

1955

SCIENTIFIC PERSONNEL

Name	Department	Institution
Charlotte C. Barton	Student	Mt. Holyoke
Ernest L. Becker	Medicine	Medical College of Virginia
Ruth Bellairs	Zoology	St. Bartholomew's, London
Fredrik Berlund	Physiology	Boston
Robert W. Berliner	Medicine	National Cancer Institute
Joel E. Berne	Student	Bard
Gerrit Bevelander	Histology	New York
Alfred W. Biggs	Medicine	New York
J. Warren Brown	Student	Harvard
Julius J. Cohen	Physiology	Cincinnati
Bartley Block	Biology	Northwestern
Hans G. Borei	Zoology	Pennsylvania
Saul Boyarsky	Physiology	New York
Stanley E. Bradley	Medicine	Columbia
Elmer D. Bueker	Anatomy	Missouri
J. Wendell Burger	Biology	Trinity
Frederick A. Dodge, Jr.	Student	Pennsylvania
William L. Doyle	Anatomy	Chicago
Alfred P. Fishman	Medicine	Columbia
Roy P. Forster	Zoology	Dartmouth
Hubert & Mable Frings	Zoology	Pennsylvania State
Harry W. Fritts	Medicine	Columbia
Charles Ely	Zoology	Pennsylvania State
Walter J. Gamble	Student	Pennsylvania
Mary Gasseling	Biology	Marquette
R. J. Goldacre		Royal Cancer Hospital, London
Max Hamburg	Anatomy	Albert Einstein
H. O. Heinemann	Physiology	New York
Benjamin B. Kamrin	Anatomy	State U. of New York
David A. Karnofsky	Medicine	Sloan-Kettering Institute
James Lanning	Student	Missouri
Warren H. Lewis	Anatomy	Wistar Institute
H. Franklin Little	Zoology	Pennsylvania State
Sigvar Lybing	Zoology	Pennsylvania-Stockholm
Thomas H. Maren	Pharmacology	American Cyanamid Co.
E. K. Marshall, Jr.	Pharmacology	John Hopkins
Benjamin F. Miller	Medicine	May Institute, Cincinnati
J. D. Myers	Medicine	Pittsburgh
Joan Nichols	Student	Colby Jr. College
Carl Pearman	Student	Missouri
Raymond Rappaport	Biology	Union
Alvin F. Rieck	Physiology	Marquette
Leonard Ross	Anatomy	Alabama
John W. Saunders, Jr.	Biology	Marquette
Lilyan Saunders	Biology	Mount Mary
Wilbur H. Sawyer	Physiology	New York
Richard M. Schisgall	Student	New York
Bodil Schmidt-Nielsen	Zoology	Duke
Knut Schmidt-Nielsen	Zoology	Duke
Richard S. Schneider	Student	St. Louis
Warner F. Sheldon	Pathology	Pennsylvania
Judy Slater	Student	New York
Robert L. Soley	Student	New York
Homer W. Smith	Physiology	New York
Charles E. Wilde, Jr.	Embryology	Pennsylvania
Irving Ziedman	Pathology	Pennsylvania
Charles G. Zubrod	Medicine	National Cancer Institute

STAFF

Caretaker: Nelson Mitchell, Salisbury Cove
Collectors: Robert N. Gurin, Axel E. Jonasson, University of Penn.
Secretary: Jane P. Kushner, Smith College
Co-op Manager: Marilyn White, University of Maine

SEMINAR PROGRAM

Evening Seminars

- July 5 *Bodil Schmidt-Nielsen*, Duke University
"Water, Sahara, and Desert."
- July 12 *Stanley E. Bradley*, Columbia University
"Liver, and the Problem of Regional Circulation".
- July 19 *Hans G. Borei*, University of Pennsylvania
"Respiration of the Sea Urchin Egg."
- July 26 *E. K. Marshall, Jr.*, Johns Hopkins University
"The Revolution in Drug Therapy."
- August 9 *E. Lovell Becker*, Medical College of Virginia
"Life and Adaptation at High Altitude (Peruvian Andes)."
- August 16 *J. P. Scott and J. L. Fuller*, Jackson Memorial Laboratory
"Soma, Psyche, and Society." A Survey of a Research Program.
- August 23 *Knut Schmidt-Nielsen*, Duke University
"Temperature and Water Economy of the Camel".

Informal Seminars

- July 8 Informal meeting of laboratory personnel to discuss the summer work.
- July 15 *R. J. Goldacre*, Royal Cancer Hospital, London
"The Cell Membrane as a Template for the Synthesis of Protein in *Amoeba proteus*."
- July 22 *David A. Karnofsky*, Sloan-Kettering Institute
"Effects of X-Ray on the Chick."
- July 29 *R. J. Goldacre*, Royal Cancer Hospital, London
"Water Uptake by Cells as Revealed by Color Interference Microscopy."

- August 12 *Ruth Bellairs*, St. Bartholomew's Medical College, London
 "Experiments on *Fundulus* Embryos."
 August 19 *Fredrik Berglund*, Boston University
 "Reabsorption of Inorganic Sulfate in the Dog".
 July 29 *J. Wendell Burger*, Trinity College
 Aug. 5 & 13 "Invertebrate Zoology."

Informal Seminars (for Co-op)

- July 9 *Roy P. Forster*, Dartmouth College
 "Why Do Fish Have Kidneys?"
 July 16 *Robert W. Berliner*, National Heart Institute
 "Acid Base Regulation."
 July 23 *Charles E. Wilde, Jr.*, University of Pennsylvania
 "Embryonic Interactions, Cellular and Otherwise."
 July 30 *Irving Zeidman*, University of Pennsylvania
 "Cancer."
 August 6 *Wilbur H. Sawyer*, New York University
 "Water Balance."

Special Symposium

"Protoplasmic Structure and Cellular Transport Mechanisms"

- August 1 *R. J. Goldacre*, Chester Beatty Research Institute, Royal
 Cancer Hospital, London, England
 "Protein Molecules and Active Transport."
 August 2 *Walter Wilbrandt*, University of Bern, Switzerland
 "Carrier Mechanisms in the Transport of Organic
 Compounds."
Roy P. Forster, Dartmouth College
 "In-vitro Transport of Organic Acids."
Wilbur H. Sawyer, New York University
 "The Neurohypophysis and Permeability to Water."
 August 3 *O. C. Jaffee*, University of Arkansas
 "Morphological Aspects of Renal Tubular Resorption."
Ernst G. Huf, Medical College of Virginia
 "Separation of Resting Electrolyte Metabolism from Active
 Transport in Frog Membrane."
Stuart Mudd, University of Pennsylvania
 "Least Common Denominator in Cell Structure,"
 "Logistics of Phage Replication."