



Hunt Institute for Botanical Documentation
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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF INFORMATION
WASHINGTON

August 29, 1947

PUBLICATIONS
PRESS SERVICE
RADIO SERVICE

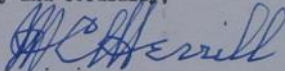
Dr. B. M. Duggar
Lederle Laboratories, Inc.,
Pearl River, New York

Dear Doctor Duggar:

As you will reach your 75th birthday Monday, September 1, I wish to extend most hearty and cordial congratulations and best wishes from Mrs. Merrill and myself for your good health and satisfying enjoyment for that day and all the years ahead. It is with both pleasure and appreciation that I tell you again of my very good fortune in knowing you, studying and working under you, and of being thrilled and inspired by your scientific attainments and educational leadership. My associations with you from the first day I met you at Cornell are indeed a happy memory.

Mrs. Merrill and I would be delighted to have another fine visit with you, and we therefore hopefully and urgently invite you to have dinner with us the next time you are in Washington. Just call me up here at the Department and we can easily make the necessary arrangements for the get-together. So we shall eagerly look forward to that opportunity and hope it won't be long deferred.

Sincerely and cordially,



M. C. Merrill
Chief of Publications

Home address: 6701-2nd St., N.W.
Telephone: Taylor 9425

151 EAST 83RD STREET
NEW YORK 28, N. Y.

P. M. Nov. 16, 1940

Dear Dr. Duggelt, -

Having seen the announcement
in several papers and magazines
of your wonderful discovery, I
want to send to you my heartiest
congratulations and those of
my daughters. It is something

great things to come
and warm greeting
from me and my
family - Gertrude and
Margaret T. Rayboulds -

Sincerely
Jessie M. Gilly

November 16th -

Very wonderful indeed that
you have done for humanity
and a pleasure and honor to
us. Yes, we have been long
ago. You will hardly know the
Pamphlet at Council of Peace.
The book where I lived has been
refused. Off the coast where a little
is being erected - Mr. Hancock has
home repairs, keeping it. I
will many but will be for more

UNIVERSITY OF CALIFORNIA
COLLEGE OF AGRICULTURE
AGRICULTURAL EXPERIMENT STATION

CITRUS EXPERIMENT STATION
DIVISION OF PLANT PATHOLOGY
RIVERSIDE, CALIFORNIA

December 13, 1948

Dr. B. M. Duggar
c/o Lederle Laboratories
Pearl River, New York

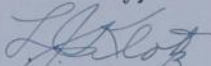
Dear Dr. Duggar:

With a sense of great loss I inform you that our friend, Dr. Howard S. Fawcett, died Sunday, December twelfth, at the Riverside Community Hospital.

There will be no formal funeral, as private services have already been conducted. However, a memorial service will be held at three o'clock Sunday, December nineteenth, in the First Congregational Church at Seventh and Lemon Streets, Riverside. Mrs. Fawcett requests that no flowers be sent.

Kindly notify any friends of Professor Fawcett you may see.

Sincerely,



L. J. Klotz

P.M. Feb 15, 1949

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PENNSYLVANIA HOSPITAL
EIGHTH AND SPRUCE STREETS
PHILADELPHIA
7

AYER CLINICAL LABORATORY
A. REYNOLDS CRANE, M.D., F. A. C. P., DIRECTOR
FRANKLIN K. FITE, M.D., ASSISTANT DIRECTOR
OLIVE D. HOFFMAN, PH. D., M. D., CHEMIST
CARL F. CLANCY, PH. D., BACTERIOLOGIST

SYDNEY R. CLARK, PRESIDENT
MALCOLM LLOYD JR., VICE PRESIDENT
MORRIS CHESTON, VICE PRESIDENT
LAWRENCE J. MORRIS, SECRETARY
JOHN LEWIS EVANS, TREASURER
JOHN N. HATFIELD, ADMINISTRATOR

Dear Dr. Duggar:

I am giving a talk on antibiotics at a staff meeting and am unable to find a suitable illustration for a slide to demonstrate the point of how it is possible to examine thousands of colonies for activity in a relatively simple manner. Would you have a photograph of a plate seeded with a dilution of soil sample and "super-seeded" with a test organism showing rings of antibiotic activity that I might borrow? We have a photographer in the hospital and I could return any print you might have in a few days.

It must give you considerable satisfaction to read of the way in which aureomycin is being received. I was particularly impressed with the results reported by Schoenbach and Byer on its action in cases of primary atypical pneumonia. It has been used only once here, but many people are asking about sensitivity tests.

kindest regards to Dottie Evans.

Sincerely yours,

Carl F. Clancy

HAMILTON HOTEL

JOHN H. AMES, MANAGER

EUROPEAN PLAN

WINTER PARK, FLORIDA

Monday morning -
Dear Ben.

Congratulations on your discovery and perfection of Aureomycin! The story in Time concerning your work is most interesting. How you ever had patience to continue making strains when the number crept up to such a high figure is something only a scientist can explain.

I am most happy that your efforts have been so rewarding to medical science and beneficial to mankind.

You have truly earned this great success which has come to you, and again I offer my congratulations.

For three winters, one type or another of cold or Flu has kept me house bound. This winter I have hardly been out of the house so Charles has

HAMILTON HOTEL

JOHN H. AMES, MANAGER

EUROPEAN PLAN

WINTER PARK, FLORIDA

sent me down here where the
air is warmer so that I can
get out of doors in the sun & shine.

Some of the symptoms of the
last cold however still remain.
(Pain in throat and ears with a
feeling of soreness on one side of throat)

Weather is not too warm to be
unpleasant. During middle of
day it is really warm -

The Dentistons (formerly of H. W. Pottery
dept.) live here winters. Mrs. Dentiston
invited me to come over there this
morning and sun bathe in her
back yard so I shall see what
effect that may have - on a
persistent discomfort in location of
lower right lung - a hairgoose of

the two years ago -

Shall be here two more weeks.
It seems a long time to be away from
home without Charles, but I presume I
should stick it out.

Sincerely
Edna D. Walker

So glad Nancy has a little daughter. She seems very happy about it.

THE UNIVERSITY OF WISCONSIN
DEPARTMENT OF CHEMISTRY
CHEMISTRY BUILDING
MADISON 6

Farrington Daniels

air
Mail



Mrs. Nancy Duggar Adams
5 Spring Glenn Terrace
Hampden 17
Conn.

ans.
9/20/56

ans. 9/20/56

DEPARTMENT OF CHEMISTRY

Dear Mrs. Adams:

Jacksonport Wis
Sept 11, 56.

I want you and the family to know how much we shall all miss Ben Duggar. Through the Walkers, Mrs. Daniels and I knew of his illness a few weeks ago and then of Emily's report of his apparent improvement, - and now the telegram to the Walkers.

I became acquainted with Professor Duggar a quarter of a century ago when we started a joint project on photosynthesis. I was associated with him in this and in other work until he retired. I remember now how disappointed I was when he retired that my application for funds was turned down for a grant to continue his work at the University of Wisconsin. How fortunate this refusal was, for

DEPARTMENT OF CHEMISTRY

if it had come he might not have had the opportunity to achieve a whole new distinguished career after he retired at the age of 70.

Just a year ago we had such a pleasant party with him and Emily's family at the Walkers cottage on the occasion of his 83rd birthday. He told vividly of his work and his visit to Japan.

and again last June at commencement and at the dinner given in his honor it was very gratifying and stimulating to see him so vigorous and so alert. We of the faculty of the University of Wisconsin are very glad that we were able to pay him the homage of an honorary degree before it was too late.

Every one who came in contact with Ben Duggar was impressed with his ability, his achievements and his modesty. Few men have had such distinguished multiple careers in science. We mourn his passing and we are grateful for his accomplishments and his influence.

Sincerely yours

Digitized by the Hunt Institute for Botanical Documentation
Farrington Daniels



ans
9/21/56

Wrong address

Mrs. John F. Adams

~~36 Whitney Court~~

Hamden, Conn.

5 Spring Glen Ter.

THE BROOKLYN INSTITUTE OF ARTS AND SCIENCES
BROOKLYN BOTANIC GARDEN
1000 WASHINGTON AVENUE
BROOKLYN 25, NEW YORK
TELEPHONE: MAIN 2-4433

September 14, 1956

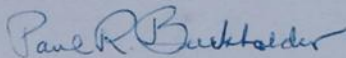
Mrs. John F. Adams
36 Whitney Court
Hamden, Connecticut

Dear Mrs. Adams:

It is difficult to realize that our great good friend, and your father, has passed away. You know of his eminence in the scientific field, and that he was a great teacher. May I tell you that he was also a source of personal inspiration to all of us who had the pleasure of knowing him over the years. His great contributions to knowledge and to the welfare of mankind are a lasting record of his work. They will give deserved immortality, far beyond what most men can ever hope to achieve.

To you and other members of your family come our deep sympathy.

Sincerely,



Paul R. Burkholder
Director of Research

ans
9/22/56

BROOKLYN BOTANIC GARDEN
1000 WASHINGTON AVENUE
BROOKLYN 25, N. Y., U. S. A.



PRAY
FOR
PEACE



Wrong address → Mrs. John F. Adams
~~36 Whitney Court~~ 5 Spring Glen Ter.
Hamden, Connecticut

Burkholder
ans 9/22/56

BROOKLYN BOTANIC GARDEN
BROOKLYN 25, NEW YORK

ans.
9/21/56

OFFICE OF
THE DIRECTOR

September 14, 1956

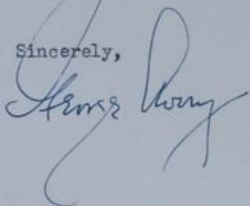
Dear Mrs. Adams:

A number of your father's friends here at the Botanic Garden join me in wanting the Duggar family to know how sad we are to learn of his passing. It has been a very great privilege to know him for the past thirty years.

His impact on science was remarkable, and something that touched us all; but our warm personal affection was above everything else. He was so gentle and so very fine in spirit. These qualities permeated everything he did. I think he never fully realized what deep esteem his friends held him in -- and even if he did his humility was such that he never showed it.

Though your loss and ours is great, we have to recognize that every life must end. Of his we have the happiest memories and know that you all, his children, must share them.

Sincerely,



Mrs. John F. Adams
36 Whitney Court
Hamden, Conn.

*American Association
for the Advancement of Science*

CONSERVATION PROGRAM, YALE UNIVERSITY, NEW HAVEN, CONNECTICUT

OFFICE OF THE PRESIDENT

Sept. 13, 1956

Dear Mrs. Adams -

Please accept my sincere sympathy in the loss of your father. It seems to make no difference how long and full a life a man has led or how peacefully the inevitable comes, his going is a blow to those who love him.

But I know it is a satisfaction to reflect on all that he did by virtue of a priceless combination of energy, character and intelligence. His name was a household word among botanists when I was a student, and remains so yet.

Sincerely yours

Rene B. Jones

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9/20/56

by B.M. Duggan, Jr.

DEDICATION OF DUGGAR HALL
Mississippi State University
October 10, 1959

After receiving a copy from Nancy and Jack of the invitational letter from President Ben Hilbun, Lorraine and I made plans to journey to Mississippi State University. At first, we had a bit of trouble locating the town of State College, Miss., the address given. However, it turned out to be Starkville, Miss., in the northeastern portion of the state. We figured on a day and a half drive for around 700 miles, and so started Thursday morn. Lorraine obtained a substitute teacher for Thurs, Fri, and Monday, and my boss let me off. We arrived Friday aft and drove around the campus and located Duggar Hall. Visited the new brick dorm and met Mrs. Brook, the house-mother. The dorm consists of two 3 floor wings with recreation and study rooms in the center, 260 boys accommodated. Landscaping had not been complete but was underway. The central recreation room was a beautiful large 2-story hall with fireplace and lounge furniture. Could be used for a dance. House-mother has an apt right off this lounge with living room, bedroom and kitchenette. Her job is not to police the dorm but provide hominess and motherliness.

There is only 1 hotel and 1 motel in Starkville and this was parents week-end, so we had to go 18 miles to West Point where there are several good motels and eating spots. The Arkansas football team stayed at our motel too. Fri eve we just got settled, ate and drove around.

Saturday morn after breakfast we drove to the university and registered outside the chapel, receiving name badges, then were ushered to reserved rows in the front of the auditorium. We sat next to widow of Alfred Garner who had taught at "State" 39 years. Program enclosed lists exercises which consumed just an hour. Following procedure outlined in original invitational letter, we headed for our car to go to dorm and discovered a new "parade" car awaiting with big signs "DUGGAR" and "HIGHTOWER" on the sides and a pleasant student driver. Each honored family had a new loaned car assigned with student driver (this was a student project). So we drove in state to dorm where we toured rooms, talked with housemother and met parents, then were driven on a short tour (guided) by our student after which he took us to location of the luncheon.

Luncheon was presented in a private dining room off the student cafeteria and was quite lavish with shrimp cocktails and roast beef and no speakers. However, all were again introduced, honored families, Lt. Governor, Trustees, Building Commission, and those responsible for the doings. About 50 in all. After luncheon we were again driven by students in parade cars into the stadium and disembarked on the 50 yard line at the President's Box. Lorraine and I happened to ride with President and Mrs. Hilbun, who are very nice homey Mississippians. Dr. Hilbun had introduced Dad some years ago when he spoke to the graduating class, and said he used Dad often as a model of the accomplishments possible from humble beginnings in talks to the students. We met one other man who had met Dad years before.

We sat in the second row and watched Mississippi trounce Arkansas 49-14. The sun was hot and we had dressed too warmly in the early morn when it was supposed to have hit 52 (extremely cold for us). After the football game Lorraine and I wandered over to Dairy Bldg store where we got big malts and watched a threatening sky build up. We got back to where our car had been parked that morning just as it was about to pour and decided we better go back to motel before going out for the evening. Got back to motel in a downpour which never let up at all. After sitting in car for some time we dashed in to change our wet clothes, but found the continual torrential rain so discouraging to going out again that we just went to bed early to catch up before starting back early Sunday.

We found many new buildings and much progress at MSU (formerly Miss. State, and before that Miss. A & M). Saw some real old buildings we know Dad must have used. Emphasis is still on agriculture, and a good education at a low cost as possible. We were much impressed with it all, also the friendliness of Mississippians in general.

PHONE, MOHAWK 4-8675

CODE 314-668675

WELLFORD E. DUGGER
4016 SHAW BOULEVARD
SAINT LOUIS, MISSOURI 63110

April 6th, 1966.

Dr. George S. Dugger.
5619 Kentuckey, Ave,
Pittsburgh, Pa.

Dear Dr. Dugger:-

I am enclosing a copy of an item published
by the St. Louis, Globe Democrat December 10th and I thought
you and your sisters might like to have a copy,

Miss. Dorothy Dugger of Atlanta, with whom
I have worked on the Dugger Linage, gave me your address.

Yours very truly,

Wellford E. Dugger.

Profiles In Science

By PATRICK and GETZE
ST. LOUIS GLOBE-DEMOCRAT,
10/5/1963.



BENJAMIN DUGGAR

Many people object to mandatory retirement, since they feel there are many men and women who can make important contributions to society at any age, as long as they are well and enthusiastic.

Benjamin Duggar is a case in point. He was 71 when he was forced by state law to retire from his professorship of botany at the University of Wisconsin. That was in 1943.

But Duggar, though "retired," was not content to sit about recalling the past.

The pharmaceutical division of the American Cyanamide Co., Lederle Laboratories, was then beginning its development of antibiotics, such as penicillin. Several of Duggar's former students worked for the division.

The company, well aware of Duggar's reputation as a "profound and productive scholar," felt that with his 50 years of experience in botany he would be an important addition to their staff. He accepted a position as a consultant.

Duggar's project was the screening of thousands of samples of soil to find molds able to kill disease organisms. It was a long and tedious job, and there were hundreds of disappointing samples analyzed. In 1946, two years after the screening began, a gold-colored mold was found that killed more than 50 harmful organisms.

Its name, Aureomycin, is a combination of the Latin word for gold and the Greek word for fungus.

Aureomycin was the first of the antibiotics that controlled many different kinds of organisms and was the source of many related antibiotics.

Duggar was born in Alabama in 1872 and was graduated from Mississippi State College at Starkville when he was only 19. He received his doctor's degree in botany from Cornell University.

He taught at Radcliffe, Harvard, Cornell, the University of Missouri, the University of Wisconsin and at Washington University in St. Louis. He served at the latter school from 1912 to 1927 and was research professor at Shaw's Garden. The sample of soil in which Aureomycin was found came from the campus of the University of Missouri.

Duggar's scientific curiosity was insatiable. Even after his discovery of Aureomycin he continued to examine soils, hoping to find an even better drug. While on auto trips he would stop along the highway and collect samples of soil which he sent back to his assistants in the Lederle labs at Pearl River, N.Y.

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Laboratory workers said they often got 400 samples from him during a single holiday trip.

Some of his students remember him as a fascinating lecturer, but they also remember that when the time came for class someone often had to go to his lab to remind him of the schedule.

He died in 1956.

Reading: Bacteriology in medicine, the Encyclopedia Britannica.

NEXT WEEK: Count von Zeppelin and the lighter-than-air ship.