

DET BOTANISKE MUSEUM
CHRISTIANIA

1. 2. 1922

The American Midland Naturalist,
Notre Dame.

Dear Sir, I do not feel quite certain
if I have correctly filled up your paper.
Our intention is to say that we shall be
very glad to continue the exchange.

We have a complete file of your publication
with the exception of vol. V part 4 and vol. VI
part 12 (if edited?). You would oblige us very
much if you could spare a copy of these
two parts.

Very respectfully yours
for the editor (Dr. N. Wille).

Dr. N. Lyngby

Jan. 5, 1922.

Prof. Arthur Lamb.
Chem. Lab. of Harvard College,
Cambridge 38, Boston, Mass.

My dear Prof. Lamb:

I am sending herewith copy of an article done with one of the graduate students on reaction of acetylene for the Journal. Kindly let me know if it is suitable for publication.

I have also in preparation an article on the "Polymerization of Acetylene to Dipropargyl" by catalytic method. I was practically finished with the writing of this, but on consultation with H. W. Matheson of the Canadian Electro Products Co. who, by the way, have taken up four or five of our patents; he thought it best to delay the publication for a while as it seems to be of commercial importance.

In the mean time should you know of any one who is particularly interested in such unsaturated compound, like dipropargyl, I would consider it a favor to send any one specimen for further investigation. We make the substance in large quantity with which it has been made hitherto little is known of its chemical properties.

Sincerely yours,

JAN:PM

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., SC. D.,
EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA,

Jan. 5, 1922.

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Sincerely yours,

JAN:PM

*Stephen
Leprie*

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EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA, Jan. 12, 1922.

Prof. E. G. Mahim,
Purdue University,
La Fayette, Indiana.

My dear Prof. Mahim:

We are very glad to hear that you consented to address the first meeting of our American Chemical Society and herewith we extend our thanks. In the name of the Chemical Department of the University of Notre Dame, we invite you to visit us. I do not know for certain whether this first meeting will be at Notre Dame or at South Bend as the committee has not arranged the matter definitely. I believe, however, it will take place at Notre Dame. In that case I would be pleased to have you here as our guest during your stay.

Thanking you for your consideration, I am very glad to remain,

Sincerely yours,

The American Midland Naturalist

UNIVERSITY OF NOTRE DAME

J. A. NIEUWLAND, C. S. C., PH. D., SC. D., EDITOR

Jan. 14, 1922.

NOTRE DAME, INDIANA.

Sr. M. Clementine,
Seton Hill College,
Greensburg, Pa.

My dear Sister Clementine:

After consulting the Director of Studies and the Head of the Department of Languages it was decided that examinations are to be taken here. If you have pursued the courses in some school credit for languages may be taken if a definite statement of units is given. In this way we would be accepting credits from other institutions. The application for advanced degrees accept language credits in either way but the Professor now insists that such examination without presentation of credits be given only here.

Hoping this will answer your question, I beg to remain.

Sincerely yours,

JAN:PM

BIOLOGICAL LABORATORY
WASHINGTON & JEFFERSON COLLEGE
WASHINGTON, PA.

Jan. 16, 1922

Dear Dr. Newland:

Please send to me at
this address the ⁴⁵⁰ bound separates ordered of
my last order, as well as the reprints of Dr.
McDermott's article.

Cordially and sincerely,

Dr. A. H. Sney

THE UNIVERSITY OF THE STATE OF NEW YORK
DEPARTMENT OF SCIENCE
HOMER D. HOUSE, STATE BOTANIST

*Office of State Botanist
State Museum, Albany, N. Y.*

January 21, 1922

Dr. J. A. Nieuwland,
Dept. of Botany, Notre Dame Univ.,
Notre Dame, Ind.

Dear Doctor Nieuwland:

I enclose another short
paper on nomenclature which perhaps you can use
in the American Midland Naturalist sometime.

Very truly yours,

H. D. House
State Botanist

RECEIVED

JAN 23 1922

DEPT. - BOTANY - N. D. U.

BIOLOGICAL LABORATORY
WASHINGTON & JEFFERSON COLLEGE
WASHINGTON, PA.

Jan. 23, 1922.

Dear Dr. Nieuwland:

I am returning you the reprints of my article on the Mussel Survey recently sent me. I desire these to be bound suitably with a cover of some stock or other like that attached to the enclosed copy with corrected title page, of which please take note.

I am have been very much disappointed about this, as the same thing happened previously. I am sending these out all over the world, and I would not like any one to form an opinion either of the NATURALIST or of my scientific work from the reprints as they are. Please give this your immediate attention as I am giving a public lecture on this work in three weeks, when I shall wish to give some of them to fellow science workers. So please return them, bound and completed as indicated by them. They are returned at your expense, as I paid \$1.62 expressage on them. It is fully my understanding that I pay for all bound etc. copies over 100. Thanking you for your attention to this, I am,

Cordially and sincerely,

N. D. Grier
Dr. Norman MacDowell Grier,
Professor of Biology.

RECEIVED

JAN 26 1922

DEPT. - BOTANY - N. D. U.

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., SC. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA,

Feb. 5, 1922.

Rev. _____ C.S.C.,

Notre Dame, Indiana.

My dear Father:

There will be a meeting of the Northern Indiana Section of the American Chemical Society which will be held on the 15th of February, 1922, at the Y.M.C.A., South Bend, Indiana. Mr. W.D. Richardson of Swift and Company, Chief Chemist, will deliver an interesting and an important address on the subject of "The Distribution of Vitamines in Nature". Mr. Richardson is an authority on this subject and I am sure that the last word on this matter will be discussed.

If you are interested in hearing the discourse, please answer this note.

Sincerely yours,

_____.C.S.C.,

Chairman of the Program Committee.

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*Cable Address,
Parkedave.*

WHEN REPLYING PLEASE REFER TO
BOTANICAL DEPARTMENT

Detroit, Mich., February 9, 1922.

Dr. J. A. Mieuwland,
Notre Dame University,
Notre Dame, Indiana.

Dear Dr. Meuwland:

I received a copy of the Midland Naturalist
some time ago, in which appeared my paper on "Corrections
of Nomenclature," but have not yet received the 300 reprints
that were ordered. I hope that you have not forgotten
about them.

Very truly yours,

Oliver A. Farwell

14107
Agricultural College, N.S.

Feb. 9, 1922.

Dear Doctor Niessland:

I do not have any plate for
the maps sent with my article on Bird Study.

Sincerely
O. A. Stevens



THIS SIDE OF CARD IS FOR ADDRESS

Dr. J. G. Neenland
Editor, Ann. Mid. Naturalist.

Notre Dame
Ind.

THE DEPARTMENT OF CONSERVATION
STATE OF INDIANA
DIVISION OF FORESTRY
INDIANAPOLIS

CHARLES C. DEAM
STATE FORESTER

February 11th
1922.

DEPT.-BOTANY-N.D.U.

FEB 27 1922

RECEIVED

Mr. J. A. Nieuwland,
Notre Dame, Indiana.

Dear Doctor Nieuwland:-

I am now engaged in writing a book on the shrubs of Indiana similar to the one of the trees. I am now up to Sorbus. I note that you have found S. vestita Greene in St. Joseph County. I found a small tree of this genus in the west side of St. Joe County about one mile south of the Michigan line. I also found it in Laporte county. I thought that my specimens agreed with Greene's vestita but I sent duplicates to Sargent and he said it was the European Sorbus. Aucuparia.

Now in writing up the shrubs I would very much like to see your specimens if you would be kind enough to loan them to me. I have not as yet made a critical study of the material I have on hand. I object to referring it to the European species. It is so unlikely we would find a European species in a dense woodland where I found mine. I do not believe the European species is planted in this State very much.

I would like to have your idea on this matter and if possible the loan of your species.

Sincerely yours,

Chas. C. Deam

CCD/MB

February 13, 1922.

Mr. Glenn H. Pickard,
9 S. Clinton St.,
Chicago, Illinois.

Dear Sir:

I have at hand your recent list of questions which I will attempt to answer in detail at a very early period.

There is another matter which I would like to have your attention directed to. We have here in South Bend, a section of the American Chemical Society comprising about 60 chemists from the local factories and from Notre Dame University. This is a new organization here having had just two meetings being addressed respectfully by Dr. Mahin of Purdue University and Dr. W. D. Richardson of Swift & Company. We should like very much to have the March meeting, which is to be held on the 15th, addressed by yourself and if you will consent to do so, you can use almost any subject which you may see fit but would suggest that the work of the chemists in the drying oil industry together with some data as to actual plant procedures in the refining of oils would interest the section.

This address is to be furnished by this company and such expenses as you may incur would be met by us. Our caliber of speakers have so far been very high and we expect to keep it so in the future.

If you will honor me by a very early reply, I shall be very much pleased.

Thanking you in advance, I am

Very truly yours,

S. J. McGrath

SJM:DM

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., SC. D.
EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA, Feb. 13, 1922.

Mr. Oliver Atkins Farwell,
c/o Park Davis and Co.,
Detroit, Michigan.

My dear Mr. Farwell:

I received your letter of Feb. 9. In regard to the reprints of your article on "Correction of Nomenclature", I am very sorry that we cannot supply them to you for the article is only two pages. We are, however, saving the galley for further additional article that will make it eight pages or more so that it conforms with our printing press.

Sincerely yours,

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY

ARTHUR B. LAMB, *Editor*

CHEMICAL LABORATORY OF HARVARD COLLEGE
CAMBRIDGE 38, MASS.

February 14, 1922.

Dr. J.A.Nieuwland,
University of Notre Dame,
Notre Dame, Indiana.

Dear Sir:

Your manuscript entitled
"Acetylene Compounds with Silver
Phosphate and Silver Arsenate" has
been approved for publication in the
Journal. I showed your letter to
Dr. E.P.Kohler, Professor of Organic
Chemistry at this University, and he
states that he would be very glad
indeed to secure a couple of hundred
grams of dipropargyl, as he can use
it at once in a contemplated investi-
gation.

Yours truly,

A handwritten signature in dark ink, appearing to read 'Arthur B. Lamb', with a stylized, cursive script.

Arthur B. Lamb.

BIOLOGICAL LABORATORY
WASHINGTON & JEFFERSON COLLEGE
WASHINGTON, PA.

Feb. 14, 1922.

Dear Dr. Nieuwland:

If you can have made for me 100 additional reprints of my last article, stitched, bound etc. I shall be glad to pay for them. Thanking you,

Cordially and sincerely,

N. H. Grier
Dr. Norman MacDowell Grier,
Professor of Biology.

For me
[Signature]

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., SC. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA, Feb. 18, 1922.

Dr. E. P. Kohler,
Harvard University,
Cambridge, Mass.

My dear Dr. Kohler:

Dr. Lamb informed me that you would like to obtain some dipropargyl which we prepare catalytically from acetylene polymerization. At my next distillation I shall send you a specimens. I would prefer to send the dipropargyl to you in small installment rather than in one large quantity for reasons which you will see after I make my explanation.

It is absolutely necessary that dipropargyl be used up about as fast needed in your experiment taking the precaution which I shall outline, because as you are aware of the literature whith the subject it polymerizes in the course of three weeks or a month, first to a gel which is harmless and latter this gel solidifies even in sealed tube to a very dangerous solid which explodes spontaneously with great violence. It would seem that light rays are the principal cause of this spontaneous polymerization, but I have known to solidify it rather rapidly in the dark. About a gram of this solid exploded spontaneously one night waking up the janitor two floors below and breaking up glass vessels promiscuously several yards away.

It is of importance not to leave any arrive at the solid stage. Redistillation can be done easily but it is important not to allow the temperature to go over $100^{\circ}\text{C}.$, as the residue in the glass slowly polymerizes by heat and explodes at $115^{\circ}\text{C}.$ Nearly the last traces of dipropargyl can be removed from the distilling glass by steam distillation. Steam distillation does not prevent polymerization, but the compound so formed is not explosive therefore it is quite a different thing. Likewise when dipropargyl is allowed to stand and polymerize in contact with water the polymer is not explosive. This polymer, as well as the other, is insoluble in any reagent I have found.

I have not been able to make many derivatives of it. Strong sulphuric acid changes it weaker acid makes an insoluble amorphous products with some ketone of peppermint-like odor. Carefully added to bromine forms a stable hexabromide, the tetraiodide is unstable. The mercury salts double compounds of this are very stable, the ammoniacal cuprous chloride precipitate keeps well, but it is different to get the proper condition to make it (the books to the contrary notwithstanding).

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., Sc. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA.

Feb. 18, 1922.

Dr. E. P. Kohler.

If you prefer 200 grams at one let me know, but if you wish to continue a number of experiments with the substance I would advise sending for it as you need it for the reason evident above. As I am constantly working with it, it would be no inconvenience to send specimens as often as you need it.

I have found that when mixed with ether I was able to keep it several months without polymerization, but it is not easy to separate from the ether. When mixed with absolute alcohol it deposits a snow-white solid in the course of a few days, put filtered precipitate on a radiator and when the paper is dry and temperature is 70°C., there will be a nice little explosion without tearing up the paper.

Please let me know when you want it.

Sincerely yours,

JAN: PM

AMERICAN CHEMICAL SOCIETY.

Division of Organic Chemistry.

Executive Committee,
H. T. Clarke, Chairman.
F. C. Whitmore, Secretary.
W. L. Evans.
Roger Adams.
J. B. Conant.

Northwestern University.
Evanston, Illinois.
Feb 20, 1922.

Professor J. A. Nieuwland,
Notre Dame, Ind.

Dear Sir:

A campaign is being planned to interest a larger number of the younger organic chemists of the country in the activities of the Organic Division of the A.C.S.

I wonder if you would be willing to help in this campaign to the extent of having your secretary send me a list of the names of graduate students who are doing research in organic chemistry in your Department.

Thanking you for any help you can give in this matter, I am

Very truly yours

Frank C. Whitmore

Frank C. Whitmore, Secretary,
Organic Division.

H. H. Engle
L. Rumbaut

Dr. J. H. French
Flourent
Reichert

H. Haffman
E. O'H

AMERICAN CHEMICAL SOCIETY.
Division of Organic Chemistry.

Executive Committee.
H. T. Clarke, Chairman
Frank C. Whitmore, Secretary
Wm. Lloyd Evans
Roger Adams
James B. Conant.

Northwestern University
Evanston, Illinois
Feb 20, 1932.

Dear Sir:

The next meeting of the American Chemical Society will be held in Birmingham, Alabama, April 4 to 7, 1932.

The titles of all papers to be presented must be in the hands of the secretary of the Division not later than March 15th.

Each title should be accompanied by an abstract of about one hundred words.

It is especially important that all abstracts should be submitted with the titles of papers as the Organic Division is making an effort this year to give its members a special service, and your fullest cooperation is earnestly requested. It is believed that interest in the meetings and discussion of the papers will be increased by supplying the members with abstracts of the papers before their presentation. We propose, therefore, to mimeograph all abstracts received by March 15th and send a complete set to each member of the Division before the date of the Meeting.

In view of the fact that it is already required by the Division that abstracts must be submitted before the presentation of papers, the new service will merely mean the preparation of the abstracts a few days earlier than usual.

The secretary of the Division will be glad to hear from members as to their expectations of attending the Meeting. He will also be glad to receive the annual divisional contribution of one dollar. It is not expected that the new abstract service will necessitate any increase in the amount of this contribution as more of the members will undoubtedly contribute than formerly when members who were unable to attend the meetings lost all touch with the activities of the Division.

Very truly yours

Frank C. Whitmore, Secretary,
Organic Division.

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., Sc. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA.

Feb. 22, 1922.

Dr. Frank C. Whitmore,
Northwestern University,
Evanston, Illinois.

My dear Dr. Whitmore:

In reply to your letter of Feb. 20th, I give herewith a list of our graduate students and their subjects. I may say that we are very much interested in the organic division of the A.C.S. Everyone of these students, even the seniors and some juniors, are already members of the local Section of the American Chemical Society.

Sincerely yours,

P.S.

List

The following names are candidates for Master of Science's degree:-

1. Wenzke, Harmon, graduate Ohio State University?
Thesis subject: "Aromatic Catalytic Condensation of Acetylene"
2. Rumbaut, Lawrence, graduate Rochester University.
Thesis subject: "Catalytic Preparation of Hexamethylene from Elementary Gases"
3. Sister M. Elorentine, graduate St. Mary's College, Notre Dame, Indiana.
Thesis subject: "The Literature of Acetylene Compounds"

Feb. 22, 1922,

Dr. Whitmore.

to date not because of lack of interest. However, I must confess that I have been unable even to persuade him to be a member of the A.C.S. He attended few meetings of our local Chemical Club. If you can in any way interest him, I will take my hat off to you. He is just a clever consociable genius.

Hoping this answer your queries in full, I beg to remain.

Yours sincerely,

JAN:PM

NOTRE DAME, INDIANA, Feb. 22, 1922.

Dr. Whitmore.

The following names are candidates for Doctor's degree:-

1. Sister Mary Lucretia, graduate St. Mary's College, Notre Dame, Indiana. M.S. Pharmacy, University of N.D. Thesis subject: "Catalytic Preparation of Oxalic Acid from Acetylene"

2. Reichert, Joseph, graduate ~~Minnesota University~~ of Minnesota. Graduate Miami University, research work: Gas Warfare C.W.S. Thesis subject: "Acetals An Aromatic Condensation Product of Acetylene"

Besides these there are a number of students intending to do graduate work that have been attending summer school at Notre Dame, but so far either have not or have only partly worked off regular attendance during the year, a requirement we insist on. We are not counting those in as we have no assurance as yet that they will be able to do their work in course for credit.

I might include here an under graduate student who will be a candidate for Master's degree next year, Harry Hoffman, B.S. in Chem., Notre Dame, June, 1922. Thesis: "Mercury Organic Compound"

Ott Edward candidate for B.S., Notre Dame, June 1922. Thesis: "New Aliphatic Mercury Compound"

I am not sure that Mr. Ott will continue for graduate degree.

Mr. Wenzke has found a very fertile field of work. His Master's thesis resulted in producing dye intermediates that are new and he has signified his intention to continue his work for the PH.D.

Inasmuch as the purport of your plan is to interest research students in chemistry I might suggest the name of a very able and clever investigator who received his Doctor's degree here last year and whose thesis I am sending you under separate cover on "The Role of Mercury Salts in the Catalytic Transformation of Acetylene into Acetaldehyde, and a new Commercial Process for the Manufacture of Paraldehyde". He was an assistant in our Organic Dept. last year. Discontinued work on account of his health but holds a research scholarship here. He has not done any work

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
WASHINGTON

ECONOMIC AND SYSTEMATIC BOTANY

February 23, 1922.

Professor J. A. Nieuwland,
University of Notre Dame,
Notre Dame, Ind.

Dear Sir:

In 1888 (Pittonia 1: 218) Greene described an Erigeron sonnei, based on a specimen collected by C. F. Sonne on ^{the} western slope of the Washoe Mountains, Nevada, 22 July 1888. This plant is evidently closely related to a small group of two or three species centering around Erigeron nevadensis Gray. I have not been able to identify it satisfactorily from the somewhat brief description. Would it be possible for you to loan me for examination a head and a basal leaf from the type in the Greene Herbarium?

Sincerely yours,

S. F. Blake

Assistant Botanist.

SFB/HT

Feb. 24, 1922.

Dr. Homer D. House,
State Museum,
Albany, N. Y.

My dear Dr. House:

I noticed that in the New York State Museum Bulletin you have recorded HYPOGON VERTICILLATUM as new combination. I took up this matter in The American Midland Naturalist, page 177, Vol. III, and found out that it is not so. I took the trouble to look up again in Rafinesque's "Florula Ludoviciana", page 148, and found that the oldest name was HYPOGON VERTICILLARE. Rafinesque himself made the combination HYPOGON VERTICILLATUM in 1817, but this is not the oldest name. You will see the whole matter in The Midland, C. L.

It is worth while noting that if MESADENIA is taken as segregated from Cacalia it happens to be a synonym. This I am also taking up in The Midland. I propose the name Adinomesa. I may also mention that we have between my library and that of Dr. Greene's, both now at Notre Dame, we have a good collection of Rafinesque's works. I am no longer especially interested in botany as I have gone to chemistry and should you wish to see any of Rafinesque's work I could lend you this which I am sure you can find many and interesting Rafinesque's segregation. I would be glad to send you any of his works that we have for study. There are a great many genera which he has proposed in which you will probably find a number of new combinations worthy of note.

Sincerely yours,

JAN:PM

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., SC. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA, Feb. 22, 1922.

Mr. H. W. Matheson,
Can. Elec. Products Co.,
Montreal, Canada.

My dear Mr. Matheson:

I noted in your last letter that you wish the dipropargyl process outlined and I have been trying to get out at this for the last two or three weeks without effect. I have not forgotten it, however, have just simply too busy with routine work

ARTHUR MICHAEL
THEODORE WILLIAM RICHARDS
ELMER PETER KOHLER
GEORGE SHARP RAYMER
GREGORY PAUL BAXTER, Chairman
LAWRENCE JOSEPH HENDERSON
ARTHUR BECKET LAMB, Director
GEORGE SHANNON FORBES
GRINNELL JONES
JAMES BRYANT CONANT
NORRIS FOLGER HALL

HARVARD UNIVERSITY

DIVISION OF CHEMISTRY

Cambridge 38, Massachusetts, U.S.A.

February 28, 1922

Professor J. A. Nieuwland
Dean of the University of Notre Dame
Notre Dame, Indiana

My dear Professor Nieuwland:

The specimens of dipropargyl
have just come in good shape. I want to thank you both
for the specimens and for the excellent directions con-
tained in your letter. I intend to try to close the
chain to a six membered ring and shall let you know
about the results of my efforts later.

Sincerely yours,

E. P. Kohler

K/C

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., SC. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA, March 4, 1922.

Prof. E. P. Kohler,
Harvard University,
Cambridge, Mass.

My dear Prof. Kohler:

I received your letter today and I am interested in noting that you intend attaching the so-called dipropargyl to a six-sided ridge. I thought it might be interesting for you to know that the hydrocarbon forms a compound with sodium metal easily with the evolution of heat. No gas appears to be given off and the brown solid is formed....whether this is a polymer or not I have not been able to find as yet, since we only carried this reaction recently....as no hydrogen is given off in the reaction. It may be polymerization action or the hydrogen may be used up combining with part of the rest of the hydrocarbon.

The resulting substance seems rather unstable. When neutralize with acids, a solid appears and some sweet smelling compound is also present. This may mean very little to you perhaps, but I thought this might be of interest to you since you speak of ringing up a compound of sodium derivatives, might be possibly of use.

I have not tried Greenyard's reaction but I notice that they have Greenyard's acetylene compound now. Why not dipropargyl reaction? Of course I use the word dipropargyl as a name for it though I do not believe it to be such. I believe I mentioned to you in my last letter that I have more reason to think it divinylacetylene than anything else I can make it to correspond with.

Kindly let me know when you want your next consignment.

Sincerely yours,

March 4, 1922.

Prof. E. P. Kohler,
Harvard University,
Cambridge, Mass.

My dear Prof. Kohler:

I received your letter today and I am interested in noting that you intend attaching the so-called dipropargyl to a six-sided ridge. I thought it might be interesting for you to know that the hydrocarbon forms a compound with sodium metal easily with the evolution of heat. No gas appears to be given off and the brown solid is formed....Whether this is a polymer or not I have not been able to find as yet, since we only carried this reaction recently....as no hydrogen is given off in the reaction. It may be polymerization action or the hydrogen may be used up combining with part of the rest of the hydrocarbon.

The resulting substance seems rather unstable. When neutralized with acids, a solid appears and some sweet smelling compound is also present. This may mean very little to you perhaps, but I thought this might be of interest to you since you speak of ringing up a compound of sodium derivatives, might be possibly of use.

I have not tried Greenyard's reaction but I notice that they have Greenyard's acetylene compound now. Why not dipropargyl reaction? Of course I use the word dipropargyl as a name for it though I do not believe it to be such. I believe I mentioned to you in my last letter that I have more reason to think it divinylacetylene than anything else I can make it to correspond with.

Kindly let me know when you want your next consignment.

Sincerely yours,

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., Sc. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA, March 4, 1922.

Prof. E. P. Kohler.
Harvard University,
Cambridge, Mass.

My dear Prof. Kohler:

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My dear Prof. Kohler:

I received your letter today and I am interested in noting that you intend attaching the so-called dipropargyl to a six-sided ring. I thought it might be interesting for you to know that the hydrocarbon forms a compound with sodium metal easily with the evolution of heat. No gas appears to be given off and the brown solid is formed, whether this is a polymer or not, I have not been able to find as yet, since we only carried this reaction recently, as ~~no~~ hydrogen is given off in reaction. It may be polymerization action or the hydrogen may be used up combining with part of the rest of the hydrocarbon.

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Kindly let me know when you want your next consignment.

Sincerely yours,

JAN: PM

BIOLOGICAL LABORATORY
WASHINGTON & JEFFERSON COLLEGE
WASHINGTON, PA.

Dec. 8. 1922

Dear Dr. Menzies:

Dr. M. C. Cleveland states he has received
no reprints of his article "The Birds of Washington County"
published recently in the Naturalist.

Will you please send me these, as well as the
100 extra of my own reprints of my last article which I
ordered. Thanking you.

Dr. J. A. Grier

My dear Dr. Grier:

I think you misunderstood my last letter explaining about
the reprints. We sent you 550 reprints of which we only charged for
450.

BIOLOGICAL LABORATORY
WASHINGTON & JEFFERSON COLLEGE
WASHINGTON, PA.

Mar. 14, 1922

Dear Dr. Newland:

Yours of the 11th at hand. We did not count the returns, so will take your word, and regret you have been caused any inconvenience.

I thought you might be able to get up Prof. McCallum's article in reprint form like Mueller's, but if you can not, please send him the usual no. of copies you allow. He asked me to handle this for him.

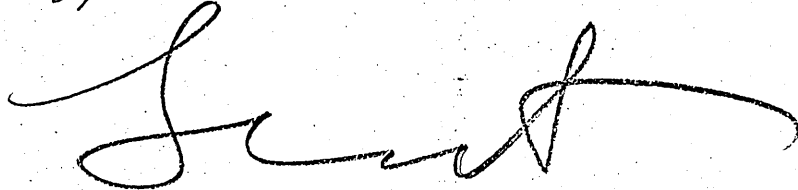
Cordially in answer.

Dr. J. H. Sear

P.S.

Please send me 5 copies of the number containing Dr. McCallum's article for our herbarium.

J. H. Sear



RECEIVED

MAR 20 1922

DEPT. - BOTANY - N. D. U.

Walker Museum
University of Chicago
March 16, 1922.

Dr. J.A. Nieuwland
University of Notre Dame
Notre Dame, Ind.

My dear Sir:-

I have occasionally wondered if it would be within the limits of courtesy to offer a few suggestions regarding possibilities for the improvement and enlarging of the American Midland Naturalist. I make them primarily because I am much interested in your magazine, and think there is a field for it much greater than that which it now occupies.

As it is organized and conducted, the Midland Naturalist covers somewhat the field occupied by the old American Naturalist, before it was acquired by the Science Press. It affords a medium of publication for papers on a wide variety of the natural sciences, in contrast with the modern specialized publications. There is a distinct advantage in that- an advantage that is now almost unique.

There are, however, some decided disadvantages. These are sufficient to prevent many authors from desiring to publish with the magazine, or to subscribe to it. The principal of these disadvantages are:-

1. very limited circulation.
2. lack of editorial assistants, to help you pass on papers.
3. Occasional careless make-up.
4. Irregular publication. (minor point)

The first point has ~~an~~ an important place. Descriptions of species, etc. should have a wide circulation - certainly not less than 1,000. The second is largely a cause for the fourth, I suppose, and perhaps for the third. Certainly additions would take a load of work from your shoulders. Number three is important. Occasionally some really serious errors slip by. Plates are not always well printed. In tables, etc., alignment is often very irregular, all of which stand out prominently in the paper. In view of present conditions in printing, the fourth is not of great importance.

Against these disadvantages stand the following:

1. Your magazine covers a wide field.
2. You give excellent editing, from the standpoint of English. In that, I think, you stand out most favorably.
3. *liberal policy with regard to separates.*

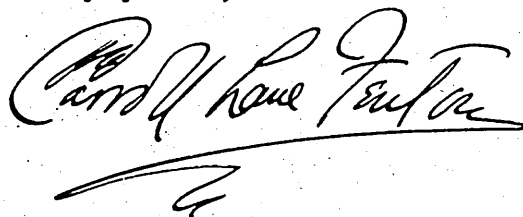
Would it not be possible to plan some additions to your staff, solicit a few manuscripts of quality equal to the best of those which you have published, enlarge your number somewhat, and put a special amount of care into the make-up? With such an issue as a lever, you might then propose further exchanges, and also ask for subscriptions. In view of the present high costs of everything, a well made magazine, somewhat larger than yours has been in the past, should command a rate of at least \$2.00 per year. Colleges and libraries should afford a considerable number of cash subscriptions, thus defraying some of the additional expense.

One college, Dennison, has for some years maintained a very high-grade scientific publication, to which the foremost scientists of the country have contributed. In fact, it is through its "Bulletin" that Dennison is widely known; the mention of the institution *almost* invariably calls to mind the publication. Is there any fundamental reason why the Midland Naturalist should not do as well? There would, of course, be growth stages, but I'm inclined to think that they would be rapid ones.

I have an additional thought on revenue- in fact, two of them. Your policy of providing 100 separates is so generous that there is no necessity for supplying authors with the magazine free. And at \$2.00 per year, every author would be a probable subscriber. In the second place, a circulation of 1000 or thereabouts should bring in a good many purchasers for back files of the magazine.

I may say that I've expressed these ideas to various of my acquaintances here, and they've agreed to all or most of them.

Very truly yours,

A handwritten signature in cursive script, reading "Carroll Lane Fenton". The signature is written in dark ink and is positioned below the typed name "Carroll Lane Fenton".

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., SC. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA, March 22, 1922.

Mr. Carroll Lane Fenton,
Walker Museum, Univ. of Chicago,
Chicago, Illinois.

My dear Mr. Fenton:

I am very much pleased to have your valuable suggestions regarding the possibilities for the improvement and enlargement of "The American Midland Naturalist". These suggestions are very instructive and wise, and my only hope is that I could put them into practice without delay.

Yes, I acknowledge the disadvantages which you have pointed out so clearly. I had in mind long ago to get an assistant who knows how to handle this particular work very efficiently. But The American Midland Naturalist is wholly dependent for financial support out of the meager income of the University---the University of Notre Dame is not an endowed institution---and therefore it has no reserved fund from which to draw the salary for this assistant. For this reason I could not do anything to improve it.

This scientific magazine is published primarily for exchanges and it does not depend upon subscribers, however, we always welcome them as they come in. Now that the Journal is becoming known throughout the land and it is being referred to by many prominent writers, and a world-wide demand for it is at hand, such suggestions which you have so kindly presented are, indeed, very appropriate for its further development. But in order to effectuate them it would be necessary to have either a reserved fund for the Midland or some worthy individual who is willing to consecrate his services for the upliftment of The American Midland Naturalist without remuneration, then and only then we can solve the problem and make the magazine one of the foremost scientific periodicals in America.

Thanking you for your courteous suggestions, I am,

Yours sincerely,

P.S.

I would like to hear some suggestions concerning the idea of putting associate editors whose names are to appear in the editorial page of the Midland, ~~and other staffs, if necessary~~, of course I count your name as one of these if you are willing to help us without remuneration. At present I have in mind four good men who are available ~~for staffs~~, and are pursuing different scientific courses. They are here at Notre Dame.

PURDUE UNIVERSITY

LAFAYETTE, INDIANA

DEPARTMENT OF CHEMISTRY

March 25, 1922.

Professor J. A. Nieuwland,
University of Notre Dame,
Notre Dame, Ind.

My dear Dr. Nieuwland:

I was delighted to receive the reprint of your very interesting paper on mercury and acetylene, which you so kindly sent me. You have an exceedingly interesting and useful field for your work and I shall confidently look for many more important discoveries coming from your laboratory.

I wonder if I shall not see you and others of your school at Birmingham next month. The meeting gives promise of being very successful. I hope that either there or on some other occasion I shall have the pleasure of renewing my acquaintance with the friends that I met for the first time when I was at Notre Dame. I shall long remember my visit there with unqualified pleasure. Perhaps we shall see you at Purdue in the future.

Yours sincerely,

Edward G. Mahan

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., SC. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA, March 26, 1922.

Miss. E. M. Terry,
University of Chicago,
Chicago, Illinois.

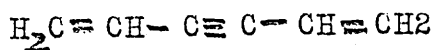
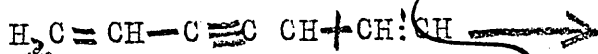
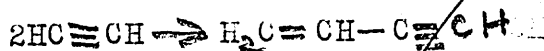
My dear Miss. Terry:

Thank you for your encouraging letter. The paraldehyde has not as yet brought in anything definite as to remuneration. The Canadian Electro Products Co. thought it best to secure patent after publication of the article, though I was assured by them last summer that it was in no consequence. Whatever return we get in a way of money it has been used to buy magazine sets. We have so far secured from the proceeds of Paraldehyde patent enough to buy 6 or 7 magazines mostly German. We have secured Liebigs Physikalische Zeitschrift, Angewandte Chemie, etc.

I should have long published a process for the preparation of vinylacetylene and divinylacetylene, dipropargyl, etc. from acetylene, catalytic polymerization. Mr. Matheson insists on holding it up because he thinks the process may be of commercial importance and the patent may be obtained. I have worked over two years on it and find the substance is too reactive to do anything with, or even to keep it. I have sent some of this specimen to various places to experiment with. Do you know of anyone at the University that would know what to do with divinylacetylene? I should be glad to send someone with full direction for use or for keeping it. We have made quite a lot of it but we do not know what to do with it, except some few simple derivatives or less easily formed reaction.

~~W. H. Catalytic~~

Reactions



You will not find it in Beilstein.

Sincerely yours,

Walker Museum
Univ. of Chicago
Mar. 29, 1922.

Dr. J. A. Nieuwland
Univ. of Notre Dame
Notre Dame, Ind.

My dear Dr. Nieuwland:-

Am pleased to know that my suggestions seem to you to be of value, and with you, I hope that they may be carried out promptly. An unruly appendix, which must be removed this week, prevents me from consulting several people here whom I should like to talk with, but I can at least furnish you with the information and ideas that I now have.

It seems to me that it would be well to select the men whom you desire on your editorial staff, and write them of your wish. This letter should state (1) your plans for improvement of the magazine (2) the reason why you are applying to them, and (3) their duties, and the fact that a salary is out of the question. As I see it, these editors should pass on all manuscripts coming under their authority, confer as necessary with authors, and until the new regime is fully established, handle all page proof. At the same time they might make it their business to solicit manuscripts of high quality, until the magazine becomes established.

They will, of course, spend money on postage. I should think that the letter-writing itself would not be a heavy job, and that anyone sufficiently interested in the magazine to do editorial work would donate the few dollars per year that he'd spend for stamps. That, however, would be a matter for you to settle with the various people.

As to selection of men: While there are certain big advantages to the selection of young men, like myself, it will also be important that you secure some 'big' men - people whose names will carry weight with the scientific public. You may put those men on for prestige only, but they must be put on at the start, at least. Why not ask Dr. Oberholser to handle ornithology, and someone at the Bureau of Am. Ethnology to take anthropology & archeology? I'll try to secure someone for general geology, if you wish. *If Oberholser doesn't appeal to you - he's a hair-splitter, he's told - write Dr. Lynds Jones, Oberlin College, Oberlin, Ohio, and tell him what you need. He's our leading authority on mid-west ornithology, and a fine, obliging man. He's loaded with work himself, but might be able to help you locate a man.*

I shall deem it an honor to act as associate editor for paleontology, and shall be glad to assist in all ways possible, - without salary, of course.

Now as to finances. Why not form an organization with the ~~new~~ name "Notre Dame Scientific Association", or if you wish to be less ponderous, the "Midland Naturalist Society". Make the dues \$2.00 or thereabouts per year to associates; \$5.00 to full members. Let all funds over and above necessary expenses be turned over for the financial support of the magazine, and have that support as the sole, or principal function of the society. Those members paying \$2.00 will simply be giving that much yearly to the magazine; those paying the larger sum will ~~be~~ receive the magazine and at the same time be contributing an extra \$2.00 to its support. This is essentially the plan pursued by the Dennison Univ. people, and has the active support of their students and graduates. Unless I am mistaken, you will have the only Catholic-issued scientific magazine in the country, which should entitle you to support from other schools, and from all Catholic scientists.

One other thing; the size of your page should be increased, so that the type covers a space about $4\frac{1}{4} \times 8$ (see the Scientific Monthly for a good example), for that space will economize on cuts. At the same time, the larger page will fit better where species descriptions, etc., are given, and I'm inclined to think that it will be in the long run a saving. I think I've mentioned that the plate stock should be improved considerably. The letter-press stock doesn't matter so much, yet an improvement there might help a lot in making an impression. And impressions count for a good deal at a start.

The clerical work at the beginning would, of course, be considerable, but after the first few issues it should slow down considerably. The Journal of Geology, published here, gets only part time - an I'm told that it's a very small part - of one clerk

It seems to me that you'll have to restrict your field to natural history, exclusive of mineralogy, mining and kindred geology, petrography etc., and at the same time avoid ethnology. There are numerous and adequate journals for these fields. Somewhat the same applies to ornithology, yet the practical importance of the subject, and its popularity warrants an exception. On the other hand, the paleontologist, the mammalogist, and to a considerable extent, the geneticist, is hard put to find a medium of publication. I think the paleontologist is the worst off of the lot; there's not a single magazine in the continent in which his work can get more than an incidental place. *Don't know anything about conditions in Italy.*

I should think that, by splitting the work up enough, you could avoid much extra expense for clerical work. The summer vacation should allow time for getting the new project well under weigh, and by October you should be going full blast. I should favor suspension of publication until the new series can be started. Begin the first number of a new volume with the best you can put out; send out not less than 1,000 copies with requests for exchange and subscriptions, and carry exchange advs. with other magazines - Science, Am. Jour. Sci., Scientific Monthly, American Naturalist, the ornithological and zoological magazines, and English magazines. And have mss. on hand for at least 3 issues ahead before you get out your first new issue. A magazine that can come out promptly these days will be a delightful novelty. That's why I advocate the securing of advance Ma.

Sincerely,

Carroll Rame Fenton

When you get going ^{might} write Father James I. Shannon, ~~then~~ St. Louis Univ. and see what he can do to help out financially. I've known him some time, and think he'd be glad to cooperate in any way possible. If you adopt the plan of a sustaining society he might help to get members.

LAW OFFICES
811 LINCOLN BUILDING
PHILADELPHIA

EDWARD P. GALLAGHER

March 29th, 1922.

The Rev J. A. Nieuwlandt, C.S.C.

Notre Dame, Ind.

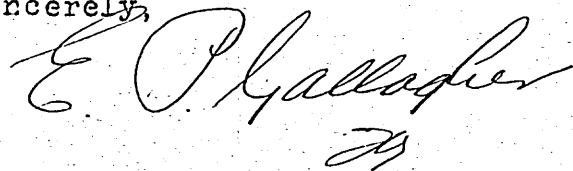
Dear Father:

By this mail I am also sending you the book, Oil Analysis, by Augustus Gill, eighth revised edition, Lippincott Co., Publishers, which is the book you inquired about. I could not find it in my office but after receiving your last letter I looked for it at home and found it among some of my books. I hope that the delay will not have caused you any inconvenience.

The weather has set in to be a little warmer than spring, in fact, yesterday was real summer weather and it reminds us that it will not be long, with the help of the Lord, until we will be packing our duds and move to Sea Isle City, where we count that among the pleasures of the season that we shall have you to be one of the household. Don't forget, that this is not an invitation to come but a real expectation that you shall be there.

Everybody is well and join in sending their best wishes to you.

Sincerely,



EPG:TA

FEDERATION APPROVED BY POPE XI

Dal Vaticano, April 1, '22

Secreteria Di Stato,
Di Sua Santita,
No. 1710,
Del Citarsi Nella Risposta.

Dear Sir:

The Holy Father learns with great pleasure of the good that with approval of the Hierarchy, is being done for Catholic youth at the various Newman Halls situated near the large secular universities.

His Holiness cordially thanks the members of the Federation of College Catholic Clubs for the expression of their filial devotion and imparts to them the Apostolic Benediction.

Wishing you, dear sir, and all the members every grace and blessing, I remain

Faithfully yours in Christ,

V. C. GASPARRI.

President,
Federation of College Catholic Clubs,
3743 Spruce Street, Office of Field Secretary,
Philadelphia, Pa.

Membership

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Adelphi College
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Boston University
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Club)
Mass. Agricultural College
Mass. Institute of Technology
Princeton University
Rensselaer Polytechnic Institute
University of Vermont
A. KEMPIS CLUB
Framingham Normal School
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of Boston
COLUMBIAN CLUB
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Women's Medical
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3743 Spruce St., Phila., Pa.

OFFICIAL PUBLICATION

The Newman Quarterly
Editor in Chief
Joseph A. Reilly
3743 Spruce Street, Philadelphia, Pa.
Business Manager
James P. Pigott
3743 Spruce Street, Philadelphia, Pa.

Federation of College Catholic Clubs

ORGANIZED 1915

Philadelphia, Pa.
February 7, 1924.

Dear Catholic:

The biggest job before the Catholic Church in America now is the salvation, protection and care of the Catholic students in the non-Catholic institutions of higher learning of our land. Seventy (70,000) thousand and more of them have been annually neglected, while the Church was quite occupied with help for the foreign fields.

Now the policy is, - AMERICA FIRST - to save and protect these educated Catholic men and women who are to be the leaders of the world in the America of tomorrow.

The Federation of C.C.C., organized in the East, seven years ago, began with this policy of organizing these Catholic students, bringing the Church and Chaplains to them and placed its machinery at the use of the Church. The Late Cardinal Farley became patron of Federation. The recognition of Rome is enclosed.

Federation has 70 affiliated clubs and in the last two years has organized students in over 60 places and these 60 clubs are about to be affiliated, and over 300 centers are being reached from my office.

Will you not send me a donation for this work that Federation is accomplishing? Be generous. If you can spare little, then at least send a dollar and you will receive quarterly a copy of our great magazine, the NEWMAN QUARTERLY, which is sent from my office to these students.

In Christ sincerely yours,

REV. JOHN W. KEOGH
3743 Spruce Street,
Philadelphia, Pa.

THE NEWMAN QUARTERLY

3743 SPRUCE STREET

PHILADELPHIA

.....agrees to subscribe to advertisement for.....page for.....issue at \$.....

NEWMAN CLUB

.....
Per.....

ST. BEDE'S CHAPLAINCY AT U. OF P.
3741 SPRUCE STREET
PHILADELPHIA, PA.



Robert A. Greene
In Newland

Mr. Edward Lee Greene,

~~U. S. National Museum,~~

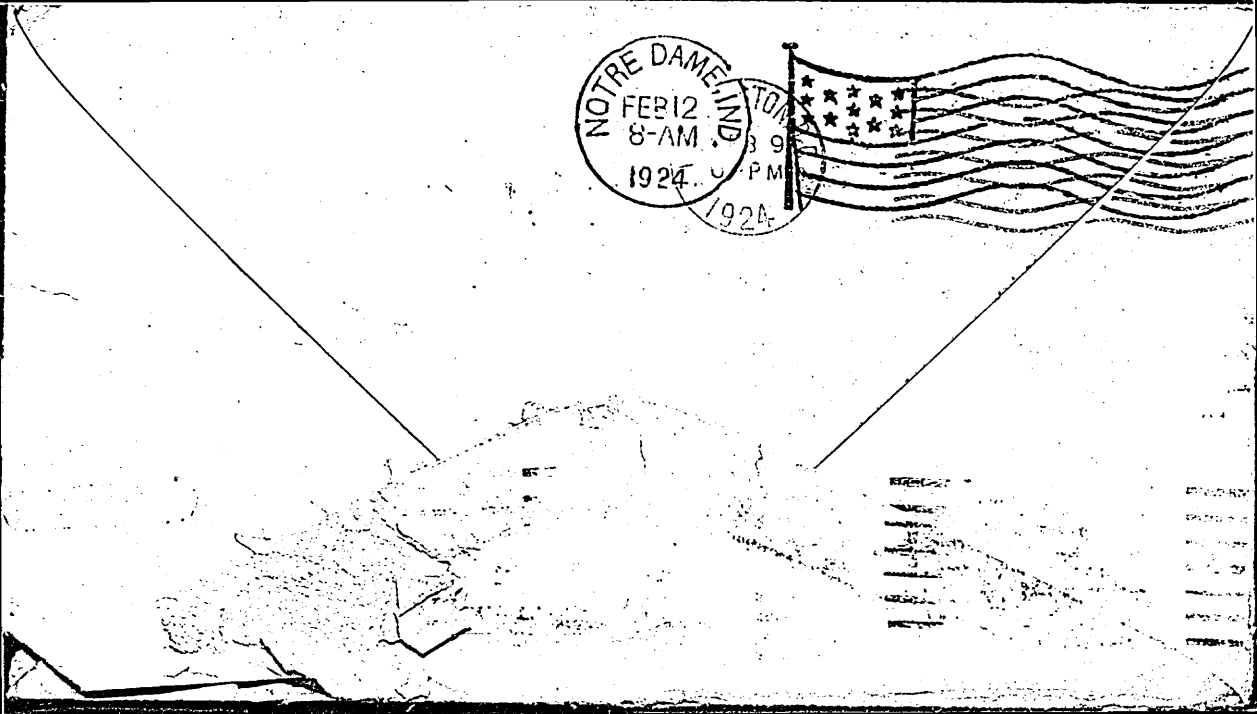
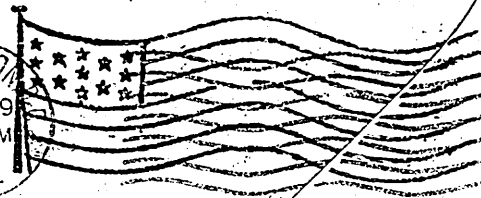
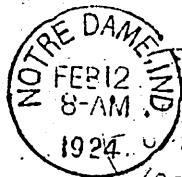
~~Washington, D. C.~~

Dept. of Botany

Notre Dame University

Notre Dame

Indiana



April 3rd, 1922.

Dr. J. A. McFarland
Notre Dame,

Dear Sir:-

Richard has asked
me to write you and
explain his not being
able to discuss this
matter of the patent
just at present. He is
confined to his bed
with an attack of flu

which we expect him
to soon be able to
overcome,

Sincerely
Wilma Alice Vogt.

DEPAUW UNIVERSITY
DEPARTMENT OF BIOLOGY
GREENCASTLE, INDIANA

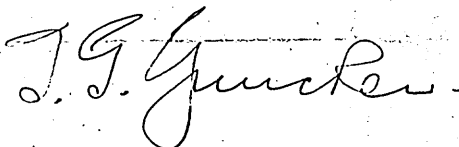
April 6, 1922.

Dr. J. A. Nieuwland,
Notre Dame, Indiana.

Dear Doctor Nieuwland:

I am interested at present in the Convolvulaceae of Indiana, exclusive of the dodders and am wondering if it would be possible to secure the loan of the specimens in your herbarium there at the University for study. I assure you that the privilege of this loan would be appreciated.

Very sincerely,

A handwritten signature in cursive script, reading "T.G. Yuncker".

(T.G. Yuncker) Prof. of Botany.

Chicago Osteopathic Hospital
5200 Ellis Ave.
Chicago
4/10/22

My dear Dr. Nicolson:-

Am extremely sorry that my illnend spratw prevented me from seeing you. Your telegram however, did not reach me until the day after your arrival in Chicago; and I was safely stowed away at the time.

Have you been able to get any results from your hopes for expansion of the A. M. N. ? & then any thing further that I can do ? I shall be out of here by Friday or Saturday of this week, and able to write letters, & perhaps, to see people.

Sincerely,

Carroll Lane Foster
C

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., SC. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA, April 28, 1922.

Mr. William E. Safford,
U.S. Dept. of Agriculture,
Washington, D.C.

My dear Mr. Safford:

Fahter Burns gave me to understand that the Department, or the Smithsonian has finally decided to print a second volume of Landmarks, by Dr. Greene. If this is true, and should I be of any assistance in any way, please let me know.

We have been wondering just what would be done with the manuscripts or the works after they are finished with it. Inasmuch as we are collecting all the Greene's manuscripts that we can get we should be very glad to have these, if there is no further use for it after publication.

Sincerely yours,

Clinton, Md. Jan-1922

Rev. Mr. J. A. Kiewland

Notre Dame, Ind.

Dear Doctor Kiewland:

Yours of the 30th ult. duly came, and I hasten to thank you ever so much for kindly accepting *Ariseema* for publication. At the same time please accept my best wishes for a happy New Year with thanks for your kindness in the past.

Many thanks also for the Separates, which I started to distribute immediately, and I have been told that the contents pleased my friends in the Dept. of Agriculture, so much indeed that a friend requested me to furnish 50 copies for distribution to the Congress and some Senators!

I enjoyed reading your letter about the grouch from some grouchers. If I receive letters relative to this article I shall send you copies of course, since I know you are just as much interested in the matter as I am myself.

Otherwise no news, and hoping you are well believe me to be

cordially yours,

Thos. Slater

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., SC. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA, May 9, 1922.

Mr. C. P. Sherwin,
Fordham University,
Fordham, New York.
Professor C. P. Sherwin,
University of Fordham,
Fordham, New York.

My dear Mr. Sherwin:

My dear Professor Sherwin:

Regarding your request for references I may say
as follows:

Mr. Lawrence Rambaut finishes his course for Master
of Science at the University. He graduated at Rochester.
I find him a very good student, energetic and well-informed.
He is particularly adept in organic chemistry in which
subject he is, to my mind, particularly qualified to teach.
I am sure you will find him everything that you expect.

Concerning Mr. Call I am sorry to say that I prefer
not to recommend him for teaching work. He just slipped
through the course of B. S. here and I informed him myself
that he was getting his degree on condition that he would
never bother me for a recommendation. I hope he would
not continue his chemistry work as he is more qualified for
business career.

Sincerely yours,

JAN/PM



EUROPEAN PLAN



~~DES MOINES, IOWA~~

Cleveland Ohio.

May 20, 1922

Dr. Newland
Univ. of Notre Dame
South Bend, Ind.

Dear Dr. Newland! —

Have not achieved
home port yet but shall
be there in a few days.

I looked at that
bottle of dipropargyle
and a lot of it has
polymerized. It has
turned yellow, probably
due to the solubility in
the liquid of the polymer.
If you hear a

loud Explosion you
may expect me back
soon as I have turned
the bottle in your direct-
ion and expect the
velocity attained by the
Explosion to give me
a range of at least
South Bend. Should I
land in the lake, I can
swim.

That day at Notre
Dame still remains
as a very pleasant mem-
ory.

Very sincerely,

Benj. V. Bush
Eastman Kodak Co.
Synthetic organics.

The American Midland Naturalist

UNIVERSITY OF NOTRE DAME

J. A. NIEUWLAND, C. S. C., PH. D., SC. D., EDITOR

NOTRE DAME, INDIANA,

May 23, 1922.

Dear Sir:

You are cordially invited to attend a meeting of the Northern Section of the American Chemical Society which will take place on May 24th at 8: P.M. at Chemistry Hall, University of N.D.

Mr. Carl S. Miner of the Miner Laboratories, Chicago, Ill., is the principal speaker of the evening and his subject is on "Commercial Laboratories". Mr. Miner comes to us highly recommended by the Chicago Section. Mr. Cavanaugh of the Studebaker Corporation is also to speak.

Sincerely yours,

J.A. Nieuwland, C.S.C.

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., SC. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA, May 26, 1922.

Rev. Father Burns, C.S.C.,
Notre Dame, Indiana.

My dear Father Burns:

I am enclosing a letter from Monsignor Pozzi which explains itself. I have enjoyed the courtesy of Monsignor Pozzi while I was at Sea Isle City and I do not mind telling you that I would be glad to go myself as he is a kind and good man in a beautiful and wonderful location for anyone that wants a good vacation. I wish I could go myself with your permission, but I have too much work in the summer school at just that time he asks for help.

Bethany, Nebraska
5-31-1922

Dr. J. A. Nieuwland
Notre Dame

Dear Doctor:-

(2 vols.)

Send a set of Greene - Leaflets of
Botanical Observation and Criticisms to University
of Minnesota as per enclosed label which please
paste on the package as it has the official order
number. An enclosed postal note when sent, how,
prepaid, postage, etc., in order that I may properly
bill my correspondent. Yours truly,

T. J. Fitzpatrick

I am enclosing check, \$5 10, the price you
have heretofore charged me.

Walker Museum
University of Chicago
May 31, 1922.

Dr. J.A. Nieuwland
University of Notre Dame
Notre Dame, Ind.

My dear Dr. Nieuwland:-

How are the plans for a reorganization of the American Midland Naturalist coming? I've been so very busy that I've had little time to write, and have done virtually nothing. Hope that next year I shall be a bit less crowded.

It might be worth your while to get in touch with M.J. Ahern, S.J., president of Canisius College, Buffalo, N.Y. He is a geologist, and from the few dealings I have had with him, I should say that he's a very energetic man, and remarkably prompt in correspondence.

Can you send me 1 dozen each of the last 3 issues of the Am. Midland Naturalist? I should like to have them in order to send the book reviews to the publishers. They should arrive within 10 days if I am to send them out, for we leave Chicago on June 14th. After that date my address, until mid-September, will be 103 California Street, Waterloo, Ia. My address next school year will be Department of Geology, University of Michigan, Ann Arbor, Mich. Better transfer the Midland Naturalist to that address now; it will be held until I arrive in the fall.

Very truly yours,

Com H Lane Smith

*send
midland*



ADDRESS
YOUR MAIL
TO
STREET AND
NUMBER



THIS SIDE OF CARD IS FOR ADDRESS

Prof. Julius A. Newland
Res. Lab. Univ. of Notre Dame,
Notre Dame, Ind.

The Journal of Industrial and Engineering Chemistry
OFFICE OF THE EDITOR: 810 Eighteenth St., N. W., Washington, D. C.

We have received your manuscript on:

*Catalytic Synthesis of
Hexamethylenetetramine*

This will be carefully reviewed and you will be promptly notified of our decision.

Thanking you for submitting this material, I am

Sincerely yours,

H. E. HOWE, Editor

Date: *6/13/22*

F

FORDHAM UNIVERSITY
FORDHAM
NEW YORK

PRESIDENT'S OFFICE

July 13, 1922.

Reverend J. A. Nieuwland, C.S.C.,
University of Notre Dame,
Notre Dame, Indiana.

Dear Father Nieuwland:

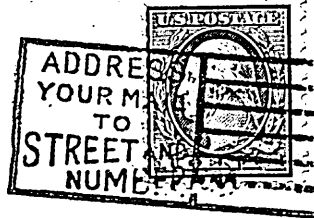
I feel that you have every reason to be incensed at the fact that the letter which you intended as confidential, should have been referred to in the conversation which some one in the department of Chemistry here had with Mr. Call.

Your letter came to my notice this morning when I returned to the city and I hasten to make what reparation I can by way of apology for the abuse of your confidence. I shall call the matter to the attention of the Head of the department and request that a reprimand be given the guilty party.

You may rest assured, dear Father that any communication addressed to me will be fully respected as confidential.

Sincerely yours in Christ,

E. J. Dineen
President



Professor Julius A. Nieuwland,
Research Laboratory,
University of Notre Dame,
Notre Dame,
Indiana.

Jan., 1921—1000 acceptance notice

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY

CHEMICAL LABORATORY OF HARVARD COLLEGE
CAMBRIDGE 38, MASS.

DEAR SIR:

Your revised paper entitled Note-- Catalytic

Synthesis of Hexamethylenetetramine

Sept.

has been accepted for publication, and will probably appear in the.....
number of the Journal. You should receive galley proof before the 20th of the
month prior to the date of publication. Paged proof is not sent to authors..

For the convenience of the Editor in correcting errors, please return the manu-
script when you return the proof.

ARTHUR B. LAMB, *Editor.*



Sehr geehrter Herr!

11. AUG. 1922

Bei der Nacharbeit für den „Frost“
komme ich wieder an die Lücke, die durch das
Fehlen des Midland Naturalist gebildet wird.
Ich bitte Sie daher, mir von Band V. Nr. 2 an
weder Ihre Zeitschrift zum Revisieren zu senden.

Das Repertorium will ich im Tenische senden, aber
nicht mit 4 Bänden, sondern 2 Bänden Zusollag. Ich hoffe, Sie werden
daranmit einverstanden sein. Ich möchte immer wieder beiner-
ken, dass ich das Herausgabe der Repertorien ohne jeden
Geldverdienst betreibe in dem es mir jetzt gelungen ist, trotz
einer genau hundertmal so großen Stückpreises Band XVIII
der Repertorien in Band XI-XVI der Dichtungen zu richten.

Ihr ganz ergebener
F. v. S.

1
8 N
14

Postcard

Mr Prof. J. A. Newland

Notre Dame, Indiana

University

Mon Grand 18. February 9
Verhanden by David T. A. 1.

Print 9/29/22

Handwritten note: I will be glad to

W. J. A.

Handwritten note: I will be glad to
I will be glad to
I will be glad to

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., SC. D.,

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA.

Sept. 14, 1922.

Prof. Reid. E. Emmet,
John Hopkins University,
Baltimore, Md.

My dear Prof. Emmet:

I am sending you under separate cover two small bottles of diphenylethane and include herewith direction for making the same as copied from Dr. Reichert's thesis.

One of the specimens is the first sample made by me several years ago and seems to be a a little turbid. This is due to the fact that all the substance we prepared in these hydrocarbon series from acetylene appear to have a small amount of some impurity that gives the hydrocarbons a florescence. This appeared in my specimen and left the turbidity. The other is Dr. Reichert but lately prepared. I would advise redistilling the old one, at least, it would not be suppressed if florescence reappeared in redistillation because I think it is an oxidation product joined from the mercury catalyst.

Dr. Reichert expects to make some more of the diphenylethane for me Matheson later on and if you don't succeed very well with the process, please let me know and I shall get him to send you some. You will find the boiling point in Bilstein is 296*.

Hoping you succeed in doing what you want with it, I beg to remain,

Sincerely yours,

PM: JAN

A regular meeting of the local Section of the American Chemical Society will be held Friday, Sept. 29, at the offices of the Studebaker Corp. Plant 2, at 8 P.M.

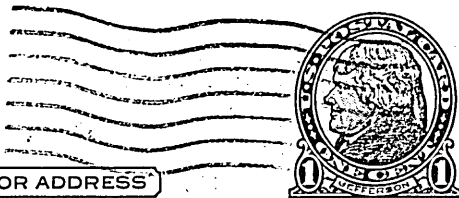
Through the courtesy of the Studebaker Corp., Prof. A.H. White, head of the Chem. Eng. Dept. of the University of Michigan, will be the speaker for the evening. His subject is "Muscle Shoals". During the war, Prof. White was a director in the Nitrate Division and was actively engaged in the Muscle Shoals project.

A dinner will be served in the Dining Room of Plant 2 at 6:30 P.M. at \$1.25 per plate. Please make your reservations with the Sec'y. before Sept. 28.

This meeting should be of unusual interest to all.

V.C. BIDLACK, Sec'y.

O'Brien Varnish Company



THIS SIDE OF CARD IS FOR ADDRESS

Res. J. A. Newland,
Notre Dame University,
Notre Dame,
Ind.

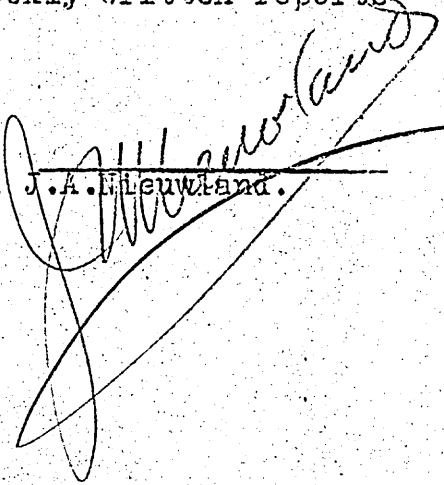
For the University
of Notre Dame

University of Notre Dame
DEPARTMENT OF CHEMISTRY

NOTRE DAME, INDIANA

Sept. 22, 1922.

Students, graduate and undergraduate, working on their
theses are requested to make bi-weekly written reports
on this work.


J.A. Newland.

The American Midland Naturalist,

UNIVERSITY OF NOTRE DAME

J. A. NIEWLAND, C. S. C., PH. D., SC. D., EDITOR

NOTRE DAME, INDIANA,

Sept. 26, 1922.

Miss. Adele L. Grant,
211 Wilson Ave.,
Syracuse, N.Y.

My dear Miss. Grant:

It will be perfectly convenient to have you and Dr. Newlon come to examine the Greene Herbarium specimens next Monday, Oct. second. I shall be at Science Hall early in the morning or in Chemistry Hall in the afternoon. In any case you will have a very little trouble in locating me at Notre Dame as I shall be expecting you.

Very Sincerely yours

Syracuse, Sept 28.

My dear Dr. Niemiwland

Thank you for your note which came today. Dr Newlon and I reach South Bend Monday night so we won't be at your office until Tuesday morning. Dr Newlon expects to stay two days but it will probably take four or five days to finish the work I want to do.

Cordially yours
(Mrs) Adele Lewis Grant.



Dr. J. A. Meinwald

Notre Dame University

Notre Dame

Indiana

Science Hall

Sept. 28th 1922.

Rev. Father Kelley, C.S.C.,
Holy Cross College,
Brookland, D. C.

My dear Father Kelley:

After examining the Greene effects I made a complete invoice which was handed to Father Burns at the time and should be in your possession. Kindly look over your files, or I might suggest in the place where the Greene things are.

We have here in boxes fourteen thousand odd plants. These were sent here at my suggestion to be poisoned some years ago. Permission of the administrator was obtained at the time, because of that the whole collection will be ruined if not poisoned. All these 17 boxes were, after the poisoning, immediately sealed up and stored away in the basement of Science Hall and as far as my knowledge goes have not been opened ever since.

They can be sent on at the moment's notice when the administrator requires it. As soon as I made my investigation of the Greene Collection which was in Mr. William's possession, I handed the report over to Father Burns. My invoice was complete to the smallest item.

It should be in your files somewhere in Washington in the form of 4 to 5 small note-books, red leather cover. I cannot help you any further in this matter as I do not know what Father Burns did with them after I handed them over to him.

The plants which were sent here to be poisoned later numbered to be exact 14,483.

Very sincerely yours,

NORTHWESTERN UNIVERSITY
COLLEGE OF LIBERAL ARTS
EVANSTON, ILLINOIS

Sept. 28, 1932.

Dr. J. W. Nieuwland,
Department of Chemistry,
University of Notre Dame,
Notre Dame, Ind.

My dear Dr. Nieuwland:-

I will be glad to come down to Notre Dame the third Wednesday of October, which as I figure out is the 18th. So far as subject is concerned, it will be something on arsenic. If you will give me a little idea of the character of the audience from your section, I will be better able to formulate something which I think will be acceptable. Are they mostly academic or industrial, youthful or ancient?

Regarding the divinyl acetylene, I do not know in what quantities you make this so I am not sure whether a request for 50 g. is extortionate or not, at any rate, 50 or 100 g. ought to be sufficient for considerable preliminary study on the possibility of arsenating this interesting compound.

We are just completing our new research laboratory and will get into it about October 10th. In the meantime, I am in the throes of building and unable to do any experimental work. I am wondering, therefore, if I might profit by your kind offer on or about that date.

I will certainly be glad to see you in your lair and would like to have you give me some idea about train service, also auto roads if I should decide to drive. Of course I could look these things up but you might know them already and thus save me time.

Very truly yours,



W. Lee Lewis

WLL/RW

P.S. Note that you are sending me
250 g high explosion! Bully!
Lewis

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., SC. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA, Sept. 28, 1922.

Prof. W. L. Lewis,
Northwestern University,
Evanston, Illinois.

My dear Prof. Lewis:

I am sending you under separate cover about 250 grams of divinylacetylene. There is some water mixed with the substance as you will see in the accompanying directions. The polymerized product warmed in presence of water is not dangerous. I have also added a small amount of ammonium chloride and cuprous chloride because the presence of these substances prevents or retards polymerization. I might add, in order to obtain the oil perfectly dry, calcium chloride. ~~Use for drying~~ should not be allowed to remain in contact with it any longer necessary to ~~the~~ hydrate especially in atmosphere of air or oxygen as the product will be contaminated with formaldehyde. By no means allow the substance to remain for any length of time (a month or so) in absence of water as it forms a dangerous solid explosive compounds.

Should it start to gel (about three weeks) throw it away. The boiling point should be between 70° to 80° and perfectly dry but owing to polymerization continuously going on. The boiling point will rise until 115° when it deflects through the condenser, giving off volumes of carbon. One cannot prevent this by blowing steam through the residue at 95°. ~~Some of the products coming over leaving a gel which, when shaken with water frequently at interval of several days, becomes in time a solid insoluble in common reagents composition constitution unknown.~~

If you wish to keep it indefinitely without danger of explosion or decomposition, shake it up with the following mixture:

1 part of ammonium chloride
3 part of cuprous chloride
1 to 3 parts of water

Enough of this mixture must be used to take up all the divinylacetylene without leaving any amount of oil on the surface of the mixture. When this mixture is distilled on an oil bath at a temperature not exceeding 140 degrees C. the divinylacetylene will distill over with some water as pure as when put in.

Hoping you succeed in doing ^{gud} something with it, I beg to remain,

Sincerely yours,

J. A. Nieuwland

The American Midland Naturalist

UNIVERSITY OF NOTRE DAME

J. A. NIEWLAND, C. S. C., PH. D., SC. D., EDITOR

NOTRE DAME, INDIANA, Sept. 28, 1922.

Dr. M.M. Grier,
117 Crawford St.,
Bellevue, Pa.

My dear Dr. Grier:

Your article will appear in the Midland Naturalist on the next issue which will be this coming November.

Regarding the reprints that I sent you last March, we addressed the consignment to you at Brandywine, Pa. If it is lost, I will have to send you several copies of the issue, or as many I can spare.

Thanking for the article, I beg to remain,

Very sincerely yours,

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., SC. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA, Oct. 6, 1922.

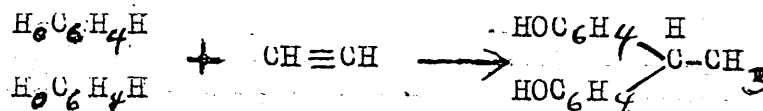
Mr. Carlton Ellis,
92 Greenwood Ave.,
Montclair, N.J.

My dear Mr. Ellis:

The process of the preparation of synthetic resins from phenol and acetylene with or without acetic acid or alcohol was first obtained in our research laboratories ~~to~~ to a certain point and the practical details handed over by cession and by patent right to the Canadian Electro Products Co., at Shawinigan Falls. There had been a considerable ^{improvement} of this method since we handed it over. All of these details we are hardly at liberty to divulge without an understanding with the Canadian Electro Products Co. who took up our patent.

Should you wish more information possibly they might be willing to give you the same.

Briefly, my work on the matter consisted in the treatment of phenol with concentrated sulfuric acid with very small amount of mercury sulphate. This, especially in solution of alcohol, passes into ethylidene diphenol.



In glacial acetic acid, or without solvent, this passes readily into a fusible resin. The other resins were worked out in Shawinigan Falls laboratories, as I understand, with considerable success.

We are now working on other phenolic compounds and obtained similar derivatives of cresol etc. I have not investigated whether it formed a better resin than the phenol. But we have a research student working on the problem now. This principal idea is, however, the securing of new dye intermediates.

Very sincerely yours,

Copy

J. A. Nieuwland

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., SC. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA,

Oct. 10, 1922.

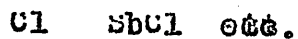
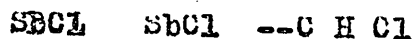
Mr. H. Clarke,
Eastman Kodak Co.,
Rochester, New York.

My dear Mr. Clarke:

I have had a talk with Dr. Connet of Harvard while at Pittsburgh concerning the matter you suggest. I talked this over with Dr. Reichert on my return and we agreed to run the process of preparation of diphenylmethane. The work was given to an undergraduate student for thesis and his duty is to work out condition of the experiment that gives best yields. The boy is not doing very well with it, because he is careless and sloppy and his procedure. He shows a certain lack of interest, we decided, therefore, to set several students at work on it. I may say, however, Dr. Reichert has worked out thoroughly the condition of the experiment that gives best result. The idea in giving it to others to check up is the matter of description of the experiment in such a way so as to obtain a better result.

I feel confident that the direction given by Dr. Reichert is complete and reliable. Now, if you wish to have this for you to check up I shall have him send you the direction immediately and not wait for the students' reports.

We have another process for the preparation of ethylene chloride. Dry and pure ethylene and chlorine are passed simultaneously into anhydrous antimony pentachloride. Both gases are readily dissolved and combined with one another under the influence of the antimony catalyst. Smaller vessels can be used for absorption than in the ordinary method, chlorine being completely absorbed thereby producing no waste. Reaction:



Whenever desired contents of the absorption flask are distilled off and the antimony can be used again indefinitely, unless it is contaminated with ether or sulphur dioxide which destroys the catalyst.

The above process is the best one for the union of acetylene and chlorine to form tetrachloroethane---our patent application, 1904---and with suitable apparatus no explosion results.

Oct. 10, 1922.

Mr. Clarke

The above process is the best one for the union of acetylene and chlorine to form tetrachloroethane (our patent application, 1904.) With suitable apparatus no explosion results.

We have another student working on this process (here again we picked the lemon). Kindly note, however, that I was forced to select students of not very high calibre because the better ones had been selected for original research even as undergraduate, because we have so few graduate students to help in this work.

Very sincerely yours,

JAN:PM

St. Mary's College.

Rev. J. A. Nieuwland, C.S.B.

Dear Father,

Mathematics is all that I
can carry this semester with
my regular work.

Very sincerely

Sister M. Lucretia

Oct. 12, 1922.

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., SC. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA, Oct. 12, 1922.

Mr. J. R. Schramm,
National Research Council,
Mass. Ave.,
Washington, D. C.

My dear Mr. Schramm:

Yours of the 7th inst. was duly received with the enclosed article which you wanted me look over. I find it to be a history of a bug, a rather interesting ecological account, in which the author has taken considerable pains in the study of the variation of flora and fauna thereof. From his description it seems, that the dun habitat, by the removal of sands and lowering so as to introduce water, was changed into a bug. The introduction of different plants and animals during the long period of this change is rather a remarkable phenomenon. The treatment, however, of the subject is anything but scientific in language. He speaks in a very popular, not to say colloquial which puts the reader in a rather antagonistic state of mind, serious scientific way. The author might make a good article of it.

I suggest that if you could have review it

History of above: The author describes the changes in flora and fauna that resulted when a stretch of dune region was in a course of several decades converted into a sphagnum bog. Plants and animals following one another in this variation are mentioned. It is rather a remarkable subject though treated in a popular style.

Oct 12, 1922.

Mr. Cornell L. Fenton,
University of Michigan,
Ann Arbor, Michigan.

My dear Mr. Fenton:

Dr. Norman. M. Grier of Wash. and Jeff. college offered himself to do the work on conchology. We have here at the University two men who will do the work on insects and protozoa. Dr. Albertson will do the former and Rev. Wenninger the latter. Mr. Hussey whom you spoke about has probably another branch in geology, and yourself can take care of paleontology.

This so far is the limit of possible and available assistant editors for these branches and, of course, some of these could take some other subjects.

My idea is to put the names of the assistant editors on the title page and their names and addresses on the second cover-page so that papers may be sent to them for editing. The typography can be improved, because the care of editors will be able to take pains in doing the improvement. The half-tones on better paper will cost no trouble because we formerly took care of this matter. This has been allowed so carelessly because of the fact that the editor did not have time to check up and the printer was left to do the work.

I have a conference with the President of the University regarding the improvement of the Midland and he suggested that I write a paper on botany in botany. But as I have been a number of years away from it, it would seem that if I do so it would be just like an elephant climbing up a tree.

I would welcome any further suggestion for assistant editors, or any plan of the work will be gratefully received, I remain.

Very sincerely yours,

JAN:PM

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., Sc. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA, Oct. 12, 1922.

Mr. Carroll L. Fenton,
University of Michigan,
Ann Arbor, Michigan.

My dear Mr. Fenton:

So far Dr. Norman M. Grier of Wash. and Jeff. College offered himself to do the work on conchology. We have here at the University two men who will do the work on the insects and protozoa, Dr. Albertson will take care of the former and Rev. Wanning the latter. Mr. Hussey whom you spoke of has probably branch on geology and yourself can take care of paleontology.

This so far is the limit of possible and available assistant editors for these branches and, of course, some of these could take some other subjects.

The names of the assistant editors, according to my idea, should appear on the title-page and on the cover

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., Ph. D., Sc. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA, Oct. 31, 1922.

Mr. Geo. B. Holderer,
342 Madison Ave.,
New York City, N.Y.

My dear Mr. Holderer:

Though I have done a certain amount of work with calcium carbide as reagent, both of my experience is with acetylene gas. Of course, I am only interested in both these substances as chemical reagent and carbide has very few reactions, except with water. Acetylene, on the other hand, has wonderful possibilities. I would be very glad, therefore, to discuss any of these subjects with you.

We have quite a number of patents on acetylene chemistry and most of which were taken by the Canadian Electro Products Co, with whom we have an understanding on option. This, of course, would not prevent me in any way of being able to assist you. I should, therefore, be very glad to help you in any way I may be able.

Sincerely yours,

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., Ph.D., Sc. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA, Nov. 2, 1922.

Mr. Charles. I. Parsons,
1709 G St.,
Washington, D.C.

My dear Mr. Parsons:

I am sending you herewith check of fifteen (\$15.00) dollars for the payment of dues to the American Chemical Society for 1923, by check herewith enclosed. Also enter my order for two American Chemical Society pins one of each kind, i.e., 368, 132. Enclosed also vote as per request. We will send the money for pins on demand.

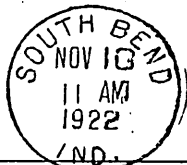
Sincerely yours,

A regular meeting of the Northern Indiana Section of the American Chemical Society will be held at 8 P.M., Nov. 15th in Chemistry Hall at Notre Dame.

Through the courtesy of the Matthews-Krauss Baking Co., Dr. C. B. Morison, Assistant Director of the American Institute of Baking, will speak on "The Chemist and the Baker".

Dr. Morison comes to us highly recommended and spoke to the Chicago Section recently on this subject. All should be interested in hearing him. You are urged to attend this meeting.

V. C. BIDLACK, Secretary
Address: O'Brien Varnish Co.



THIS SIDE OF CARD IS FOR ADDRESS

Rev. J. A. Meinwald
Notre Dame, N.
Notre Dame,
Ind.

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., SC. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA NOV. 14, 1922.

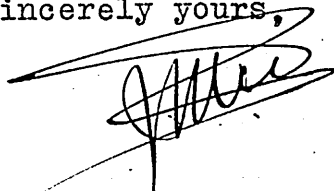
Brig. Gen. Amos. A. Fries,
Chief, Chemical Warfare Service,
War Dept., Washington, D.C.

My dear General Fries:

In reply to your letter, C.W.S. ^{470.6}₂₇₂₈ I might say that Captain Steis was an old student of mine and while chatting over of the old time the points I gave him happened to be discussed by us.

I might add in this connection apropos to the question of lachrimators, "gasses" that W. L. Lewis who worked out the Lewisite discovered by me in 1903, is now having one of his students at work on an arsenic derivative of divinylacetylene. The latter ~~compound~~ was discovered by us two years ago and I am supplying Prof. Lewis with the material for his students to work upon. ~~More or less accurately~~ I found that the action of ~~hydrobromic acid (anhydrous)~~ ^{makes} very strong eye irritant. I am, however, in no position to continue this work inasmuch as my own eyes are now in very bad shape and I must take care of them and not take chances with them. If, however, you wish to do any work on this subject, or have anybody to do so, I will be perfectly willing to supply this new compound, divinylacetylene, for action on hydrobromic acid. I will give the details of procedure to you or to anyone detailed by you to receive them. I have not enough graduate students to work this problem to a finish and hydrobrom-vinylacetylene had to be thrown away as soon as I obtained it. I could not use my laboratory for several days until the fumes have been removed. I was in no way able to work on this compound and test alone, ~~and will not~~ say whether it is ~~any~~ good.

Sincerely yours,



The American Midland Naturalist

J. A. NIEUWLAND, C. S., C., PH. D., SC. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA,

Nov. 15, 1922.

Prof. Arthur B. Lamb,
Che. Lab. of Harvard College,
38 Cambridge, Mass.

My dear Prof. Lamb:

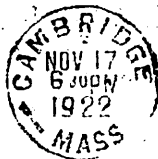
I am sending you herewith from this laboratory a peice of investigation which was carried on for the last four years. This is a laboratory method of making pure oxalic acid and I think it is superior to the old sugar method. As a commerical process it was tried at the Canadian Electro Products Co. and after careful checking up on the expenses it was found that a pound of nitric acid was lost for every pound of oxalic produced, On large scale, therefore, it would pay, though the acid has a very high purity as obtained by simple crystallization 98 $\frac{6}{10}$ %.

I am enclsoing stamps for return in case the paper will not be satisfactory.

Very sincerely yours,

P.S.

All the authors of this paper are members of A.C.S.



Dr. J.A.Nieuwland,

University of Notre Dame,

Notre Dame,

Indiana.

Nov. 1922—500

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY

BOARD OF EDITORS

CAMBRIDGE 38, MASS., November 17, 1922.

DEAR SIR:—

Your manuscript entitled The Preparation of Oxalic

Acid from Acetylene

has been received. I shall write you of the decision of the editors as soon as possible.

ARTHUR B. LAMB, *Editor*.

LAW OFFICES
811 LINCOLN BUILDING
PHILADELPHIA

EDWARD P. GALLAGHER

November 28, 1922.

Rev. J. A. Neiuwland, C. S. C.

Notre Dame, Indiana.

Dear Father:

The first thing you should expect from me in this letter is an apology. This I most graciously accede and humbly beg your pardon and hope you will accept the apology and grant the pardon without asking the reasons why. The reasons are so numerous that it would be a tax on your time and a transgression of every law of good judgment to begin to enumerate them.

There is compensation for it all, however, in knowing that we are still alive and able to battle for better things.

I received the Savage Rifle and the cartridges came some time later. It was entirely too much for you to forward this gun together with the abundance of ammunition, and if there is any time you feel the need of it I sincerely hope that you will not hesitate to ask me to send it to you.

I have not forgotten the andiron and have gone to auction sales a number of times since you left, but while there are always articles of this kind for sale I have not yet seen a pair that strikes my fancy. It may be some time when I shall see a pair that I would care to get for you.

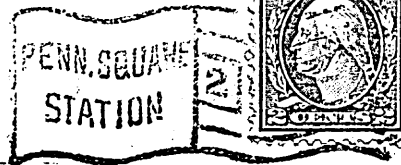
There are some things that I thought to write you about, but I have not the time just now and if I postpone writing it may delay this letter somewhat longer. I shall take up the other matters later.

Give my regards to everybody, and accept the best wishes of all in the Gallagher family for yourself.

Sincerely yours,

E. P. Gallagher
E. P. G.

LAW OFFICES
811 LINCOLN BUILDING
PHILADELPHIA



Rev. J. A. Neiuwland, C. S. C.
Notre Dame, Indiana.

Columbia University
PORTLAND, ORE.

December 5, 1922

Rev. J. A. Newland CSP

Notes Danc Indians

Dear Father Julius:

Pio's letter arrived yesterday and wanted me that the time has been flying by since I received your cheerful letter and that it was high time to answer it.

The address Pio asked for is: Martin F. Lenz Co., Room 805, 29 E. Madison St., Heyworth Bldg. Chicago. Sorry you are having trouble with your watch - mine is as good as ever; but Martin Lenz will fix it up for you - you have met him; he is one of the crowd that were down to see me on the 4th of July. His wife, if you remember, was quite taken up with your library.

I had a letter from Tom a couple weeks ago and he said you had been down to see him the Sunday before he wrote. Would that I could drop in somewhere once in a while for a sample of real home-brew; your beginning to forget what it tastes like. I wrote to the Union quite awhile ago but have not heard from them. Give them all my best wishes when you see them and drink a couple paces for me; - it would take that

much to satisfy us right now.

Pis tells me that you are wearing glasses and that the change has been for the better for you treat every one quite considerately - How about Joe Burke - but show! Pis surely couldn't have included him in the same category as the rest of humanity. Leaving all joking aside I am certainly glad you got glasses for I thought all last year that you were treating your eyes very badly. Have you got nose-glasses or are they fastened over the ears? I hope Clara doesn't tease you too much about them when she is sitting on your lap.

I am enclosing a clipping which I wish you would give to Father Burke and tell him that he can add that to the reasons the Engineering faculty ~~was~~ had for insisting on a review class in the Freshman year. A meditation in the last paragraph wouldn't be bad for those members who thought last year that we were inhuman when we said there were too many distractions for the students.

I understand that you were sentenced to three hours on "bread and water" on Armistice day for forgetting to attend a certain important conference. Too bad I was in hand to remind you of your obligations. But here we are very regular - attend everything we

Columbia University

PORTLAND, ORE.

"Particulars and Visit". It was a little too much, though, when Father Maher told me I ought to attend the "Seminar" or assembly, something similar to one of the literary societies we used to have in the Seminary.

This week we are having the students retreat. A Father Smith, one of the pastors in Portland, is conducting it. He is a very good preacher and has some excellent thoughts, but he is too long winded, something like Fr. Bolger.

Here is a surprise but don't faint. On the second day after the quarterly exams, I had my papers corrected and all my marks made out. What do you think of that?

Everybody here is fine and happy with the exception of Fr. Eugene who is a little bit under the weather today, and Fr. Kellogg. The doctors hold out as hope for him and say it is only a question of how long he will last. One thing is gone with a hole inside of it big enough to hold a baseball and there are several spots on the other lung. His two bad that he is being taken away so soon for Father Frank is a very zealous priest and is loved by all who know him.

Tell Professor Maurer that I think it is about time he was writing to me as he owes me a letter longer than I have owed this letter to you.

With best wishes to my friends at N. D. and in South Bend,
and hoping you won't make us wait as long as I have
make you wait for me, I remain as ever,

Your old friend,

J. H. D. M. H. C. C.

Best regards to Victor and Pio.

The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., Sc. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA, Dec. 9, 1922.

E. R. Robinson,
410 River Street,
Troy, New York.

Gentlemen:

Please ship the following items as described
in your catalog No. 25, item No. 90, to my above
address.

*See me
about this*

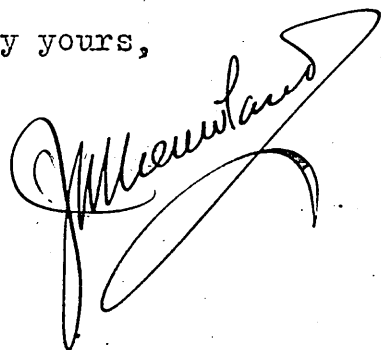
~~90. AMERICAN PERIODICAL. Silliman (B),
editor. The American Journal of Science, vols.
1 to 10, together 10 vols. Dvo hf. sheep, illustr.,
N.Y. and New Haven, 1818-1826. \$20.00.~~

Same, Second series, Vols. 1 to 42,
bound in 33 vols., 8vo hf. sheep, New Haven, 1846-
1866. \$25.00.

Contributions by the leading scientists
of the day.

I will remit the money on receipt of the books,
or you may send the bill advising me that the books
are still available, then will send you the remittance,
I beg to remain,

Sincerely yours,



The American Midland Naturalist

J. A. NIEUWLAND, C. S. C., PH. D., SC. D.

EDITOR

DEAN OF THE FACULTY OF SCIENCE
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA. Dec. 12, 1922.

Mr. A. L. Eckler,
Washington and Jefferson College,
Washington, Penna.

My dear Mr. Eckler:-

was I have not received a word as regards my application that sent in, also the constitution and the key of the society that was mentioned in your letter of Nov. 21st, for which I sent five dollars in check, payable to your Secretary, Mr. Hughes. Kindly let me know as to whether you received the letter or not.

With best wishes for the Holiday Greetings, I beg to remain.

Sincerely yours,

INDIANA UNIVERSITY LIBRARY
BLOOMINGTON, INDIANA

December 16, 1922.

Rev. Paul Foik,
University of Notre Dame,
Notre Dame, Indiana.

My dear Sir:

We are in receipt of a number of publications of "Lotos" Deutscher naturwissenschaftlich medizinischer Verein für Böhmen, Prag. They are not complete volumes in all cases; accordingly we judged they were sent to fill in missing numbers. They do not belong to us, since we have never received these publications before, though they were addressed correctly to Indiana University Library.

We mailed you a post card the other day, that was evidently intended for the University of Notre Dame, though addressed to Indiana University. This post card, I believe, was from the same source these periodicals are from.

If you claim the package, we shall gladly forward them to you. Kindly let us know.

Very truly yours,

Estelle W. Wolf

Reference Librarian.

Dec. 18, 1922.

Mr. E. F. Greene,
Supt. of Schools,
Titusville, Pa.

Dear Sir:-

I take pleasure in testifying as to the personality of Mr. William H. Powers whom I taught the subject of botany during the year 1919-1920. His character is without reproach and I know him to be perfectly honest.

I think him capable of fulfilling any trust committed to him. It is a pleasure for me to recommend his consideration to those desiring to avail themselves of his services.

Sincerely yours,

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Dear Sir:-

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I think him capable of fulfilling any trust comitted to him. It is a pleasure for me to recommend his consideration to those desiring to avail themselves of his services.



*Wishing you a Merry Christmas
and a Happy New Year*

Adele Lewis Grant

(over)

Have been working hard ever since I reached
this place and am only ^{just now} finishing the section
I started on in October. I believe I could never have
done it with any degree of satisfaction at all had
I not been able to see the types of Greene's plants
at Notre Dame. They were of the greatest help. It's
such a polymorphic group. Am not sure that
I can finish by June even, but I am trying very
hard. Dr Newlon is at Ithaca working for Dr.
Bailey. We both certainly appreciated your
kindnesses and your courtesy to us.

With best wishes, Cordially, aunts Lewis Grant



CHRISTMAS
-SEALS
STAMP OUT
TUBERCULOSIS



Dr. J. A. Niemivland

Notre Dame University

Notre Dame

Indiana

Ravenna, Ohio.

December 30, 1922.

Doctor L.A. Nieland.

Notre Dame University.

Notre Dame, Indiana.

My dear Doctor Nieland,

Your letter of the 12th has just been forwarded to me from Washington.

The college was forced to close early because of the water famine from which the city is suffering. Consequently, the authorities urged us to leave as soon as possible, and I did not get in touch with

Mr. Hughes who was ill at the time. However, Dr. Grier has assured

me that the necessary details were to be in the hands of the

Phi Sigma national board.

It will be, therefore, only a matter of a trip to Washington, which I shall take as soon as possible, and try to hasten the action.

You are, of course, to consider yourself a member already, and we feel very highly honored by this fact.

Yours very respectfully.

A. L. Eckler.

President
Phi Sigma

4/K 849

Manuscript,

Box 252,

Iowa City, Ia.

Dec 31-1922

My dear Dr. Kiewland,

I am writing to you again after a period of about sixteen months and I wonder quite a little if you can recall who I am. I presume you can.

You must have considered me perfectly ingrateful to have thrown off your nice offer of help to the extent of about 550\$. The situation I was placed in warranted my hasty exit from Notre Dame. I did not have the 100\$ that I was required to pay before joining. You offered to loan me that money, but then I could not see how it would be possible to return that money in a near future, consequently I left for Purdue. Purdue University requires a nominal tuition fee, which I was in a position to pay & the Y.M.C.A. offered to get me some work. Under these circumstances I joined Purdue. Another reason, which though did not carry much weight, yet helped a little, was the fact, that two of the Indian students I had lived with at N. York had joined Purdue; while at Notre Dame, I knew but none. These in short are the circumstances under which I left Notre Dame; and in consequence whereof have been considered ingrateful. I trust, you will realize the seriousness of my predicament then & would readily overlook my seeming ingratefulness. I was anything but ingrateful.

During all this period, inspite of hardships of diverse nature, I have worked hard; work that brought its own fruitful results. At Purdue I joined as a junior, but within a short time I convinced my professors of possessing a little more ability than that possessed by an average junior. With the permission of Dean Coulter I hurried through the junior course & finished it at the end of the first semester, with grades A+B (one only). With the special permission of the

faculty I was ~~prepared~~ allowed to take up Senior work. This work too, I finished equally creditably, at the close of second semester & was permitted to graduate.

Circumstances brought me to Iowa last summer, and I took up work for a master's degree under Prof. B. Shimek, former exchange professor of Systematic botany at the University of Prague. Although, I will finish scholastic requirements for master's degree in February, but the residence requirement of 1 year cannot be fulfilled, hence I will have to wait another 5 months before being eligible for M.S. My thesis is on the, "Relation of Systematic botany to Oecology".

On taking M.S. in June, I expect to teach for about 2 years, with a view to get some teaching experience, as also to earn some money; which would enable me to study another year for Ph.D. Dr. Shimek has promised to give me an instructors position next fall, if the department gets enough money. This however, is in the hands of the legislature, which meets this winter. I thought I would, also write and enquire of you of any chances to get an instructors position at Notre Dame. I would much rather go to Notre Dame, than any other place. The place has some hidden charm for me. As far as religion is concerned, I find Hinduism more akin to Catholicism than any other branch of Christianity. I think, I may surprise my friends within a next few months or may be only weeks by ~~by~~ ^{by} embracing the cross.

I think, I have written a long letter. You will surely have to waste sometime reading it; but if it helps in convincing you ever so little that I was not and am not, ungrateful, I will be more than

satisfied.

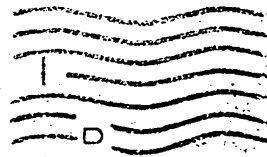
I trust, you will write & tell me of any chances to get an instructorship in botany. The branches I have studied are, morphology (minor for m. s.); advanced physiology & genetics, bacteriology, plant pathology, Systematic botany & ecology (major for m. s.).

Thanking you ever so much for the trouble, I remain,

Very truly yours

H. N. Kathju

Box 252, Iowa City, Ia.



Rev. DR. J. A. Newland

University of Notre Dame

Notre Dame. Ind

BIOLOGICAL LABORATORY
WASHINGTON & JEFFERSON COLLEGE
WASHINGTON, PA.

1922

Several mistakes, corrected in the previous proof, have again been overlooked in the enclosed proof. I refer particularly to the tables, wherein the value of the manuscript, as a scientific contribution lies. I have corrected all mistakes, but in case there is difficulty in following my corrections, enclose the manuscript copy of the tables most concerned. Please return these tables.

A. H. Jones

INDIANA ACADEMY OF SCIENCE

When officially receipted this card will certify that
ANNUAL DUES FOR THE CALENDAR YEAR 19.22 - \$1.00

have been paid

Prof. L. A. Wisconsinland
(Name)

Box 23 Notre Dame
(Postoffice with Street Address)

South Bend, Ind.
(State)

Received Payment,

Treasurer.

For the Treasurer.