

1952

SCIENTIFIC PERSONNEL

Name	Department	University
* William Barkley	Physiology	Cincinnati
* E. L. Becker	Medicine	New York
* Robert Berliner	Medicine	National Heart Inst.
* William D. Blake	Physiology	Yale
* Robert Bowman	Medicine	National Heart Inst.
* Stanley E. Bradley	Medicine	Columbia
J. Wendell Burger	Biology	Trinity
** Betty Danes	Physiology	Iowa State
Earl H. Dearborn	Pharmacology	Johns Hopkins
* Alfred P. Fishman	Medicine	Mt. Sinai Hosp., N. Y.
* Roy P. Forster	Zoology	Dartmouth
Hubert & Mable Frings	Zoology	Penn. State
* Richard M. Hays	Medicine	Columbia
* H. O. Heinemann	Physiology	New York
* Jurg E. Hodler	Physiology	Bern & New York
* Barbara Holmes	Pediatrics	Tulane
* Solomon A. Kaplan	Pediatrics	Cincinnati
Soon Won Kim	Chest Service	Bellevue Hospital, N. Y.
* Willoughby Lathem	Medicine	Columbia
Warren H. Lewis	Anatomy	Wistar Institute
* Preston Lowrance	Medicine	Virginia
* Paul A. Marks	Medicine	Columbia
E. K. Marshall, Jr.	Pharmacology	Johns Hopkins
* Frieda Michaelson	Nursing	New York
J. D. Myers	Medicine	Duke
* Lot Page	Physiology	New York
Ray Rappaport	Zoology	Union
John J. Sayen	Physiology	U. of P.
* David Schachter	Medicine	Columbia
* Bodil Schmidt-Nielsen	Medicine	Cincinnati
James A. Shannon	Medicine	National Heart Inst.
Warner F. Sheldon	Pathology	U. of P.
* Homer W. Smith	Physiology	New York
** Margaret H. D. Smith	Pediatrics	Tulane
* John V. Taggart	Medicine	Columbia
** John G. Torrey	Botany	California
* Edwin Trayner	Medicine	Columbia
* Karlman Wasserman	Physiology	Tulane
J. A. Wheeler	Physics	Princeton
* James G. Westbay	Medicine	New York
** Philip R. White	Oncology	Jackson Mem. Lab.
Charles E. Wilde, Jr.	Pathology	Pennsylvania
** Frederick Wolfgram	Biology	California Inst. of Tech.
Charles G. Zubrod	Med. & Pharm.	Johns Hopkins
*Renal Physiology		
**Tissue Culture		

STAFF

Caretaker: Nelson Mitchell, Salisbury Cove, Maine.

Collector: A. Edwin Clattenburg, Brown University.

Secretaries: Alison Shute, McGill University.

Margaret Shute, New York University.

Co-op Manager: Mary Jean Chapman, University of Maine.

SEMINAR PROGRAM

Evening Seminars

- July 8: J. Wendell Burger, Trinity College.
"The Marine Environment of Mt. Desert Island".
- July 15: Bodil Schmidt-Nielsen, University of Cincinnati.
"Water Conservation in Small Desert Mammals".
- July 22: E. K. Marshall, Jr., Johns Hopkins University
"Chemotherapy Today".
- July 29: Wilbur Doudna, Park Naturalist, Acadia National Park.
"Beautiful Acadia".
- August 5: Charles G. Zubrod, Johns Hopkins University.
"Recent Observations on Diabetes Mellitus".
- August 12: John A. Wheeler, Princeton University.
"The Liquid Drop and the Uranium Nucleus".
- August 19: James A. Shannon, National Heart Institute.
"Advances in the Treatment of Cardiovascular Diseases".
- August 26: Charles C. G. Chaplin, Academy of Natural Sciences, Philadelphia.
"Sea Gardens of the Bahamas", Underwater Kodachrome Movies.

Informal Seminars

- July 11: Roy P. Forster.
"Alterations in Renal Function".
- July 16: W. V. Macfarlane, Professor of Physiology, University of Queensland, Brisbane, Australia.
"Physiological Studies of the Australian Desert Animals".

- July 18: Raymond Rappaport.**
 "Uptake of Water During Development of Amphibian Tissues".
- July 25: Margaret H. D. Smith.**
 "Some Bacteria which are Pathogenic to both Animals and Plants".
- August 4: William D. Blake.**
 "Neural Control of Renal Functions in the Dog".
- August 8: John V. Taggart**
 "Some Aspects of the Energetics of Transport".
- August 15: Solomon A. Kaplan.**
 "Control of Renal Excretion Solutes by the Autonomic Nervous System".
- August 22: Lot Page.**
 "Comments on the Effect of the Autonomic Nervous System on Electrolyte Excretion".
 "Urinary Concentration Mechanisms in the Dog and Seal".

Tissue Culture Seminars

Dr. Philip R. White

- July 9: "Historical Survey".**
- July 11: "General Methods. Plants and Animals".**
- July 15: "Nutrients of Natural Origin. Animal".**
- July 17: "Nutrients of Synthetic Origin. Plant and Animal".**
- July 22: "Problems and Results. Plant".**
- July 24: "Problems and Results. Animal".**

Research Reports: 1952

Excretion in the Lobster, Homarus

J. Wendell Burger
 Trinity College

The extensive literature on nephridial function in the higher Crustacea has dealt largely with osmoregulation; little information exists on the handling of larger organic molecules. Difficulties in securing urine seem to have been an experiment-