

THE TWENTY-FIFTH PRINCETON CONFERENCE PROGRAM

✱ METROPOLITAN SECTION ✱

AMERICAN SOCIETY FOR QUALITY CONTROL

Friday, December 4, 1970

SESSION A. Room B 205

STATISTICAL APPLICATIONS IN THE PHARMACEUTICAL INDUSTRY

Moderator: Dr. Ronald Gauch, Ciba Pharmaceutical Corp.

9:00 a.m. Dr. Charles W. Dunnett, Head, Mathematical Analysis Dept., Lederle Laboratories Pearl River, N.Y.
"STATISTICAL DESIGN OF DRUG SCREENING PROCEDURES"

10:00 a.m. Dr. Robert P. Rathmacher, Head, Statistical Research, Eli Lilly & Co., Indianapolis, Ind.
"EVALUATION OF BLOOD LEVEL CURVES USING PRINCIPAL COMPONENT ANALYSIS"

11:00 a.m. Dr. S. Salsburg, Senior Statistician, Charles Pfizer & Co., Groton, Conn.
"THE JACKKNIFE: BLACK MAGIC OR A STATISTICAL WONDER DRUG?"

SESSION B, Convocation Room

TOPICS IN STATISTICS

Moderator: Prof. J. Stuart Hunter, Princeton University

9:00 a.m. Dr. William E. Strawderman, Statistics Center Rutgers University, New Brunswick, N.J.
"PROPER BAYES MINIMAX ESTIMATES OF MULTIVARIATE NORMAL MEANS"

10:00 a.m. Prof. Geoffrey S. Watson, Chairman, Dept. of Statistics, Princeton, N.J.
"STATISTICAL STUDIES OF SMALL PARTICLES"

11:00 a.m. Mr. Arnold Weiss, Research Statistician, American Cyanamid Co., Stamford, Conn.
"COARSE MEASUREMENT STATISTICS"

LUNCHEON 12:15 p.m.

The Nassau Inn, Palmer Square

Mr. Kenneth H. Walker
Director, Hudson-Delaware Basins Office
Environmental Protection Agency Edison, N.J.

SESSION C. Room B 205

STATISTICAL APPLICATIONS IN THE ELECTRONICS INDUSTRY

Moderator: Alexander Sternberg, RCA Electronic Comp. Div.

2:30 p.m. Pat Fusillo, Senior Engineer, Microwave Devices Operation, RCA Corp., Harrison, N.J.
"THEIR USE OF THE COMPUTER IN QUALITY CONTROL AND RELIABILITY"

3:30 p.m. Dr. Douglass Shaffer, Mathematics Dept., Westinghouse Research Labs. Pittsburg, Penna.
"CAUTIONS IN USING EXTREMAL STATISTICS"

4:40 p.m. Prof. Martin L. Shooman, Electrical Engineering Dept., Polytechnic Institute of Brooklyn, Brooklyn, N.Y.
"COMPUTER PROGRAMS FOR RELIABILITY ANALYSIS AND SIMULATION"

SESSION D, Convocation Room

FITTING MODELS TO TIME SERIES (3 Hour Tutorial Session)

Moderator: Dr. Donald W. Behnken, American Cyanamid Company

2:30 p.m. Speakers:

Prof. David W. Bacon, Queen's University, Chemical Engineering Dept., Kingston, Ontario

Dr. Donald G. Watts, Director, Statistical Consulting Laboratory, University of Wisconsin, Madison, Wisc.,

An interactive three-stage procedure of model identification, parameter estimation and diagnostic checking of the fitted model will be demonstrated in detail on actual case studies which are typical of time series encountered in practice.

The basic problems encountered in modeling will be illustrated. The linear class of mixed autoregressive-moving average models will be described and their utility in representing stationary and non-stationary series will be discussed.

6:00 p.m. BEER AND CIDER SOCIAL HOUR, incl.
Buffet Faculty Lounge

THE TWENTY-FIFTH ANNUAL PRINCETON CONFERENCE



Sponsored by the

AMERICAN SOCIETY FOR QUALITY CONTROL

- * Metropolitan Section
- * Princeton Section

AMERICAN STATISTICAL ASSOCIATION
* Biopharmaceutical Subsection

Friday, DECEMBER 4, 1970

PRINCETON UNIVERSITY
Princeton, New Jersey

The Princeton Conference has been a traditional meeting place for the practitioners of statistical methods and those concerned with their theoretical development. It has afforded an opportunity for a frank interchange of views in an informal and relaxed atmosphere.

In an experimental departure from its usual format resulting from suggestions of past attendees, conference organizers and society members, the conference this year will be held on a single day-Friday. The traditional Beer and Cider evening party has been changed to a Beer and Cider Social hour with a light buffet served for the convenience of the attendees. Also, registration has been simplified to one all encompassing fee (and a lower cost for students to attend the panels). The committee would appreciate receiving comments and suggestions on these changes.

CONFERENCE COMMITTEE

Conference Chairman

WALTER R. YOUNG
Lederle Laboratories
Pearl River, N.Y. 10965
Tel: 914/735-5000, Ext. 3240

Arrangements

HARRY P. HOWARD
RCA - Astro-Electronics
P.O. Box 800
Princeton, N.J. 08540
Tel: 609/448-3400, Ext. 2532

Registration

ARTHUR BLOOMBERG
Rollins Terminals
Second Street
Bayonne, N.J. 07002
Tel: 201/436-5000

Publicity

KHUSHROOBANU I. SKAIKH
Ciba Pharmaceutical Corp.
556 Morris Avenue
Summit, N.J. 07060
Tel: 201/277-7032

FEE:

All-inclusive registration
Full-time Students (meeting only)

Advance	At Conference
\$15	\$16
\$ 3	\$ 5

Program Advisors:

Dr. Donald W. Behnken, American Cyanamid Co., Stamford, Conn.
Dr. Charles W. Donnet, American Cyanamid Co., Pearl River, N.Y.
Mr. Alexander Sternberg, RCA, Corp, Components Div., Harrison, N.J.

Registration: Engineering Quadrangle on Olden Avenue.