

OAK RIDGE NATIONAL LABORATORY  
OPERATED BY  
CARBIDE AND CARBON CHEMICALS COMPANY  
A DIVISION OF UNION CARBIDE AND CARBON CORPORATION

404786



POST OFFICE BOX P  
OAK RIDGE, TENN.

June 4, 1953

U. S. Atomic Energy Commission  
Post Office Box E  
Oak Ridge, Tennessee

Attention: Mr. Kenneth Kasschau

Subject: 1954 BIOLOGY RESEARCH CONFERENCE

Gentlemen:

Enclosed are copies of a tentative outline of our proposed 1954 Biology Research Conference. Commission approval is requested for this Conference as soon as possible in order that we may proceed with the arrangements.

We are enclosing additional copies of the program, and request that you forward them to Drs. Plough, Pearson, and Bugher in Washington.

Very truly yours,

OAK RIDGE NATIONAL LABORATORY

Signed - C. E. Larson

C. E. Larson  
Director

FWR:bta  
Enclosures.

cc: C. E. Center  
A. M. Weinberg  
A. Hollander

Dr. Plough  
Dr. Pearson ✓  
Dr. Bugher

BEST COPY AVAILABLE

DOE ARCHIVES

PROPOSED PROGRAM FOR RESEARCH CONFERENCE

Oak Ridge, Tenn., April 1954

GENETIC RECOMBINATION

- First Day
- I. New Mechanisms of Recombination
- Hotchkiss or H. Ephrussi-Taylor -- Bacterial Transformation) A.M.
- Zinder or Lederberg -- Bacterial Transduction )
- Levinthal or Doermann -- Heterozygosis and recombination in bacteriophage ) P.M.
- II. Spontaneous and Induced Recombination
- Lederberg or Newcombe -- Recombination in bacteria ) P.M.
- Stern -- Somatic crossing-over ) A.M.
- Whittinghill -- Effect of X rays on crossing-over )
- Second Day
- III. Recombination in Higher Organisms
- Weinstein -- Theoretical analysis of recombination ) P.M.
- Schwartz -- Sister-strand crossing-over )
- Rhodes -- Recombination in Asynaptic Maize ) A.M.
- Third Day
- IV. Evaluation of Recombination Theories
- Cooper -- ) A.M.
- Darlington -- ) P.M.
- Sturtevant -- )
- Evening Session -- The Oxygen Effect on X-Ray Induced Chromosome Aberrations  
(Recombination vs initial breakage hypothesis)
- Giles --
- Swanson --
- Baker --