

PROPHETS ARE NOT ALWAYS WITHOUT HONOR

Seventy-five years ago Julius Kühn, "microscope farmer", was appointed professor at the University of Halle, Halle an der Saale, Germany, and founded the Institut für Pflanzenbau und Pflanzenzüchtung. This Institute since has grown into one of the world's centers of research in pure and applied plant genetics and plant pathology. The University of Halle, founded in 1694, is noted for other things besides its plant breeding institute, one of them being that it is the stronghold of Protestant theology. This is not due to mere coincidence, but to the fact that about a hundred years ago, in 1815 to be exact, it combined with or absorbed the University of Wittenberg, where Luther was a professor of philosophy.

It is not certain that Professor Stakman was influenced by the fact that the outstanding plant breeding institute at Halle had developed along with the strong theological faculty, but in 1925 Professor Elwin Carl Heinrich Immanuel des STAKMAN, of the Tottering Tower, and Professor Theodor ROEMER, of the Institut für Pflanzenbau und Pflanzenzüchtung, inaugurated a reciprocal trade agreement. Under the terms of this agreement, students were to be exchanged between the two institutions, duty free, and this agreement still is active, and has been of tremendous advantage to the fortunate students concerned, and to the respective Institutes, and perhaps, in a small way, even to the two countries at large.

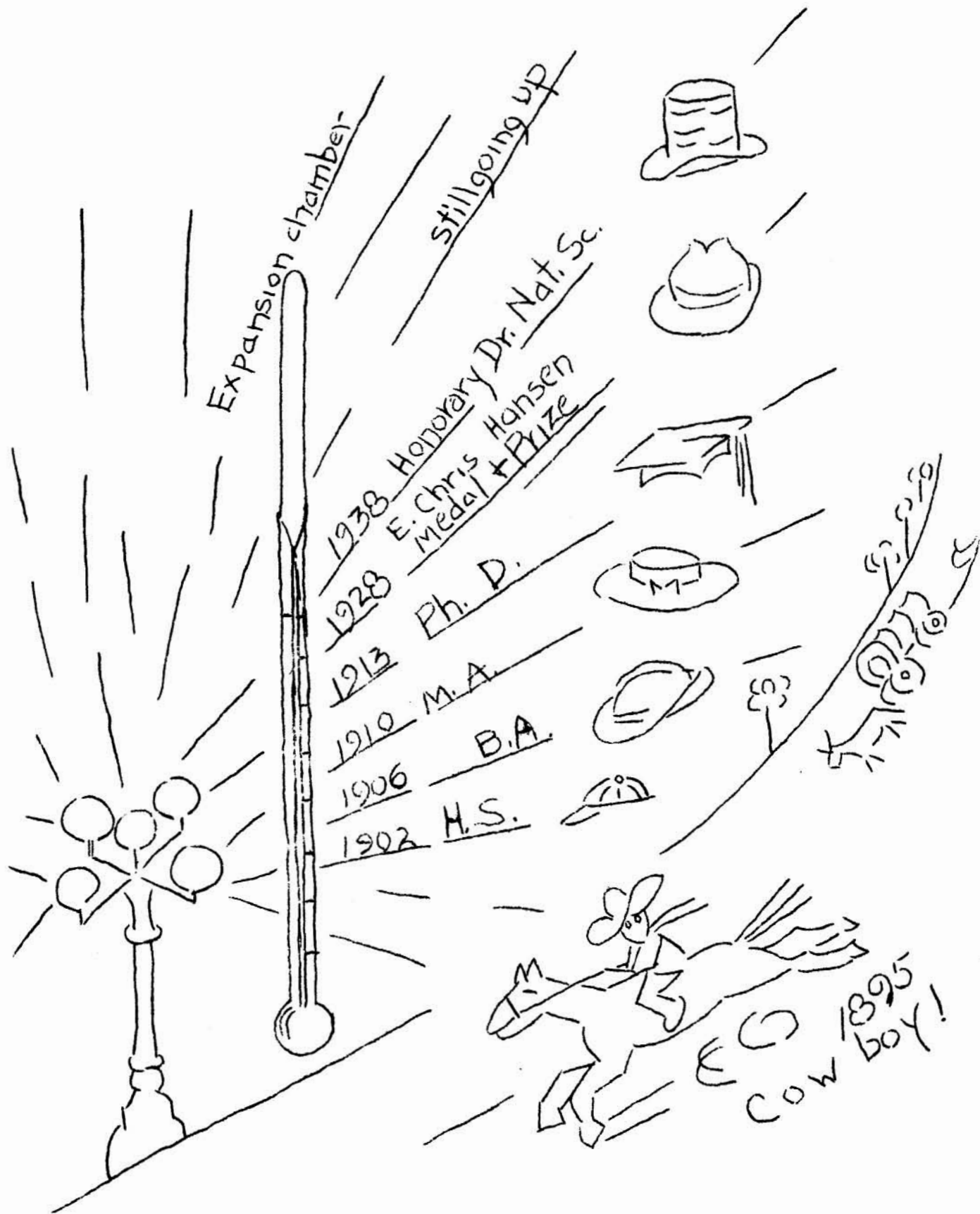
In 1931 Herr Prof. Stakman, overcome by nostalgia for the Vaterland and imbued with the urge to spread the Word, took leave of the Tottering Tower, to lecture for one semester in plant pathology at the University of Halle. It is reported that he spoke forcibly and with conviction, and even convinced some of his hearers that America is not entirely a land without culture, no mean accomplishment. His stay there helped tremendously to cement the friendship between the two universities.

Last spring the 75th anniversary of the Institute at Halle was celebrated, and, as a part of this jubilee, a degree of Doctor of Natural Sciences, Honoris Causa, was conferred on our Big Chief, Dr. E. C. Stakman. This degree was presented officially to Dr. Stakman on the 11th of October, 1938, at the University Farm. A festive luncheon was given in honor of the occasion, and among those present were a number of Deans from both the Farm Campus and the Main Campus, members of the Biology Club, numerous faculty members, most of the staff and some graduate students from the Tottering Tower, and a very few of Herr Prof. Stakman's friends from outside the University.

The University of Halle was ably represented by Herr P. von Stoltzman, acting consul general at Chicago, who came up here to present the degree. Dean E. M. Freeman took advantage of his position of toastmaster and of his intimate knowledge of Prof. Stakman's progress through the academic labyrinth to review his exploits, characteristics, career, and outstanding contributions to plant pathology, biological science in general, and scientific thought. Dean Guy Stanton Ford, now president of the University, Dean W. C. Coffey, Director of the Agricultural Experiment Station, Dean Tate, of the College of SLA, and Prof. Burkhard (Dr. Stakman learned German from him, although both agree that he knew a good deal about it before they met) added their reminiscences and congratulations. All agreed that the University of Halle, in presenting this degree, had honored not only Prof. Stakman, but, to a certain extent, themselves also. In his rebuttal, Prof. Stakman did not dispute this.

Since German universities do not award honorary degrees lightly, we are all justly proud of Dr. Stakman, and we bless the fate that led him, knowingly or unknowingly, away from the Lutheran ministry and into Science. All past and present members of the Tottering Tower join whole heartedly in sincere congratulations to him. May he long continue to lead and inspire us. May his arguments never lose strength. May the science and thought he has helped develop ever continue to grow, and to

enrich our knowledge and understanding of the world about us and of each other. Amen.



University Regrets Loss of President Coffman

President L. D. Coffman died at his Minneapolis home on September 25, 1938. Many paid tribute to him by attending the simple rites held in his honor at Northrop Hall. The university has lost a great leader, and many of us mourn the loss of a beloved and honored friend.

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Dean Ford Appointed New Prexy

Guy Stanton Ford, new president of the university, has served as professor of history and dean of the graduate school for 25 years. He is well known as an eminent scholar, an experienced administrator, and an inspiring leader. We are happy and proud to have as our leader such a gentleman and scholar.

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New Comers Arrive at Tottering Tower

D. J. DE ZEEUW (Michigan State, '33), formerly on barberry eradication in Michigan. J. T. PRESLEY (Maryland, '35), on leave from cotton root rot studies at Sacaton, Arizona. John VAUGHN (Colorado, '38). T. R. WRIGHT (Penn. State, '37), formerly with Dutch Elm Disease Laboratory at Morristown, N. J.

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Dr. JOSE VALLEGA is the new member of the foreign legion of the tottering tower. Dr. Vallega hails from the Instituto Fitotecnic, University of La Plata, Argentina, where he specializes in breeding rust resistant flax and wheat. While at Minnesota he will study the Americano physiologic-race and breeding technic.

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Oldtimers Return

T. W. GRAHAM, who left the Tottering Tower in the spring of '35, to work on the dutch elm disease in the east, has returned to resume graduate work. R. K. VOORHEES, who left in the spring of '36, to work on citrus diseases in Florida, has also returned to resume graduate work.

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Miss DOROTHY HARMALA recently resigned from her duties as stenographer in the potato certification office, to enter the University as a not-too-verdant freshman in S. L. and A. She will now seek further knowledge on the intricacies of life. Miss L. MATTSO is the new stenographer in this office.

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Congratulations!! Before departing for the land of grass skirts and guitars (Hawaii), CHET WISMER passed his Ph. D. prelim. Now he can hula-hula with a clear conscience. Why all the recent cigars and candy from HWANG? These Chinese do not splurge for the fun of it. Well, figure it out. Yes, he too passed his prelim.

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Another milestone passed'-foreign language exams for the candidates for advanced degrees-MILTON (Huey Long) PETTY, and LAWRENCE (Man Mountain) HENSON, recently fulfilled the requirements for German. Last, but not least, M. F. KERNKAMP is now a full fledged Frenchman, but minus the mustache (at least visible).

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Miss ANNA (Hormodendron) HEDGES, bacteriologist, parasitologist, etc. recently returned to her alma mater (Kansas), after spending the past summer at University Farm, delving into the private lives of certain fungi.

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Come west young man, come west. LEE HINES and LEW ALLISON recently answered the call of the west by boarding their joloppy (car to you), and heading out to see the sights. They stopped at several points of interest, including Bozeman, Montana; Yellowstone Park, Wyoming; and Black Hills, N. D. While in Bozeman they called on Old Timer R. A. BAMBERG.

LEE HINES has recently accepted a position (which may turn out to be a job) with the Bureau of Plant Industry, to work on disease of Tung in the south. He will be stationed at Bogalusa, Louisiana. Thus, he will not resume his rubber investigations in Liberia, Africa.

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Requests for greenhouse space are in, sez greenhouse committee chairman EIDE (a plant vivisectionist). To most of you Aurora readers, it is probably a waste of space to elucidate on the annual fall wrangle over greenhouse space. However, the fact remains that we still need more greenhouses. Flash--the war is on, 100 wheat seedlings killed in the rush. Sez he (EIDE)-do youse need that much space; Sez we-Yes and more too; Sez he- nize work if you can get it; Sez we-but can we get it if we try? Sez he-aye ban tank so, maybe yes, maybe no. Thus it goes on, ad infinitum.

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Matrimonial Flashes

	<u>Who</u>	<u>When</u>	<u>Where</u>	<u>Why</u>
HARRY UKKELBERG	-X- BLANCHE BRYAN	Oct. 1, 1938	Charleston, S. C.	Prosperity
FRANK KAUFERT	-X- IONE MOSSMAN	Oct. 28, 1938	Princeton, Minn.	Prosperity

Ye "keyhole" personnel reporter heard that DON STEWART also weakened while at the University of California this past summer. DON is now in forest pathology, working in the vicinity of Duluth, Minnesota, where he and Mrs. Stewart reside.

OLD TIMERS' COLYUM

From the Antipodes comes word that J. G. GIBBS is working hard and soon will launch a thesis in the balmy atmosphere of New Zealand. Gibbs also has been making experiments on onion smut, hybridizing rape for resistance to club root, dusting cereal seed for bunt control, working on Phoma lingam of rutabagas and studying resistance to rusts and loose smut of wheat. On Sunday mornings the GIBBSES have heard the Golden Gophers play football over the radio, have heard the band play the Minnesota rouser, and say that they have even developed a feeling of homesickness for the North Star State. This is reciprocity, because a lot of people in the North Star State have developed a feeling of homesickness for the GIBBSES. They send their regards and best wishes to all and sundry.

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Dr. Kurt HUBERT writes from Halle-Saale that he has so much work that he finds it difficult to write letters. However, he found time to write announcing the birth, on September 29, of a husky boy, whose name will be Günter Hubert. Congratulations and prosit! Hubert sends his regards to all his friends here and elsewhere.

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Larry TYNER writes from Edmonton, Alberta, to the effect that there was considerable rust in Alberta this year but that the yield exceeded that of 1937, that the price is poor, but that optimism for the future still prevails. TYNER sends his regards to all the boys around the Tottering Tower and in a subsequent sentence mentions the girls also, with the corollary that the first should be last and the last should be first. Thus does politeness prevail in our Sister Republic!

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We were glad to hear from A. W. HENRY, even though it was all about business. ✓

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Born! A second son to W. J. CHEREWICK, at Winnipeg, Manitoba. Congratulations, Old Timer, and may the son soon toddle in to see the Tower totter. ✓

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On August 27, Lee LING sent the following news from China:

"..Next month, the agricultural institutions in this province will be reorganized. An institution entitled Szechwan Provincial Experimental Station will be established to include all...branches of agricultural science. Plant pathology and entomology will become a division...there will be a new laboratory..devoted to ✓

research and manufacture of fungicides. The cost of imported chemicals, even from other provinces, is far beyond the purchasing power of the farmers here. During the war times, the urgent problem we are facing is how to increase the production of food crops as much as possible, so we are planning to extend the use of copper carbonate in preventing smuts to about 50,000 acres... There will be plenty of difficulty in introducing the new methods to those conservative farmers in the interior."

Ling also said he had just had a letter from Dr. WANG, who hesitated to visit Chengtu, since he would have to pass through Hankow, "here the air bombing seems to become a daily lesson now."

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Dr. S. J. WELLENSIEK, at home and at work in Wageningen, Holland, has realized the dream of almost every scientist: His present position is 100 per cent research, "without any trouble from reports to write and similar worthless things." His Institute cooperates closely with Dr. Roemer's staff, and he states that Miss BECKER spends time with them each year to look after experimental fields at Wageningen. "When she comes next year, we shall organize an old timers meeting!"

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Jack WESTERN sends good wishes to the Gang from Wales, and expatiates interestingly and soundly on problems agrostologic, pathologic, and otherwise.

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Dr. Garcia-RADA, Old Timer in Peru, indicates in a recent letter that a photograph of the members of the Tottering Tower would be welcome. Thank you very much, Senor Ingenierio. This is the first time in history that there has been any intimation that the pulchritude of the human population of Phytobrickhaus tremuloides is such as to deserve perpetuation.

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Welcome Home! After work in England, and after work and play in Italy, Holland, and Belgium, James M. (Jimmy) WALTER and family were returning homeward the last week of October aboard the S. S. American Trader. These were good tidings! We predict a waning of the power of the Dutch elm disease in America!

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Our California O. T., James M. (Peewee) WALLACE, breaks too long a silence with copies of his Idaho work (vide BOCKSHELF) and news of his daughter: "...I wish you...could see out little daughter. Naturally we are plenty proud of her even if there isn't any chance that she will be a star quarter-back in the years to come.." We look forward to seeing the Californians at Christmas.

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Returned to the Fold! Tommy GRAHAM and Mrs. (Vera Koerper) Graham from the Dutch Elm Disease Laboratory of New Jersey, and R. K. VOORHEES from Florida.

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Liberian Old Timer Remains in U. S. A. Le HINES wrote on October 17 that he had decided to remain in this country. He will be engaged in tung investigations for the U. S. Department of Agriculture, with headquarters at Bogalusa, Louisiana. MCINDOE is the loser, we the gainers, for this change should permit us to see Old Timer HINES oftener now!

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A New Job! Eric J. (Frenchy) SHARVELLE is now working at the Experiment Station at Geneva, N. Y., on a fellowship from the U. S. Rubber Company, testing rubber accelerators for fungicidal value. Eric promises to "try hard to uphold the good name of P. tremuloides."

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R. H. (Bam) BAMBERG occupies himself with Montana wheats, rusts and smuts, enjoys it, has no difficulty in finding plenty to do, and thinks "the daughter is at least average in development for her age."

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Now at Columbus, Ohio, C. C. ALLISON has become a Kodachrome fan. "has any one at Minnesota been taking natural color pictures of diseases?" Allison recommends them strongly. He further boasts: "Ohio beats Minnesota in many respects--and I hope in football--such as good grapes, even better melons than I could raise, good

peaches, apples, tomatoes, and hundreds of other crops." However, he breaks down and bets two cigars on Minnesota in the game against the University of Washington. AND he won, but he hasn't ONE--cigar-yet! This may give an idea with whom he bet.

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Rumor Confirmed! O. T. Mary GODDARD is now DOCTOR Goddard, and has been Doctor Goddard since June 7, 1938. A reunion was held recently in Carbondale, Illinois, of Old Timer CASSELL and Old Timeress GODDARD, on which occasion candles were burned to celebrate the former's birthday.

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Recent O. T. Robert (Bob) C. CASSELL writes "Hi--Gang: ..Teaching Crops, Soils, Ag. Economics, Vegetable Gardening, Orchardng, Diseases of Fruits and Vegetables, Diseases of Cereals, Plant Breeding. Start work on the Experimental Farm this week. The entire 80 acres have been designated as my headache."

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C. S. HOLTON has informed us that stem rust was heavy again this year in the Palouse district of Washington and Idaho--very heavy on barberries and completely destroying grain in localized areas. Heaviest infection occurred in the low spots, where yields ordinarily are best. He offers to duel with Melander!

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Ralph M. LINDGREN, altho still traveling for A. D. Chapman and Company, Inc., is still interested in the Minnesota football team, and Friends in the T. T. still look forward to seeing him when he comes this way.

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Very Old Timer F. J. SCHNEIDERHAN, now with the Chipman Chemical Company, Inc. acknowledged a recent letter from the Tottering Tower as follows:

"The contents of this letter have been carefully scanned, the rhetorical swing thoroughly enjoyed, and the prediction that the Golden Gophers of Minnesota may have clay toes has been verified. I listened with deep pain to the Northwestern game, and I realize now that the gold content of the Minnesota line has been severely tested for ductility and found extremely ductile. As a commercial pathologist I venture the suggestion that the inert content was somewhat too great. It must have been a grand battle and I fully believe that the last fumble cooked the Minnesota gopher. And so have the mighty fallen!"

Yah, but who made the CLAY TOES prediction!!!

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Fusarium lycopersici and Ustilina vulgaris occupy the time and attention of O. T. Dorothy BLAISDELL, but not to the exclusion of her correspondence with AURORA. Praise be! De lady am smart, de lady am cute, and every one of us for her we root!! Praise be, we is a poet! (She who wrote this wouldn't sign.)

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A letter from Bob ATKINSON, at Louisiana State University, sounds like Old Home Week, with news of FORBES, PERSON, CHRISTOPHER, LENZ, AND KREITLOW. Kreitlow, so the report goes, has two Plant Path labs, and Atkinson has three--plus an ear to the radio on football days. Lee Person has a new house, which is only one door removed from Forbes. Christopher, after a plantation summer at Cheyneyville, is said to be "as healthy looking and as solid as a Minnesota lumberjack." That's the way we all are up here in the Nawth--husky and solid and lookin' for work! Watch your ways, you of the Southern wing of the Tottering Tower!! Shall it be said that the Southern wing constitutes the motile factor in Phytobrickhaus tremuloides? What say, you of the Mouldy Gang at Louisiana?

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Like a female creature who tosses her last sassy dart and therewith flounces out of the room, we take our departure! See you again when we receive more ammunition.

They Didn't Quite Have the Speed

This year's Minnesota football team was good but not great. Probably the principal handicap was lack of speed. Yet the team deserves far more credit than many teams of greatly superior ability because they came close to playing to the limit of their capacity most of the time. What more can be asked of any organization or individual! Whether the members of the team knew that they were just ordinary and would have to be ordinary because they simply didn't have within them the necessary genes for speed, is something that Ye Ed doesn't know.

But Ye Ed does know several things! First, that a lot of experts were wrong about this Minnesota team, because they either didn't have enough facts at their command, or they permitted the wish to be father to the thought. Some of them predicted a brilliant career for the team because they were impressed with MINNESOTA AS A NAME. Those commentators were poor scientists: They didn't distinguish between a NAME and the REAL THING. Another group wanted the team to be great, so they preached the doctrine of its greatness. They also were poor scientists, because they substituted wishful thinking for objective thinking. Maybe there is still another group who thought the Minnesota coaching staff could perform miracles, that they could endow the members of the team with qualities that the Lord hadn't seen fit to endow them with. They also were poor scientists. As has been pointed out previously, "miracles of science" is a fine figure of speech, but most modern miracles are the result of hard, intelligent, and persistent effort.

What it boils down to is this. Every scientist should retire periodically into his cubicle, commune with his soul, and determine whether he is using his abilities to approximately their maximum capacity. If he is, every fairminded person will commend him. If he isn't, he should condemn himself.

After thinking about the matter for several generations, Ye Ed has confirmed the conclusion that there is no substitute for hard, and persistent, and intelligent work--with hand and brain. Too many people are self-indulgent, although they would hotly deny the allegation. They have a positive genius for making excuses for doing only those things that it pleases them to do. But that is not the way of progress and accomplishment. In every job there are unpleasant as well as pleasant tasks, and the task is to make unpleasant tasks pleasant by rolling up the shirt sleeves, setting the jaws, and getting a real kick out of overcoming obstacles, whether physical or mental.

Sure, this is a sophomoric essay. The above is only what we learned in Sunday school in the halcyon days of our childhood. But there are certain truths which are just as true today as they were when Nestor was young, and maybe it doesn't hurt us to keep reminding ourselves of them.

Dim lights may be as soothing to the mind as "bright lights" are to the mind seeking oblivion from itself, but neither gets us very far. Please pass the iodine, Haliver oil, and horse radish.

VISITORS

Anderson, Dr. E. J. (also Mrs. E. J. A.) - Department of Botany and Plant Pathology, North Dakota Agricultural College, Fargo, North Dakota.

Baynes, W. C. - Rubber Research on Golden Rod. Department Plant Exploration, Savana, Georgia (During summer).

Bond, Dr. George - Lecturer in Plant Physiology, University of Glasgow (Now spending fall quarter at Madison, Wisconsin).

Crowell, Dr. Ivan H. - Lecturer at MacDonald College, McGill University, Canada.

Hansing, Earl D. - Department of Plant Pathology, Cornell University, Ithaca, New York.

Hines, Lee - back from Liberia and now with Bureau of Plant Industry, Bogalusa, La.

Kaufert, Dr. Frank - Pest Control Research Division, Du Pont Experiment Station, Wilmington, Delaware.

Person, Mrs. Lee - Wife of Dr. (Teeny) Person, Baton Rouge, Louisiana.

Tyler, Dr. John (also wife and big son) - Boyce Thompson Institute, Yonkers, N. Y.

U. S. D. A.

Dr. J. E. Kotila, Mr. W. L. Popham, Dr. Freeman Weiss, and Dr. W. J. Zaunmeyer, Washington, D. C. Dr. H. H. Flor (also Mrs. Flor, and two daughters) Fargo, North Dakota.

STATE FAIR

Barberry Eradication exhibited in the Agricultural Building at the State Fair again for the 18th year. A Davis Bulletin Machine, banked on each side by some big common barberry bushes, told the story of the relation of barberry to black stem rust. A Japanese barberry also was exhibited, to demonstrate the differences between the two berberis species. Several sets of rust-infected wheat differentials were kept in the booth to show differences in physiologic races of Puccinia graminis tritici and how these races may hybridize on the barberry. "Spike" STEWART and WARD MARSHALL completed the exhibit by holding themselves in readiness to explain the significance of the material. State Fair goers kept them busy doing this.

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The department also was represented in the W. P. A. exhibit. Under the direction of "CHRIS" some of the scab work was exhibited under the label "Is your Seed fit for Seed and Feed?" Specimens were displayed, explanations were given, questions were answered, and infected barley kernels actually were plated out by SARMIENTO and LINDORFER. In addition to this, original paintings by Mrs. RUTH BIERMAN of common fungi were shown.

EXTENSION

R. C. ROSE REPORTS:

Late blight of potatoes was prevalent in northeastern Minnesota for the first time since 1928.

Harvesting of the seed potato source demonstration plots has been going on at a furious pace during the last few weeks. The certified seed plots are yielding up to three times as much as those from farmer's seed.

Scab on wheat and barley has increased this year, especially in the southern section of the state, due mainly to timely precipitations and an abundant source of inoculum.

Very little smutty wheat has been received at the markets this year. Rose hopes that this condition exists because of increased use of seed treatment and not because of weather conditions. Extension marches on!

MORE EXTENSION WORK

On October 23 Dr. E. C. STAKMAN left the "Tottering Tower" for Chapel Hill, North Carolina, for the purpose of giving an invitational address to the semi-annual meeting of the National Academy of Science. His topic was "Plant Disease Fungi Constantly Evolving New Types" and was delivered at the October 24 evening session which was open to the General Public.

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I. W. TERVET (Scottish descent) having been brought up in the lore of his home land, has natural tendencies toward the national pastime of Scottish origin. As a result he has been called on at various times lately to give advice and help to the Golf Green Keepers Association.

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The "BIG CHIEF" spent the first few days of October in Washington, D. C. attending the meeting of the Interdivisional Committee on Aerobiology of the National Research Council. H. A. RODENHISER is a member of the same committee.

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Our own one and illustrious DR. L. W. MELANDER has become interested in serving his community (a worthy cause). Not only does he preside at the Midway district P. T. A. forum on "Education in St. Paul" but he is president of the Murray High School Parent-Teachers Association.

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A. G. TOLAAS and R. C. ROSE appeared on the program of a meeting of the Potato Growers and Shippers held at the State Capitol, October 14. Tolaas spoke on certified seed potato production, while Rose outlined the outlook for demonstration work for the coming year.

"SCIENCE AIDS THE FARMER"

A five-star picture

On September 9 an extension movie "Science Aids the Farmer" was presented at the Plant Path building under the supervision of Dr. E. A. Ausemus. The film was made by the Canadian Grain Growers Association and shows the methods by which the Dominion Rust Laboratory develops rust-resistant wheats.

The film was especially enjoyed by the Old Timers of the department, since all of the principal actors in the film were old and familiar friends. The cast included Peggy NEWTON, CRAIGIE, GOULDEN, WADELL, and WELSH all of whom have at one time or another rendered Class A performances at the Tottering Tower.

PICNICKING PATHOLOGISTS

The annual "get-acquainted" picnic of the Plant Pathology Department was held at Hidden Falls on October 6. A typical crowd, pathologists, wives, children, and dogs, was on hand to impart the color and spirit characteristic of Plant Path picnics.

The inevitable diet of hamburgers and onions, coffee, apples, etc. was quickly consumed and the more voluble male members (especially the Southern contingent) lost little time bursting into song. Untiring efforts by the eminent E. C. S. resulted in the organization of an impromptu international song-fest in which the League of Nations appeared to be well represented. A feature attraction in the evening's program was a spirited (?) rendition of "Love's Old Sweet Song" by the fairer (?) sex.

Needless to say, the picnic was a colossal success due in large part to efficient organization, blazing bonfires, and ravenous appetities for food and song.

BOOKSHELF

"We won't hardly have to dust at all now," says Dick the Dishwasher, "the shelf is full!" Thanks for the following, Old Timers!!

Churchward, J. G. Studies on physiologic specialization of the organisms causing bunt in wheat, and the genetics of resistance to this and certain other wheat diseases. I. Physiologic specialization studies. II. Genetical studies. Jour. Proc. Roy. Soc. N. S. Wales 71: 362-384 and 547-590. 1938.

Connors, I. L. 17th annual report Canadian plant disease survey, 1937. Can. Dept. Agr. Sc. Serv.

Greaney, F. J. et al. Varietal resistance of wheat and oats to root rot caused by Fusarium culmorum and Helminthosporium sativum. Sci. Agr. 18: 9. May.

Hanna, W. F. Notes on Clitocybe illudens. Myc. 30: 379-384. July-Aug. and The discharge of conidia in species of Entyloma. Myc. 30: 526-536. Sept.-Oct.

Husz, Bela. Karl F. Schilberszky. Botanikai Közlemenyek 35: 1-22. 1938.

Isenbeck, K. Beobachtungen, Erfahrungen und Gedanken zur Dürre-resistenz des Weizens als Züchtungsproblem. Pflanzenbau 11: 401-426. May.

_____. Die Entwicklung des Qualitätsgedankens in der landwirtschaftlichen Pflanzenzüchtung. Kühn-Archiv 50: 275-313. 1938.

Lambert, Edmund B. Principles and problems of mushroom culture. Bot. Rev. 4: 397-426. July

Newton, Margaret. The cereal rusts in Canada. Emp. Jour. Exp. Agr. 6: 125-140. April

Rodenhiser, H. A. and K. S. Quisenberry. Bunt reaction of some varieties of hard red winter wheat. Jour. Am. Soc. Agron. 30: 484-492. June

Wallace, James M., and A. M. Murphy. Studies on the epidemiology of curly top in southern Idaho, with special reference to sugar beets and weed hosts of the vector Eutettix tenellus. U. S. Dept. Agr. Tech. Bull. 624. September

Western, J. H. (with Kathleen Sampson). Note on the supposed connexion between Mastigosporium album Riess and Dilophospora alopecuri (Fr.) Fr. Trans. Brit. Myc. Soc. 22: 168-173. August

_____. Biology of oat smuts V. A ten years' survey of six spore collections. Propagation, screening and monospore isolation experiments. Ann. Appl. Biol. 25: 490-505. August.

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Also see the October issue of Phytopathology for articles by R. C. Lorenz on maple cankers, J. G. Gibbs on Phoma, and by A. F. Verrall on Ceratostomella ulmi.

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"Potato spraying experiments in Louisiana during 1936-37", in the American Potato Journal for July, was published by Milton A. Petty, who is now working at Minnesota.

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For work done at Minnesota by OLD TIMERS, see the September Phytopathology: Vaheeduddin published on Sphacelotheca sorghi and Vaughan on Ustilago avenae. In the same category falls an article on scab resistance by the New-Old-Timer Leach, C. T. Decker, et al., in the June issue of the Journal of Agricultural Research.

SIGNS AND SYMPTOMS

Plant Pathologist makes good - - NORMAN BORLAUG appointed Assistant Wrestling Coach, U. of Minn.

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Sign of exceptionally late Fall - - Field Foreman EAGLE slightly bug-eyed with amazement because he harvested the sorghum before frost.

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Sign of Plant Path's winning psychology - - J. J. C. canvassing the new Graduate students for material for next spring's kitten ball team.

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Dr. Carl J. (North-Dakota-is-Heaven) EIDE seems much mellowed since his vacation trip to the west coast - a graceful approach to the sunset of life is much to be admired.

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Old Timer Dr. L. J. TYLER has been visiting us for the past few days - it is pleasant to be associated with Dr. Tyler in the informal atmosphere of the laboratories here, as the first encounter of your columnist with Dr. Tyler was in the more serious, dignified and formal atmosphere of the Minnesota Dinner, Indianapolis, 1937. We have learned from Dr. KAUFERT (who was there) that during most of Dr. Stakman's stay at Halle the restaurant where Dr. ECS ate didn't pay the two waiters for a couple of months due to the Chief's habit of leaving a tip after each meal. We also learned that at great expenditure of effort two of the staff at Halle serenaded the Chief's window for two hours (via portable phonograph classics) but to no avail - the Chief slept through it all! Ach, shades of Hans Wagner!

SPORTS FROM THE GOPHERS' DEN

GOPHERS OVERPOWER THE HIGHLY TOUTED UNIV. OF WASHINGTON HUSKIES TO WIN SEASON OPENER

Under a sweltering sun the Gophers, after a shaky first quarter, characterized by ragged ball handling, settled down to gain an impressive 15 to 0 victory.

The Gophers first score came in the second period when quarterback Faust kicked a field goal for three points from the 20-yard line. The score remained 3 to 0 until late in the third quarter when Bob Johnson, Gopher tackle, raced 80 yards for a touchdown after intercepting a Husky pass. The kick for the extra point was wide and the score remained 9 to 0. The second touchdown was scored following a sustained march from mid-field with Moore, Buhler, and Van Every carrying the ball. Buhler scored from the 2-yard stripe. Again the kick was wide and the game ended with the score Minn. 15, Washington 0.

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GOPHERS GAIN REVENGE OVER NEBRASKA

Smarting under the sting of last year's defeat at the hands of the Cornhuskers, the Gophers lost no time in putting over a touchdown. Moore, after several spectacular off-tackle jaunts, carried the ball over for Minn. Bell kicked the extra point. Minn. 7, Nebraska 0.

In the second period, after a long march with Buhler and Moore alternating at the ball carrying, Franck crossed the goal line. Faust kicked the point, making the score Minn. 14, Nebraska 0.

In the third quarter with Minn. on the way to her third touchdown, Dodd grabbed the ball from Buhler's hands and raced 91 yards to the only Nebraska touchdown. Minnesota's last score came when Nebraska fumbled behind her own goal line, giving Minnesota a safety--and making the final score Minn. 16, Nebraska, 7.

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GOPHERS DEFEAT PURDUE

Although the Gophers galloped to 17 first downs and had a total of 319 yards from scrimmage, they were able to cross the Boilermaker's goal line but once.

The game was scoreless until the third quarter, altho Minn. attempted two field goals in the second quarter, when the Gophers began a touchdown march from their own 20-yard marker. This march was featured by the spectacular running of Wilbur Moore, Gopher L. H., and a beautifully executed lateral pass. Christiansen, Minn. F. B., scored the touchdown on a plunge from the 5-yard marker and Faust kicked the point, making the score 7 to 0. Although Minnesota threatened the Boilermaker's goal line several times during the fourth quarter, their offense, minus the injured star L. H., Harold Van Every, was unable to cross the final stripe.

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THE BROWN JUG STAYS AT GOPHERLAND

Before a homecoming crowd of 58,000 frenzied fans, the "jug-mad" Gophers in the last six minutes of play reached out and snatched the Little Brown Jug from the clutches of "Fritz" Chrysler and his Michigan Wolverines. Michigan, playing inspired ball behind a fast charging line, displayed a hard running attack with Harmon and Purucker doing most of the ball carrying. Michigan scored near the end of the third quarter but failed to convert.

With about 8 minutes of play remaining Van Every, who had been on the sidelines since the Washington game, was sent into the game. Van Every recovered a fumble on the midfield marker. On the third play he faked a run and rifled a long pass to Bill Johnson, R. E., on the Michigan 25-yd. line. Johnson was run out of bounds on the 12-yard stripe. After two attempts at the center of the line, Van Every again dropped back and flipped a pass to Moore who crossed the goal line. Moore was injured on the play. Faust place-kicked the extra point and Homecoming was complete - - Michigan 6, Minnesota 7.

DID YOU KNOW THAT.....

Rumors are that BERNIE BIERMAN is to leave Minnesota to replace HOWARD JONES at SOUTHERN CALIFORNIA.....WILBUR MOORE, Gopher left halfback is a cinch for ALL-AMERICAN.....C. M. CHRISTENSEN is looking for a Contender for his hand-ball title.....The Tottering Tower extends its sphere of influence to the University wrestling room -- the appointment of NORMAN BORLAUG as Freshman wrestling coach was announced October 11. BORLAUG was a three year veteran on the varsity wrestling team here during his undergraduate days.

LITERATURE SEMINAR

September 1 was China night as HWANG, CHEN, and TSIANG discussed agriculture in general and the various diseases affecting the more important farm crops in China. The talks were very interesting and it is hoped that in the very near future these three men will consent to give us more information on their native country.

September 8, Henry (Hank) DARLING of Alabama, on his regular northern potato disease tour, stopped and discussed the method of seed certification now in use in the southern states.

September 15. The division was honored by the visit of Dr. Freeman Weiss of Washington. As you probably know, Dr. Weiss is one of the outstanding authorities on the diseases of flowers, especially Azalea blossoms. During his brief visit here he talked on these various diseases, and also included some of the potato diseases.

September 22. Lee HINES of the Firestone Research Division enlightened us about some of the diseases of rubber trees. He also presented us with some interesting facts concerning living conditions in Liberia. Lee will not be going back to Liberia, as he has accepted a position with the Tung Oil Investigations. Lee, you have the whole department wishing you success in your new work.

Early in October Dr's EIDE and LECLERG discussed their trips through the western parts of the United States. Dr. LeClerg claims that his trip was not a vacation, but purely a trip for the advancement of science. He toured those states in which sugar beets were grown. Dr. Eide was on vacation, on his way to the Pacific coast along the scenic Route No. 10. Deciding to see another part of the country on the way back, the Doctor took Route No. 10 and looked on the south side of the road. In the very near future Eide wants to talk on the height of forest trees on the west coast as compared to those grown in Minnesota. He declined to make any statement regarding the height of trees in NORTH DAKOTA.

Florida is now represented in the T. T. by three men: VOORHEES, BORDERS, and PRESLEY. Because of this, it was decided that maybe the state was important enough to merit a talk. Accordingly Dick Voorhees outlined the organization of experimental work in agriculture in that state, modestly alluding to his own splendid research on citrus diseases. Minnesota plant pathologists were much impressed. Anytime California has three men here we will give them a chance at rebuttal.

The annual picnic was held October 6. See report elsewhere in this issue. The press wasn't represented as far as this writer is concerned because (a) it was cold that night, (b) his health is delicate, (c) he's too old to get any good out of a "strictly" temperance picnic.

REGULAR SEMINAR

Seminar started off in full swing this fall, inasmuch as there were 11 papers from last year which were not given because there was not time last spring. This year each "student" will again be allowed to select his topic with the approval of the seminar committee. Qualified observers believe that this policy has resulted in better papers than when a person is assigned a subject which he may find less interesting.

At present the forest pathologists are having their turn at bat. AXEL ANDERSEN discussed Armillaria root rot, NORMAN BORLAUG heart rots and possible control methods, and BERNARD SHEMA has presented part of his paper on wood preservatives. These papers have been very well prepared and well presented.

Because of the nature of the subject, CLYDE CHRISTENSEN took charge of the seminar while Borlaug gave his paper. Professor Stakman took a back seat, the seat in this case being Chris' swivel chair from the office across the hall. We all envied Stak.

On October 25 two visitors, Dr. L. J. TYLER, from the Boyce Thompson Institute and Dr. FRANK KAUFERT of the House of DuPont, were present at Seminar. Each gave short talks after typical triple play introductions (you know; JJC to Moore to Kaufert. Maybe it should be called a lateral pass).

Tyler gave the history of the Institute, from the time Col. Boyce Thompson left home with 50¢ to the present. It is always interesting to hear about a person possessing money and an interest in Science.

Kaufert told of the latest marvels of science at the DuPont laboratories. It is sad to reflect that Millardet found Bordeaux mixture accidentally, while Kaufert tests hundreds of compounds and can't get anything better. There is a moral to be drawn here somewhere, but we just do not seem to be able to draw it.

Seminar continues to be stimulating, sometimes in spite of hunger and fatigue that comes about 5:30 p.m. One student was heard to remark petulantly after "contributing" to the discussion: "Doggone, I should have kept my mouth shut; now I've got myself waked up again."
