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Correspondence - S - 3. 1950-1960

Thwaites, F. T. (Fredrik Turville), 1883-1961

[s.l.]: [s.n.], 1950-1960

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*Duplicate
copy only*

F. W. Sardeson,
3942 Marine View Drive,
Seattle 6, Washington (permanently)
January 27, 1948

Prof Richard Foster Flint,
New Haven, Conn.

My dear Prof.,-

What about the boulder-strewn area west of Mo. river, 40 miles north of Fort Pierre, S.D. ? I have seen it:

What Chicago did for "Research" at the University of Wisconsin, see The Reader's Digest, February 1948, pp. 42-45, "Combination in Restraint of Health": But, what is being done by them to you ? What T.C. Chamberlin tried to do to me is an old story. He was a very dishonest person but very shrewd. What Prof Hobbs is trying to do now seems to me very silly:

Science is based upon honesty, sincerity and integrity first and knowledge is only a product. I might indict you now before the court of Censorship, if there was one in America now. Meanwhile why should the Federal Government support a Geological survey ?

Particularly, I was with Frank Leverett as co-partner in Glacial Geology for seven seasons of field work. Leverett had reduced Chamberlins Eleven glacial stages to Five. I induced Leverett by sheer force of evidence to reduce the Five to Four. He did it preferably to letting me do it and I agreed. (Furor arose in Iowa:). I then later asked Leverett to reduce the Four to Three, since the claim that there are two "gray" tillsheets older than the Illinoian (red) till is based upon a single exposure (at Fort Madison, Ia) which has a chance of ten to one of being an error, as such phenomena proved to be overthrusts of a single Till in Minnesota. But, for some reason, he refused to consider the matter.

Those "overthrusts" are outside the limits of the second till, but in the Wisconsin tillsheets, in Minnesota. *under*

In Iowa, there are two "gray" drifts and Stages represented east of the area of the Des Moines Lobe of the Wisconsin and that is the type area or "locality" where the name Iowan was applied to the upper one, and the name Kansan by inference to the lower one. Alden and Beighton lied when they said that there is a third, Nebraskan, there.

West of the Des Moines lobe there is a thin till above the Iowan (the "Kansan" of yours) and that was called "Iowan till" provisionally even by Leverett, but later is included in the Wisconsin stage. Its area narrows out across S.W. Minnesota. It is not Early Wisconsin as of Wisconsin as Leverett claimed to me later, but either Mid Wisconsin or the "Gray drift" western equivalent of the "Red" Patrician till of Late Wisconsin.

Of the Late Wisconsin stage, the Patrician "Red" glacier was retreating as the Des Moines lobe was forming of the "Gray" or Manitoba glacier and the Labradorian Superior lobe developed, as you may recall. Neither the Iowan proper nor the "Iowan" so-called is Early Wisconsin; Somebody is fooling you ? The "Iowan" stinks.

In Minneapolis, Prof. Hobbs called me by phone once but refused to meet me personally and lately he has written and sent me a lot of brazen nonsense. Geology does not amount to much anyway and what Prof. Hobbs may write is wholly negligible to me, but dishonesty and incompetence in science as a whole is a national calamity, just now. It invites attention of The Readers Digest: It is cutting off legal and private support of "Research". Hence this letter.

Yours truly,

THE UNIVERSITY OF KANSAS
DEPARTMENT OF GEOLOGY
LAWRENCE

Mar. 17, 1950

Prof. F. T. Thwaites,
41 Roby Rd.,
Madison, Wis.

Dear Professor Thwaites:

Thanks for sending your exercises on aerial photos. You must give the students quite a good workout on these problems. I am particularly interested in your treatment of tilt. I haven't been giving much on that topic, but after cogitating your material may decide to add more.

Incidentally, I am now revising my book on aerial photos. Any suggestions for improving it would be welcomed.

Have been reading parts of your geomorphology notes with considerable care. You are to be congratulated on carrying the quantitative approach so far. I hope that you work it up for more formal publication. I've been giving my class a fair amount along that line, and expect to add more each semester as I learn more about it myself and get a better perspective on it.

Cordially yours,

H.T.U.

H. T. U. Smith

1625 Capital Avenue
Madison 5, Wisconsin
June 21, 1950

Dear Amy -

One of the compensations of an illness (and I think it is about the only one) is the thoughtfulness of others, and it was most thoughtful of you and Emma to remember me with such lovely handkerchiefs.

Both of them are beautiful, and I want to thank you.

Sincerely,
Virginia S

SEARS, ROEBUCK AND CO.

CHICAGO

177
V
S

Shop at Sears and Save

Mr F T Thwaites
41 N Roby Rd
Madison 5, Wis

Dec 30
G28
R948250

Dear Mr Thwaites

We are in receipt of the two pairs of slippers 67N5706 at \$4.78 which you returned for exchange inasmuch as they were not the size ordered.

These slippers were size 9, Mr Thwaites, as ordered but unfortunately a small nine. We would be glad to exchange them for you, but unfortunately our stock has all been sold, and we do not know when a new shipment will arrive.

Under the circumstances our only alternative is to refund the full amount you paid for the returned slippers plus postage.

Yours truly

REFUND \$5.14 R

SEARS, ROEBUCK AND CO.



SEASON'S GREETINGS

Dec. 27, 1949

Gears, Roebuck and Co.,
825 S. Wabash Ave.,
Chicago 7, Illinois

Gentlemen:

I am returning herewith two pairs of
bedroom slippers 6783706 for exchange. These
were to be size 9 and appear to be so marked but
on trying them we found they must have been mixed
at some time and are really size 6. Please change
them for the real size 9, or a size equivalent
to such if they run small.

Very truly yours,

December 16, 1949

Dear Mrs. Schmitt:

I want to write and tell you how much I appreciated your son's calling me last Saturday and Sunday. I understood him to say he was staying on West Corham Street. When I read in the paper about the trouble in Iowa, I looked up the name of the fraternity in the telephone book, and found it is located in the Weyes home in the neighborhood where I spent most of my life. My old home is across the street in the next block west and my father and sister still live there. My sister moved in with her family when my mother passed away in 1934. My grandfather and great uncle built the house in 1863 and it has always been occupied by the same family, - quite a record for a transient town like Madison.

Your son certainly has an interesting job for a young person just out of college. He told me that he had pictures of all the campuses he has visited.

Tom is now attending the university and finds his bike very useful in getting him to and from the campus and from class to class. Cars driven by students are not allowed on the hill. He uses the car frequently on his dates. We still have the old 1940 Buick and find that it probably gives less trouble than the new cars with so many automatic devices.

Sincerely,

INLAND STEEL COMPANY

ISHPEMING, MICHIGAN

May 17, 1950

Mr. Robert Schmidt, Graduate Student
Department of Geology
Science Hall
University of Wisconsin
Madison 6, Wisconsin

Dear Mr. Schmidt:

This is to confirm my remarks made on a recent visit in Madison to discuss the proposition of engaging you for the summer months to undertake a study of the Baraboo iron district.

The Inland Steel Company is interested in making a complete study of all of the pertinent data available for the purpose of determining whether or not that district contains attractive prospective areas in which active exploration for direct shipping iron ores or for low grade ores amenable to economic beneficiation might be justified.

Through discussions with several faculty members in the geology department, I learned that an investigation of this type could be done by a graduate student for thesis credit, and that I would have the assurance of complete cooperation between the student and the faculty. It is understood, further, that our technical men will be given the opportunity of examining the results of the work as it progresses, of suggesting methods of approach etc., and of examining the final draft of the thesis before publication.

You have been recommended as a careful and ambitious worker who could be depended upon to produce an intelligent and comprehensive report consistent with our requirements. Since you have expressed a desire to attack this problem according to the terms of our proposal, and since my principals have formally approved the program, it is my pleasure to inform you that you will be hired to do the job. As compensation for your time, and to defray your expenses we will pay you at the rate of \$250 per month during the period of investigation. I understand that you will be available shortly before the 15th of June.

The work required will consist largely of research into material filed at the University, an accumulation of data available in the files of the state survey under Dr. Bean, and unreported information available from farmers and well drillers. Faculty members and Dr. Bean will be of invaluable service in locating the data for you and suggesting methods of treatment.

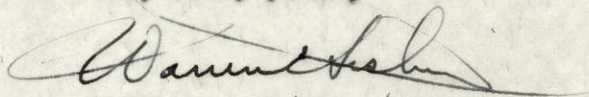
Our specific requirements are that the problem be attacked and pursued from a "practical" standpoint. We expect that as a result of the study, you will be able to provide the following:

- (1) A topographic map of the district (taken from published topo sheets).
- (2) An areal geologic map showing outcrops and locations of drill holes, test pits, etc.
- (3) An isopachous map showing thickness of overburden.
- (4) A structural contour map taken on the top of the Baraboo quartzite.
- (5) A map showing the thickness and (where possible) the grade of the iron bearing member and indicating where the largest concentrations of ore are likely to occur.
- (6) A report explaining the methods used in acquiring and working up of the data, and your conclusions including the reasoning which led to the conclusions. In this report it is desirable that some statement be made relative to the types of overburden to be expected and the ground water hydrology.

Should there be any question as to our requirements, I should be glad to answer them.

For the most part, we are depending upon you and your advisors to set up your program so that it can be completed within the allotted time. Although I anticipate a minimum of supervision from this office, I expect to contact you or your advisors at irregular intervals throughout the summer.

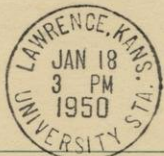
Very truly yours,



Warren E. Fisher
Geologist

WEF/nb

cc - Dr. S. A. Tyler
Dr. F. T. Thwaites ✓
Mr. R. D. Satterley



THIS SIDE OF CARD IS FOR ADDRESS

Prof. F. T. Thwaites
41 Roby Road.
Madison S,
Wis.

UNIVERSITY OF KANSAS
Department of Geology
Lawrence

I wish to acknowledge with thanks receipt of the following:

Geomorphology notes. Have just glanced over it so far, and see that it will require some time to assimilate. I believe it will provide some excellent material for my course. Congratulations on getting away from the traditional approach!

Cordially yours,

H. R. Smith

F. W. Gardison,
3942 Marine View Drive
Seattle 66, Wash.
March 19, 1957.

Dr. F. J. Thwaites,
Madison, Wis.

Dear Dr Thwaites,-

I came to see your name and location in the List of the Dept., reminding me of Glacial Geology. What little I have seen here of the Drift is all very new, - calcareous to the grass-roots. Of course the highest mountains, like Mt Ranier have some glaciers yet.

I have lived here now four winters. It can snow, frost or freeze anytime from October 1 to April 1, but mostly it rains and ground is not frozen. Rainfall (and snow) meanwhile amounts to 30 inches, or more, of water, which would make 25 feet of snow, if it fell as such and remained. It does so on the Cascades. The fall on Mt Ranier (14,408 ft.) is said to be 600 inches (50 ft.) a year, as compared to 40" at Seattle, sea level.

On a clear day, I have watched from here, the snow drifting up the westerly side of Ranier mountain and over the top to the easterly side, where a glacier lies in a cove. I can imagine how direction of winds over Continental glaciation centers could cause them to shift position (east to west) in succession (Glacial stages) and how certainly glacial lobes were drawn out or pushed up grade.

Since I no longer publish "contributions", I tried to raise discussions privately, but everybody seems to be as Flint (enclosure). I got no replies. Etc.?

How are you?

Yours Truly,

F. W. Gardison

NSTA NEWS BULLETIN

VOLUME I
NUMBER 2

January, 1951

NATIONAL SCIENCE TEACHERS ASSOCIATION
1201 Sixteenth Street, N. W., Washington 6, D. C.

Prepared and published by the headquarters staff

A NATIONAL EMERGENCY...

has just been declared as we are writing this. Any implications of special nature for the teachers of science remain to be disclosed. Close cooperation with the Civilian Defense Administration would seem to be one possibility. Officers of NSTA will be alert to find opportunities and responsibilities for our association to play its proper role.

####

MEANWHILE...

efforts to promote international cooperation through science continue. The U. S. "point four" program is under way and UNESCO's technical assistance program is being developed, to name only two examples. And in this connection, we would like to know whether you are interested in an opportunity to serve abroad. We have on our desk right now job descriptions of at least a dozen such openings, of which several are in the field of science education. Let us have your name and we will keep you informed as fast as information reaches us.

####

SPECIALLY NEWSWORTHY...

it seems to us, is the Lincoln, Nebraska, plan for selecting personnel to attend professional meetings and conferences. \$5000 has been made available to help cover expenses of delegates. A Professional Development Committee draws up a list of approved conferences. Teachers interested to attend place their names in the hopper and the PDC "draws" for delegates and alternates. An individual may thus attend a meeting or con-

vention at Board of Education expense once in three years.

####

THAT SCIENCE TOUR...

suggested for next summer is still pending. However, the prospects are dim. Announcement thru The Science Teacher and the NEA Journal brought about twenty replies - not enough to begin laying firm plans. We will wait until February 1 to make the final decision.

####

COOPERATION...

in the development of sponsored teaching materials for use in science has involved several NSTA members in recent months. Critical reviews of manuscripts, outlines, and printer's proofs, and evaluation and consultation conferences have been the principal forms of service given.

Participating in an evaluation conference for Education Research, Inc. of Washington were MARJORIE CAMPBELL, elementary science supervisor, D. C. schools; HUBERT DAVIS, science and visual aids supervisor, Norfolk County Virginia; and MILLARD HARMON, sixth-grade teacher, Newton, Mass.

JEAN MACGREGOR gave assistance in the development of Wood Experiments for High School Students by the Timber Engineering Company. Miss Mac Gregor teaches chemistry in D. C. schools.

Manuscript copy for another in the series of booklets being produced by T. A. Edison Foundation was read by J. B. Davis, physics teacher, Lower Merion

Township (Pa.) high school; STANLEY J. WEISS, coordinator in general science, New York City; and FLETCHER WATSON, professor of science and education at Harvard University.

Participants in a consultation conference arranged through Education Research, Inc. for the American Trucking Association included MARJORIE CAMPBELL and MILLARD HARMON, together with JOHN ROTH, supervisor of student science teaching at Millersville (Pa.) State Teachers College; DOROTHEA M. WEIN, elementary helping teacher, Middlesex County (N. J.); and PAUL BLACKWOOD, assistant specialist for elementary science, U. S. Office of Education.

Reviewed by editors of The Science Teacher and by MORRIS MEISTER, chairman of the NSTA Advisory Council, newest booklet produced by Union Carbide and Carbon Co. is expected to be made available through NSTA distribution.

MEETINGS CONTINUE...

to come and go. In the offing are NSTA meetings scheduled for Atlantic City (Business-Industry Section), Feb. 20; for Toledo, Ohio, April 5-7; and for Oakland, Cal., June 28-July 2.

The Toledo meeting will be a "pilot run" by NEA of proposal for frequent regional conferences cutting across departmental lines. Science, mathematics, social studies, business, and still other fields will join in this Ohio-Indiana-Michigan conference.

Among state associations of science teachers, one of the largest and most effective in program planning is the New York state group. Their 54th annual meeting will be at Syracuse, Jan. 25-27. Official publication of this organization is The Science Teachers Bulletin, issued twice a year and well worth any science teacher's 75 ¢ a yr. Each issue now carries a cardboard insert giving full description of eight demonstration ideas and teaching techniques. The insert can be cut into 3 x 5 cards for easy filing. Congratulations to president PAUL HIRNI and a

bunch of live-wire associates for the overall good job they're doing in N.Y. Inquiries about the bulletin should be sent to GRAYDEN E. MONROE, Lafayette H. S., Buffalo.

Spring convocation of the Eastern Conference on the Education of Teachers in Science will be held at Glassboro (N. J.) State Teachers College. Instructors and administrators representing 40 teacher-education institutions in nine states will assemble on the South Jersey campus from March 29-31. Conference coordinator will be GEORGE W. HAUPT, professor of science at GSTC.

Reorganization of AAAS Cooperative Committee on Teaching of Science and Mathematics recently saw election of MORRIS MEISTER (Principal, High School of Science, NYC) as chairman. Retiring chairman is K. LARK-HOROVITZ of Purdue University. NSTA president RALPH W. LEFLER has been secretary of the committee for more than three years.

Five to eight meetings each year is "regular fare" for the New Jersey Science Teachers Association. For a schedule of events and for ideas for your association, write to the president, ABRAHAM WECKSTEIN, Barringer, H. S., Newark 4.

HIGH BATTING AVERAGES...

for NSTA membership have been achieved by Wilkes-Barre schools (with 17 of 22 science teachers enrolled), Cleveland Junior High School of Newark, N. J. (with 100 per cent enrollment), and Northeast High School of Philadelphia (with individual memberships for all 12 members of the science department). Let's hear of the record for your school or system; we'll use it to try to inspire others.

Student memberships continue coming to us in gratifying numbers. But this year we have a tough problem in that many changes of address have not been reported to us. Consequently, much mail has been returned - and this is very costly to the association. Send-

41 North Roby Road,
Madison 5, Wisconsin.
March 26, 1951.

National Science Teachers Association,
1201 Sixteenth Street, N. W.,
Washington 6, D. C.

Gentlemen:

At the suggestion of Mr. Henry Koehler of the
West High Science Department I am inclosing several
pictures for your cover-photo search.

Yours very truly,

William M. Thwaites

41 North Roby Road,
Madison 5, Wisconsin.
April 13, 1951.

Mr. R. H. Carleton, Executive Secretary,
National Science Teachers Association,
1201 Sixteenth Street, N.W.,
Washington 6, D. C.

Dear Mr. Carleton:

I am inclosing a picture of a boa constrictor
which was not ready at the time I sent the others on
March 26.

Yours very truly,

William M. Thwaites

NATIONAL SCIENCE TEACHERS ASSOCIATION

1201 SIXTEENTH STREET N.W., WASHINGTON 6, D.C.

AN AFFILIATE OF THE
AMERICAN ASSOCIATION FOR THE
ADVANCEMENT OF SCIENCE

April 11, 1951

A DEPARTMENT OF THE
NATIONAL EDUCATION ASSOCIATION
OF THE UNITED STATES

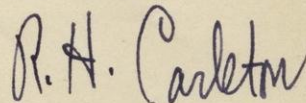
ROBERT H. CARLETON
Executive Secretary

Mr. William M. Thwaites
41 North Roby Road
Madison 5, Wisconsin

Dear Mr. Thwaites:

Thanks for your letter of March 26 and for the pictures you sent for possible cover use with THE SCIENCE TEACHER. We are placing these in our file for possible future use. You understand, of course, that much of the decision on a cover photograph depends on the kind of content being emphasized in any particular issue. We are glad to have these for possible use and hope that you will keep us in mind for any additional photographs you may have in the future.

Sincerely yours,



Robert H. Carleton
Executive Secretary

RHC:cvw

41 North Roby Road,
Madison 5, Wisconsin.
June 11, 1951.

Mr. Robert H. Carlston, Executive Secretary,
National Science Teachers Association,
1301 Sixteenth Street, N.W.,
Washington, D. C.

Dear Sir:

About one year ago a snake arrived at a local grocery store in a crate of bananas. The surprised grocer kept his head and called Professor Arthur D. Hasler who in turn sent one of his students after it. Sylvia Hasler, a student at West High and the daughter of Professor Hasler, has kept in close touch with the progress of the snake and wrote a report about it for Mr. Westenberg, her teacher at West. At his suggestion she brought it to her class and also to the biology classes which are taught by Mr. Glenn Koehler. Alan Press, a friend of Sylvia, knew the snake when it came to the biology class and held it.

When the snake first arrived, its age was estimated at 1 1/3 years and it was about 2 feet in length. At that time it ate a mouse about once in three weeks; later a small rat; and now it eats a good sized rat and has nearly doubled in length. Day by day with careful handling he has become more docile. Shortly after his arrival here he bit a student who was caring for him, but as boa constrictors are not poisonous, the bite did not prove serious. When nervous, he tends to contract, but this pressure is gentle compared to what he has the power to exert. Although he eats only live animals, they do not know what strikes them because of the amazing speed with which he can spring on and crush them. The powerful digestive juices digest everything but a small portion of the fur.

As the story of the snake is rather involved, I seem unable to condense it into 100 words as you requested.

Yours very truly,

WHP-M

William H. Thwaites

~~This~~ About one year ago a snake arrived at a local grocery store in a crate of bananas. The surprised grocer kept his head and called Professor Arthur D. Hasler who in turn sent one of his students after it. Sylvia Hasler, a student at West High and the daughter of Professor Hasler, has kept in close touch with the ~~snake~~ progress of the snake and wrote a report about it. for Mr. Westenberg, her teacher at West. At his suggestion she brought it to her class and also to the biology classes which are taught by Mr. Glenn Koehler. Alan Preas, a friend of Sylvia, knew the snake when it came to class and held it.

When the snake first arrived, its age was estimated at 1 1/2 years and it was about 2 feet in length. At that time it ate a mouse ~~live~~ about once in three weeks; later a small rat; and now it eats a good sized rat, and has nearly doubled in length. Day by day with careful handling he has become more docile. ~~When he~~ shortly after his arrival here he bit the student who was caring ~~from~~ for him, but as boa constrictors are not poisonous, the bite did not prove serious. When nervous, he tends to contract, but this pressure is gentle compared to what he has the power to exert. Although he eats only live animals, they do not know what strikes them because of the amazing speed with which he ~~crushes them~~. can spring on and crush them. The powerful digestive juices digest everything but a small portion of the fur.

As the story of the snake is rather involved, I seem unable to condense it into 100 words ~~you~~ as you requested.

May 10, 1951

Mr. William Thwaites,
41 North Roby Road,

The last picture you sent us of the student and the snake seems to have real possibility as a cover photograph. The questions: (1) could you give us a darker and sharper print? (2) could you give us a 100-word story to go with the picture telling us how this boa constrictor came in on a bunch of bananas; what size he was; how you have kept him; what you fed him, etc?

Sincerely yours

Robert H. Carleton
Executive Secretary

National Science Teachers Association

1201 Sixteenth Street, N.W., Washington 6 D.C.

This Is Mr. Richard Butler, the chemistry teacher at West High School Madison, Wisconsin, demonstrating the use of the Kipp generator to one of his classes.

This is Marion Elliott dissecting a frog in biology class at West High School, Madison, Wisconsin. We spend over two weeks studying the frog. Most of the students are not bothered by cutting up a frog and Marion is no exception.

This is a Boa Constrictor brought from Central America on a bunch of bananas. He has been kept in captivity for the past year and has become very docile. He was brought to the biology classes at West High School, Madison, Wisconsin, during our study of reptiles. Most of the students soon learned to appreciate dangerous snakes for their real dangers and ~~not~~ to lose the blind fear which many have of all snakes.

ing a copy of The Science Teacher to a wrong address, getting it back again, and sending it to a new address costs about ten cents. The same for a copy of a Packet costs at least 50 cents. All members should bear these facts in mind and send us notifications of address changes promptly. Also bear in mind that up to four weeks may be required to change our records and have a new addressograph plate made since our work is done along with all other NEA Records Division work, a job that involves handling about a million such plates a year.

Your cooperation along lines mentioned above will assure continuous receipt of journal, packets, and other membership materials and will contribute to minimizing unnecessary expense.

####

SCIENCE TEACHERS IN THE NEWS...

include
ROBERT WILSON of Ashtabula (Ohio) West Junior High School, who received a three-column story with picture in home-town newspaper telling of models, visual aids, and other equipment and reference materials used in his classes. Good public relations we call it.

GORDON DUNNING who made the papers by learning to fly and obtaining his private pilot's license in only twelve days. Dunning began World War II service as a paratrooper, but was injured on his third jump - then spent 51 mos. in infantry; got his Ed. D. from Syracuse U. in 1948; has been teaching at Indiana (Pa.) State Teachers College last two years.

BLANCHE BOBBITT, elected secretary of Pacific Southwest Association of Chemistry Teachers for 1950-51. Specially interested in Unesco, Mrs. Bobbitt has been chairman of NSTA International Relations Committee 2 years.

ROBERT B. GORDON who served last summer as professor of botany at Ohio State U.'s Franz Theodore Stone Institute of Hydrobiology at Put-In-Bay, O. His regular job - head of science department and director of science teacher training at West Chester (Pa.) TC.

DON DECKER and HELEN MacCRACKEN hit the educational news columns recently with new filmstrip "The Science Classroom." In full color, the filmstrip deals with designing, equipping, and building an elementary science classroom and conducting stimulating teaching. Produced by Popular Science Publishing Co., 353 4th Ave., NYC 10; the price is \$6.00.

VELMA WILSON, Texas Southmost College, who headed committee to arrange a two-day workshop on the Brownsville campus for Science Section of the Texas State Teachers Association. Purposes were: to discuss practical solutions to current instructional problems in science; to demonstrate techniques and experiments applicable to science classes now in progress. Certificates of in-service participation were issued to all persons attending.

HERMAN SCHNEIDER, widely known author of elementary science books, who has been appointed science supervisor in elementary schools of NYC. Before assignment to this post, Mr. Schneider taught at DeWitt Clinton and Stuyvesant high schools and has served as science co-ordinator for two of city's school districts.

H. EMMETT BROWN who is spending the current year in Burma as a science education specialist under the Fulbright exchange program. His experience with teacher-education programs will be utilized in educational reconstruction program in Burma. Now professor of science at Buffalo State Teachers College, Dr. Brown was formerly at Lincoln School of Columbia U.'s TC.

####

ELSEWHERE ACROSS THE OCEANS...

several
enthusiastic NSTA'ers are telling others of our association's work. LUCY FYTA in Greece, JAN KONING in Holland, ROY STANHOPE in Australia, and E. R. EYBERS in South Africa are earnest in their endeavors to extend the use of NSTA materials in their lands. These and other members of NSTA in foreign lands would be delighted to engage in correspondence with American science

teachers. If you are interested, drop us a post card and we'll send you the addresses of those you would like to contact.

###

HOT OFF THE PRESS...

and a "must" for every science teacher concerned with problems of conservation and utilization of our resources: A Water Policy for the American People. This is volume 1 in a series of three reports of the President's Water Resources Policy Commission. Running to 445 pages and with many maps in full color, in addition to graphs, charts, and beautiful halftone illustrations, the report is a "gold mine" of information and ideas for use in science. Order from Supt. of Documents; price, \$3.25.

###

TWO NEW PUBLICATIONS...

produced cooperatively by NSTA and the National Commission on Safety Education are expected from the press early in 1951. A booklet on the Safe Use of Electrical Equipment will offer information and instructional suggestions suitable for use with general science and physics classes. It will sell for 50 cents a

copy. A unit on "fire safety" now in development will include a two-color poster, instructional suggestions for teachers, and a pupil's study sheet. Designed for upper elementary and junior high school levels, it is expected that copies will be made available to NSTA members free of charge.

###

PUBLICATION OF MEMBERSHIP DIRECTORY...

has been delayed because of large number of membership renewals still pending. With membership year ending last October 31, there were over 3000 members who had not renewed for 1950-51. However, the situation has greatly improved the past month or so, and the NSTA membership directory is expected to go to press by February 1.

###

ANNOUNCING...

a cover-photo search to be sponsored by The Science Teacher. NSTA members and their students are invited to submit 8 x 10 glossy prints of pictures they believe are suitable for use as cover illustrations. Full explanation or description should accompany each photograph. The editors will serve as judges. Prizes will be awarded for all pictures used.

Here...is your list of U. S. Government publications for this issue. Sorry, but space limitations prevent annotation. Order from Supt. of Documents, Government Printing Office, Washington 25; send remittance with order.

C 13.4;496	Standard Time Throughout the World.....0.10
I I.2:R 31	National Resources and Foreign Aid.....0.60
I 19.16:160	Geologic History of the Yosemite Valley.....3.25
Y3.T25:2F73/2	Food at the Grass Roots.....0.30
129.6Y3/10	Plants of Yellowstone National Park.....0.50
A 1.75:8	Conservation Irrigation.....0.10
S 1.2:En 2/950	Energy Resources of the World.....0.75
81-2:S.doc. 197	Present Status of Color Television.....0.20
FS 2.32:1/4	VD Folder I.....0.05
Al.38:626	Insect Enemies of Flowers and Shurbs.....0.35
FS 2.7/a:2851	Control of Trichinosis.....0.05

May 25, 1951

Prof. H. T. U. Smith,
49 Cedar Road,
Belmont, Massachusetts

Dear Prof. Smith:

I am afraid that your letter has been in my file too long for a reply to reach you. But I have been tied up with field trips, 49 in Mapping for a week, 47 in glacial geology for several day trips, and so on. This is not to mention building a new fence around the yard, a task not yet finished.

The original 1946 edition of the "Outline" contained a number of errors in typing and drafting which have been corrected in the 1948 and 1950 editions. New Material has also been substituted for old. The price remains the same, \$2.75 a single copy, postpaid.

I hope to finish up the report on north-eastern Wisconsin this summer leaving me free for geomorphology. We also hope to go out west as soon as school is over. Just now things are pretty hectic and I will not be sorry when the last grades are in.

With best regards,

Sincerely yours,

May 20 , 1951

Mrs. Winnifred Smith
Winghaven,
R. 1.,
Two Rivers, Wisconsin

Dear Mrs. Smith:

Thank you for your telegram. I would have been pleased to stop in Two Rivers to see the reporter, but with a party of 50, it was just impossible. I promised to get them home by 6:00 p.m. and in order to make the Forest Bed and then get to Point Beach for lunch, we simply had to omit all stops. On the way back we paused for gas, but I could not get time to make any phone calls for fear the crowd might scatter and prove as hard to get together again as it was to get them all started from Madison at 5:00 p.m. I may possibly get up later with Dr. Bertrand. We hope to finish our report this season.

Sincerely yours,

F.T. Thwaites

719 North Milwaukee Street

41 North Roby Road,
Madison 5, Wisconsin.
April 12, 1951.

Dr. Scholl's Foot Comfort Shop,
225 East Wisconsin Avenue,
Milwaukee, Wisconsin.

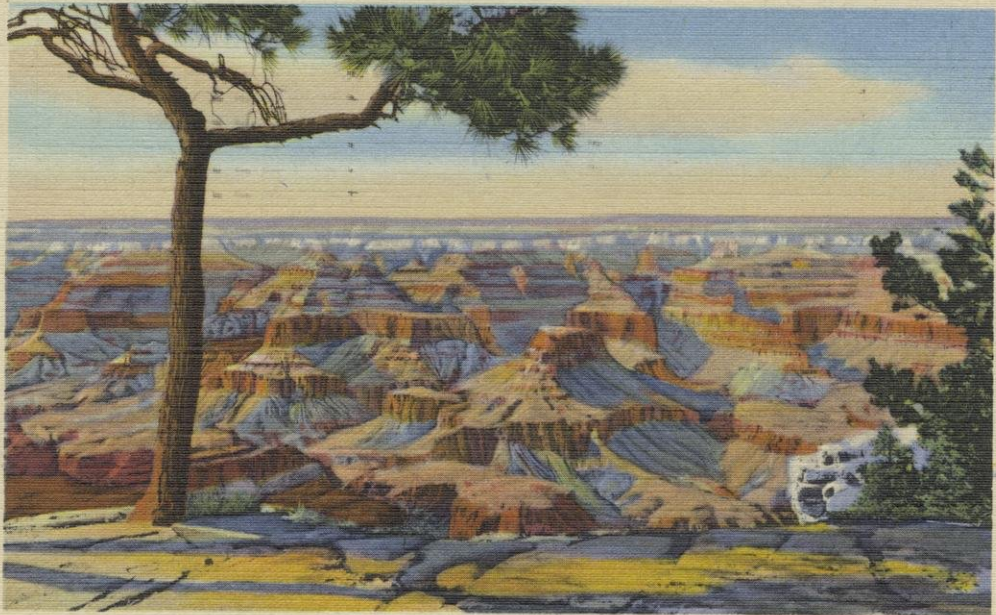
Gentlemen:

Please send me a pair of Dr. Scholl's Wri-
Spring Arch supports. I believe they should be
size women's 8 wide.

As I do not know the present price, please
send a bill and I shall remit promptly.

yours very truly,

Mrs. F. T. Thwaites



H-4192 A VIEW FROM YAVAPAI FOOTPATH, GRAND CANYON NATIONAL PARK, ARIZONA

HOTELS - SHOPS

W. Fred Harvey

RESTAURANTS

POST CARD



The footpath from El Tovar Hotel to Yavapai Point affords many unusual views of the almost limitless expanses and vast depths of the Grand Canyon.

We are enjoying our trip. The scenery is wonderful.

I hope you and family are well.

Best regards
Sabina & Sus

Schmidt

Mrs F. J. Thwaites,
41 Roby Road,
Madison 5,
Wis.

MESSAGE

7A-H679

ADDRESS



MINNEAPOLIS, ST. PAUL & SAULT STE. MARIE
RAILROAD COMPANY
OFFICE OF CHIEF ENGINEER
MINNEAPOLIS 2, MINNESOTA, BOX 1109

T. Z. KRUMM
Chief Engineer

August 24, 1950

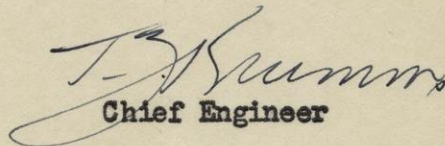
Mr. F. T. Thwaites
Department of Geology, Science Hall
University of Wisconsin
Madison 6, Wisconsin

Dear Sir:

Mr. A. B. Nilsson, Secretary of the Department of Geology of the University of Wisconsin, requested that we furnish you with figures showing elevation along the Soo Line from Gladstone to Eben Junction, Michigan.

We are sending you under separate cover two (2) profile prints of our line for this territory but wish to call to your attention that elevations are base of rail, Soo Line datum, and to convert to U.S. Sea Level datum, a constant of 9.0' should be added to the elevations shown on the profile.

Yours very truly,


Chief Engineer

Thank you for the profiles which are just what we needed for the work on the geology of this region

August 28, 1950

Mr. T. Z. Krumm, Chief Engineer
Minneapolis, St. Paul & Sault Ste. Marie R.R. Co.
Minneapolis 2, Minnesota

Dear Mr. Krumm:

Thank you for the profiles which are just what we needed
for the work on the geology of this region.

Sincerely yours,

F. T. Thwaites

FTT:ac

T. Z. Krumm, 17
500 Line

Minneapolis, Minn.
Elevations along line Gladstone, Mich.
to Eben Tct. Mich. which are needed
for research work by one of my students

August 18, 1950

Mr. T. Z. Krumm, Chief Engineer
Soo Line
Minneapolis, Minnesota

Dear Sir:

Mr. F. T. Thwaites of this department is in need of the figures showing elevation along the line from Gladstone, Michigan, to Eben Junction, Michigan. This information is needed for some research work being done by one of Mr. Thwaites' students. Would you be good enough to send the elevations between these points to Mr. Thwaites directly at Science Hall, Madison 6, Wis.?

Sincerely,

Secretary

Maplewood N.J.
July 1st, 1950.

Dear Mrs Shwaiter,

I am really ashamed not having written to you before now and thanking you for your thoughtfulness in sending me the newspaper clipping of the plane accident. It was awful to think the young Field Secretary of the Fraternity was killed. Gus felt real badly too having been so closely associated with him and having stayed with him on his first trip last fall.

Gus has given up the position with the Fraternity for there was no future, it also kept him away from home nine months out of the year. It was a wonderful experience for him, he has traveled in every State except two those are North and South

Dakota. He is going to get married
in October.

Esus Sr and I are planning
another Western trip, to "Grand
Canyon, Bryce, Zion, we may go
to "Salt Lake City".

Is Tom still interested in
photography?

Hope you, and your
family are well.

With kindest regards
to you, and family from
both of us.

Sincerely
Sabrina Schmidt.

Sept. 27, 1950

Sears Roebuck and Co.,
925 S. Roman Ave.,
Chicago 7, Illinois

Gentlemen:

The attached skillet arrived broken because
of improper packing. Please adjust this. Delay in
returning was due to not having the enclosed papers.

Very truly yours,

Sept. 11, 1950

Sears Roebuck and Co.,
925 S. Homan Ave.,
Chicago 7, Illinois

Gentlemen:

I am returning attached the 8" skillet
to exchange for one of 10 1/2".

Price of 8"	\$1.05	
" " 10 1/2"	1.27	11E2620
Difference	6.22	
Postage	.23	
otal	.45	
New order	1.38	
Enclosed	\$1.72	

Very truly yours,

154.00
 27.11
 181.11

550.
 27.11

14.72
 12.39
 27.11

~~25.00~~
~~12.61~~
~~12.39~~

14.72
 12.39
 27.11
 158
 28
 225
 12.61

5.50
 3.00
 19.61

41 North Roby Road,
Madison 5, Wisconsin
October 15, 1950.

Dear Mrs. Schmidt:

I trust that Gustave, Jr., is probably married by this time and I wish him a lot of happiness.

Didn't you just love the North Rim? We were very lucky in 1926. At that time the North Rim was just being opened up to tourist travel. When we reached the V-T ranch with a Northwestern Railroad tour, we were informed that there would not be room for us there and after supper we would have to go on to the North Rim where there would be room for us. Can you imagine anything more lovely than driving through the Kaibab by moonlight and seeing the deer all along our path and arriving at the North Rim and getting our first glimpse of the canyon in the same dim light and imagining all that lay between us and El Tovar 11 miles away on the south side of the canyon? We arose early in the morning and saw the canyon by the early morning sun - a sight never to be forgotten. The man in charge of the camp was a Mr. McKee, the son-in-law of Wylie of the Wylie camps in Yellowstone. At first he was very curt with us because we had maps but in the end he was very nice to us. When we were leaving for Bryce, we were afraid we would be disappointed, but he told us that he always considered the Grand Canyon a huge mural and Bryce a cameo. When we were at Bryce, we arose early and went down into the canyon along a very slippery path, but the sights - a regular fairyland - were worth the effort.

This summer we came near going down to Salt Lake but did not because we did not feel we had the time to do the trip justice. Did you get up to Strawberry Valley - the source of water for Ogden and a very interesting one geologically?

Fred just finished the Tri-State trip with an attendance of over 200 and 58 cars - quite a large assemblage to manage.

Write when you have time and I hope to be able to show you some of the sights in Wisconsin some time.

Sincerely,

THE UNIVERSITY OF KANSAS
DEPARTMENT OF GEOLOGY
LAWRENCE

Mar. 18, 1952

Prof. F. T. Thwaites,
4 Poloy Rd.,
Madison, Wis.

Dear Prof. Thwaites:

I am inclosing a check for \$2.25,
for the latest editions of your books
on Glacial Geology. Would
appreciated receiving also any new
material which you have worked
up for your geomorphology class
since you sent me a set of your
class notes early in 1949.

Cordially yours,
H. R. Swinick

Dear Prof. Swinick:

Enclosed please find what material
I have for geomorphology. The book
was mailed earlier

Best regards,

Sincerely yours

March 26, 1952

Prof. H. T. U. Smith
University of Kansas
Dept. of Geology
Lawrence, Kansas

Dear Prof. Smith:

Enclosed please find what material I have for geomorphology. The book was mailed earlier. Best regards.

Sincerely yours,

F. T. Thwaites

Stovinsky

June 1, 1952

Dear Carol:

Enclosed are some complimentary copies of the Devil Lake group photo for Margaret and you. You will note from the financial statement that we did better than the year before. In this the warmer weather was a factor, of course.

We found a possible way for you to get out west. It seems that nurses in Chicago often go in a group and drive out a new car. One has to put up a deposit of \$50.00 which is refunded on delivery of the car at destination. If interested, please contact us and we will find out more about it.

Elroy is going to some eastern school next year. They are expecting a new arrival in July. Just whom I can get to help next year is a problem.

There is the usual rush of delayed maps etc. now Rhoda lost her sleeping bag on the trip back. Thinks it was left on the front porch but the last man there did not see it.

with best regards,

sincerely yours,

November 13, 1951

Dr. C. B. Schultz
State Museum
Lincoln, Nebraska

Dear Dr. Schultz:

Enclosed please find description of the
glacial wood reported by the former Mineral Land
Survey. The place on the Brunswailer River, 400
paces S. and 375 paces west of center of sec. 1,
(NE $\frac{1}{4}$ SW $\frac{1}{4}$) T. 45 N., E. 4W. Marengo quadrangle,
just off Highway 13.

Sincerely yours

F. T. Thwaites

Concord Road
Bedford R.F.D.
Massachusetts
16 January 1952

Professor F. T. Thwaites
41 Roby Road
Madison 5, Wisconsin

Dear Professor Thwaites,

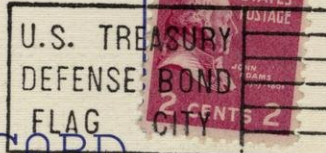
Sometimes I believe in mental telepathy!
At any rate, last evening I found a copy of the syllabus
on geomorphology waiting in the mail, sent via Murray.
I am delighted to have it and hasten to write an eager
thank you before poking into it further. I hope, how-
ever, that you will receive some questions before long.

Sincerely,

Charles E. Stearns
Charles E. Stearns



The State Capitol is one of the best constructed, most substantial, commodious and beautiful capitols in the United States. Work on foundation was started in 1860. The cornerstone was laid in 1861 and the building was completed in 1874. Cost about \$3,000,000.



Dear Friends -
All is well with the
Dimpson's - Nicely
settled in a lovely
apartment - Haven't
made a few friends
also been invited
out - so have not been
lonesome -
Feel as we are going
to like it here -
Wish your father would
come out -

Regards

The Dimpson's

POST CARD

Mr & Mrs F. J. Thwaiter
41 Roby Road
Madison
Wis

123—Scene at Thunder Hole, Bar Harbor, Acadia National Park,
Mt. Desert Island, Maine



8/19th/51.

We have just returned from Quebec are now seeing the sights around here.

Hope you and family are well.
Best regards
Sabina & Gustave
Schmidt.



POST CARD

Mrs. F. J. Thwaites,
41 N. Roby Road,
Madison 5,
Wis

GENUINE CURTEICH-CHICAGO "C. T. ART-COLOR-TONE" POST CARD (REG. U.S. PAT. OFF.)

Concord Road
Bedford R.F.D.
Massachusetts
10 January 52

Professor F. T. Thwaites
41 Roby Road
Madison 5, Wisconsin

Dear Professor Thwaites,

During the Christmas holidays, Raymond Murray (a former student at Tufts, now with you in Wisconsin) called to say hello. We are fond of Ray, and we were indeed pleased to hear his enthusiastic reports of Wisconsin ... and, too, that he seems to be doing well there, while enjoying it. I gathered that no small part of his enthusiasm came from his contact with you.

He had with him a copy of the mimeographed syllabus you have given to students in geomorphology, and I had a chance to glance through it very briefly. Hence this perhaps impertinent letter, for it is an impressive compendium of information. It undoubtedly accompanies an original and stimulating course, and I was happy that Ray could have that course. I also wished that I might chew on some of the material more leisurely ... doubly so, for, as you may know, I am supposed to start teaching geomorphology next month at Harvard, and I am searching for ideas and organization still. Would it be possible for you to send me a copy of the syllabus and an appropriate bill? I should greatly appreciate the favor, and it would undoubtedly help me to do a better job ~~along~~ toward similar goals at Harvard.

Sincerely,

Charles E. Stearns
Charles E. Stearns

December 18, 1951

Dear Mrs. Schmidt:

A week from today Christmas, 1951, will be over; it just seems impossible that it is so near.

Tom and Bill are both in the R.O.T.C. at Wisconsin and Bob is in West High.

Last June Tom started to work at the Highway Lab and Bill drove us out to the coast at Newport. The afternoon we arrived was clear and the boys took some very good pictures of the surf. The next morning our drive along the coast proceeded through a very dense fog that rolled in from the sea. We liked Newport very much, perhaps more so because we had such a comfortable cabin to stay in. The boys took a walk while I was cooking supper and found holly growing; it was certainly much more beautiful than what we see here during the holidays. At Portland we took the express road adjacent to the river because we had gone on the so-called scenic route when we went on a tour in 1940. We found the new route much more interesting though we did miss a shrine which appeals very much to the Catholics.

As soon as Bill was 18, he started to work in the Highway office down town and finally got a job at the lab in August.

Sincerely,

EMPLOYERS MUTUAL LIABILITY INSURANCE COMPANY OF WISCONSIN
EMPLOYERS MUTUAL FIRE INSURANCE COMPANY
HOME OFFICE: WAUSAU, WISCONSIN



H. J. HAGGE PRESIDENT

M. F. T. Thwaites
Department of Geology
University of Wisconsin
Madison 6, Wisconsin

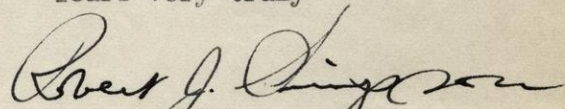
September 18, 1951

Dear Mr. Thwaites:

Thank you for your detailed directions to the buried forest on the shore of Lake Michigan.

If I can get away from fall chores around the house for a week end, I intend to go down there and have a look at this interesting place. If not, perhaps I may be able to go down next May. I haven't done much of this sort of thing since school days, but I've always had at least an arm chair interest in it.

Yours very truly


Personnel Department

RJSimpson 51

Oct. 2, 1951

Dr. B. T. Sandefur, Chairman,
Public Relations Committee,
Michigan State College,
East Lansing, Michigan

Dear Dr. Sandefur:

In reply to yours of Sept. 28 I am enclosing copy of a semi-popular article on the Two Creeks Forest Bed which is the most interesting feature of the area that Dr. Bertrand and I have been studying. I wrote this for the use of Mrs. Winifred Smith who owns a part of the deposit. However, she did not use it and I have brought it up to date with some alterations. It is probably much too long but you know what you want and can cut it down. Or if it does not suit you I can possibly find time to write another version.

Very truly yours,

MICHIGAN STATE COLLEGE
EAST LANSING

DEPARTMENT OF GEOLOGY AND
GEOGRAPHY

September 28, 1951

Dr. F. T. Thwaites
41 North Roby Rd.
Madison 5, Wisconsin

Dear Dr. Thwaites:

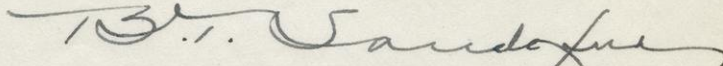
It has been our pleasure to read with interest the abstract of your paper which you plan to present to the 64th annual meeting of the GSA to be held in Detroit, Michigan, November 8, 9, and 10.

The Public Relations Committee feels that your paper contains material which should make a good public interest story. The layman knows very little of the time element between glacial sheets - soil formation, and so forth.

Would you favor GSA with a short non-technical abstract of your paper, written in down-to-earth language for the layman in order that the committee may use it to reconstruct a story for the press?

We realize this would require a little of your time but your effort will be greatly appreciated. Would you please give this your prompt attention.

Very truly yours,


B. T. Sandefur, Chairman
Public Relations Committee

BTS:gs

September 14, 1951

Mr. R. J. Simpson
Personnel Department
Employers Mutual Liability Insurance Co.
Wausau, Wisconsin

Dear Mr. Simpson:

In reply to yours of September 12 the buried forest is not near Sheboygan but north of Manitowoc. To reach it, follow State Highway 42, either north or south, about 10 miles north of Two Rivers. You will then find a small village named Two Creeks. There is a speed zone and other signs so you should not miss it. At that point turn toward Lake Michigan and proceed something over a mile to a small ball park at a road junction. Park there and go to the lake shore. You can either follow a lane directly to the shore or go a short distance south to the residence of Mrs. Winifred Smith, who owns a portion of the forest. You can walk down to the shore through her yard if she is at home. The best exposures are just north of and for about a quarter of a mile south of the mouth of a small creek which reaches the lake on the south line of Mrs. Smith's property. Exposures should be excellent now because of the high level of the lake. Do not be misled by old tanbark dumps and logs near the end of the lane near the ruins of the old dock. The peat and trees are buried under at least 10 feet of red till. I expect to take my class in glacial geology to visit the forest early in May. Possibly you might want to wait until then, but the date has not yet been set and cannot be for some months.

Sincerely yours,

F. T. Thwaites

FTT:b

EMPLOYERS MUTUAL LIABILITY INSURANCE COMPANY OF WISCONSIN
EMPLOYERS MUTUAL FIRE INSURANCE COMPANY
HOME OFFICE: WAUSAU, WISCONSIN



H. J. HAGGE PRESIDENT

Mr. F. T. Thwaites
Department of Geology
University of Wisconsin
Madison, Wisconsin

September 12, 1951

Dear Mr. Thwaites:

Recently I read an article in Natural History Magazine by Richard Foster Flint, of Yale University. It told about the exposure of a buried spruce forest on the shore of Lake Michigan, near Sheboygan.

When I wrote him and asked where this might be seen, he suggested that I write to you for directions to the exact location of this cliff.

Some time when I am over in that area, I would like to have a look at the place.

Yours very truly

Robert J. Simpson
Personnel Department

RJSimpson 40

Feb. 3, 1953

Mr. Gerald Seligman,
Little Lane, Biddenden,
Ashford, Kent, England

Dear sir:

I wish to thank you for the copy of the November number of the Journal of Glaciology with the review of my book, Outline of Glacial Geology. I waited until I finished a summary of some of the papers in this number for the use of my class in Geomorphology. In that we are concentrating on processes rather than on the landforms although both are considered.

In regard to the review I might say that at the time the last edition was written, 1945, much less was known about glacial flow than now. I did have considerable of an argument with Demarest just before he left for Greenland. In that I opposed the idea of extrusion flow and treated glacial flow as the failure of a solid. However, after 5 semesters teaching physics to naval students during the war I gave in on this and followed Demarest in the text. If I get out a revision some of these statements will have to be revised although I do not want to go far in this phase. Few of my students read foreign languages and few are interested in anything but field problems. Streiff-Gecker's name was left out because of the fact that almost all his papers are in German. Before the war I used to sell the outline at Myrby's but have had no orders since.

Thanking you again, I am,

Sincerely yours,

E.

From the Editor THE JOURNAL OF GLACIOLOGY

Please reply to:—

LITTLE DANE,
BIDDENDEN,
ASHFORD, KENT.
TELEPHONE: BIDDENDEN 214.

BRITISH GLACIOLOGICAL SOCIETY,
~~c/o ROYAL GEOGRAPHICAL SOCIETY,~~
~~KENSINGTON GORE,~~
~~LONDON, S.W.7~~
c/o SCOTT POLAR RESEARCH INSTITUTE,
LENSFIELD ROAD,
CAMBRIDGE.

23rd February, 1953.

Professor F. T. Thwaites,
41 North Roby Road,
Madison 5, Wis., U.S.A.

Dear Professor Thwaites,

Thank you very much for your letter of the 3rd
February, with enclosures.

What you say in regard to the book which we
reviewed is very interesting, and I am wondering whether you
would like to send me a letter suitable for our correspondence
columns, explaining your re-actions, and your sceptism of
extrusion flow. ^x I should be very pleased to publish this.

May I also ask you please to let me know in what
publication the mimeographed pages on the Flow of Ice
appeared. They are marked "Geology 109". I should like to
list these in our official references.

Believe me,

Yours very sincerely,

J. Selwyn

x if that is your view

March 15, 1953

Dr. G. Seligman,
Little Dane,
Biddenden,
Ashford, Kent

Dear Dr. Seligman:

I wish to thank you for your letter of 23 February
February.

The mimeographed material consisted of notes which I prepared for my students of geomorphology last semester and for this reason cannot very well be listed as anything more than "personal communications". I hope to be able to work up this material for publication in a text book but since next year will be my last in teaching this is uncertain.

In regard to a discussion on extrusion flow I do not think that this could well be included in any reply to the review of the "Outline of Glacial Geology" which was in fact much more favorable than most of those prepared for Murby when they sold the book. I unearthed from my files a folder labeled "Dumarest" which contained a review of his first paper on glacial flow with diagrams in pencil and his replies up to June, 1942 when he left on the fatal trip to Greenland. The file closes with a newspaper account of his death there. All through this material I find that I kept coming back to the problem of stationary ice above moving ice. Dumarest's comparison with putty under a board I rightly objected to because of the greater tensile strength of wood than of ice. Some of my drawings are very much like those by Nye although I analyzed the forces in a different way.

I gave in to his views in 1946 because of my experience in physics.

I felt that in my former criticisms I had relied too much on comparison with the mechanics of rock deformation. After I had taught physics for 5 semesters this seemed the logical thing to do. However, in rereading the papers I still find that the adequacy of "obstructed flow" near the margin of a continental glacier to keep the rigid top from moving outward seems most doubtful. In one version of my 1942 discussion I suggested that if crevasses are present near the center of a continental ice cap they might be kept concealed under the snows of the area of accumulation. I think this was not included in the copy which was sent to Demarest. On the whole I do not feel that it would be right to publish this 11 year old material without considerable revision including more study of the second paper by Demarest which appeared about the time he left. In any case my opinions are purely theoretical and are not based on any experimental studies. Such being the case I feel that my final conclusion in the mimeographed notes should stand: namely that extrusion flow is a working hypothesis but has the above mentioned serious objection. I do not think that any of the deep bore holes thus far reported on is a fair test. In ice which passes through a deep basin maximum velocity must be near the bottom as shown by Matthes and in one of my diagrams. I find that I also objected to the idea of U velocity at the bottom of the ice.

If any of the above is or suggests that some of my views are worthy of publication please let me know. ~~It is just one field expression after another from now until there is something like that would have to wait.~~

Sincerely yours,

Jan. 21, 1953

Prof. Arthur N. Strahler,
Dept. of Geology,
Columbia University,
New York 27, New York

Dear Prof. Strahler:

Thank you for the reprints of "Davis' concepts of slope development in the light of recent quantitative investigation", "Dynamic basis of geomorphology", and "Hypsometric (area-altitude) analysis of erosional topography". I recently reviewed two of these for a class in Geomorphology but will not trouble you with the mimeographed discussion. I am enclosing a recent short paper of mine. Progress is begun on the report on the Pleistocene of the Near Peninsula.

With best regards,

Sincerely yours,

WESTERN UNION
THE WRITTEN RECORD
NEVER FORGETS

6033

WESTERN UNION

1201

SYMBOLS	
DL	= Day Letter
NL	= Night Letter
LT	= Int'l Letter Telegram
VLT	= Int'l Victory Ltr.

TELEGRAPH *and be sure*

W. P. MARSHALL, PRESIDENT

Day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

M B433

M. TRAO60 NL PD=TWO RIVERS WIS 17= 1951 MAY 17 PM 7 34

DR F T THWAITES DEPARTMENT OF GEOLOGY=

UNIVERSITY OF WISCONSIN=MADISON WIS=

TWO RIVERS REPORTER WOULD LIKE INTERVIEW AND POSSIBLE
PICTURES OF YOUR GROUP WHEN YOU VISIT THR FOREST BED. STOP
AT 1615 WASHINGTON TWO RIVERS OR PHONE 2-5962 WHEN YOU
ARRIVE IN TWO RIVERS. YOU ARE WELCOME TO GO DOWN THROUGH
MY YARD AS USUAL EVEN THOUGH I WILL NOT BE ON HAND =

WINNIFRED SMITH=.

NO. 2730 TO also
BY J AT 10:00 TO BE med

April 9, 1954

Mrs. W. Glenn Sathers
National Parliamentarian
11111 South Hoyne Avenue
Chicago 43, Illinois

Dear Mrs. Sathers:

I am inclosing a check for \$1.25 for which
please send me a copy of the following:

PRIMER IN PARLIAMENTARY PROCEDURE

Yours very truly,

Mrs. F. T. Thwaites

208 W. Dean Ave.
Madison 4, Wis.
March 30, 1954

Prof. F. T. Thwaites
41 Roby Road
Madison 5, Wisconsin

Dear Professor Thwaites:

I am taking the liberty of sending this book, *The Flood*, which I hope you will find time to read and which might be interesting to you.

I have tried to persuade my son, Charles, to read it but without success.

I am sure you are a very busy man, but I would very much appreciate a word from you, no detail, just your overall impression.

Very sincerely yours,

Bernina Stone

Mrs. H. L. Stone

3 May, 1954

Mrs. H. L. Stone,
208 W. Dean Ave.,
Madison 4, Wisconsin

Dear Mrs. Stone:

I have mailed your book on the Flood under separate cover and am very grateful for the opportunity to examine it. I will not attempt a detailed evaluation of it or any argument either for or against it. However, I wish to explain two methods of approach to problems met by humans.

One is to accept at face value statements heard or read because they were endorsed by persons whom one respects. Children are often asked by their parents to do things the reason for which is not explained. This attitude is that of faith.

The other is to approach problems by the route of reasoning, experiment, and comparison with results of others who work along the same line. As children grow older, they begin to ask "why" when directed to do something. Geology, the explanation of the earth, is one of the outgrowths of this method carried on over many years by many persons. It is not to be expected that all conclusions of these workers are now regarded as correct. Science is forever developing and our conclusions are changing with the finding of new facts and new methods of study. Progress is slow, often halting, and is subject to human fallibility. Science is not scorching thought up to discredit religion. The proportion of problems which we now think are solved is a very small part of those which remain to be solved.

Only those who know little of true science discredit all religion. As I see it the function of the latter is to supply an explanation of the unknown and the unknowable. As science has progressed some of the stories in the Bible which conflict with experiences of modern times have had doubt cast upon them.

The author of the book accepts miracles and at the same time attempts to use the conclusions of certain scientists to support his views. Thus he is attempting to be an "expert witness". Yet he shows by accepting statements long since discredited as well as his use of other phenomena that he displays inability to evaluate or to use the conclusions of science. I have no time to go into details on these.

Thanking you again, I am,

Sincerely yours,

PASSENGER
CAR SERVICE
COMMERCIAL
CAR SERVICE



DO NOT RUN THIS TIRE FLAT

15

53867

STANDARD OIL COMPANY

TIRE WARRANTY and ADJUSTMENT AGREEMENT

MILEAGE WHEN INSTALLED

With A. F. Denton Purchaser April 23 1953

(please print)

(CHECK
BRAND
SOLD)

ATLAS CUSHIONAIRE

ATLAS ROADSTER

ATLAS TRUCK-COACH

ATLAS GRIP-SAFE

ATLAS LUG GRIP

ATLAS LUG GRIP TRUCK-COACH

ATLAS STORM GRIP

Size 760/5 Ply 4 Serial No. 325 SF 890

STANDARD OIL COMPANY, an Indiana Corporation, hereby warrants to the above purchaser that the materials and labor incorporated into the tire listed above are of such quality that the tire may be expected to render satisfactory service if Atlas Cushionaire, Atlas Grip-Safe, Atlas Storm Grip, Atlas Lug Grip or Atlas Truck-Coach brand, for a minimum period of twelve (12) months from the date of purchase for passenger car service, or a minimum period of six (6) months from the date of purchase for commercial car service; if Atlas Roadster brand, for a minimum period of six (6) months from the date of purchase for passenger car service, or a minimum period of three (3) months from the date of purchase for commercial car service, provided same is used under usual conditions in such respective service, and STANDARD OIL COMPANY warrants the tire to give the purchaser satisfactory service under the usual conditions of wear and tear, except as hereinafter stated, during such respective minimum periods of time.

If the tire fails to give the purchaser satisfactory service under usual conditions of wear and tear, except as hereinotherwise stated, the liability of the STANDARD OIL COMPANY under this Warranty and Adjustment Agreement is strictly limited either to repairing the tire without charge or to replacing it with a new tire of same brand and size at its option. If so replaced, purchaser is to be charged and agrees to pay for each month or fraction thereof which has elapsed since the date of purchase. If warranted for twelve months, one-twelfth (1/12) of the current retail price; if warranted for six months, one-sixth (1/6) of the current retail price; or if warranted for three months, one third (1/3) of the current retail price.

Every Atlas pneumatic tire bearing the name "ATLAS" and serial number is warranted by us against defects in material and workmanship during the life of the tire to the extent that if any tire fails because of any such defect, we will either repair the tire or make a reasonable allowance on the purchase of a new tire.

This Warranty and Adjustment Agreement does not cover punctures, tires ruined in running flat, tires injured or destroyed by fire, wrecks or collisions, tires cut by chains, or by obstruction on vehicle, theft, tubes used in any form, or tires used in taxicab or common carrier bus service.

This Warranty and Adjustment Agreement does not cover consequential damages.

No agreements or understandings regarding the subject matter of this Warranty and Adjustment Agreement other than those expressed herein shall be deemed to exist or to bind any of the parties hereto.

Alterations or erasures in this Warranty and Adjustment Agreement will render it void.

STANDARD OIL COMPANY

Countersigned: **DU BOIS SUPER SERVICE**

Regent at Mills

By

Vice-President

Dealer's Name and Address or Station Stamp
Madison 3115 Main St

Adjustments on ATLAS TIRES can be secured wherever ATLAS TIRES are sold, but

THIS WARRANTY AND ADJUSTMENT AGREEMENT MUST BE PRESENTED WHEN MAKING CLAIM.

41 North Roby Road
Madison 5, Wisconsin
August 16, 1954

Scientific American
2 West 45th Street
New York 36, New York

Gentlemen:

I am inclosing check for \$1.00 for which please send me copies of the June and July, 1954 issues of the Scientific American. We received our copies, but they have been misplaced since receipt.

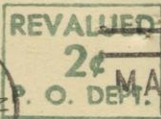
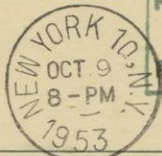
F. T. Thwaites
41 Roby Road
Madison 5, Wisc.

Yours very truly,

Mrs. F. T. Thwaites

F T THWAITES
41 ROBY RD
MADISON WISC

124-L2-21411-RC1-1X911



THIS SIDE OF CARD IS FOR ADDRESS

F. T. Thwaites
41 Roby Road
Madison, Wisconsin

**SCIENTIFIC
AMERICAN**

2 West 45th Street

New York 36, N. Y.

Expiration date: December, 1954

Dear Subscriber:

Thank you for informing us that you have not received
SCIENTIFIC AMERICAN.

Your name is properly entered on our subscription list.
We, therefore, assume the magazine has gone astray in the mails.

We are forwarding a duplicate of the missing magazine.
Should you receive both copies, please pass the duplicate
copy along to an interested friend.

Subscription Department
SCIENTIFIC AMERICAN

41 North Roby Road
Madison 5, Wisconsin
September 24, 1953

Circulation Manager
Scientific American
2 West 45th Street
New York 36, New York

Gentlemen:

I failed to receive my September issue of the Scientific American. I have never been notified that my subscription has run out. The August copy was addressed as follows:

F. T. Thwaites
41 Roby rd
Madison Wisc

124-L2-21411-RC1-1X911

Thanking you for giving yours early attention to this matter, I am

Yours very truly,

F. T. Thwaites

41 North Roby Road
Madison 5, Wisconsin
July 14, 1953

Circulation Manager
Scientific American
2 West 45th Street
New York 36, New York

Gentlemen:

Inclosed please find check for five dollars
(\$5.00) for which please send the Scientific American
for one year to

Thomas T. Thwaites
Hausch & Lomb Building
River Campus
University of Rochester
Rochester 3, New York

Please begin with the July, 1953 issue.

The above is a new subscription and I still
want my personal subscription sent to me as follows:

F. T. Thwaites
41 North Roby Road
Madison 5, Wisconsin

Yours very truly,

Fredrik T. Thwaites

E.

From the Editor THE JOURNAL OF GLACIOLOGY

Please reply to:—

LITTLE DANE,
BIDDENDEN,
ASHFORD, KENT.

TELEPHONE: BIDDENDEN 214.

BRITISH GLACIOLOGICAL SOCIETY,

~~of the ROYAL GEOGRAPHICAL SOCIETY,~~

~~KENSINGTON GORE,~~

~~LONDON, S.W.7~~

c/o SCOTT POLAR RESEARCH INSTITUTE,
LENSFIELD ROAD,
CAMBRIDGE.

31st March, 1953.

Professor F. T. Thwaites,
41 North Roby Road,
Madison 5, Wis., U.S.A.

Dear Professor Thwaites,

Thank you for your letter of March 15th.

This question of extrusion flow is so vexed and uncertain that perhaps we had better leave it for the present for some more empirical tests. These, as you know, are being carried out in America and in the Alps.

If, however, at any time you feel inspired to write to us on the point I shall be very pleased.

Trusting that your summer's expeditions will be successful,

Yours sincerely,

F. Seligman



GEOLOGICAL SURVEY OF CANADA

CANADA

QUOTE FILE:

DEPARTMENT
OF
MINES AND TECHNICAL SURVEYS

Victoria Museum,
Ottawa, Ontario,
February 14, 1958.

Dr. F.T. Thwaite,
University of Wisconsin,
Madison, Wisconsin.

Dear Dr. Thwaite:

I am interested in heavy mineral studies of the Wisconsin drift in relation to diamond prospecting. I am told by Pleistocene geologists here that you have such information at your fingertips.

Can you tell me what published material is available describing the nature and distribution of heavy minerals in Wisconsin? I will appreciate any guidance you can give me to the literature on this subject.

Sincerely,

A handwritten signature in blue ink that reads "C.H. Smith".

CHS:GP

Charles H. Smith.

7 March, 1958

Dr. Charles H. Smith,
Victoria Museum,
Ottawa, Ontario,
Canada

Dear Dr. Smith:

Yours of the 14th February reached me yesterday for I have retired and they failed to forward it to me.

Someone has misled you in regard to my study of heavy minerals. I know of no work on them from the Pleistocene of Wisconsin although I think there has been some work in other states. I have a list of local studies of the Paleozoic and Precambrian but they would not aid you.

I have my doubts that the diamonds found in or on the drift of this state came from Canada. None have been found for a long time despite the vast amount of excavation. I have considered that in spite of reports that one was found in a well, that these striking stones were traded by Indians from the known diamond deposit in Arkansas. Maybe I am all wrong but that would make sense in my opinion.

If you want work on the bedrocks Graham ~~was~~ wrote in 1933, Tyler in 1936, Wilgus in 1933, Ockerman in 1930, Fentland in 1931. You can get the references from the Bibliography of North American Geology. I had several talks with diamond prospectors some of whom claimed to have found diamonds. One of these was in Manitoba gravel.

Sincerely yours,

SIGMA DELTA EPSILON NEWS

Vol. 21, No. 1

A News Letter of Sigma Delta Epsilon, Graduate Women's Scientific Fraternity

November, 1957

NATIONAL MEETINGS OF SIGMA DELTA EPSILON

DECEMBER 26 - 28, 1957

CLAYPOOL HOTEL — INDIANAPOLIS, INDIANA

meetings with

NATIONAL MEETINGS OF AAAS

PROGRAM

Headquarters — Claypool Hotel — Parlor T — December 26 - 28

National Council and Board of Directors Meeting
.....Claypool Hotel — Parlor T — December 26, 7:30 P.M.

Dinner and Grand Chapter Meeting
.....Claypool Hotel — Empire Room — December 27, 6:30 P.M.

Luncheon for All Women in Science.....December 28, 12:30 P.M.

Speaker — DR. ESTHER ANDERSON — Department of Geography
University of Nebraska at Lincoln.

**"GEOGRAPHY IN RELATION TO CITY AND URBAN PLANNING
AND SOME RELATED PROBLEMS".**

Room arrangements should be made through the AAAS Housing Bureau, either by using a coupon from a recent issue of SCIENCE or writing to them directly at 1201 Roosevelt Building, Indianapolis 4, Indiana. The Claypool rates are: Single \$7.00 - \$10.00, Double bed \$9.50 - \$14.00, Twin beds \$10.50 - \$14.00 and a Suite \$13.50 - \$34.00. Seven other hotels are listed in any issue of Science since July 19, 1957. All hotels have sessions in their private rooms.

PRESIDENT'S COLUMN

Another year is drawing to a close, and the national officers believe that it has been a moderately successful one for Sigma Delta Epsilon. A Research Award was granted during the year, and there will be another Honorary Membership awarded in December. Under the direction of our able first vice-president, Dr. Mary L. Robbins, a new chapter is almost ready for installation, and plans for the organization of one or two others on the west coast are going forward. Also at her instigation an SDE breakfast was held at the time of the meeting of the American Society of Bacteriologists at Detroit last spring. In connection with the meeting of the American Institute for Biological Sciences at Stanford University in August a tea was held for all women in science and was well attended.

Our UNESCO committee is growing increasingly more active under the chairmanship of Dr. Lois Almon, with the

assistance of Dr. Gilroy. The chairman attended, at her own expense, the Sixth National conference convened by the U. S. National Commission for UNESCO in California early in November.

Our National Secretary, Mrs. Parker, has made great strides in getting the record of active members complete, and all chapters are urged to help her keep her files up to date by prompt report of new members, new officers elected and chapter news.

At a luncheon meeting of delegates of societies affiliated with the American Institute of Biological Sciences at Stanford University, attention was called to the desirability of having all scientists make sure they are registered with the National Roster of Scientific Personnel. Many of us have received several questionnaires in the past, and have wondered why it was necessary to fill them out afresh. It was explained that the roster has been conducted under several different agencies

of the government, dropped intermittently, and then reactivated; but that now a permanent roster has been set up under the auspices of the National Science Foundation. Henceforth those already listed will receive photostatic copies of the record at stated intervals, and will need only to keep information up to date. The entire roster will be maintained under a code system which will permit adequate placement of scientific personnel in unusual positions, and will be of inestimable value in case of nation-wide emergency. Biologists who are not registered are asked to communicate with the American Institute of Biological Sciences at 2000 P St., N.W., Washington 6, D.C. All others should write for forms directly to the National Science Foundation.

In a short time we shall be meeting in Indianapolis. I shall hope to see many of you there. My cordial greetings and good wishes to all of you.

—Irene Cory Diller

REPORT OF THE NATIONAL SECRETARY

It does not seem possible that a second year of the new form of national secretaryship is almost completed. The greatest accomplishment in the past 10 months has been the completion of setting up an active and an inactive membership file using the data cards. The active files include national honorary members, local honorary members and associate members. A Life Member is an active member for life. The present distribution of active members by chapters, with the national and local honorary members listed separately, is as follows:

Alpha	134
Beta	142
Gamma	62
Delta	26
Epsilon	90
Eta	81
Theta	80
Iota	31
Kappa	79
Lambda	60
Mu	40
Nu	94
Xi	81
Omicron	136
Pi	83
Rho	59
Sigma	84
Alumnae	216
Nat. Hon. ...	13
Local Hon. ...	9

Total "active" members 1600

These figures may not agree with your present chapter records if your chapter has not recently sent in a chapter membership list. The nine local honorary members are divided among five chapters Alpha, Theta, Lambda, Kappa and Rho. In the future when chapters send in membership lists please list the members carefully under the proper classifications, i.e., active, associate, local honorary, national honorary and if you have it honorary life membership. (The latter is actually active membership but may be listed separately). There has been some confusion recently with local honorary members listed as associate or the reverse, or national honorary members listed as local honorary members.

The number of National Inactive Members is 3703. This brings the total membership of Sigma Delta Epsilon to 5303. Probably I should say in the neighborhood of 5303 members because some chapters have not sent in data cards or even lists of new members in the past two years. Perhaps no new members were taken into these chapters but when no membership records of any kind are sent in it is impossible to tell. Let us make 1958 a truly fraternal year with records sent in from all chapters.

Since January 1, 1957, one hundred and thirteen data cards have been received for new members. A membership card was filled out for each new member and returned to the chapter for distribution. Some other items of business conducted this year are:

Mimeographed material has been prepared on several occasions and sent out to all chapters, the national council and national committee chairman.

The "Black Book" or Summary of the Proceedings of the Conventions of Sigma Delta Epsilon" was brought up to date (1940-1957) for the members of the national council.

An election for National Honorary Membership was completed.

Information has been gathered from the files to aid the Chapter Establishment Committee and the UNESCO Committee.

Last but not least a considerably larger volume of mail has been handled this past ten months than during the corresponding period last year. This latter item I would like to think indicates that I have been able to give more assistance, as needed, to the chapters, national officers and national committees. Any suggestions as to how the secretaryship can be made more useful to the organization will be most welcome.

At present there are indications that many new members drop out either immediately after initiation or soon thereafter. Of the 3703 inactive members 551 or 15% were initiated from 1950-1956. It seems to me, considering that SDE began in 1921, 36 years ago, and has a total membership of 5303 that this is quite a large number of recent initiates to drop out of membership. We are a unique group, to the best of my knowledge, in that we are the only organized body of women representing all the branches of science. As scientific findings have progressed in the past 25 or more years various fields of science have become more closely inter-related. Our meetings give us a real opportunity to share knowledge gained in one field with those in other branches of science. I sometimes wonder if our new members are made aware of this aspect of the object of SDE or are they made to feel that it is simply an honor to be elected to membership and no effort is required on their part to keep up membership or help further all parts of the objective of the organization. True, one phase of our objective is to give recognition to women in science through active, local honorary or national honorary membership, but this is not our entire objective. In addition to the two parts of the objective noted above is a third, that of furthering interest in science. This we accomplish at present through our Fellowship Fund and contributing to UNESCO projects, supplying scientific equipment to high schools or universities in other countries. Would not membership take on new meaning if new members understood all parts of our objective and therefore might continue active membership to help further these aims? Is every effort made to help a member leaving a chapter area to relocate in a new chapter or become an Alumnae member?

This year I have enjoyed becoming acquainted with more of you through the mail. The fine cooperation given by a number of the chapters has been appreciated. We are now looking forward to our National Meetings in Indianapolis in December and I hope to see many of you there.

Cordially,

Helen Borton Parker

NEWS FROM KOREA

MAPO GIRLS' MIDDLE SCHOOL
HILL No. 3-13 Yumni-dong, Mapo-Ku
Seoul, Korea

Miss Lois Almon June 3, 1957
Chairman Sigma Delta Epsilon
National Committee for UNESCO

Dear Miss Almon:

I hardly know how to thank you on behalf of our teachers and schoolmates for the twenty sets of microscopes you generously gave us the other day. And I have received your kindful letter, too.

You and I belong to different countries that are closely allied and I hope that I can contribute something for continuation of this friendship. I am of the opinion that education of Korea's young generation and help from America are what the future development of this country depends on.

When we use the microscopes we remind your kind and smiling faces on it. And my students are using those equipments with a great respect, honor and memories. We will teach and study hard and do our best for all school projects. To do this, I think, is to reply to your kindness.

I thank you again for kind assistance you rendered to my poor children. May God's blessings be with you.

Sincerely yours,

Choi Kook Kyung,
Principal
Mapo Girls' Middle School.

NATIONAL OFFICERS and COMMITTEES for 1957

National Council:

President: **Irene Corey Diller, Dr.** (Rho)
Institute of Cancer Research, 7701
Burholme Ave., Philadelphia 11, Pa.

First V.P.: **Mary Louise Robbins, Dr.**,
(Omicron), 4913 Chevy Chase Blvd.,
Chevy Chase 15, Md.

Second V. P.: **Esther S. Anderson, Dr.**,
(Iota), 4414 Vine St., Lincoln, Neb.

Secretary: **Helen B. Parer (Mrs. C. M.)**
(Rho), 7 Lloyd Rd., Malvern, Pa.

Treasurer: **Teresa Cohen, Dr.**, (Mu),
Dept. of Mathematics, Pennsylvania
State University, University Park, Pa.

Past Pres.: **Mary Gojdics, Dr.**, (ambda)
Barat College, Lake Forest, Ill.

Board of Directors:

Frances L. Naylor (Mrs. A. W.), (Alumnae),
881 Louise Circle, Durham, N.C.
(Term ends 1957)

Barbara K. Campbell, Dr., (Alumnae),
Mead-Johnson Research Laboratory,
Evansville, Ind. (Term ends 1958).

Mildred A. Engelbrecht, Dr. (Alumnae),
Dept. of Bacteriology, Univ. of Alabama,
University, Ala. (Terms ends '59)

Ruth Jordan (Miss), (Pi), 230 Harrison
St., Lafayette, Ind. Term ends 1960)

Agnes Hansen, Dr. (Xi), 500 Delaware
St., S.E., Minneapolis 14, Minn. (Term
ends 1961).

Editors of News Letter:

Mattie Tippet, (Miss), (Eta), 5747 Ellis
Avenue, Chicago 37, Illinois.

Helen B. Parker, (Mrs. C. M.) (Rho),
Secretary, ex-officio.

VIEWS FROM KOREA



Shipment received at Mapo Girls' Middle School, Seoul, Korea

In order to obtain some definite information about the UNESCO Gift Coupon Project, I stopped in New York on my way home from a summer in Maine and visited the United Nations Secretariat. Mr. Frey, of the UNESCO Gift Coupon Office, was sufficiently interested in our small contributions to spend some time collecting literature for me.

If you have read criticism of UNESCO methods, as inefficient and wasteful due to the many small projects they sponsor, you may discount it as indicating lack of information. Mr. Frey said that the main effort and funds available for UNESCO are spent on large projects, like that of assistance to India in building and equipping a library and training a staff for the first free public library in the country. The projects which are aided by private organizations, like Sigma Delta Epsilon, are small in cost but very important in results. To quote Dag Hammarskjöld, Secretary General of the United Nations, the Gift Coupon Plan is "a means for individuals to take part personally in the work of the United Nations and in the words of the charter to help 'promote social progress and better standards of life in larger freedom.'"

This winter our contributions will continue to be sent to Korea. Whether they will be used for the same school, the Mapo Girls' Middle School of Seoul, Korea, we are not certain. Dr. Almon has not heard from Mr. M. L. Abeille of the United Nations Korea Reconstruction Agency, who is in charge of allocation of gifts. I am sure it will be sent to some school which needs and deserves assistance. The seven hundred dollars sent between November 1956 and March 1957 have been spent in the purchase of 20 microscopes, 110 specimen jars, balances, test-tubes, glassware, tubing and reagents.

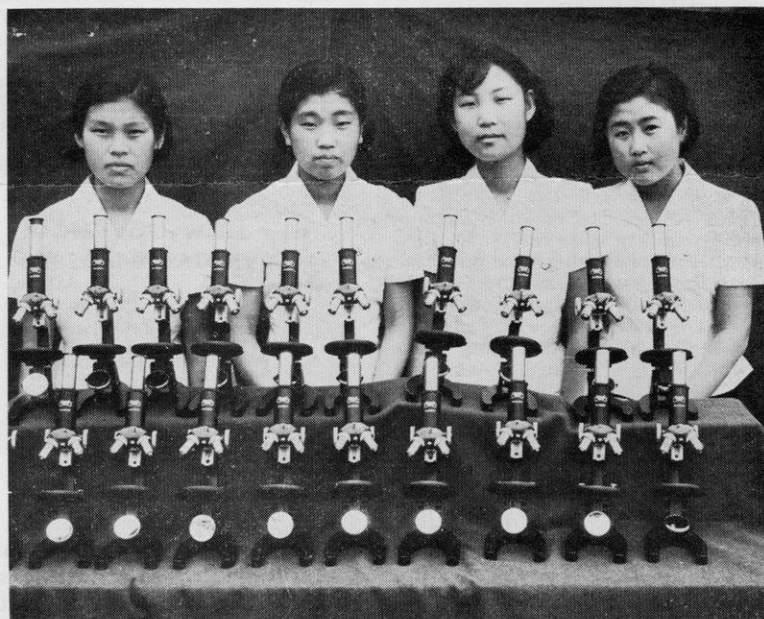
A letter to the principal of this school, Miss Choi Kook Kyung, will doubtless bring a reply to any member of Sigma Delta Epsilon and give full information about the school, the students and their plans.

Suggestions for fund raising projects may be obtained from the UNESCO Gift Coupon Office, Room 1101, 42nd St. at First Ave., New York 17, N. Y. Ask for pamphlet "Give and Gain" for which there is no charge.

Nineteen other countries in addition to the United States are active participants in similar UNESCO gift projects, as reported in U. N. publications.

Will the UNESCO representatives of each SDE chapter please write to me and let me know whether the Chapter would like books of gift stamps, and how many.

HELEN T. GILROY,
SDE, UNESCO Comm. Treas.
133 New Street
Glenside, Penna.



Girls and Microscopes in Korea

UNESCO

The majority of SDE chapters voted last winter for wider participation of the organization in UNESCO activities. This imposes added responsibilities on the entire membership, for successful participation can be achieved only if there is real interest.

Interest is an outgrowth of knowledge. My conversations with people - mostly college people - leave me with the impression that few know what UNESCO stands for and what it does. I suspect that even a good many SDE members know little about it except for the Gift Coupon activities. Is this a harsh judgment?

The first responsibility, then, is to obtain more detailed knowledge. Below are three addresses from which literature may be obtained free of charge.

Please use them:

UNESCO Relations Staff
Department of State
Washington 25, D. C.
UNESCO Office
Room 2201 U. N. Building
New York 17, New York
UNESCO Headquarters
19, Avenue Kleber
Paris 16e, France

It is at the third of the above addresses that most of the scientific work of the organization is coordinated. From it you can get information about the arid zone research, the marine sciences research and the Council for European Cooperation in Nuclear Research—all sponsored by UNESCO. If you write there, you will need to make your requests specific. A general request for information would not mean much in a place as involved in details as that one is.

Those of our members who now know much about UNESCO, and those who study to learn more, will have ideas concerning SDE's possible role. Your UNESCO chairman will welcome them—

Lois Almon,
Chr. UNESCO Comm.
Box 235
State College, Miss.

National Roster of Scientific Personnel

Attention has been called to the fact that a considerable number of American scientists have never filled in a blank for the National Roster of Scientific Personnel. Some scientists, however, have filled in several of the forms and have questioned the need for doing this so often. It has now been explained that several different agencies in the past were charged with collecting the data and that they have either gone out of existence or run out of funds. The project has been taken up permanently by the National Science Foundation and in future communications with those already on record should be confined to attempts to keep the recorded information up to date. If there are members of our organization who have never filled in such a form, you are urged to do so. Many uses are being found for this roster, among them the placement of competent personnel in appropriate positions. Those in the biological sciences may request blanks from the Am. Inst. of Biological Sciences, 2000 P St., N.W.; those in other groups may write directly to the National Science Foundation, also located in Washington.

— Helen Borden Parker

Dr. Florence Seibert (right) and her Assistant (her sister Mabel)



Cancer research in the Philadelphia area received new impetus from some \$270,000 which was given in grants to various medical centers by the American Cancer Society. Among those receiving grants was DR. FLORENCE SEIBERT who received a grant for the fourth year to study the chemical composition of cancer cells. Dr. Seibert was originally a member of Eta Chapter and was made National Honorary Member in 1943 and is now a member of Rho Chapter.

HOW TO KNOW INDIANA MOSSES

In early August Dr. Minona Welch's book, *MOSES OF INDIANA* was published by the Indiana State Department of Conservation, Indianapolis, Indiana. The book consists of 478 pages and 254 figures. The manual has keys and descriptions for 25 families, 92 genera, and 260 species, varieties, and forms of mosses known to occur in the state. It will be of use to amateurs as well as professional botanists. It is similar to the series of books treating the vascular plants of Indiana, by the late Dr. Charles C. Deam. One of the unique features of the volume is that the keys are based on the vegetative characteristics so that the plants can be identified whether collected with or without fruits.

NEWS OF THE ALUMNAE

ELIZABETH BROWN CHASE (Mrs. Herman B.) spent the academic year 1956-57 in England with her husband, who was on sabbatical leave from Brown University.

DELAPHINE G. R. WYCKOFF has become Wellesley's first Professor of Bacteriology.

MARGARET FULFORD has been appointed a Fellow of the Graduate School of Arts and Sciences, University of Cincinnati. These Fellows are appointed from members of the faculty and she is the first woman to so honored.

GLADYS A. ANSLOW has just returned to Smith College after an extended trip to Europe, undertaken to discuss evidence from infra-red spectra of the structure of antibiotics and crystalline proteins with scientists at Cambridge, Oxford, London, and Basel.

After a three-month's visit in Europe, JOHANNA HENN is now employed as a chemist with the Los Angeles County Air Pollution Control District.

ESTHER CARPENTER received an honorary D. Sc. from Ohio Wesleyan University, in 1956.

KATHARINA BOLLENBACHER is now working at the University of Arkansas Agricultural Experiment Station as a plant pathologist employed by the U.S. Dept. of Agriculture. Her work involves cooperation with members of the Plant Pathology Dept. of the University in research on seedling diseases of cotton.

(continued page 5 col. 1)

Dr. Haber at Work



DR. JULIA HABER was granted the \$1,600 post-doctoral Fellowship Award for 1957.

It is interesting to note that Dr. Haber was a charter member of Alpha Chapter and helped to start Nu Chapter at Penn State, acting as its first president. She is retired and wished to undertake a project involving the micromasoscopic studies of a family of plants taxonomically called Proteaceae, which includes trees and shrubs found in tropical regions of Australia, South Africa and Central and South America. The Sigma Delta Epsilon Fellowship is enabling Mrs. Haber to make this botanical study, which is needed to help clarify whether these plants

are "primitive" or "advanced".

These shrubs and plants are not native to the United States although some have been imported. Dr. Arthur J. Eames, retired professor of botany at Cornell University has supplied Dr. Haber with many specimens which he collected during a visit to Australia under a Fulbright grant. Others she has received from Africa and the herbarium of the Chicago Natural History Museum.

Dr. Haber is active in other ways. Last year she was president of the Pennsylvania State University Retired Staff Club. Another activity she enjoys is flower gardening which closely compliments her field of science.

ESTHER L. McCANDLESS has been promoted from Research Associate to Assistant Professor of Physiology at the University of Tennessee Medical Unit, Memphis.

EDITH FORCE KASSING (Mrs. David O.), having "retired" after 43 years of teaching, last year was busy doing substitute teaching in Tulsa's junior and senior high schools and in connection with the Home Bound Department. The latter is a program developed by the state to send teachers to the homes of those children who cannot attend school because of physical handicaps.

DOROTHY J. SCHNEIDER recently received a permanent appointment as bacteriologist in charge of the Buffalo laboratory of the New York State Dept. of Health.

REBA STAGGS received the Distinguished Service Alumni Award at Drury College, Springfield, Mo., in June 1956 and also a U.S. Navy Certificate of Commendation Award at Bermuda in January 1957.

HELEN MERRIAM STEWART (Mrs. Wm. W.) has a new daughter, born in May 1957.

ETHEL NACE ROSE (Mrs. Harry A.) of Indianapolis was blessed with twin boys in January 1957.

Tea at Sanford University

During the meetings of the American Institute of Biological Sciences at Stanford University, Sigma Delta Epsilon sponsored a tea for all women in science. It was held on August 27 at Bowman Alumnae House and was attended by forty guests, a number of whom were not members of the organization, though some of these would like to be affiliated if there were a chapter in the vicinity. The national officers are pursuing preliminary plans for the possible establishment of such a chapter on the West Coast.

BREAKFAST AT DETROIT

For the first time, Sigma Delta Epsilon was able to have a "get-together" at the annual meeting of the Society of American Bacteriologists, held this year in Detroit. Eighteen Sigma Delta Epsilon members (from five chapters) and one guest met around the breakfast table at the Statler Hotel on May 1. A few remarks were made by Dr. Mildred Engelbrecht, former National President, and by Dr. Mary Louise Robbins, Vice-President, who presided.

All present asked for a repeat performance next year. Let's hope it can be arranged; it's such a nice way to meet more of our own members and to become better acquainted with those we have met.

—Dr. Mary L. Robbins

DR. VIDA LATHAM HONORED

Dr. Vida Annette Latham was specially honored by the Chicago Technical Societies Council at their Merit Awards Dinner on November 7. Four awards were then given for "Distinguished Service to the Technical and Scientific Community of Chicago." The recipients represented different society groups and were the unanimous choice of the awards committee. The SCI-EN-TECH NEWS for October states the following: "Dr. Vida Latham of the State Microscopical Society of the State of Illinois is the 'grand old lady' of dental surgery and medicine and has so many professional and scientific distinctions that space here is insufficient to permit any listing. Suffice to say, she has the following degrees granted by American and European universities:— M.D., D.D.S., M.Sc., F.R.M.S., E.L.S.

She belongs to more than 15 societies and is a fellow of four of them. She has published many articles and has held many offices in the various groups. She is also active in community work."

Dr. Latham is a life member of Sigma Delta Epsilon and a charter member of Eta Chapter.

ALUMNI NEWS ITEM

Martha Doan Portrait

On June 8, 1957 Earlham College Alumni presented Earlham College with a portrait of Martha Doan who had been Dean of Women and a professor of chemistry at Earlham from 1915-1926. Martha Doan is also an Alumnus of Earlham, having received a B.L. degree in 1892. After 1926 Dr. Doan spent a number of years doing research in chemistry at Baker Lab., Cornell University.

THE ASSOCIATION'S THIRTIETH NEWCOMB CLEVELAND PRIZE

The thirtieth award of the American Association for the Advancement of Science Thousand Dollar Prize will be made at the Indianapolis meeting and representing an outstanding contribution to science. The generous donor of this award, administered by the Association since 1923, has been the late Newcomb Cleveland of New York. A life member of the Association, he preferred to remain anonymous until his death, in 1951. With a fund of \$25,000 left as his bequest, the AAAS will continue to make this award, hereafter under the name, The Newcomb Cleveland Prize.

It was always Mr. Cleveland's wish that this Prize should be awarded each year to one of the younger scientists and that, preferably, it should not be divided among two or more investigators, whether working independently or in collaboration. The Prize is awarded upon the recommendation of a special Committee, appointed each year, whose judgment is final.

It is not necessary that the prize winner be a member of the Association. To be eligible a paper shall consist primarily of the results of the author's own research. Presidential and Vice-Presidential addresses, review of the author's own previously published research accomplishments are not eligible.

(Published at request of A.A.A.S.)

XI CHAPTER—

Dr. Elizabeth Johnson, our past president, has recently adopted a 5 year old boy, Willard. Dr. Johnson was an assistant scientist in the department of Agronomy and Plant Genetics at the University of Minnesota.

A recent publication by **Miss Agnes Hansen** is: "The Expression of the Gene Dwarf-1 during the development of the seedling shoot in Maize." *Am. Jour. of Bot.* Vol. 44, No. 4, 381-390. April, 1957.

PI CHAPTER—

Eleven new members were initiated into Pi Chapter at the annual dinner in the Purdue Memorial Union. The speaker of the evening was Dean Helen Schleman, Dean of Women of Purdue University. The initiates were as follows: Judy Barkdull, Rita Barr, Audrey Bramblett, Cam-

ille Bulard, Patricia Clark, Patricia Condon, Carmen Himes, Priscilla Nissen, Rose Parke, Esther Rupel, and Eilaen Yu.

Dr. Camille Bulard comes to us from the University of Toulouse, France. She is working with Dr. Carl Leopold on a post-doctoral research fellowship in plant physiology.

Dr. Dorothy Powellson, of the Bacteriology Department is on leave of absence until July 1, 1958. She is doing research at the Laboratory of Hygiene of the Department of National Health and Welfare in Ottawa, Canada.

Dr. Ethel Neldergang-Kamien and her husband have returned from a tour of England, France, Holland, Switzerland, and Italy, climaxed by a two-month stay in Israel. While abroad Ethel visited with the plant physiologists at Oxford, gave discussions on the physiological aspects of aging in plants and its reversal at Wageningen, Holland and at the Hebrew University in Jerusalem.



Season's Greetings

NOTES FROM ETA

IRENE GINGER (Mrs. Roger) is now living in Park Ridge, Ill. with her husband and two young sons. She is keeping in active touch with chemistry by abstracting regularly for Chemical Abstracts.

GRACE KNOX is president of the Chicago Society of Medical Technologists for 1957-58.

JAQUELYN BYERS has completed work for her degree and is teaching geography at the University of Montana in Missoula.

ALICE FOSTER is spending the winter with her niece Ruth in Yuma, Arizona.

MAMIE L. ANDERSON has recently returned from India where she spent a year under a Fulbright Grant and a Lambda State Delta Kappa Gamma Foreign Fellowship. She reports it has been a very educational year for her.

PRICILLA CHANG spent the past summer working at Shell Development Co. in Emeryville, California.

NU CHAPTER—

Dr. Mary L. Dodds was the recipient of the Borden award at the annual meeting of the American Home Economics Society on June 26, 1957. The award consisted of a gold medal citation and \$1,000 given for outstanding research in nutrition.

Sigma Delta Epsilon members were hostesses at an informal tea given for women in science during the annual meetings of the American Mathematics Society. Charter members of the chapter were hostesses in the receiving line and pouring: Dr. Mary L. Willard, Dr. A. H. Frink, Dr. H. B. Owens, Mrs. N. Krall, Mrs. Julia Haber. About fifty women were present, including a number of SDE members from other chapters.

Mrs. Joan Whitmore Davis has moved to Los Angeles where her husband has been transferred.

NECROLOGY

DR. MINNA F. KOCH died June 1, 1957 in New Orleans, La. Dr. Koch, a teacher of botany and biology, was a member of Alpha Chapter and for a brief period in the early '30's was a member of Kappa Chapter while teaching at Hunter College. Later she became an Alumnae Member.

Her sisters Anna and Emilie Koch sent a contribution to the Fellowship Fund in honor of Dr. Minna Koch. This is greatly appreciated.

DR. MARY ALLISON BENNETT died August 12, 1957 in Macomb, Ill. In 1953 Dr. Bennett retired as Head of the Biology Department at Western Illinois State Teachers College. She had been a member of the faculty there from 1921. She was the recent (1955-57) Chairman of the Alumnae Chapter and had done a splendid job, in spite of her illness, of preparing an up-to-date chapter directory.

Dear Mrs. Thwaiter. The committee felt that the girls from Biology had not been here long enough to be eligible this year but would be next. Two of the girls from Geography were very good. Thanks for your help.
Dear Sigma Delta Epsilon Member, *D.J.W.*

We are enclosing the list of prospective members and would appreciate it very much if you would study their qualifications and then fill in the enclosed ballot. If possible, we would like to have it back by Friday, February 7.

The initiation will be February 17 at 5:30 P.M. in the Beefeaters Room at the Union. Afterwards there will be a dinner in the Old Madison Room at 6:15 P.M. The cost will be \$2.50 for the dinner plus \$0.15 for incidentals. We would appreciate it if you would pay in advance. The speaker will be Dr. William Laughlin from the Anthropology Department who will talk about "The Major Features of Human Evolution". We hope to see you there.

Incidentally Maarit Threlfall, 5518 Barton Road, who is the treasurer this year is asking us to remind all of you who haven't paid your dues yet that the treasury is low and needs replenishing. The dues for students are \$2.50 and for regular members, \$4.00. Only life members don't have to pay!

We are thanking you in advance for your help and promptness in returning the ballot, reservation, and your dues (if you haven't already paid).

Most sincerely,

Dorothy Davidson
Vice President

*Dept. Biochemistry
U. of Wisconsin
Madison & Wisconsin*

Qualifications of Nominees

Bacteriology

LUCY FOWLER

B.S. Wellesley College '56; M.S. candidate June '58
At Wisconsin since Sept. '56, research assistant in Agricultural Bacteriology
N. and S: Mildred Quinlan and Lydia Roslycky

ILGA BUTELIS

B.S. U. of Penn., Philadelphia '56; M.S. candidate Feb. '58
At Wisconsin since Sept. '56, teaching assistant in Bacteriology
Alpha Epsilon Delta
N and S: Mildred Quinlan and Lydia Roslycky

Biochemistry

NANCY WINTER

B.S. U. of South Dakota '56
At Wisconsin since Sept. '56, research assistant in Biochemistry
N and S: Ruta Wiener and Dorothy Davidson

Botany

C. ANN MORNEAU

B.S. St. Norbert College '56; M.S. candidate June '58
At Wisconsin since Sept. '56, teaching assistant in Botany
Delta Epsilon Sigma
N and S: Martha Christensen and Gwen Struik

CAROL ANN ELDER

B.S. Albion College '56
At Wisconsin since Sept. '56, N.S.F. Fellow in Botany
Beta Beta Beta, Kappa Mu Epsilon, Phi Beta Kappa, Botanical
Soc. Am.

N and S: Martha Christensen and Gwen Struik

BOBBIE NELL MOORE

B.S. Mississippi College '56; M.S. candidate June '58
At Wisconsin since Sept '56, research assistant in Botany
B.S. with "special distinction"

N and S: Martha Christensen and Gwen Struik

VANIDA SUVAGONDHA

B.S. School of Pharmacy, Bangkok, Thailand, March '54; M.S.
candidate June '58

At Wisconsin since Sept '56; International Cooperation Ad-
mission for Thailand Fellowship (U.S. Government Fellowship)
in Zoology

Had been teaching assistant in School of Pharmacy, Thailand
Thai Pharmaceutical Assoc., Protozoologist Society, Thai Assoc.
of Univ. Women

N and S: Gwen Struik and Martha Christensen

Chemistry

MARILYN ROBERTA LYNCH

B.S. Trinity College '53; M.S. Radcliffe College '56
At Wisconsin since Sept. '56; teaching assistant in Chemistry
Past Positions: Fonics, Inc., Lincoln Labs, teaching fellow
Harvard

N: Carolyn Abrahams

MARGARET A. FRISCH

B.S. Nazareth College of Rochester '56
At Wisconsin since Sept. '56, teaching and research assistant
in Chemistry

A.C.S., Kappa Gamma Pi
1 publication

N: Carolyn Abrahams

Enzyme Institute

ANNE-CATHERINE RIIBER

Equivalent to B.S. at the Tekniska Instit., Stockholm '54; M.S.
candidate Feb. '58

At Wisconsin since '56, research assistant in Biochemistry
(Enzyme Institute II)

N and S: Maija Zile and Shu-Fang Wang

JEANNE ALICE LANGE

B.S. U. Michigan '51; M.S. candidate Feb. '58

At Wisconsin since July '56, Public Health Fellow

Had been research assistant at Detroit Institute for Cancer
Research

Mortar Board, Alpha Lambda Delta

N and S: Maija Zile and Shu-Fang Wang

Geography

BARBARA ZAKRZEWSKA

B.S. and M.S. U. of Indiana (also some work at U. Warsaw)

At Wisconsin since June '57, university fellow

Highly recommended by Dr. Hammond

N and S: Amy Thwaites and Dorothy Davidson

Home Economics

ARLETTE IRENE RASMUSSEN

B.S. Northwestern '56

At Wisconsin since Sept. '56, research assistant in Home Ec.

Phi Sigma, Alpha Lambda Delta, Phi Beta Kappa

N and S: May Reynolds and Ann Waldorf

MARGY WOODBURN

B. S. U. Illinois '50; M.S. U. Wisconsin '56

At Wisconsin 1 1/2 years plus one summer, General Foods Fellow

B.S. with highest honors; University Honors; Omicron Nu; Phi

Kappa Phi;

Amer. Home Econ. Assoc.; Institute of Food Technologists

Past positions: High School teacher 1950-1955; instructor

U. Wisconsin '56-'57

N and S: Dorothy Strong and Margaret Cooper

RUTH ELIZABETH BALDWIN

B.S. Kansas State '40; M.S. U. Cal. at L. A. '49

At Wisconsin since June '57, research assistant in Home Ec.

Omicron Nu, Sigma Xi (Assoc.)

Past Positions: Assistant professor U. Iowa '55--(on leave);

Home Demonstration Agent in Colorado and California '53-'55,

Assoc. in Home Ec. U. Cal. at L. A. '50-'53

N and S: Dorothy Strong and Ann Waldorf

VIRGINIA HALLIE MARX

B.S. Mills College '49; M.S. Colorado A. and M. College '55

At Wisconsin since Sept. '57, research assistant in Foods and
Nutrition

Past Positions: Therapeutic dietitian, Barnes Hospital 1950-52;

Assistant director therapeutics, Duke University Hospital '55

Sigma Xi

N and S: Dorothy Strong and Margaret Cooper

MARY A. MORRISON

B.S. Univ. Alberta '49; M.S. Washington State '51

At Wisconsin since Sept. '57, research assistant in Home Ec.

Past Positions: U. of Washington, 1952-1955; U. Toronto, 1955-57
2 publications

N and S: May Reynolds and Ann Waldorf

NORMA YVONNE METHENY

B.S. Kansas State '50; M.S. candidate '58

At Wisconsin since Sept. '56, graduate student in Home Ec.

Nutrition

Past Positions: Dietitian, Grace Hospital, Hutchinson, Kansas

1951-1953; Methodist Hospital, Rochester, Minnesota, 1953-1956

Phi Sigma

N and S: Marilyn Chaloupka and Ann Waldorf

Medicine and Oncology

GERALDINE YVONNE DEGRAZIA

B.S. Seton Hill '56; M.S. Northwestern '57

Project Assistant in Oncology

Past Positions: Graduate Teaching Assistant, 1956-57; Research
assistant summer of '57

Sigma Xi; Kappa Gamma Pi; Alpha Lambda Delta; National Science

Honorable mention; graduated Summa Cum Laude

N and S: Anna Maria Williams and Sophie Guttus

SUDHA JOSHI

B.S. U. Bombay '46; M.S. '49; Ph.D. '54

At Wisconsin since Sept. '57, research fellow in Tumor Clinic,
University Hospital

Three publications

Past Position: Instructor, Oregon State College, 1956-57.

N and S: Anna Maria Williams and Sophie Guttus

MASAKO KAIHARA

B.S. Tokyo Women's Pharmaceutical College '45; Ph.D. U. Tokyo
'58 or '59

Project Assistant, Cancer Research Hospital, doing her thesis
problem and also doing original research on another problem.

She has completed all her course work for the Ph.D. at U,

Tokyo and is doing her thesis work here.

Past Position: U.S. Naval Hospital, Yokosuka, Japan, 1946-1953

Japanese Biochemical Society

5 publications

N and S: Anna Maria Williams and Sophie Guttus

SMI

SANGDUK KIM

No record of B.S. found; M.S. Jan. '58; M.D. Seoul Women's
Medical College '53

At Wisconsin since Aug. '56, research assistant in Physiological
Chemistry

Past Position: Evangelical Deaconess Hospital, Milwaukee

N and S: Jean Tews and Eleanor Larsen

VALERIE WILLIAMS

B. Ph. School of Pharmacy, U. London '56

At Wisconsin since Sept. '56, research assistant in Pharmacology
and Toxicology

1 publication

N and S: Eleanor Larsen and Jean Tews

NONA R. KLAPPROTH

B.S. U. Wisc. '56; M.S. candidate '58

In Grad. School since Sept. '56

1 publication in press

N and S: Eleanor Larsen and Jean Tews

ANNE E. CRONIN

B.S. U. Maryland '55; M.S. '58

At Wisconsin since Sept. '55, Teaching Assistant in Medical
Microbiology

N and S: Jean Tews and Eleanor Larsen

THEODOSIA N. WUEBBEN

B.S. U. Wisc. '55; M.S. '58

In Grad. School since Sept. '56, Project Assoc. in Medical
Microbiology

Past Positions: Teaching Assistant '56-'57; technician in
Cardiovascular Unit '55-'56,

N and S: Jean Tews and Eleanor Larsen

Physics

TUI GREIG HEDSTROM

B.S. U. Wisc. '56, M.S. '57

In Grad. School since June '56, Teaching assistant in Physics

Phi Beta Kappa

N: Frances L. Christison

Zoology and Genetics

ANN KATHARINE COOK

B.S. Wilson College

At Wisconsin since Sept. '56, research assistant in Genetics

N and S: Elaine Johansen and Jacqueline St. Clair

RAYLA GREENBERG

B.S. Brooklyn College

At Wisconsin since Sept. '56, teaching assistant in zoology

Phi Beta Kappa

N and S: Elaine Johansen and Jacqueline St. Clair

JANET LOUISE COYLE

B.S. Oregon State; M.S. U. Minnesota will be conferred March '58

At Wisconsin since summer '57, research assistant in Genetics

Phi Sigma, Phi Kappa Phi

N and S: Elaine Johansen and Jaqueline St. Clair

MARY JOAN OLSEN

B.S. Wells

At Wisconsin since Sept. '56, National Science Foundation

fellow in Genetics

Phi Beta Kappa

N and S: Elaine Johansen and Jaqueline St. Clair

Anthropology

MARGERY P. GRAY

Ph.D. U. Oregon

At present Proj. Associate and Instructor in Anthropology

N: Jean Leik

Chemistry

MARY LYNN MCGOWAN

B.S. Nazareth College '56

At Wisconsin since Sept. '56, technical assistant in Chemistry

ACS

N: Carolyn Abrahams

Geography

ALLISON LATHBURY

B.S. Cambridge; M.S. U. Wisconsin

At Wisconsin for three years, presently project assistant in

Meteorology

N and S: Amy Thwaites and Dorothy Davidson

MARCH-28-1958

MR F. T. THWAITES
41 ROBY ROAD
MADISON WIS

DEAR MR THWAITES

YOUR NAME WAS GIVEN TO ME
BY FRANCIS D HOLE WITH REFERENCE
TO GLACIAL DEPOSITS AND LAKE MICHIGAN
HE MENTIONS YOUR BOOK "OUTLINE
OF GLACIAL GEOLOGY"

MAY I ASK THE COST OF YOUR
BOOK AND CAN YOU REFER ME
TO OTHER INFORMATION AVAILABLE
IN THE KENOSHA AREA

YOURS TRULY

PHIL SANDER
8026-7TH AVE
KENOSHA WIS

11 April, 1959

Dr. Walter H Schoewe,
1008 Tennessee St.,
Lawrence, Kansas

Dear Schoewe:

Thank you for the copy of "The Geography of Kansas" which came recently. I retired on 1st July, 1957 and have been busy with finishing up papers I never had time for while working. One of these, the first to be published I am enclosing for you. Doubtless many would regard it as rank heresy for I failed to find any peneplains which they learned about in school. A paper on peneplains in the driftless Area is in New York and as I should expect receiving hostile criticism for this reason.. One on the base of the St. Peter sandstone is at Chicago and doubtless will get some rough treatment before being accepted if it ever is. A book on geomorphic processes is apparently a casualty, for it would meet opposition for the followers of Davis. The ideas are by no means all my own, however. A paper on making maps from air photographs, a subject I taught which has been dropped in the Geology Department since I left, I just do not know what to do with. It is simple and practical thus dropping much of the material in the text books. I also had in mind republishing the ideas I had of structure beneath Lakes Superior and Huron which first appeared in the Guidebook of the Kansas Geological Society in 1935 but little has been accomplished. If I did, nobody is going to dive down to the bottom to prove me wrong! Lake Michigan was done in the G. S. A. Bulletin for 1957 along with the Door Peninsula.

With best regards, I am

Sincerely yours,

F. T. Thwaites

14th October, 1959

Mr. W. Calhoun Smith
Section of Engineering Geology
Natural Resources Bldg,
Urbana, Illinois

Dear Mr. Smith:

I am sending you a copy of my recent paper o
"Land forms of the Baraboo District" in partial recognition
of you help to me on the recent field trip. It is clear that
I cant do the things I used to and should not try any more.

Did I mention that we made a detailed contour map of the
gorge about 1935? I supervised the work but others got the
credit for the thesis.

Thanking you again, I am,

Sincerely yours,

FLEETWOOD 6-6481

W. CALHOUN SMITH

ASSOCIATE GEOLOGIST
SECTION OF ENGINEERING GEOLOGY
AND TOPOGRAPHIC MAPPING

ILLINOIS STATE GEOLOGICAL SURVEY, URBANA

STATE OF ILLINOIS
WILLIAM G. STRATTON, GOVERNOR
DEPARTMENT OF
REGISTRATION AND EDUCATION
VERA M. BINKS, DIRECTOR
SPRINGFIELD
BOARD OF NATURAL RESOURCES
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UNIVERSITY OF ILLINOIS
DEAN WILLIAM L. EVERITT
SOUTHERN ILLINOIS UNIVERSITY
PRESIDENT DELYTE W. MORRIS



STATE GEOLOGICAL SURVEY DIVISION

LOCATED ON THE CAMPUS OF THE UNIVERSITY OF ILLINOIS

JOHN C. FRYE, CHIEF
NATURAL RESOURCES BUILDING
URBANA

November 2, 1959

Professor Fredrik T. Thwaites
41 North Roby Road
Madison 5, Wisconsin

Dear Professor Thwaites:

I have enjoyed reading your paper "Land Forms of the Baraboo District, Wisconsin", and I appreciate your thoughtfulness in sending a copy to me. I wish I could have read it before the Tri-State field trip.

It was a real privilege to share the Baraboo portion of the field trip with you, and I hope you suffered no ill effects from the exertions of the trip.

With warmest regards,

W. Calhoun Smith

W. Calhoun Smith
Assistant Geologist
Section of Engineering Geology
and Topographic Mapping

THE OHIO STATE UNIVERSITY

NOVICE G. FAWCETT, *President*

COLUMBUS 10

DEPARTMENT OF GEOGRAPHY
Office of the Chairman

137 Hagerty Hall
1775 South College Road
May 26, 1959

Mr. Fredrik T. Thwaites
Department of Geology
University of Wisconsin
Madison, Wisconsin

Dear Fred:

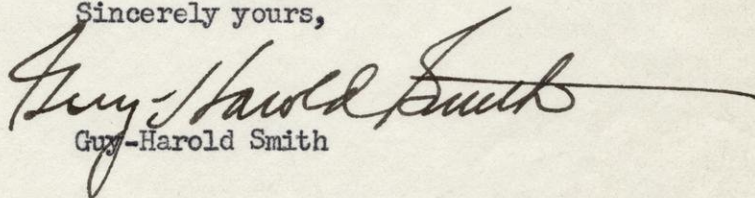
I should have acknowledged long ago your paper on the "Land Forms of the Baraboo District, Wisconsin" but in a busy time of the year things get neglected.

I have read over the paper and I think I can recognize your continued opposition to peneplains that have been suggested for the Baraboo area.

As you well know, it has been now many years since I have been in the Baraboo area, but occasionally when I drive to Wisconsin at least I cross over, or cross through, the area without stopping to make a localized observation. Some of these days I would like to go into Devil's Lake to see what changes have taken place since I taught the field course up there.

We are now nearing the end of the 1958-1959 school year and are looking forward to a brief interval before the Summer Quarter. This summer I will be on duty here and hope that I can get down to Marthas Vineyard briefly in September. Mrs. Smith will try to get down there two months if she can make it. We have word from Mrs. Lobeck that she expects to go early and she has already asked Mrs. Smith to come early if she can get away.

Sincerely yours,


Guy-Harold Smith

GHS:rlc

April 30, 1960

Mr. Wilfred Shaw, Jr.,
Wilkie Foundation
Des Plaines, Illinois

Dear Sir:

In reply to yours of the 27th my researches have led to the same result as yours. I never was able to find any general maps of the several glacial drifts within this country or in Europe. My little book, "Outline of Glacial Geology," which I sell at \$3.00 per single copy postpaid contains maps for parts of this country, but it is so hard to correlate drifts that a general map was impossible. You can secure the latest map of the central United States from the Geological Society of America, 419 W. 117th St., New York 27, New York for \$6.00. This is a colored wall map. R. F. Flint's last book may contain some data on Europe, but the division into rival countries has prevented any general maps so far as I know. I can't give you the price of this book, for I do not own a copy. The title is "Glacial Geology of the Pleistocene Epoch." Perhaps someday when dating by radiocarbon is evaluated, we might get some world-wide correlations, but it will not be in my day, for I retired in 1955.

Prof. Paul Woldstedt, Geological Inst. of the University, Muzallee 2, Bonn, Germany might be able to help you.

Sincerely yours,



DES PLAINES, ILLINOIS, U.S.A.

The Wilkie Foundation

... DEDICATED TO THE ACHIEVEMENT OF UNATTAINED
HORIZONS IN HUMAN WELFARE, THROUGH RESEARCH,
DISCOVERY, INVENTION AND EDUCATIONAL MEDIA.

April 27, 1960

Prof. Fred Thwaites
Department of Geology
University of Wisconsin
Madison, Wisconsin

Dear Professor Thwaites:

I am a film man, not a geologist, but I have been given the opportunity by The Wilkie Foundation to work on an extremely fascinating picture... the story of prehistoric man and more particularly the Zinjanthropus or "Nutcracker" man discovered by Dr. Leakey.

In telling this story it is, of course, necessary to tell the story of where man lived and this is involved with land masses and glaciers. I have asked map manufacturers, university professors, and film people for information, but the answer is the same. There is no map or maps showing the four glacial coverings of the earth and the approximate land mass changes that occurred.

I have many illustrations from books, but they vary widely as to theory. Perhaps you could refer me to where I could find this information to use as a basis for this film, showing the Europe-Africa hemisphere and view of the earth through its glacial changes and the land mass changes. I am interested in the major ones as detail would be completely lost on film.

I realize that this simple-sounding request (to me) is something geologists have searched for for years and undoubtedly have not finished studying. Any help you can give on this problem will certainly be appreciated by me and the Foundation.

Yours very truly,

THE WILKIE FOUNDATION

Wilfred Shaw, Jr.

WS/jc