

AN UNSEALED LETTER. Aurora Sporealis hereby transmits its belated but none the less sincere wishes for a prosperous New Year to all past inhabitants of the Tottering Tower and other friends and readers. May you wax prosperous intellectually and scientifically. May your ideas increase and your experiments bear fertile fruit. May you all, whatever be your work, land, or language, contribute to science and human understanding and well being, and may the deep and lasting satisfaction of accomplishment be yours.

OLD TIMERS' COLYUM

Dear Aurora: My thanks that through more than 10 years you found the way to Budapest. You remind me not only to the broad smile of good old J. J. the great Dane, to a circle of good friends and to the ideal spirit of research, but like the glory of early dawn you keep always alive hopes that conditions may improve some day.

It is a pity that the whole world is confronted with problems of unemployment and other difficulties. The basic thing of the labile situation in Europe--the nervous centre of unrest--is injustice. Events of 1938 are the beginning of a new adjustment which will eliminate much of antagonism between neighbouring countries in Europe. A small but not unimportant part is the Hungarian question. Not without tears we received back one million racial Hungarians, that means some of the territories, which should have been never lost according to what is called justice. All we want and never we wanted else is selfdetermination. . . .

Our main difficulties derive from the lack of capital. This would be necessary, e.g. to readjust questions of agricultural land i.e. to split up large estates among small landowners, one of the problems the country has to solve in the near future. Other reforms of social character are necessary in order to avoid (if possible at all) extremism. Economical conditions are to some extent improving. . . . Income and living of the individual is still rather modest. Salaries of state employees are still cut down to about three quarters of what they should be according to law.

Concerning my work beside teaching and some extension work I am occupied with problems of fruit tree diseases and pests; e.g. fungous diseases of stone fruit trees die back of the apricot and "rosette" or "little leaf" of the apple. The latter is said to be a physiological disorder caused by unfavorable conditions of an arid (semiarid) climate and poor, alkaline soil.

Dear Aurora: Maybe I occupied too much of your space, but it was an old debt of mine. Best wishes to all, especially to those who may remember me. With the seasons greetings

Budapest, December 11, 1938

Béla Husz

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F. J. SCHNEIDERHAN asks to be remembered to the gang! C. S. HOLTON, in Washington, regrets that the meetings are "much too far away..this year." Frenchy SHARVELLE, at Geneva, N. Y., wishes everybody a Merry Christmas!

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Dr. Lee LING is busily engaged in making seed treatment demonstrations on the control of covered smut of barley and is also attempting to get resistant varieties. Because of long delay in getting New Improved Ceresan, Ling and his assistants manufactured several thousand pounds of copper carbonate. It is to be hoped that the time will soon come when demonstrations can be made without the necessity of the pathologist manufacturing the fungicide.

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C. T. WEI writes from the University of Nanking at Chengtu: "One thing that the Japanese can not defeat is the unified spirit of the awakened race, and willingness of the people and militia to fight for the peace of Asia, the world, and the safety of democracy." According to Dr. LING, WEI is married. Somebody lost a bet.

N. V. PONOMAREFF, engaged in "Arizona Tree and Garden Problem Service," at Tucson, offers "diagnosis and control of horticultural and soil problems" Nick calls it "AN ENTERPRISE." Good Luck, Nick; we are all with you.

A. F. VERRALL and T. V. SIGGERS are working hard at Southern Forest Experiment Station, New Orleans. SIGGERS is writing his thesis, and VERRALL is ready to publish some of his southern results.

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Dr. Syed VAHEEDUDDIN, Hyderabad, India, is working hard, hoping for a good lab, enjoying work, AURORA, and life!

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J. G. GIBBS, in New Zealand, sits "squatting on a box in the sun, usually in a norwester gale for which the Roaring Forties are famous, trying to catch the wheat heads"--only 1500 of them--" as they rebound after a particularly heavy gust, so that they may have half their flowers amputated..."

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Old Timer Gordon CURRAN says: "I read about your doings in the Plant Path publication and am always interested in getting news about the Old Gang. What ever happened to Helmar Ostrom?..."

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BIG ANDY (C. George) Anderson, at Brownsville, Texas, is inspecting and fumigating plants. He sits on a sawhorse in the fumigation room but has a swivel chair and microscope, with which he identifies fungi eight hours a day, and says he uses what he learned in the Tottering Tower. Fine work, Andy!

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Alan GEMMELL is "chasing the elusive eelworm" at Auchincruive, Scotland, and working on Phoma dry rot of Swedes and pink ring of lawns--the latter he promises to remedy by means of mercurials. "Please convey to all my best regards!"

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Jack WESTERN sends "kind regards to the Gang" from Aberystwyth, Wales. Western is writing a bulletin, reading Gibbs' note in Phytopath, looking forward to the next AURORA so that he "can see how the football team has done this year." AURORA enjoyed the Christmas card depicting "young England" and his pants.

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St. John P. CHILTON, at State College, Pa., waxes informative and poetic concerning his new surroundings for the benefit of AURORA:

"It has been lyrically called the "Switzerland of the United States"--these mountainous regions of Central Pennsylvania. Superbly fascinating, mountain range crowds mountain range in endless succession, each tenderly guarding its precious valley: in the spring they rear their stately panoplies of green, with the first touch of frost are gayly decked in indescribably beautiful autumn colors. Nature truly rests here upon the magnificence of her architectural achievements and exclaims - "what better can one desire than I give here." X

"In the midst of this artistic abundance of nature nestles the Pennsylvania State College. With an excellent faculty, an ambitious new building program, a constantly expanding student body now numbering some six thousand students, and a hitherto unattained but laudable ambition to "beat Pitt in a football game", successes of the future should surpass even those of the past. X

"The United States Regional Pasture Research Laboratory was established on the campus in 1936-37, consisting of a two-story brick building, a head-house, three large greenhouses, and 40 acres for experimental plots. The staff is headed by Dr. R. J. Garber and includes nine others. The research program envisions a study of the fundamental problems pertinent to the improvement of the pastures of the twelve states comprising the Northeastern region. Emphasis is to be laid on the solution, where possible, of the best methods for the development of superior strains of pasture crops rather

than the actual development of these strains....The program includes gene-
tical, cytological, biochemical, physiological, agronomic, and pathological
approaches to the problems confronted. Upwards of 50,000 individual plants
of white clover and grasses have been studied to date and selections made
of promising material."

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Page Mrs. POST : We apologize for typing personal letters; others apologize
for not typing them! Is this really a difference of opinion, or is it another mani-
festation of the acme of politeness?

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J. G. HARRAR occupies himself at Blacksburg, Va., with 18 hours of lab, 7 hours of
lecture, and 3 graduate students. Due to paucity of hours in the week, the graduate
students are being neglected, says he!

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Larry VAUGHAN, whose papa works in New Brunswick, N. J., weighed 12 pounds on Novem-
ber 14. Papa discussed Minnesota with Miss BLAISDELL in Washington some time ago,
but didn't tell us what they said.

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K. ISENBECK sends best regards from Germany.

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Professor GARCIA-RADA, Peru, rejoices he is now an Old Timer, that the world is not
so large as it seems, and that cooperation is possible, even at a distance.

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Robert J. NOBLE stated on November 8 in Australia: "I must write to AURORA soon.
Just when, however, I can not say!" Nevertheless he sends his regards, says there
are many interesting and important research projects in the Biological Branch of the
Department of Agriculture, N. S. W., has a new homestead for two small sons and Dr.
and Mrs., is doing considerable gardening but little golf. "Time marches on, but who
cares while days are filled and are for the most part interesting," says Noble. Amen!

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Kurt HUBERT, Frau Hubert and the drei Kinder wish AURORA a Happy New Year from Halle-
Saale, Germany. HUBERT says he enjoys his work very much.

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In the next issue we should like to take a trip around the World, at least on paper.
Will everybody held?

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THE BULLETIN BOARD has been very fluttery with Merry Christmas cards from faithful
Old Timers. Westward toward the Tottering Tower have sped cards from Jack Western
and John Churchward in England, from The Walters, P. D. Peterson, Dorothy Blaisdell,
The Rodenhisers, The Davies, St. John Chilton, Lyle Jackson, J. G. Leach, Mary God-
dard, Thorny, George Hafstad, and from Monica, Olaf, Phyllis and Joan Aamodt. North-
ward came greetings from Ukkelberg and his new "Mrs.," from Forbes and Big "Andy"
Anderson. Even the West did not forget to remember, for we heard from The Stanley P.
Swensons and Kay, and from the Canadian Triple Threat, The Tyners, Mildred and Bill
Cormack, and W. J. Cherewick and Family. Chet Wisner said Aloha Kakou with Santa
on a Surf Board; while the Gibbeses, from "down under," wished AURORA Haeremai, Kaiora,
and Cheerio! From India, B. B. Mundkur has wished us well, and Syed Vaheeduddin
expressed the Christmas feeling of all of us:

"Christmas links the chain of friendship
Closer as the years go by
And we think of old-time comrades
No matter how the years may fly
So today I give you greeting
For the sake of days of yore..."

So AURORA thanks you all, and wishes each and every one Gesundheit, Prosperity, and
life-long Education!

THE ROLL CALL AT RICHMOND

Tottering Tower sent forth thirteen delegates to the American Association Meetings at Richmond. Who said 13 is an unlucky number? **Big Chief** and J. J. CHRIS. left early (Dec. 25) to prepare the way for the putsch. Paths followed by various members were devious but all roads seemed to lead to Richmond and everyone arrived in due time at the Jefferson Hotel. KING*, HANSON, LOEGERING, GRAHAM, VALLEGA, EIDE, and LECLERG went by special train, leaving St. Paul Monday morning and arriving in Richmond Tuesday afternoon. LECLERG engineered the expedition, got a special rate, and in spite of a couple of hot boxes, which made it necessary for the boys to go directly through to Richmond instead of napping in Pittsburg as originally planned, they arrived on time. LASKARIS* and PRESLEY pinned their hopes and faith on "Scroog ALLISON*" and his puddle jumper. They left Tottering Tower Sunday morning, Dec. 18, and arrived in Richmond Tuesday of the next week after having spent several days in Washington. Milton PETTY was the long-winded traveller. He left Saturday afternoon, Dec. 17, and arrived in Richmond Tuesday the 27th via Louisiana. It is rumored that he used the well known thumb to good advantage.

Many Old Timers came from near and far, some with wives and one with an F1. Fifteen states and the District of Columbia were represented by these delegates: (Dist. Col. --BARKER, BLAISDELL*, STEVENSON*; (Md.)--BRIERLEY*, JERLE, WEISS*; (Va.)--HARRAR*, LEFEBVRE*, RODENHISER; (N. Y.)--DECKER and wife, HANSING, NEWHALL*, SHARVELLE, TYLER; (N. J.) VAUGHAN, WALTER* AND wife; (Del.)--KAUFERT; (W. Va.)--LEACH*; (Penn.)--BEACH, CHILTON; (Maine)--BONDE*, FOLSOI*; (Ky.)--JOHNSON, VALLEAU; (Ohio)--ALLISON; (Ill.)--CASSELL*, THORNBERRY; (Mich.)--KENNIGHT*; (N. D.)--ANDERSON* and wife; (Ala.) DARLING*; (La.) FORBES*, HINES, PETERSON. A total of 37 old timers, including three wives but excluding Walter's F1 who also was present. The Minnesota delegation was therefore: 37 Old Timers, 13 New Timers, and one F1, or a grand total of 51.

On Wednesday night the Phytopath Banquet was held. There was a question in the minds of some as to whether the two bucks had been well invested, then came the "March of Slime", a three act play. After that there was no doubt in anyone's mind about two bucks being well spent. The Minnesota Aurora Sporealis Gasoons gave "The nature and importance of physiologic specialization (On with the Wind): an erudite sophistry on the fundamental concept of the biological form vs. race--or vice versa....Yakob Eriksson. Was it a wow, was it a scream was it colossal??? Don't ask us. We are modest. Most of the Minnesota boys missed their dessert but "the show must go on". The Maryland-D. C. gang, ably assisted by Old Timer Dorothy Blaisdell, also gave a "presentable" skit (we liked it). The Cornellians showed unusual originality with a film on the crystalization of vira animated by violent virologists. X

By far the outstanding feature, the momentous occasion of the entire Meetings, was the Minnesota Banquet, arranged by the very able Lew ALLISON and "Rudy" CHILTON. 'Twas truly a lucullan feast of delicious fried chicken, Southern style, with all the trimmings and wish bones enough for everyone. If you don't believe we ate a lot of chicken, you should have tried to find a "fryer" around Richmond next morning. At the feast were 34 genuine Minnesotans and 7 near-Minnesotans (including two wives, Coons, a Edgerton, a Garber, a Whitehead, and a Carlson). As soon as Chris had finished eating chicken, Chilton, the master of ceremonies, called upon certain celebrities for speeches. After E. C. S. finished talking, the remainder of the group was asked to stand, one at a time, introduce himself, tell where he was from, and whether attached or unattached at present. This proved a little embarrassing to some but the true Minnesota spirit prevailed throughout. Need more be said?

Richmond is a city of some 185,000 persons, with 33 per cent of the population black. There are many fine hotels, but they are rather well scattered over town, especially

/* The stars gave papers before packed houses.

for one who is afoot and trying to take in everything. We must admit, however, that to the Richmonders this was not just another convention. Each and every one did his best to show us what true Southern hospitality is in the deep South. At the hotel pretty young girls distributed luscious Virginia-grown apples, and they were free to Sight-seeing tours were planned for the delegates, and one could choose his escort, either male or female for the trip. There are an unusual number of interesting places in and around Richmond and to have these described to you by a charming southern Miss in her own way is really a treat.

After the Meetings, the return trek to Tottering Tower was started. Some stopped in Washington and visited the Agricultural Department, Arlington Farm, Beltsville, and other points. The Allison, Laskaris, and Presley contingent stopped over in State College, Pennsylvania, long enough to see the Forage Lab. and to have a fine steak dinner with Chilton. All returned happy, content, refreshed, and secure in the feeling that the Meetings had been not only a pleasure but an inspiration as well.

PERSONAL AND PERSONNEL

At the end of fall quarter the department was in such a flurry that T. T. was tottering in high. Perhaps excitement was due in part to preparation of a skit, which was presented as part of the entertainment at the Phytopathologists dinner, in Richmond, Va. We heard it was a big hit, anyway the audience laughed (especially at the wrong time or at the wrong things),--or at least made noises (maybe those were boos).

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Part of the pre-Xmas confusion can also be attributed to the last minute rush of BORDERS and LASKARIS, who managed to get their Masters theses in on time and had two minutes to spare. Anyway they donned the M. S. regalia at the fall commencement, so congratulations to both.

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Now we come to the beginning of the winter quarter, at which time we find several former Tottering Towerites conspicuous by their absence:

BILL(HAPPY) HARLAN decided to postpone his potato disease investigations at University Farm, and has accepted a teaching position in Afghanistan. Thanks for the cigars and candy Bill, they were enjoyed by all. X

HUEY (GRANNYAPPY) BORDERS, after obtaining his M. S. degree, decided to share his knowledge with some of the southern cotton and tobacco growers. Thus, he is now extension pathologist in Georgia, with headquarters at the Coastal Plains Experiment Station, Tifton, Ga.

AXEL ANDERSEN, formerly of the Northwest Forestry Co. (ANDERSEN AND BORLAUG) and a neophyte in forest pathology, has recently accepted a fellowship in plant pathology at Michigan State.

Last but not least, Dr. E. L. LECLERG is now in charge of the U.S.D.A. potato breeding investigations in Louisiana, with headquarters at Baton Rouge.

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KERMIT KREITLOW, who is now pursuing graduate studies at Louisiana State, paid us a visit while home (Mpls.) for the Xmas holidays.

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Guess what! Our own little ANDY DOWNIE just up and got himself married, and now we have no more little ANDY because now it is Mister DOWNIE. Mrs. DOWNIE (formerly MISS RUTH KARSTEN of Waseca) is teaching, while MR. DOWNIE lingers on at T. T.

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Matrimony in the Barberry Office--Mr. "SPIKE" STEWARD and MISS EDNA BRUEGGEMAN : recently had a confidential talk, and concluded that united we stand but divided we fall (especially since the streets and sidewalks have been so slippery lately), so they recently had the knot tied.

"FOR THE WELL-BEING OF SOCIETY"

Members of the T. T. have been getting around to quite a few meetings lately and have been spouting forth on many subjects.

"Big Chief" STAKMAN did most of the introducing at the Flax Institute in Minneapolis Nov. 4, 1938. His introductions included J. J. CHRISTENSEN who spoke on "The Problem of Flax Diseases Is Not Solved" (believe it or not), O. S. AAMODT (O.T.) who discussed "Flax Problems in Wisconsin", and J. VALLEGA who is concerned with flax problems of the Argentine. Old Timers Stakman and Christensen were elected members of the Committee of Scientific Advisors for Coordination Research of the Flax Institute.

The Minnesota Florist's Society has had several inhabitants of T.T. speak at their meetings. Dr. L. DOSDALL gave a demonstration of "Diseases of Greenhouse Plants" on Dec. 16. Previously R. K. WORHEES talked on "Some Diseases of Ornamentals in the South" and I. W. TERVET discussed "Diseases of Ornamentals in Scotland".

A. G. TOLAAS was in our neighboring state Dec. 15 and 16 for the Iowa Vegetable Growers Association Convention. At one meeting he reviewed the certified seed potato supply for 1939.

Recently we have learned that the man who gets the work done around the department, namely A. E. EAGLE, has found time to take over the job of Den Dad for Den 4, Pack 9 of the Boy Scouts in S. E. Minneapolis.

R. C. ROSE has been attending meetings and conferences too numerous to mention, including the Northwest States Extension Pathologist's meeting (at which R. J. Haskell was the chief speaker).

We hear much muttering and mumbling from the dark corners of the building as department members prepare talks for Farm and Home Week, Jan. 16-20.

BOOKSHELF

CONTRIBUTIONS include W. C. Broadfoot, Snow-mould of turf in Alberta, Jour. Bd. Greenkeeping Res. 5: 182-183; I. L. Conners (with others), Bacterial wilt and rot of potatoes--some observations for its detection, verification, and control, Amer. Potato Jour. 15: 312-318, November; L. A. Schaal (with others), The inheritance of scab resistance in certain crosses and selfed lines of potatoes, Phytopath. 28: 878-890, December; A. F. Thiel, The overwintering of urediniospores of Puccinia graminis tritici in North Carolina, Jour. Elisha Mitchell Sc. Soc. 54: 247-255, December; S. J. Wellensiek, on tea, in Archief Theecultuur 12: 1-70, 107-126, 127-140, and on frequency distributions in Landbouw 14: 409-414. LOCAL PRODUCTIONS include J. G. Churchward, Studies on physiologic specialization of the organisms causing bunt in wheat, and the genetics of resistance to this and certain other wheat diseases, Pt. I Physiologic specialization studies. Pt. II. Genetical studies, Jour. and Proc. Roy. Soc. N.S.W. 71: 362-384, 547-590; C. S. Wang, The formation of chlamydospores of Ustilago crameri Kuhn, on artificial media, Phytopath. 28: 860-861, November.

SEMINARS (BOTH CLASSY AND LITERARY)

CONTRIBUTIONS TO KNOWLEDGE*****Ian Tervet discussed fungus diseases of insects, starting where J. J. C., Helen Hart, and Olaf Aamodt left off 16 years ago. Ian thought they did a good job of it and there was no need to repeat.

In case you're thinking of buying a few, you can get butt-treated telephone poles in St. Paul, for \$20.70 apiece by the carload. So sez Bernard Shema, who told us all about wood treatment and had to look up prices to quote next time.

According to Joe Culbertson (Agron.) Eutettix tenellus should be called Novellina tenella. A crafty bunch of Entomologists (or maybe only one) changed its name in 1932, but it still raises hell with sugar beets, sez Joe, except when you raise the government disease-resistant kinds.

Burning with the white light of truth and 1 hour and 13 minutes late in starting, Earle Hanson revealed startling facts to the seminar in approximately the following sequence: (a) Spent 17 minutes telling where to put the missing letters in the mimeographed paper (b) Promised not to cover the paper as mimeographed (c) Passed around specimens. (d) Yielded floor to J.J.C. who gave a long speech to prove that black point is caused by Helminth as well as Alternaria, as suggested by the speaker (e) Said Chris is right because he (Earle) saw his (Chris') work. (f) Read quotations to prove that root and foot rots are important, implying that rusts and smuts are not the only diseases in cereals. Summary: Root and foot rots are important in all parts of the world. Also in the U. S.

WORD FROM THE WEST*****On Nov. 22, the seminar was privileged to listen to Dr. G. W. Fisher, Ph. D. Mich., now practically an office mate of O. T. Chucky Holton at Washington State College, Pullman. Dr. Fisher allowed he had lost two malted milks on the Michigan and Wisconsin games, the first to Chucky and the second to Minor O. T. Dave Smith, also now at Pullman. He then described the department at Pullman briefly and presented a very interesting account of his work on smuts of grasses. The subject excited the curiosity of the group who besieged him with questions, got answers to all of them. In fact he gave out so much good pathological information that we expected him to charge tuition. He didn't.

SPECIAL SEMINAR*****Dr. Royal Haskell of Washington, D. C. appeared at the Tottering Tower laden with information as usual and also with a box of colored lantern slides (made by himself) and a new projector. A special sermon was called Nov. 30 to see the pictures and hear the Dr. Of interest to pathologists were: (a) A sample of rye that netted a Minnesota farmer (so help me St. Anthony) \$200 an acre for the ergot it contained. We'll bet there is a farmer who loves the U.S.D.A. They told him what to do with it. (b). Clyde Allison standing on a mountain--his wife and F1 with him. (c) Dorney Valleu's hands behind a sick clover plant--the strong, capable hands of a true plant physician. (d) Two pictures of pretty girls, which Haskell, as a good extension man, says he runs in at intervals to wake up the audience. Two unbiased observers swear they saw some of the famous Washington cherries in the picture.

EDUCATION IN NORTH CAROLINA*****Returning from a trip in the East, Dr. E. C. Stakman addressed the group concerning the University of North Carolina and Duke University. The two are twelve miles apart. U. of N. C. tries to let everyone have a fling at athletics; Duke puts the boys and girls on different campuses, separated by a mile of woods, which encourages walking if not athletics.

GIANTS IN THE EARTH*****Minnesota's Scandinavians (the best people on earth) are independent, but even they welcome the help of R. C. Rose, extension pathologist, potato farmer, and an Old Timer who can remember when St. Anthony Park was a woods and Stak was a graduate student. Rose came to tell us about his work, was introduced by the Big Chief, who reminisced a little, but not too much. Rose's talk taught us much about what farmers want to know about plant diseases and how to tell it to them. They like and understand demonstration plots, which Rose gives them in large gobs, with striking success.

SCHIZOPHRENIACS*****Stak got going on athletics one evening (he does every so often) and allowed as how the newer psychology teaches that participation in athletics helps to prevent schizophrenia. For several days some of the nonathletes watched themselves carefully for signs of a split in their personalities (after looking up the word in the dictionary). With all due respect to Dr. Stakman the writer still maintains that the best thing to do when the urge to exercise comes on you, is to lie down until the feeling passes away.

It may be just a coincidence that, at recent seminars, the boys who furnished the food have been well quizzed regarding their athletic accomplishments. X

John Presley modestly admitted he was good at almost every sport; owned up he had never skied, but had a date to do so as soon as there was snow. The boy knows how to make good use of what he doesn't know about athletics.

Vaughn of Colorado passed with a high score, said he wasn't a good rasser, but had won a medal shooting with a .45 (Why should he know how to rasser?).

Tommy Graham maintained he was a good football player and once ran 45 yards for a touchdown, but archery has football beat now.

MINOR CONTRIBUTIONS TO WISDOM*****STAK brought a box of cigars in payment of a bet on Nebraska in football. Lew ALLISON claims a chinook is the opposite of what Stak thinks it is. Dr. DOSDALL learns in the literature that mushrooms can be grown on straw without horses. DOWNIE says the Dionne quintuplets are monozygotic and their middle fingers are all the same, which after all is important, as a middle finger is something that can't be altogether ignored.

SPORTS

To those of you in far off lands, though the 1938 football season is long since past it might be of interest to know that though the Golden Gophers were defeated twice, 6-3 by Northwestern and 19-0 by Notre Dame, they nevertheless emerged with the Big Ten Conference pigskin championship.

BASKETBALL*****The 1938-39 Basketball team, coached by Dave MacMillan, appears ready to continue their winning streak where it was terminated by the end of the 1937-38 season, in which they placed second in the Western Conference.

The team composed of the veterans; Addington and Kundla, a pair of flashy forwards; Gordon Spear, a lanky sharp shooting center; and Paul Maki in the back court supplemented by Johnny Dick, a reserve guard from last year's team should prove to be one of the best teams of recent years.

In the early games against warm-up arrivals the first-team displayed a splendid floor game coupled with accurate shooting to outscore their opponents by wide margins. These games apparently solved the question of dependable substitutes, for MacMillan has uncovered two sophomores Mohr and Warhol, either of whom can be injected into the game without considerably reducing the quality of team play.

The Gophers opened the season Dec. 3, against South Dakota State by downing the Jack-rabbits 46-36. The following Monday they downed the sister Jack-rabbit sharpshooters from South Dakota U. by the score of 50 to 26. In the third game of the season, against a good Carleton team, the Gophers displayed a grand type of basketball as they won 47 to 22. Against Creighton U., their fourth opponent, although they played a ragged ball, they won handily.

Christmas vacation found the team on a long trip which took them first to Lincoln, Nebr., where they defeated Nebraska U. 66 to 37. From Nebraska they travelled to Madison Square Garden, New York City, where they defeated New York University 37 to 32. They then journeyed to Philadelphia where they downed a classy Temple University team, 38-35.

OVERHEARD AT RICHMOND

Elevator girl: "There certainly is a lot of these Science folks here."

Lady in Elevator: "They are a queer lot, aren't they?"

Elevator girl: "They sho' is, but we needs the business so bad that we just don't mind."

A scientist's wife attending the meetings for the first time remarked, "This is certainly a pleasant surprise. I came down here expecting to see a bunch of queer looking men, but instead I find the most presentable group of men that I have ever seen. Hold your hats fellows!"

Cassell feels like writing a blazing letter whenever Aurora reaches his desk. Ooo--oh!