanuts, Tommy Graham should have been drying his tobacco, and the American Type Culture Collection undoubtedly needed the tender care of Freeman Weiss.

And dozens of others, who though they may have been missed in this account, certainly are missed here at home. We voice the sentiments of all when we say, "It was good to see you. Hope we meet and eat again next year!"

BOOKSHELF

\*H.A.H. WALLACE, Longevity of some common fungi in cereal seed, Canad. J. Bot., March. \*BONDE, Resistance of certain tomato varieties and crosses to late blight, Me. Bul. 497.

Have you read Donald Robinson's book "The 100 Most Important People in the World Today"? Included therein is the biography of Elvin C. Stakman! First published by Little, Brown & Company, Boston, the book has now been reprinted by Pocket Books, Inc., New York.



In Phytopathology may be found the names of other Old Timers:

- April-- Murakishi, \*Walter, Misra, \*Schuster, \*Thomas
- May-- \*Walter, \*E. W. Hanson
- June-- Murakishi, \*Gottlieb, \*Hingorani, \*Thornberry
- July-- Boosalis, \*T. Johnson
- August-- Bailey, Axel Anderson

See Phytopathology for September for abstracts by OT's--Gottlieb, E. Hanson 2X, Kreitlow, L. Miller 3X, Cherewick, Leach, Tyner, Vaughan 2X, Pat Allison, Fischer, Roane 2X.

ON THE LOCAL SHELF may be found:

Investigations on physiologic specialization and parasitism of Rhizoctonia solani; Minn. Tech. Bul. 200, by Kernkamp, deZeeuw, Chen, Ortega, Tsiang, and Khan.

\*Clyde Christensen, Aeration time & moisture content on fat acidity, nonreducing sugars, mold flora of stored yellow corn, Ger. Chem. Jan. Also, Lipolytic action of fungi isolated from stored corn. Ibid. July.

DeVay, Mold growth and increased moisture content on the free amino-acids in hard red spring wheat, Ibid.

Swaeby & Clyde Christensen, Molds in house dust, furniture stuffing, and in the air within homes, Jour. Allergy, July.

Butler, A new species of Mucor, Mycologia, July-Aug.

Goto & Moore, Some oat diseases in Minnesota, 1951, Pl. Dis. Reporter, March.

Stakman, The natural science program in Unesco, AIBS Bul., July Also, Introductory statement, and Characters of fungi important in comparative pathology, VI Congreso Internacional de Patologia Comparada Vol. I, Ponencias.

LeTourneau & Krog, Chromotropic acid for determination of 2,4-dichlorophenoxyacetic acid, Plant Phys., Oct.

Abstracts in Phytopathology, Sept., by 1) Anderson, 2) Lide & Makila, 3) Goto, 4) Kernkamp & Hemerick, 5) King, Krog & Schroeder, 6) Moore, 7) Moore & Olien, 8) Stewart, 9) Swaeby and CMC, 10) Tuite & CMC, 11) Bronfield & Broyles, 12) Jackson & Kowell, 13) Lu, Stakman & Rowell, 14) Thurston & Lide, 15) Reilly.

Abstracts in Report of the 8th Annual North Central Weed Control Conference: 1) LeTourneau, 2, 3, 4) LeTourneau & Heggeness, 5, 6) Heggeness\*.

\* With other authors.

COMINGS AND GOINGS

"Comings and Goings" occurred so frequently during the last six months that the ed. thought it wise to group them. If some names are forgotten, it is only the names and not the faces! The grouping in no way denotes rank or status--it just happened that way. We are happy to have had each and every one of you. All come back again, at one time, and we'll have a big party!

Goings of new Old Timers

Phillip Salisbury returned to British Columbia.

Tung Fang Chao and Shi-I Lu, with Ph.D.'s, started their voyage to China in September.

Norman Krog, Ph. D., left to take a position with the Nagra Chemical Division of the Food, Machinery & Chemical Corps at Middleport, N. Y., where he will do research on herbicides.

Ralph Anderson, Ph. D., has transferred his headquarters from Plant Pathology across the parking lot to Forestry where he is employed by the Lake States Experiment Station, USDA.

Merle Michaelson recently joined the staff of the University of Missouri at Columbia where he is Assistant Professor Plant Pathology and Botany.

Glen A. Hemerick, M.S., joined the staff of OT Lee Ling in Rome, Italy, where the FAO of the UNO is establishing a world plant disease reporting agency.

Ricardo Cardenosa, M.S., returned to Colombia, S. A.

Marco Flores received the B. S. degree and returned to Guatemala.

Lavaniel Henderson, with M.S., departed to take the position of Instructor at Tuskegee Institute, Tuskegee, Alabama.

Departures from the secretarial staff included Miss Shirley Freeberg in May, and Mrs. Veva Spier in August. Mrs. Gail Covey both came and went sometime between May and August.

Newcomers

A local product, Robert Campbell from St. Paul, started graduate work April 1.

Old Timer Dudley Preston sent Thomas Wylie to us from San Diego, Calif.

Syed Ali arrived from Pakistan during the spring, and S. D. Singh came from India during the summer.

September brought new students, Minoru Aragaki from Hawaii, C. S. Vankataram and Fateh Mohamed Turk from India, Hasni A. Mohamed from Egypt, and Howard L. Bissonnette from St. Paul.

Old Timer Joe Keplinger returned to continue graduate study.

Old Timer Frances Haglund was seen in the building early this summer, and later it became known that she is helping solve some of the rust problems.

Since the secretarial staff was depleted, it had to be reconstituted. Thus came Miss Janet Mannelin, Miss Mary Eslinger, and Mrs. Sybil McQueen. Needless to say the two misses caused some students to invent strange errands to the office.

Old Timers came--

Gladys (Plant Path Secretary) and Ted Wright from the apple country of Wenatchee, Washington.

Dr. M. G. (Mike) Boosalis from the University of Nebraska.

Drs. I. W. Tervet and H. H. Hotson from Dugway Proving Ground, Tooele, Utah were in and out all summer.

Dr. E. L. LeClerg, one-time forest-pathologist, once budget man, now from the Agricultural Research Administration, Washington, D. C.

Dr. John B. Mitchell from Camp Detrick, Frederick, Maryland.

Dr. K. W. Kretlow, Division of Forage Crops and Diseases, Beltsville, Md.

Dr. and Mrs. M. A. Petty and family from Lederle Laboratories, Pearl River, N. Y.

Tall Dr. James M. (Pee Wee) Wallace of Riverside, California.

Dr. and Mrs. Norma Borlaug and family (including frisky Billy) from Mexico City, Mexico.

Dr. J. G. "Dutch" Harrar from the New York office of the Rockefeller Foundation.

Dr. Ralph Lorenz from the University of Illinois, and twin brother Rolland from Guatemala--at different times.

Dr. Phil Hamm, now with Monsanto Chemical Company.

Dr. E. K. Vaughn, long not seen at St. Paul, from Corvallis, Oregon.

Dr. Richard Nelson (Log Dick), from N. W. University in Chicago.

Dr. E. B. (Ebi) Lambert, Mushroom expert, rust epidemiologist, aerobiologist, etc., from the office of Civil Defense, Washington, D. C.

Dr. John R. Vaughn and family, including Mrs. O. T. Dorothy Blaisdell V. and 3 daughters from Michigan State College.

Irv Schwinghamer from Fargo, N. D., where he works on rust with the USDA.

Dr. G. B. Sanford, former Minnesota potato boy, from Edmonton, Alberta, Canada.

Dr. H. A. Rody Rodenhiser, Chief, Division of Cereal Crops and Diseases, USDA, was here several times.

Dr. W. L. (Willie Q.) rust man Loegering, vacationing from Turrialba, Costa Rica.

Dr. and Mrs. A. W. Henry, also from Edmonton, Canada.

It is always with a great deal of pleasure that we welcome the visits of other friends who have minored in Plant Pathology. Among those who called the past six months were the following:

Dr. and Mrs. William White and family of four from Saskatoon, Saskatchewan, Canada. Dr. Sterling Wortman, Rockefeller Foundation, Mexico City, Mexico. Dr. Al Moseman, Chief of the Bureau of Plant Industry. Dr. H. L. Carnahan, State College, Penn.

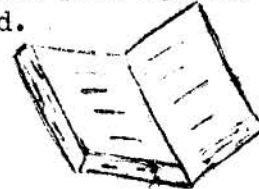
Others who visited for social reasons, business reasons, and most often both, included old acquaintances and new acquaintances such as:

Dr. E. L. Dennison, Horticulture Department, Iowa State College. Dr. K. S. Quisenberry, Division of Cereal Crops and Diseases, Beltsville, Maryland. Dr. G. H. Kingsolver, Camp Petrick, Md. Mr. and Mrs. H. K. Smith from England, Mr. Smith being a student at Rhode Island State College. Dr. A. M. Schlehuber, plant breeder from Stillwater, Oklahoma. Dr. Dan Millikan, plant pathology Division, University of Missouri. Dr. M. F. Welsh, plant pathologist from British Columbia. Dr. H. C. Murphy,

oats expert from Ames, Iowa. Dr. L. M. Roberts, plant breeder from the Rockefeller Foundation, Colombia, S. A. Dr. B. B. Bayles, crop improver from the Division of Cereal Crops and Diseases, Beltsville, Maryland. Dr. J. G. Horsfall, Director, Conn. Agr. Exp. Sta. Dr. M. A. McCall, Operations Research Office, Chevy Chase, Maryland. Dr. G. H. Coons, OT ex-officio, Division of sugar Plants, USDA. Dr. E. E. Wilson, Experiment Station at Davis Calif.

International trade of scientific man power and brain continued, and we received our share. The following were here for periods ranging from an hour to two weeks:

Mr. C. L. Behm, a seedsman from Hammaro, Sweden. Mario Duran, Agronomist from La Pas, Bolivia. Luis Komo, a physical chemist from Quito, Peru. Dr. A. A. Bitancourt, Director Instituto Biologico, Sao Paulo, Brazil, spent a week with us in June. Dr. Sven Bingenfors, Director, Swedish Seed Association, Uppsala, Sweden. Mr. Kraft von Crailsheim, Germany. Mr. Abdul Aziz, East Pakistan. Dr. Youssef Azab of Egypt and Louisiana State University. Chao-chen Tseng from Formosa. Messrs. Thung, Tenhouten, and Defluiter from Holland. Mr. Z. Volcani from Israel. Dr. Hardt from Finland.



Early in September the cornerstone of the new library on the St. Paul campus--immediately east of the old Tottering Tower--was cemented in place with due pomp and ceremony. Samples of wheat varieties developed at Minnesota were deposited in the strong box along with important current documents such as the Minnesota Daily, bulletins and separates. The building is a really beautiful one, practical and efficient. The first floor is devoted to books and undergraduate student use; the second floor to periodicals, bulletins and graduate student use.



LOCALS

We seem to be going through another period when the number of people finishing up and receiving their degrees seems so large that one begins to think that no one will be left in the Division. Prelims, Finals, Masters, and Ph. D.'s have been flying. After the smoke of intellectual discourse cleared away, Gabriel Murillo, Ricardo Cardenosa, Gen Hemerick, and Myrtle Norquist emerged smiling with Master's Degrees in hand. Prelim-passers Merle Michaelson and Bob Skiles looked relieved. The most satisfied looks of all were shown by new Doctors Dave French, Shih-I Lu, T. N. Shukla, Norman Krog and Ralph Anderson.

Thought you might be interested in something about the background of the new Chief of the Division of Agronomy and Plant Genetics. He's Dr. Will M. Myers (PhD Minnesota, 1936) who on July 1 replaced Dr. H. K. Hayes as Chief of our "sister division." Before coming back to Minnesota, Dr. Myers served as an Agricultural Administrator for the U.S. Bureau of Plant Industry at Beltsville. He is well known for his research with forage crops. Dr. Hayes, a member of the University Staff since 1915, left for the Philippine Islands in September to take charge of a plant breeding program for the Philippine government.

Recent recipients of the honor of election to the Society of Sigma Xi have been:

- K. S. Bedi, Hugh Hotson, Tung Fang Chao, John Gibler, Ralph Anderson, Dave French, Ishmail Ali Ibrahim, Angelita Melendez Schroeder, Duane LeTourneau, H. A. H. Wallace, Paul Fridlund, and Dick Nelson.

Marriages:

Brooklynite John Tute went home and was married to Camille Maloof on July 5.

On September 6 Dave Smith and Myrtle Norquist were married at Brainerd, Minnesota.

Births:



Dave and Audrey French, a son Thomas W.

Ed and Mildred Butler, a DAUGHTER, Susan Jane (sister for 2 boys).

Harry and Angelita (Melendez) Schroeder, a son, Harry Jr.

The University radio station, KUOM, presented Ray Landon and Al Larson on the hobbies program this summer. Ray talked on Indian relics, and Al on the history of firearms. These men have excellent collections of their own and are authorities on their particular hobbies.

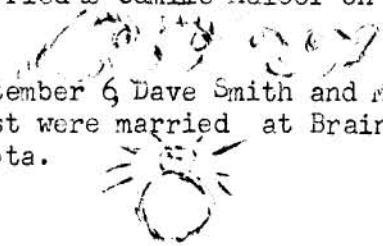
Norman Krog and Tung Fang Chao were guests of honor at a farewell picnic on the banks of the Mississippi, arranged by George Failes for the group in Ag Botany. Al Larson took his air rifle and challenged others to test their marksmanship on plastic beerbottles which were mysteriously floating down the river.

TUESDAY AT 4 (Spring Quarter)

To the uninitiated the smoke-filled room on the fourth floor with the cigar-puffing crew of dangerous looking characters earnestly arguing and discussing might be a political caucus bent on defeating a wiley foe. The only foes, however, are our worthy adversaries, fungi, bacteria, and viruses.

As far back as April, Old Tiner Shih-I Lu (now on a slow boat to China) was clarifying one of the more subtle combat methods of U.zeae, which mutates in black and white. According to Ken Bromfield (now at Camp Dietrick, Md) recent information on the spread of Dutch Elm disease, indicates that the wilt may be due to toxins produced by the fungus mycelium.

R. F. Burgess told how these fungus



enemies take to the air over Maine in his paper on air-borne spores. Harry Schroeder, going on the assumption that the enemy fights on its stomach, studied the nutrition of Diplodia zeae and gave us a report of his findings. Dave Thurston told us how slippery old Phytophthora infestans is, fighting back against resistant varieties by producing new races.

Recent-Old-Timer Glen Hemerick (now in Rome) added to the already black record of the alfalfa blackstem fungus by implicating it as an important factor in increasing alfalfa seed loss in northern Minnesota. Final-passer Bjorn Peterson brought the seminar up to date on his work with Puccinia coronata. Another north-of-the-border Old Timer, Phil Salisbury, talking on nematodes in relationship to root rots and wilts, swore that this adversary cruelly spears its victims prior to entering and eating.

Dick Nelson gave a resumé of his work on the use of sulfur and cultural practices in potato scab control. New Old Timer Marco Flores (now in Guatemala) discussed the factors affecting oospore germination and zoospore formation in Aphanomyces eutiches. Armas Makila described a new race of melon wilt which is very pathogenic on the hitherto resistant variety Iroquois but less pathogenic on susceptible varieties than common strains that attack Iroquois only weakly.

Ricardo Cardeñosa (now back home in Colombia) brought us up to date on the taxonomy of Helminthosporium. Bob Olsen exploded several myths on the subject of surface disinfection of seeds, especially in regard to the old standby  $HgCl_2$ .

As it is a democratic institution, the Seminar allowed the minor enrollees to form at the fount! The relationship of insects to the agents producing galls and insect transmission of Western X of stone fruits were contributions from the Division of Entomology. Control of flag smut of wheat in Egypt by A. N. Omar was the contribution of Agronomy,

while forester Don Prielipp elucidated balsam fir rot relationships in upper Michigan, and Big Chief Stakman finished Tuesday-at-4 seminars with side-lights on wood technology.

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#### SPORTS IN A MUSHROOM

The first of the few spring breezes set the stage for the annual Thursday night softball rally, which found the financial contributors far more plentiful than player volunteers. The following day brought the surging pilgrimage of ten stalwarts to the spring training site in front of the gym, the group being rapidly reduced to nine after the first thrown ball. The first game found us holding our own until the last half of the first inning. Although the season was short of both games and victories, our spirits were high and kept that way by such old stalwarts as J. J. C., Stak and Kernie. (We certainly could have used a few of you old timers!)

With the World Series now history and the Yanks champions again, our thoughts have turned to football and "What will the Gophers do?" The first two games of the season found the team dropping two to non-conference foes. First game - Minn.-13, Washington-19; second game - Minn.-13, California-49.

October 11th is a day to remember! It was then that the Gophers pulled themselves up by their boots and eked out a well-deserved victory over Northwestern, 27-26, the final Minn. TD coming in the last seventeen seconds. The following Saturday answered the question as to how badly Illinois would beat Minn. The Gopher defense literally rose to their height, and we stopped the Illini 13-7. Next game--Michigan for the conference lead!

The bowling team has organized again and awaits the opening of the season. Late season gutterballs dropped the team from the top of the league last year, but pre-season indications were for a strong team this year, although as the season opened we did drop five of our first six games.

## THURSDAY SEMINARS

Spring and summer add a new zest to Thursday evening seminars. Not only the awakening of Mother Nature, but the influx of visiting dignitaries inject new life into our search for knowledge and lightenment.

The first of the dignitaries to give us the benefit of his experiences was Rodrigo Orellana who discussed tobacco growing in Venezuela in conjunction with slides of his travels in South America. Dudley Preston was extolled as an expert on birds, soybeans, snakes, fungus collecting, and aerobiology. By way of reply he described the effect of California smog on plants and human beings. Milton Petty from Lederle Labs explained some of the techniques used in producing antibiotics on a large scale. Dr. Roberts, director of the Rockefeller Agricultural Improvement Program in Colombia, gave interesting sidelights on their work there.

Mr. and Mrs. Smith of Scotland joined our group one summer evening and Mr. Smith discussed his work here in the U. S. and research being carried on in England on antibiotics and systemic fungicides. Ian Tervet, now of Tooele, Utah, and Dr. Harrar, now of New York, N. Y., also added to the seminars sum total of knowledge. Mr. Lat, an extension pathologist from India, and Senor Alcarraz from the Bank of Mexico were others among the wide selection of visitors making the seminars more interesting.

After flowing introductions by the Big Chief and J. J. Christensen, honorary Old Timer Dr. G. H. Coons of the U.S.D.A. narrated the fascinating history of the sugar beet and its pathogens. Even visitors from as far away as Davis, California, find their way to 402 PP. Dr. E. E. Wilson gave an interesting account of a rather baffling disease on almonds. Old Timer Ronald Lorenz had an excellent set of colored slides showing various aspects of agriculture in Guatemala, even including pigs and chickens. Dr. Melander--barberry taxonomist extraordinary--talked

about his problems with Berberis spp. et al.

Numerous and far reaching were the edicts laid down in seminar. Former Old Timer J. J. Christensen was voted out of seminar for tardiness. (The only opposing vote was cast by sentimentalist M. F. Kernkamp.) No Turkish baths are allowed in the prep lab, according to the lab committee: the autoclaves are for killing, not cleansing. C. J. Side laid down the law on the maintenance of station vehicles and reviewed a bulletin published by the U of M which included 20 check points for the driver before and after each trip. Example: If drums are hot, it is probably due to dragging shoes!

The political affiliations of the seminar were discovered after a debate on changing the name of the American Phytopathological Society. It was found that there are 3 radicals, 25 conservatives and 3 agnostics.

Trilinguists Lu and Makih, speaking Chinese and Finnish respectively, reviewed articles on U. zeae in Spanish (Lu) and on toxic warts in German (Makih). They were very profound articles, too.

In addition to subjects of phytopathological interest, papers reviewed included the foot-and-mouth disease of cattle in Colombia, statistics on sugar production, particles in aphids, a book on bees, transferring and removing nuclei from amoeba, the biochemistry of sexual reproduction in plants, and luminescent bacteria.

Research reports were given on such important activities as the inroads of Bacillus uredovorus of Puccinia graminis by Gene Hayden and Dave Smith, a beautiful spot-blotch epidemic engineered by Leon Wood; is 410qq hermaphroditic?, the late-blight plot at Castle Danger by Chuck (Seminar Prexy) Logsdon, a new spot on alfalfa caused by Pseudoplea sp. by Dick Nelson, boron treatment of flax in relation to rust resistance by

Helen Hart and George Failes, and the antibiosis of soil isolates to Rhizoctonia solani by Fred Frosheiser.

Dr. Stakman gave several reports on the rust situation during the summer and kept us informed of the latest developments in 15B. Durums in North Dakota were hard hit, even Khapli was rusted at U. Farm. The red terror is not cornered yet! Included in a travelogue of his South American trip was a discourse on the effect of the Amazon and the Andes on South American development and sidelights on the Humboldt Current.



## COSTA RICAN SUPPLEMENT

Drs. Rodrigo Orellana and W.Q. Loegering, so they say, are enjoying their work at the Interamerican Institute of Agricultural Sciences at Turrialba, Costa Rica. Orellana is working with diseases of Cacao, particularly the manner in which Phytophthora palmivora causes infection. He is starting some control experiments at the present time. Loegering, with the U.S.D.A., is working on diseases of abaca or Manila hemp and has found that Marasmius stenophylus causes a serious stalk rot which can be controlled practically by sanitation. He has also been investigating the role of nematodes as direct or indirect causes of root rot, which is the most serious disease of abaca.

Mrs. Orellana and Tessa are now in Turrialba and gradually getting settled.

The Institute is located in the basin of a tropical valley at the foot of the Turrialba volcano, now more or less extinct, between the Atlantic coast and San Jose, the capital of Costa Rica. The main tableland portion of the valley has an elevation of 2,000 feet and is located at 10° north latitude and 82.5° west longitude. The average rainfall is 107 in., and the average temperature 73° and more or less constant the year around. Day length varies between 11 hours and 33 minutes in Dec. and 12 hours and 43 minutes in June. The humidity is high.

The Institute is a specialized agency of the Organization of American States and carries on a program of research on tropical crops and training students in tropical agriculture. The research covers particularly coffee, cacao, abaca, rice, garden crops, and corn. During the past few years the staff has been increasing and some very excellent work is being done in various lines of work. The Institute has a strong department of Rural Sociology.

C. M. Christensen