

Washington Statistical Society

CHAPTER-AMERICAN STATISTICAL ASSOCIATION

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NEWS LETTER

ANNUAL DINNER MEETING - JANUARY 24, 1955

The Society's annual dinner this year will be a special event in honor of Stuart A. Rice who retired last December from the Office of Statistical Standards, Bureau of the Budget, which he has headed for many years. The dinner will be held in the Ballroom of the National Press Club, corner of 14th and F Streets on Monday, January 24, 1955.

Ralph J. Watkins, Director of Research of Dun and Bradstreet and President of the American Statistical Association, will serve as chairman of the meeting, and Mr. Rice will deliver the principal address, summarizing from the wealth of his experience, what he as a statistician has learned in Washington.

Members of the Washington Statistical Society, their wives, guests and friends of Mr. Rice are all welcome to attend. Dinner will be served at 7:00 p.m. in the Ballroom, 13th floor, National Press Building. Cocktails will be available (not included in price of dinner) in the East Lounge from 6:00 to 7:00. The price of the dinner is \$3.50.

Reservations must be made in advance. Please make them as early as possible. It is necessary to know the number planning to attend by noon on Friday, January 21. Tickets will be mailed to you, or may be picked up at the entrance to the Ballroom before the dinner.

Miss Margaret Martin, Treasurer, W.S.S.
Bureau of the Budget
Executive Office Bldg.
Washington 25, D. C.

Please reserve _____ places for me at the January 24 dinner of the Washington Statistical Society. My check or money order for \$ _____ is enclosed. (\$3.50 per person)

Name _____ Agency _____

Address _____ Business telephone _____
(to which tickets should be mailed)

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NEWS LETTER

January 14, 1955

Don't forget the Society's annual dinner at the Press Club on January 24 in honor of Stuart A. Rice, recently retired from the Budget Bureau's Office of Statistical Standards. To make reservations you may mail me the order form shown at the bottom of last week's Newsletter, together with your check (at \$3.50 per place), or tickets are available at:

Agriculture Building, S.
Room 3054

Commerce Building
Room 3040

Equitable Building
Baltimore, Md., Room 800

Executive Office Building
Room 441

F.O.B. #3
Room 2175

Federal Reserve Building
Room 3208

GAO Building
Room 1089

HEW Building
Room 5028

Interior Building
Room 4543

Internal Revenue Building
Room 1601

Labor Building
Room 6314

National Institute of Health
Building #1, Room 301

Pentagon
Room 1C1039

Glenn L. Burrows
Code 161, ext. 5169

Selma Goldsmith
Code 164, ext. 2233

Benjamin Mandel
Mulberry 5-9040, ext. 438

Margaret Martin
Code 189, ext. 696

Edwin Goldfield
Code 157, ext. 7203

Lorman Trueblood
Code 132, ext. 352

Dorothy Brady
Code 177, ext. 1170

Ida Merriam
Code 176, ext. 4114

Rex Parmelee
Code 181, ext. 3511

Miss Betcher
Code 165, ext. 2186

Walt Simmons
Code 177, ext. 44

Jerome Cornfield
Code 179, ext. 2561

Walter Jacobs
Code 131, ext. 77275

LINEAR PROGRAMMING SYMPOSIUM
January 27, 28, 29, 1955
Washington, D. C.

The National Bureau of Standards and the Directorate of Management Analysis, DCS/Comptroller, USAF, announce a Linear Programming Symposium, sponsored by the Office of Scientific Research of the Air Research and Development Command. The meetings will take place in Washington, D. C., on January 27, 28, 29, 1955. There will be sessions on practical applications, economic theory, computation procedures and the theory of linear inequalities. The meetings are open, and there will be no registration fee. Although advance notice is not required, it is requested that the names of persons planning to attend be sent to: Alan J. Hoffman, Applied Mathematics Division, National Bureau of Standards, Washington 25, D. C. Any other correspondence concerning the Symposium should also be addressed to Dr. Hoffman.

The sessions on January 27 will be held in Room 5A1070 of the Pentagon. Visitors driving cars should park in lanes 51-63 of the North Parking area. Guards within the Pentagon will direct them to Room 5A1070.

The sessions on January 28 and 29 will be held in the Lecture Room in the East Building of the National Bureau of Standards, Connecticut Avenue and Van Ness St., N. W. Signs will direct visitors to the East Building. Tea will be served following the sessions on January 28.

LINEAR PROGRAMMING SYMPOSIUM
January 1955
Washington, D. C.

Thursday, January 27, Rm 5A1070, Pentagon

9:00 AM Address of Welcome

Brig. Gen. Harold Q. Huglin, Director of Management
Analysis, Headquarters, USAF

9:15 AM Session on Applications I

Chairman: Merle M. Andrew, Office of Scientific
Research, Air Research and Development Command

Military Applications of Linear Programming (1 hr.)
Walter Jacobs, Headquarters, USAF

Linear Programming in Bid Evaluation
Leon Gainen, National Bureau of Standards

Linear Programming under Uncertainty: An Example
of a Failure
John M. Danskin, Operations Evaluation Group

The Assembly Line Balancing Problem
Melvin Salveson, General Electric Company

A Commercial Use of Linear Programming
James L. Batchelor, Management Consultant

1:30 PM Session on Computation

Chairman: Max A. Woodbury, Logistics Research Project,
George Washington University

How to Solve a Linear Programming Problem (1 hr.)
Alan J. Hoffman, National Bureau of Standards

Cyclic Projections
Charles B. Tompkins, University of California at
Los Angeles

Reduction of Systems of Linear Relations
Philip Wolfe, Princeton University

Optimizing a Function of Additively Separated Variables
subject to Simple Restrictions
Andrew Vazsonyi, Ramo-Wooldridge Corporation

Some Results in Nonlinear Programming
Robert M. Thrall, University of Michigan

The First Feasible Solution to the Linear Programming
Problem
Saul Gass, Headquarters, USAF

Concepts and Computing Procedures for Certain X_{ij}
Computing Problems
Harry Markowitz, RAND Corporation

Friday, January 28, Lecture Room in East Building, National Bureau
of Standards.

9:00 AM Address of Welcome
Allen V. Astin, Director, National Bureau of Standards

9:15 AM Session on Applications II
Chairman: Franz L. Alt, National Bureau of Standards

Application of Linear Programming to Optical Filter
Design
Alex Orden, Burroughs Corporation

Linear Programming and Structural Design
John Foulkes, Brown University

A Production Smoothing Problem
George B. Dantzig and Selmer Johnson, RAND Corporation

A Model for Optimizing Production by Reference to
Cost Surrogates
Abraham Charnes and William Cooper, Carnegie
Institute of Technology

Programming under Conditions Involving Uncertainty
D. F. Votaw, Jr., Yale University

Stochastic Linear Programming with Applications to
Agricultural Economics
Gerhard Tintner, Iowa State College

1:30 PM Session on Economic Theory

Chairman: Oskar Morgenstern, Princeton University

Linear Programming and Economic Theory (1 hr.)
Paul Samuelson, Massachusetts Institute of Technology

On the Wald Existence Theorem for General Economic
Equilibrium
Harold W. Kuhn, Bryn Mawr College and Princeton
University

The Linear Team: An Example of Linear Programming
under Uncertainty
Roy Radner, Cowles Commission

On Competitive Equilibrium with a Finite Linear
Technology and Dependent Consumer Preferences
Lionel Mackenzie, Duke University

Limitationality and Foreign Trade
Nicholas Georgescu-Roegen, Vanderbilt University

An Activity Analysis Approach to Location
Martin Beckmann, Cowles Commission
Tom Marschak, RAND Corporation

4:45 PM Tea (Room to be announced)

Saturday, January 29, Lecture Room in East Building, National Bureau
of Standards.

9:00 AM Session on Theory of Linear Inequalities

Chairman: Edward W. Cannon, National Bureau of Standards

Linear Inequalities and Convex Polyhedral Sets (1 hr.)
Albert W. Tucker, Princeton University

Consistency Conditions for Finite and Infinite Systems
of Linear Inequalities
Ky Fan, University of Notre Dame and American University

The Probability for the Existence of a Solution of a
System of Linear Inequalities
Theodore S. Motzkin, University of California, at
Los Angeles

Optimal Rays for Linear Programs
Alan J. Goldman, Princeton University

The Multi-dimensional Transportation Problem
Emil Schell, Ford Motor Company

The Present Status of the Traveling Salesman Problem
Isidor Heller, Logistics Research Project,
George Washington University

12:00 **Linear Programming's Future (1 hr.)**
George B. Dantzig, RAND Corporation