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**BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.**

UPTON, L. I., N. Y.
TEL. PATCHOGUE 2600

REFER:

403883

April 9, 1951

File

Dr. N. Edward Tolbert
c/o Commander Task Group 3.1
APO 187 (HOW),
c/o Postmaster
San Francisco, California

OPENNET ENTRY	
<input checked="" type="checkbox"/> Authorized for Public Release	
By: <i>John P. Kowal</i>	Date: <i>7/11/85</i>
Entered in Opennet	Date:
By:	Date:
<input type="checkbox"/> Not Authorized for Public Release	
By:	Date:

Dear Dr. Tolbert:

I regret that I addressed my recent letter concerning operations greenhouse to your brother instead of to you but Dr. Brandt's secretary apparently slipped up.

The reason for my request for plant material showing morphological aberrations are three-fold:

- (1) They have previously been reported from Bikini, Eniwetok and Likiep Atolls - reference:

UWEL-23, Section V - RADIOBIOLOGICAL SURVEY OF BIKINI,
ENIWETOK, AND LIKIEP ATOLS -
JULY-AUGUST 1949
by Applied Fisheries Laboratory
University of Washington

- (2) We have produced various kinds of aberrations experimentally here with both chronic and acute radiation.
- (3) They have been elsewhere reported in the literature.

Specifically you might be on the lookout for (1) tumor-like masses with varying degrees of differentiation, (2) dense clusters of vegetative or floral shoots (they may also be deformed), (3) color changes in vegetative or floral parts. Items (1) and (2) are the most interesting to us. If any of the above are observed, I would appreciate some specimens fixed if possible, or dry specimens are better than none. If neither of these are practical, photographs would be useful. The name of the plants showing the aberrations would be helpful in any case.

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
SINGLE REVIEW AUTHORIZED BY: <i>AA Sinigawa 11/2/84</i>	DETERMINATION (CIRCLE NUMBER(S))
REVIEWER (ADD):	1. CLASSIFICATION RETAINED
NAME: <i>ML Kowal</i>	2. CLASSIFICATION CHANGED TO: _____
DATE: <i>11/16/84</i>	3. CONTAINS NO DOE CLASSIFIED INFO
	4. COORDINATE WITH: _____
	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY): _____

MILITARY RESEARCH & APPL. - 7

Dr. N. Edward Tolbert

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I realize that you do not expect to be in the area too long after the test but thought perhaps something interesting might turn up. Dr. Alan Conger from Oak Ridge might be willing to help with collections if he is in the area.

Yours very truly,



Arnold H. Sparrow
Biology Department

AHS:ia