FORTY-SEVENTH MEETING
OF THE
Society of American Bacteriologists
Philadelphia, Pennsylvania, May 12th-16th (Inclusive) 1947
Headquarters: Bellevue-Stratford Hotel

The scientific program of the 47th annual meeting of the Society will include reports of research in the various phases of bacteriology. Round table and panel discussions are being arranged and one or more general sessions of wide interest are anticipated. A copy of the program of this meeting will be sent to all members of the Society about May 1st and others who are interested may obtain a copy of the program from the Chairman of the Program Committee on that date. Those who register at the convention will receive a copy of the abstracts of all papers; these will appear also in the Journal of Bacteriology.

Abstracts of all papers to be presented at the meeting should be submitted on the official form and must be received by the Chairman of the Program Committee on or before February 27, 1947.

A partial list of the committees in charge of the meetings is as follows:

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Chairman: J. Foster, University of Texas, Austin, Texas.
Vice-Chairman: M. J. Pickett, University of Louisville, School of Medicine, Louisville, Kentucky.

COMMITTEE ON LOCAL ARRANGEMENTS
Chairman: Harry E. Morton, University of Pennsylvania, School of Medicine, Department of Bacteriology, Philadelphia 4, Pennsylvania.
Vice-Chairman and Treasurer: W. J. Verney, Sharp and Dohme Laboratories, Glenolden, Pennsylvania.

The meetings will be held in the Bellevue-Stratford Hotel. All reservations for hotel rooms should be made as soon as possible through the Society on official forms.
Observations Concerning the Growth and Metabolic Activities of Myxococci in a Simple Protein-free Liquid Medium. Albert E. Oxford

The Egg Yolk Plate Reaction for the Presumptive Diagnosis of Clostridium sporogenes and Certain Species of the Gangrene and Botulinum Groups. L. S. McClung and Ruth Toabe

Ultraviolet Irradiation of Bacteriophage During Intracellular Growth. S. E. Luria and R. Latarjet

The Effects of X-Rays on a Strain of Eberthella typhosa. Thomas H. Grainger, Jr.

Intracellular Bacterioids in the Cockroach (Periplaneta americana Linn.). H. T. Grieb

Shigella Types Encountered in the Mediterranean Area. W. H. Ewing and J. L. Gravatti

Comparative Studies of Enterococci and Escherichia coli as Indices of Pollution. Morris Ostrorenk, Norman Kramer, and Robert C. Cleverdon

Studies on Some Biological Aspects of Dihydrostreptomycin. Richard Donovick and Geoffrey Rake

Practical Media and Control Measures for Producing Highly Toxic Cultures of Clostridium botulinum, Type A. Keith H. Lewis and Edwin V. Hill

The Relation of Natural Variation in Penicillium notatum to the Yield of Penicillin in Surface Culture. Alma J. Whiffen and George M. Savage


Notes:

Salmonella monschau—A New Type. Philip R. Carlquist and Margaret S. Coates

The Production of Apparent Cycles in Bacterial Variation. Werner Braun

The Influence of Pretreating Bacteria with Anionic Agents on the Antibacterial Action of Cationic Germicides. Adrien S. Dubois and Diana D. Dibblee

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Intravenous Infection of the Chick Embryo with Human Tubercle Bacilli: Inhibitory Effects of Streptomycin. Henry F. Lee and Abram Stavisky, Children's Hospital, Philadelphia, Pennsylvania.

A new chick embryo technique was devised which made possible the rapid production of disseminated tuberculous lesions within the parenchymatous organs of chick embryos. The bacteriostatic effects of compounds may be tested in a short period of time in the presence of intact tissues. Studies utilizing streptomycin and certain other chemotherapeutic substances served to demonstrate the validity of the method. Streptomycin prevented the development of histologic evidence of infection in chick embryos intravenously inoculated with tubercle bacilli, but bacilli were recovered upon culturing the tissues.

Reducing the Pyrogenicity of Concentrated Solutions of Proteins. Robert B. Pennell and William E. Smith, Department of Immuno-chemistry, Medical Research Division, Sharp and Dohme Laboratories, Glenolden, Pennsylvania.

The use of Seitz filtration for the removal of pyrogenic substances from solutions of crystalloids and other solutes of comparatively small molecular weight has been common practice. The effectiveness of this procedure for the removal of pyrogens from protein solutions has been slight, however. The treatment of pyrogenic protein solutions with "decalso," an exchange silicate, particularly when used in conjunction with a new type of Seitz pad, Republic filters' K6 and S6 pads, is effective in the reduction, or complete removal, of pyrogenicity from such solutions. The "decalso" itself must receive a pretreatment, e.g., a carbonate wash, for removal of inherent pyrogens before it is used for treating protein solutions. For protein solutions of moderate concentration, 5 to 10 per cent, and low pyrogenicity, 30 grams of "decalso" and 60 sq inches of pad surface per liter of solution treated have been found effective. The amount of "decalso" and the pad surface per unit volume of solution treated increases with the pyrogenicity and the protein concentration of the solution. Except in extreme instances the foregoing considerations result in a procedure which is practical in the routine production of pyrogen-free protein solutions. The time of treatment with "decalso" was not shown to be of extreme importance. Attempts to demonstrate the manner of the pyrogen removal were unsuccessful.

Some Observations on Microbiology in the U.S.S.R. Stuart Mudd, Department of Bacteriology, University of Pennsylvania, Philadelphia 4, Pennsylvania.