American Economic Association
American Finance Association
American Marketing Association
American Statistical Association
Econometric Society
Industrial Relations Research Association
Institute of Mathematical Statistics
American Association of University Teachers of Insurance
American Business Law Association
Catholic Economic Association

**Holding joint meetings with**

American Association for the Advancement of Science (Section K)
American Farm Economic Association
American Hospital Association
American Public Health Association
American Society for Quality Control (Midwest Regional Group)
Biometric Society (East North American Region)
Social Work Research Group
GENERAL INFORMATION

Schedule of Meetings and Activities

All scheduled meetings and activities of the associations participating in the 1952 conventions of the Allied Social Science Associations are listed in chronological order in the body of the program. Meetings are scheduled from Saturday, December 27, through Tuesday, December 30. Following the body of the program are indexes of the individuals taking part in the meetings, a listing of the officers of the participating associations, an index of the advertisers in this printed program, names of the exhibitors in the respective hotels, and lists of members of the local arrangements committees for these meetings.

Convention Headquarters of Participating Associations

Headquarters of the American Economic Association, American Finance Association, Catholic Economic Association, Econometric Society, and Industrial Relations Research Association are in the Conrad Hilton Hotel. Headquarters of the American Marketing Association, American Statistical Association, Biometric Society (ENAR) and Institute of Mathematical Statistics are in the Palmer House. Headquarters of the American Association of University Teachers of Insurance and the American Business Law Association are in the Morrison Hotel. A map of the Chicago Loop and surrounding area is on the outside back cover of this program.

Information and Registration Centers

Information concerning registrants, meetings, and other matters may be obtained at the Information Desks (Conrad Hilton Hotel: in the Normandy Lounge on 2nd Floor; Palmer House: southwest corner of Exhibition Hall on 4th Floor) or at the adjacent Registration Desks. The Information Desks will serve as distribution centers for copies or abstracts of conference papers intended for general distribution, and as message centers for the convenience of registrants at the conventions. Registration facilities for the American Association of University Teachers of Insurance and the American Business Law Association will be provided in the Morrison Hotel beginning Sunday, December 28.

Employment Register

Convention registrants who desire assistance in obtaining personnel or positions in economics, marketing, statistics or related fields are invited to visit the Employment Desks, which are located as follows: Conrad Hilton Hotel, in the Normandy Lounge exhibit hall on 2nd Floor; Palmer House: American Marketing in Room 15 on the Club Floor. American Statistical Association in Room 792 on
Application blanks and vacancy forms will be available at these desks. Lists of applicants and vacancies will be made available to prospective employers and employees. Conference rooms will be provided for interviews.

**Press Rooms**
The rooms provided for the use of representatives of the press are: in the Conrad Hilton Hotel, Room 19 on 4th Floor; in the Palmer House, Room 2 on 3rd Floor. Manuscripts and summaries of papers should be taken to these rooms. All such manuscripts and summaries should be identified fully as to time and title of session, sponsoring association, name and affiliation of author, etc.

**Tours**
Information about regular tours of Chicago firms, in addition to the special tours listed in the general program, is available at the Press Rooms and Information Desks.

**Exhibitors and Advertisers**
Convention registrants are invited to view the exhibits that have been furnished by a number of firms. Times of scheduled demonstrations in connection with exhibits will be found in chronological order in the body of the program. At the Conrad Hilton Hotel exhibits are located in the Normandy Lounge on 2nd Floor. At the Palmer House exhibits are in the Exhibition Hall on 4th Floor. Lists of exhibitors and of advertisers in this program follow the body of the program.

**Key to Abbreviations**
Names of associations meeting in joint sessions are indicated as follows:
- AAAS — American Association for the Advancement of Science (Section K)
- AAUTI — American Association of University Teachers of Insurance
- ABLA — American Business Law Association
- AEA — American Economic Association
- AFA — American Finance Association
- AFEA — American Farm Economic Association
- AHA — American Hospital Association
- AMA — American Medical Association
- APHA — American Public Health Association
- ASA — American Statistical Association
- ASQC — American Society for Quality Control (Midwest Regional Group)
- BS — Biometric Society (East North American Region)
- CEA — Catholic Economic Association
- ES — Econometric Society
- IMS — Institute of Mathematical Statistics
- IRRA — Industrial Relations Research Association
- SWRG — Social Work Research Group
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SCHEDULE OF MEETINGS
Saturday, December 27, 1952

8:30 A.M.
PALMER HOUSE
Room 6
(3rd Floor)
1952 Council Meeting
Institute of Mathematical Statistics

9:30 A.M.
CONRAD HILTON
HOTEL
South Ballroom
(3rd Floor)
Regional and Spatial Economics
Econometric Society

Chairman: Walter Isard, Harvard University
Papers:
THE EQUILIBRIUM OF LAND-USE PATTERNS IN AGRICULTURE
Edgar S. Dunn, University of Florida
A SPATIAL-EQUILIBRIUM MODEL OF THE LIVE­STOCK-FEED ECONOMY IN THE UNITED STATES
Karl Fox, Bureau of Agricultural Economics
REGIONAL ECONOMICS AND ECONOMIC DEVELOPMENT
Stefan Robock, Tennessee Valley Authority
Discussion: Guy S. Freutel, Washington University, St. Louis
Gregory P. Vore, Bureau of the Budget

10:00 A.M.
CONRAD HILTON
HOTEL
Private Dining Room
No. 3
(3rd Floor)
Meeting of the Executive Committee
American Economic Association

10:00 A.M. Mathematical Training for Social Scientists
Joint Session: ASA, ES

Chairman: Frederick F. Stephan, Princeton University
Speaker: William G. Madow, University of Illinois
Discussion: Jacob Marschak, Cowles Commission
Frederick Mosteller, Harvard University
R. M. Thrall, University of Michigan

10:00 A.M.
PALMER HOUSE
Room 8
(3rd Floor)
The Role of Credibility in Insurance
American Statistical Association

Chairman: Mortimer Spiegelman, Metropolitan Life Insurance Company
CREDIBILITY PROCEDURES ARE REQUIRED TO ESTIMATE PARAMETER VALUES FOR INDIVIDUALS OF HETEROGENEOUS POPULATIONS
A. L. Bailey, Lumbermen's Mutual Casualty Company of Illinois

QUALITY CONTROL

JOINT SESSION: ASA, ASQC

Chairman: W. R. Pabst, Jr., Dept. of Navy

Papers:
PLACE OF QUALITY CONTROL IN A STATISTICAL PROGRAM FOR INDUSTRY
W. E. Deming, Bureau of Budget

Discussion: Fred J. Halton, Deere & Company
Ray S. Saddoris

FEDERAL SPONSORSHIP OF DATA COLLECTING ACTIVITIES BY NON-GOVERNMENTAL AGENCIES

American Statistical Association

Chairman: Thomas J. Mills, Bureau of the Budget

Papers:
SCOPE AND NATURE OF THE FEDERAL PROGRAM
Harry Alpert, Bureau of the Budget
PROBLEMS OF DATA COLLECTION UNDER FEDERAL SPONSORSHIP
a) By the Universities
Steven B. Withey, University of Michigan
b) By private survey agencies
Arnold J. King, National Analysts, Inc.

Discussion: Everett Ashley, Housing and Home Finance Agency
Clyde W. Hart, National Opinion Research Center

INVITED ADDRESSES

Institute of Mathematical Statistics

Chairman: J. Wolfowitz, Cornell University and University of California at Los Angeles

Papers:
APPLICATIONS OF MARTINGALE THEORY TO STATISTICS
J. L. Doob, University of Illinois
INFORMATION THEORY
B. McMillan, Bell Telephone Laboratories

11:00-11:50 A.M.

PALMER HOUSE
Room 17
(Club Floor)

Student Marketing Club Rally
American Marketing Association

12:00 M.

PALMER HOUSE
Crystal Room
(3rd Floor)

Combined Survey and Experimental Investigations
Institute of Mathematical Statistics

Chairman: T. A. Bancroft, Iowa State College

Papers:
GENERAL PRINCIPLES AND SOME EXAMPLES
R. J. Jessen, Iowa State College
USES BY THE U. S. CENSUS
J. F. Daley, Bureau of the Census
SOME ASPECTS OF THEORY
W. G. Cochran, Johns Hopkins University

Discussion: Donovan Thompson, Iowa State College
B. G. Greenberg, University of North Carolina

12:00 M.

CONRAD HILTON HOTEL
Private Dining Room No. 6
(3rd Floor)

Luncheon Meeting of the Executive Committee
American Economic Association

12:00 M.

PALMER HOUSE
Red Lacquer Room
(4th Floor)

American Marketing Association

Speaker: Fairfax Cone, President, Foote, Cone, and Belding

Tickets $4.00, available at registration desk.

12:00 M.

CONRAD HILTON HOTEL
Private Dining Room No. 5
(3rd Floor)

American Statistical Association

ECONOMIC FORECASTS

Chairman: Martin Gainsbrugh, National Industrial Conference Board

Speakers:
Frederick W. Waugh, Bureau of Agricultural Economics
Charles E. Young, Weyerhaeuser Timber Company
Theodore Yntema, Ford Motor Company

Tickets $3.25, available at registration desk.

1:00 P.M.

CONRAD HILTON HOTEL
Private Dining Room No. 5
(3rd Floor)

Luncheon Meeting of the Committee on Research
American Economic Association
New Harper Texts

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Saturday

1:45 P.M.
CONRAD HILTON HOTEL
West Ballroom
(3rd Floor)

Chairman: Sample Survey Design and Measurement for Econometric Models: A Round Table
Econometric Society

Paper: David Rosenblatt, Bureau of the Budget
SAMPLE SURVEY DESIGN AND MEASUREMENT FOR ECONOMETRIC MODELS
Stanley Lebergott, Bureau of the Budget
Lawrence R. Klein, University of Michigan
Geoffrey H. Moore, National Bureau of Economic Research
Joseph Daley, Bureau of the Census

Panel Discussion: Student Marketing Club Advisers and Officers Meeting
American Marketing Association

2:00-3:00 P.M.
PALMER HOUSE
Room 6
(3rd Floor)

Chairman: Teaching of Marketing Research
American Marketing Association

Panel Members:
David J. Luck, Michigan State College
Roy Ashmen, Young and Rubicam, Inc.
Lyndon O. Brown, Dancer-Fitzgerald-Sample, Inc.
Kenneth A. Grubb, University of Maryland
Donald F. Mulvihill, University of Alabama

2:00-3:20 P.M.
PALMER HOUSE
Room 796
(7th Floor)

Chairman: Practical Uses of Transportation Flow Data
Joint Session: ASA, AEA

Panel Members:
E. Grosvenor Plowman, United States Steel Corporation
R. Tynes Smith, III, Interstate Commerce Commission
E. S. Root, Erie Railroad
D. M. Steiner, Department of Defense

Discussion: W. Edwards Deming, Bureau of the Budget
C. Austin Sutherland, National Tank Truck Carriers
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BRUCE W. KNIGHT and L. GREGORY HINES
Dartmouth College

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Saturday

Discussions: John W. Tukey, Princeton University
Harold Hotelling, University of North Carolina
S. Chandrasekhar, University of Chicago

2:00-5:50 P.M.
PALMER HOUSE
Room 14
(Club Floor)

Chairman: Lloyd Knowler, Iowa State University
Papers: WHAT MAKES A QUALITY CONTROL CHART TICK?
Leo A. Aroian, Hughes Aircraft
DESIGN OF X- AND R-CHARTS FOR CURRENT USE WITH A GIVEN STANDARD
Acheson J. Duncan, Johns Hopkins University
QUALITY INDEX CONTROL CHARTS
Bonnie B. Small, Western Electric Company

Discussion: Bessie B. Day and W. R. Pabst, Jr., Department of the Navy

2:30 P.M.
CONRAD HILTON
HOTEL
Grand Ballroom
(2nd Floor)

Chairman: Calvin B. Hoover, Duke University
Papers: FACTORS IN THE ECONOMIC DEVELOPMENT OF GUATEMALA
G. E. Britnell, University of Saskatchewan
FACTORS IN THE ECONOMIC DEVELOPMENT OF CEYLON
P. T. Ellsworth, University of Wisconsin

Discussion: Edwin P. Reubens, College of the City of New York
John B. Condliffe, University of California

2:30 P.M.
CONRAD HILTON
HOTEL
North Ballroom
(3rd Floor)

Chairman: Frank W. Notestein, Princeton University
Papers: SOCIAL VALUE THEORY, ECONOMIC ANALYSIS AND ECONOMIC POLICY
Joseph J. Spengler, Duke University
THE ECONOMIC SYSTEM AND THE SOCIAL SYSTEM
Manuel Gottlieb, Harvard University

Saturday

2:30 P.M.
CONRAD HILTON
HOTEL
Private Dining Room
No. 2
(3rd Floor)

Chairman: Donald B. Woodward, Mutual Life Insurance Company
Papers: CAPITAL FORMATION AND FINANCING
Simon Kuznets, University of Pennsylvania
SAVING
Raymond Goldsmith, independent consultant
RISK IN INVESTMENT
Eleanor S. Bagley, Mutual Life Insurance Company

2:30 P.M.
PALMER HOUSE
Red Lacquer Room
(4th Floor)

Chairman: D. Maynard Phelps, Professor of Marketing, University of Michigan
DO WE HAVE TOO MUCH GROUP-THINK IN MARKETING?
Paul Lazarsfeld, Professor of Sociology, Columbia University
A NEW LOOK AT MARKETING INTEGRATION
Corwin D. Edwards, Chief Economist, Federal Trade Commission

3:30 P.M.
PALMER HOUSE
Room 796
(7th Floor)

Chairman: Ralph B. Thompson, University of Texas
Films: NEW THOUGHTS ON TEACHING AIDS
Frank Beach, University of Illinois
Student Presentations: ALLAN M. CAIN, AUSTIN LIFE INSURANCE COMPANY

Speaker: W. R. BENNETT, UNIVERSITY OF ALABAMA
From the Industry Viewpoint
Speaker: RICHARD S. STEFFA, THE DARTNELL CORPORATION
Saturday

4:00 P.M.
PALMER HOUSE
Grand Ballroom
(4th Floor)

Economic Forecasts and Their Accuracy
Joint Session: ASA, AEA

Chairman: Arthur R. Upgren, University of Minnesota
Papers: A SURVEY OF RECENT ECONOMIC FORECASTS
Rutledge Vining, University of Virginia
FORECASTS OF THE WAR PRODUCTION
AUTHORITIES
Robinson Newcombe, Office of Defense
Discussion: Geoffrey Moore, National Bureau of Economic
Research
Lewis Bassie, University of Illinois
T. V. Kreps, Stanford University
Gerhard Colm, National Planning Association

4:00 P.M.
PALMER HOUSE
Room 8
(3rd Floor)

Coordination of Social Statistics at the Federal Level
American Statistical Association

Chairman: Harry Alpert, Bureau of the Budget
Papers: BUILDING A COORDINATED NATIONAL SYSTEM OF VITAL STATISTICS
Halbert Dunn, National Office of Vital Statistics
COORDINATION OF POPULATION ESTIMATES USED BY FEDERAL, STATE AND LOCAL AGENCIES
Henry S. Shryock, Jr., Bureau of the Census
COORDINATION OF POPULATION AND MAN-POWER STATISTICAL STUDIES
Seymour Wolfbein, Bureau of Labor Statistics
Discussion: Donald C. Riley, Bureau of the Budget

4:00 P.M.
PALMER HOUSE
Room 9
(3rd Floor)

Meaning and Measurement of Capacity
American Statistical Association

Chairman: Alvin Mayne, Defense Production Administration
Papers: CONCEPTS OF CAPACITY
Raymond T. Bowman, University of Pennsylvania
A NEW APPROACH TO CAPACITY MEASUREMENT
Samuel Weiss, and Seymour Wolfbein, Bureau of Labor Statistics

Saturday

Discussion: Stephen P. Taylor, Department of Commerce
Robert N. Grose, Bureau of the Budget
Francis P. Hofer, Johns Hopkins University

4:00 P.M.
PALMER HOUSE
Room 17
(3rd Floor)

Mathematics of Biological and Social Phenomena
Joint Session: BS, ASA

Chairman: Nicolas Rashevsky, University of Chicago
Papers: A MATHEMATICAL THEORY OF CAPILLARY EXCHANGE AS A FUNCTION OF TISSUE STRUCTURE
G. W. Schmidt, University of Chicago
MATHEMATICAL BIOPHYSICS OF THE CARDIO-VASCULAR SYSTEM
George Karreman, University of Chicago
PROBABILISTIC THEORY OF NEURAL AND SOCIAL PROCESSES
Anatol Rapoport, University of Chicago

4:00 P.M.
CONRAD HILTON HOTEL
North Ballroom
Assembly
(3rd Floor)

Macro-Dynamic Models of Economic Fluctuations
Ecunometric Society

Chairman: Harold M. Somers, University of Buffalo
Papers: NONLINEAR SELF-EXCITED OSCILLATIONS AND BUSINESS CYCLES
Takuma Yasui, Tohoku University
THE RELATIONSHIP BETWEEN VELOCITY AND THE COST OF HOLDING MONEY
Richard Selden, Vanderbilt University
INTEREST AND MONEY IN MACRO-DYNAMIC MODELS
Warren L. Smith, University of Michigan
Discussion: Robert Eisner, Northwestern University
Clark Warburton, Federal Deposit Insurance Corporation

4:00 P.M.
PALMER HOUSE
Room 18
(Club Floor)

The Theory of Games
Ecunometric Society

Chairman: Harold Hotelling, University of North Carolina
Papers: SELF-POLICING SOLUTIONS IN THE THEORY OF GAMES
William Vickrey, Columbia University
SOME GAME THEORETIC POINTS OF VIEW ON SCIENTIFIC RESEARCH
Leo Törnqvist, University of Helsinki and Cowles Commission for Research in Economics
Saturday

EXISTENCE OF AN EQUILIBRIUM FOR A COMPETITIVE ECONOMY
Kenneth J. Arrow, Stanford University and Gerald Debreu, Cowles Commission for Research in Economics
Discussion: Oskar Morgenstern, Princeton University
Leonard J. Savage, University of Chicago

6:00 P.M.
PALMER HOUSE
Room 11
(3rd Floor)
Dinner — AMA Chapter Presidents
American Marketing Association

6:00 P.M.
PALMER HOUSE
Room 6
(3rd Floor)
Informal Dinner — Committee on Census
Enumeration Areas
American Statistical Association

8:00 P.M.
CONRAD HILTON
HOTEL
Grand Ballroom
(2nd Floor)
Monetary Policy
American Economic Association

Chairman: John H. Williams, Harvard University

Papers:
RECENT DEVELOPMENTS IN BRITISH MONETARY POLICY
Harry Johnson, King's College, Cambridge
RECENT DEVELOPMENTS IN AMERICAN MONETARY POLICY
Henry C. Wallich, Yale University
RECENT DEVELOPMENTS IN CANADIAN MONETARY POLICY
Mabel F. Timlin, University of Saskatchewan

Discussion: Lloyd W. Mints, University of Chicago
Herbert Stein, Committee for Economic Development
G. Findlay Shirras, University of Illinois

8:00 P.M.
CONRAD HILTON
HOTEL
North Ballroom
(3rd Floor)
Development of Economic Thought
American Economic Association

Chairman: Frank H. Knight, University of Chicago

Papers:
PATTERNS OF ECONOMIC THOUGHT
Karl Pribram, Washington, D.C.
THE DEVELOPMENT OF THE CONCEPTS OF MECHANISM AND MODEL IN PHYSICAL AND ECONOMIC THOUGHT
Gregor Sebba, University of Georgia

Discussion: Joseph J. Spengler, Duke University
Carl Christ, Johns Hopkins University

8:00 P.M.
PALMER HOUSE
Grand Ballroom
(4th Floor)
The Use of Statistics in Collective Bargaining
Joint Session: ASA, IRRA

Chairman: J. Douglas Brown, Princeton University, President, Industrial Relations Research Association

Papers:
GROUND RULES FOR THE USE OF STATISTICS IN COLLECTIVE BARGAINING
George W. Taylor, former Chairman, War Labor Board, University of Pennsylvania
STATISTICS FROM THE MEDIATOR'S POINT OF VIEW
Cyrus Ching, former Director, Federal Mediation and Conciliation Service
STATISTICS FROM THE LABOR POINT OF VIEW
Arthur J. Goldberg, General Counsel, Congress of Industrial Organizations
STATISTICS FROM THE INDUSTRY POINT OF VIEW
Speaker to be announced.

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PRENTICE-HALL, Inc., 70 Fifth Avenue, New York 11, N. Y.

SUNDAY, DECEMBER 28, 1952

8:00 A.M. CONRAD HILTON HOTEL
Private Dining Room No. 6
(3rd Floor)

8:00 A.M. CONRAD HILTON HOTEL
Park Row Restaurant
(1st Floor)

8:00 A.M. PALMER HOUSE
Coffee Shop
(Sub-Arcade)

8:00 A.M. CONRAD HILTON HOTEL
Private Dining Room No. 5
(3rd Floor)

8:00 A.M. CONRAD HILTON HOTEL
West Ballroom
(3rd Floor)

8:30-9:50 A.M. PALMER HOUSE
Room 6
(3rd Floor)

9:30 A.M. CONRAD HILTON HOTEL
Grand Ballroom
(2nd Floor)

Sunday

Breakfast — Conference of Secretaries of the Allied Social Science Associations:
- American Accounting Association
- American Association of University Teachers of Insurance
- American Business Law Association
- American Economic Association
- American Farm Economic Association
- American Finance Association
- American Marketing Association
- American Political Science Association
- American Sociological Society
- American Statistical Association
- Econometric Society
- Economic History Association
- Industrial Relations Research Association
- Institute of Mathematical Statistics
- Rural Sociological Society

Chairman:
Ernst Dauer, Household Finance Corporation

Breakfast: American Finance Association
A roundtable discussion of the teaching of consumer and personal finance.

Chairman:
Arthur F. Burns, Columbia University

Papers:
PUBLIC EMPLOYMENT IN THE UNITED STATES AND GREAT BRITAIN SINCE 1900
Moses Abramovitz, Stanford University
TRENDS IN LOCAL AND FEDERAL EXPENDITURES IN THE UNITED STATES SINCE 1900
Lyle C. Fitch, Middletown, Connecticut

Discussion: Ronald H. Coase, University of Buffalo
M. Slade Kendrick, Cornell University
Theodore C. Mesmer, United Nations Statistical Office

9:30 A.M.
CONRAD HILTON HOTEL
North Ballroom

Chairman: Gladys L. Palmer, University of Pennsylvania
Papers:
WAGE LEVELS AND WAGE DIFFERENTIALS
Albert E. Rees, University of Chicago
THE IMPACT OF EFFECTIVE DEMAND ON THE LABOR SUPPLY
Clarence D. Long, Johns Hopkins University

Discussion: Richard A. Lester, Princeton University
Charles A. Myers, Massachusetts Institute of Technology

9:30 A.M.
CONRAD HILTON HOTEL
Private Dining Room
No. 1
(3rd Floor)

Chairman: Robert V. Rosa, Federal Reserve Bank of New York
Papers:
BUDGETING AND PLANNING CAPITAL OUTLAYS
Joel Dean, Columbia University and Joel Dean Associates
NEW YORK STOCK EXCHANGE RESEARCH PROGRAM ON STOCK OWNERSHIP
Jonathan Brown, New York Stock Exchange
EFFECTS OF TAXATION ON THE INVESTMENT CAPACITY AND POLICY OF INDIVIDUALS
J. Keith Butters and Lawrence Thompson, Harvard University

9:30 A.M.
PALMER HOUSE
Room 796
(7th Floor)

Chairman: Richard M. Clewett, Northwestern University
Papers:
NEW VIEWPOINTS IN MARKETING
E. D. McGarry, University of Buffalo

Sunday

TRENDS IN LOCAL AND FEDERAL EXPENDITURES IN THE UNITED STATES SINCE 1900
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Papers:
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Some new economic texts from

- ROBERTSON Utilities and All That: 207 pp. imp. $3.50
- SCHNEIDER Pricing and Equilibrium: 327 pp. imp. $4.00
- WEILER The Economic System: 869 pp. $5.75
- GRIMES & WEILER Problems in Economics to Accompany the Economic System: 199 pp. $2.00
- STIGLER The Theory of Price: revised edition: 110 pp. $4.50
- TURVY Wages Policy Under Full Employment: 87 pp. imp. $1.00
- MEADE Geometry of International Trade: 112 pp. imp. $3.00 pub.

THE MACMILLAN COMPANY
60 Fifth Avenue
New York 11

Sunday

WHAT HAS HAPPENED TO THE THEORY OF GAMES
Leonid Hurwicz, University of Minnesota
ACTIVE ANALYSIS AND ITS APPLICATIONS
Tjalling C. Koopmans, Cowles Commission for Research in Economics and University of Chicago

Discussion: William J. Baumol, Princeton University

9:30 A.M.
CONRAD HILTON HOTEL
Lower Tower (28th Floor)

The Role of Public Opinion in Industrial Disputes
Industrial Relations Research Association

Chairman: Ross Stagner, University of Illinois
Papers:
PUBLIC OPINION AS A FACTOR IN LABOR DISPUTES
Avery Leiserson, Vanderbilt University
THE ROLE OF THE MEDIATOR IN RELATION TO PUBLIC OPINION
Edgar L. Warren, University of California, Los Angeles

Discussion: Allen Weisenfeld, New Jersey State Board of Mediation
Daniel Bell, Fortune Magazine

10:00 A.M.
PALMER HOUSE
Room 18 (Club Floor)

Econometric Studies
Econometric Society

Chairman: Francis M. Boddy, University of Minnesota
INVENTORY FLUCTUATIONS IN FLAXSEED AND LINSEED OIL
Stephen G. Allen, Stanford University and Cowles Commission for Research in Economics
RESEARCH STRATEGY IN INVESTIGATION OF REFRIGERATOR SALES
Guy H. Orcutt, Harvard University

Discussion: George H. Borts, Brown University
Jean Bronfenbrenner, Department of Commerce
Avram Kisselgoff, The Bank of New York

10:00 A.M.
PALMER HOUSE
Crystal Room (3rd Floor)

Probability and Behavior
Institute of Mathematical Statistics

Chairman: To be announced
Sunday

Papers:

PERSONAL PROBABILITY
Leonard J. Savage, University of Chicago

FOUNDATIONS OF A THEORY OF BEHAVIOR
Edward W. Barankin, University of California, Berkeley, and National Bureau of Standards, Los Angeles

Meeting—1953 Program Committee
American Statistical Association

Meeting—1953 Program Committee
American Statistical Association

Business Meeting: Business and Economic Statistics Section
American Statistical Association

Round Table on Activities of Committee on Statistics in the Physical Sciences
American Statistical Association

ACB Newspaper Research Services as an Aid to Market Research and Merchandizing
Speaker: W. Carroll Shelton, Advertising Checking Bureau, Inc.

Contributed Papers—I
Institute of Mathematical Statistics

Chairwoman:
E. L. Scott, University of California, Berkeley

Papers:

(1) A TWO-SAMPLE MULTIPLE DECISION PROCEDURE FOR RANKING MEANS OF NORMAL POPULATIONS WITH UNKNOWN VARIANCES (Preliminary Report)
R. E. Bechhofer, C. W. Dunnett and M. Sobel, Cornell University

(2) A SEQUENTIAL MULTIPLE DECISION PROCEDURE FOR RANKING MEANS OF NORMAL POPULATIONS WITH KNOWN VARIANCES (Preliminary Report)
R. E. Bechhofer and M. Sobel, Cornell University

(3) ON QUADRATIC ESTIMATES OF VARIANCE COMPONENTS
F. Graybill, Oklahoma Agricultural and Mechanical College and Iowa State College

Chairman:
D. A. S. Fraser, University of Toronto

Papers:

(4) TOPICS IN ANALYSIS OF VARIANCE: A. OPTIMUM PROPERTIES OF TESTS FOR MODEL II.
B. GENERALIZATIONS OF MODEL II (Preliminary Report)
L. Herbach, Brooklyn College and Columbia University

(5) FURTHER EXAMPLES FOR WHICH THE LIKELIHOOD RATIO TEST IS POOR
L. M. Court, Brooklyn College

(6) AN EMPIRICAL SAMPLING METHOD
E. L. Cox, Dugway Proving Ground

(7) DISTRIBUTION OF SEMI-DEFINITE AND OF INDEFINITE QUADRATIC FORMS
J. Gurland, Iowa State College

(8) ASYMPTOTIC PROPERTIES OF IDEAL LINEAR ESTIMATORS (By title)
Carl A. Bennett, General Electric Company

(9) BIAS IN ESTIMATION BY INTERVAL (By title)
M. C. K. Tweedie, Virginia Polytechnic Institute. Introduced by B. Harshbarger, Virginia Polytechnic Institute

(10) COMPLETENESS OF THE ORDER STATISTICS IN THE NONPARAMETRIC CASE (By title)
D. A. S. Fraser, University of Toronto

(11) PARAMETER-FREE AND NON-PARAMETRIC TOLERANCE LIMITS: THE EXPONENTIAL CASE (By title)
L. A. Goodman, University of Chicago

(12) A SIMPLE METHOD FOR IMPROVING SOME ESTIMATORS (By title)
L. A. Goodman, University of Chicago

Luncheon—Editors of Economic Journals
American Economic Association

12:00 M.
CONRAD HILTON
HOTEL
Private Dining Room
No. 3
(3rd Floor)

Luncheon 1952 Census Tract Conference
Joint Session: ASA, AMA

Chairman:
Howard Whipple Green, Cleveland Health Council

Papers:

CURRENT DEVELOPMENTS AND PROBLEMS IN CONNECTION WITH THE CENSUS TRACT PROGRAM
Roy V. Peel, Director of the Census

CENSUS TRACT AND URBAN RESEARCH
Donald L. Foley, University of Rochester
FUNDAMENTALS OF CORPORATION FINANCE
By Joseph F. Bradley, Pennsylvania State College. A highly readable text on corporation finance that stresses the viewpoint of management. Mainly concerned with the study of how corporations raise cash and acquire credit to conduct operations, it also considers problems such as selecting the form of organization, measuring and administering profits, expanding operations, and taking steps to prevent business failure. Throughout, the author keeps in mind the fact that many students have little or no knowledge of law or accounting. prob. 608 pp. $6.00

LAW IN ITS APPLICATION TO BUSINESS, Rev.
By William H. Schramper, Iowa State College. In this revision, stress has been placed upon the preventive aspects of law which will acquaint the student with desirable business procedures and practices. Much of the text material has been rewritten and expanded, the number of illustrations has been greatly increased, and two new chapters covering Insurance and Landlord and Tenant have been added.
1093 pp. $7.50

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ELEMENTARY ECONOMICS
Alfred R. Oxenfeldt, City College of New York. A new type of economics text that covers all the basic theoretic problems in the elementary course and their institutional applications, but which emphasizes the general education point of view.

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ECONOMIC SYSTEMS: A Comparative Analysis
George N. Halm ...................................................... 438 pp. $4.50

WAR AND DEFENSE ECONOMICS
Jules Backman and Associates ................................. 458 pp. $4.50

RINEHART & CO. 232 madison ave. new york 16, n. y.

INDEX OF SOCIO-ECONOMIC STATUS BY CENSUS TRACTS
W. Thurber Fales, Baltimore City Health Department
PUTTING CENSUS TRACTS TO WORK IN LOCAL COMMUNITIES — IN CHICAGO
Leo Shapiro, The Toni Company

IN OTHER CITIES
Three 5-minute presentations with maps and charts. Each participant will show how census tracts are being put to work in his community.

GENERAL DISCUSSION
Tickets $3.25, available at registration desk.

12:00 M.
PALMER HOUSE
Room 6
(3rd Floor)

Luncheon — Business Meeting of Outgoing Board of Directors
American Statistical Association

Luncheon — Research Council of Economic Security

1:30 P.M.
CONRAD HILTON HOTEL
Private Dining Room No. 8
(3rd Floor)

Round Table on the Patman “Textbooks” I
American Finance Association

Chairman: Wesley Lindow, Irving Trust Company
Papers:
GENERAL RETROSPECT
Henry C. Murphy, International Monetary Fund

THE PUBLIC DEBT: HINDRANCE OR ADVANTAGE TO CREDIT CONTROL
Paul W. McCracken, University of Michigan

ORGANIZATION OF THE FEDERAL RESERVE SYSTEM
G. L. Bach, Carnegie Institute of Technology

1:30 P.M.
PALMER HOUSE
Room 796
(7th Floor)

Teaching of Advertising
American Marketing Association

Chairman: Vance Chamberlin, Fenn College

WHAT'S NEW — IN THE TEACHING OF ADVERTISING
Sunday

Panel: Kenneth Dameron, Ohio State University
Charles G. Ellington, Harvard University
Vernon Fryburger, University of Illinois
Kenneth A. Grubb, University of Maryland
Karl H. Krauskopf, Ohio University
James D. Scott, University of Michigan
Vance Chamberlin, Fenn College

1:45 P.M.
CONRAD HILTON HOTEL
North Ballroom (3rd Floor)

Chairman: Fritz Machlup, Johns Hopkins University

Papers:
THE UNITED STATES DEMAND FOR IMPORTS
Hans P. Neisser, New School for Social Research
A STRUCTURAL APPROACH TO THE PROBLEM
OF IMPORT DEMAND
Arnold C. Harberger, Johns Hopkins University

Discussion: John H. Adler, International Bank for Reconstruction and Development
Sidney S. Alexander, Columbia Broadcasting System
Herbert K. Zassenhaus, International Monetary Fund

2:00-3:20 P.M.
PALMER HOUSE
Grand Ballroom (4th Floor)

Chairman: Ira D. Anderson, Professor of Marketing, Northwestern University

Speaker: Thomas Sunderland, General Counsel, Standard Oil of Indiana

PUBLIC POLICY AND THE LAW

Speaker: Morris Adelman, Associate Professor, Massachusetts Institute of Technology

2:00 P.M.
PALMER HOUSE
Room 17
(Club Floor)

Chairman: Peyton Stapp, Bureau of the Budget

Sunday

Papers: WHAT AN ECONOMIST WANTS IN THE WAY OF SAVINGS DATA
Gerhard Colm, National Planning Association

NEXT STEPS IN THE STATISTICAL STUDY OF SAVINGS
Raymond Goldsmith

Discussion: Peter Henle, American Federation of Labor
Eugene Zorn, American Bankers Association
V. Lewis Bassie, University of Illinois

2:00 P.M.
PALMER HOUSE
Room 18
(Club Floor)

Chairman: Philip J. McCarthy, Cornell University

Papers: THE USE OF LABORATORY EXPERIMENTS IN THE TEACHING OF PROBABILITY STATISTICS
A. C. Rosander, George Washington University

Discussion: W. J. Dixon, University of Oregon
Edwin G. Olds, Carnegie Institute of Technology

2:00 P.M.
PALMER HOUSE
Red Lacquer Room
(4th Floor)

Chairman: Cuthbert Daniel

Papers: EXPERIMENTAL DESIGNS FOR THE PHYSICAL SCIENCES
W. J. Youden, National Bureau of Standards
MULTIPLE COMPARISONS
John Tukey, Princeton University

2:00 P.M.
PALMER HOUSE
Room 14
(Club Floor)

Chairman: Simon Kuznets, University of Pennsylvania

Papers: THE POTENTIAL CONTRIBUTIONS OF MATHEMATICS TO ECONOMIC AND SOCIAL STATISTICS
Frederick F. Stephan, Princeton University
LIMITS OF MATHEMATICS IN STATISTICS
Wladimir S. Woytinsky, Johns Hopkins University

Discussion: David Rosenblatt, Washington, D.C.
Dorothy Brady, Bureau of Labor Statistics
Jacob Marschak, Cowles Commission
WILEY Books—1952 Highlights


* DEMAND ANALYSIS: A Study in Econometrics by Herman Wold, University of Uppsala; with Lars Jureén, State Agricultural Marketing Board of Sweden . . . 1952. 515 pages. $7.00.

ECONOMETRICS by Gerhard Tintner, Iowa State College . . . 1952. 370 pages. $5.75.


* 50-100 BINOMIAL TABLES by Harry G. Romig, Hughes Aircraft Company . . . 1952. 172 pages. $4.00.

* ADVANCED STATISTICAL METHODS IN BIOMETRIC RESEARCH by C. Radhakrishna Rao, the Indian Statistical Institute, Calcutta . . . 1952. 390 pages. $7.50.

* THE DESIGN AND ANALYSIS OF EXPERIMENTS by Oscar Kempthorne, Iowa State College . . . 1952. 631 pages. $8.50.

COMING early in 1953

STUDIES IN ECONOMETRIC METHODS Edited by William C. Hood and Tjalling C. Koopmans.

*AN INTRODUCTION TO STATISTICS by Charles E. Clark.

*STOCHASTIC PROCESSES by J. L. Doob.

* A WILEY PUBLICATION IN STATISTICS, Walter A. Shewhart, Editor.


NATIONALISM AND SOCIAL COMMUNICATION by Karl W. Deutsch.

Send for on-approval copies

JOHN WILEY & SONS, Inc. 440 - 4th Avenue, New York 16, N.Y.

Sunday

2:00 P.M. PALMER HOUSE Foyer to the Grand Ballroom (4th Floor)

New Electronic Machines and the Future of Statistics

American Statistical Association

Chairman: Emil Schell, Department of the Air Force

Papers: C. C. Hurd, International Business Machines H. L. Mitchell, Eckert Mauchly Division, Remington Rand

2:00-5:50 P.M. PALMER HOUSE Room 11 (3rd Floor)

Application of Statistics to Earth Sciences

American Statistical Association

Chairman: John C. Griffiths, Pennsylvania State College

Papers: APPLICATION OF STATISTICAL METHODS TO SEDIMENTARY DATA

W. C. Krumbein, Northwestern University

SOME STATISTICAL PROBLEMS IN FIELD GEOLOGY

Hard J. Pincus, Ohio State University

OCEAN WAVES AND ANALYSIS OF THEIR APPEARANCE, PROPAGATION AND PROPERTIES IN TERMS OF TIME, SERIES, POWER SPECTRA AND STATISTICS

Willard J. Pierson, Jr., New York University

CLIMATOLOGY'S NEEDS IN STATISTICAL RESEARCH

Arnold Court, University of California

Discussion: K. A. Brownlee, University of Chicago I. W. Burr, Purdue University

2:00 P.M. PALMER HOUSE Crystal Room (3rd Floor)

Controlled Stochastic Processes

Joint Session: ES, IMS

Chairman: Jacob Marschak, Cowles Commission for Research in Economics and University of Chicago

Papers: ON CONTROLLED STOCHASTIC PROCESSES

Jack Kiefer, Cornell University

ON SOME PROBLEMS IN THE THEORY OF DYNAMIC PROGRAMMING

Richard Bellman, The RAND Corporation

Discussion: Leo Törnqvist, University of Helsinki and Cowles Commission for Research in Economics
Sunday
2:00-2:30 P.M.
PALMER HOUSE
Booth 25
Exhibition Hall
Speaker: A. Edwin Fein, Research Company of America

2:30 P.M.
CONRAD HILTON
HOTEL
North Ballroom
Assembly
(3rd Floor)
Chairman: B. U. Ratchford, Duke University
Papers: THE ROLE OF TECHNOLOGY IN ECONOMIC THEORY
Clarence E. Ayres, University of Texas
DETERMINANTS OF THE DIRECTION OF TECHNOCAL CHANGE
Yale Brozen, Northwestern University
Discussion: M. C. Urquhart, Queen's University
Irving H. Siegel, Twentieth Century Fund

Sunday
2:30 P.M.
CONRAD HILTON
HOTEL
Upper Tower
(29th Floor)
Chairman: Simeon E. Leland, Northwestern University
Papers: SOME CONTEMPORARY TENDENCIES IN ECONOMIC RESEARCH
Bernard F. Haley, Stanford University
ECONOMIC RESEARCH IN RELATION TO PUBLIC POLICY
Robert D. Calkins, Brookings Institution
Discussion: Howard S. Ellis, University of California
Alfred C. Neal, Federal Reserve Bank of Boston
Milton Friedman, University of Chicago
Meyer Kestnbaum, Hart, Schaffner & Marx
Arthur R. Upgren, University of Minnesota

Sunday
2:30 P.M.
CONRAD HILTON
HOTEL
Private Dining Room
No. 2
(3rd Floor)
Chairman: Kent T. Healy, Yale University
Papers: PROPOSED CHANGES IN TRANSPORTATION REGULATION

Sunday
2:30 P.M.
CONRAD HILTON
HOTEL
South Ballroom
(3rd Floor)
Chairman: Douglass V. Brown, Massachusetts Institute of Technology
Papers: CHANGING ASSUMPTIONS IN THE THEORY OF BUSINESS BEHAVIOR
George Katona, University of Michigan
PRESSURES ON COMPANY DECISION-MAKING IN INDUSTRIAL RELATIONS
James C. Worthy, Sears, Roebuck & Company
Discussion: E. H. van Delden, New York University
Sidney C. Sufrin, Syracuse University

2:30 P.M.
PALMER HOUSE
Booth 9
Exhibition Hall
Speaker: Arthur O. Dahlberg, Visual Economics Laboratory of Columbia University
Sunday

3:30 P.M.
CONRAD HILTON HOTEL
West Ballroom
(3rd Floor)

Round Table on the Patman "Textbooks" II
American Finance Association

Chairman: Roland I. Robinson, Northwestern University
Papers: WORKING OF THE CREDIT MECHANISM
Roy L. Reerson, The Bankers Trust Company
NEW AND OLD IDEAS ON RESERVE REQUIREMENTS
Charles R. Whittlesey, University of Pennsylvania
PHILOSOPHY OF DEBT MANAGEMENT
Henry C. Wallich, Yale University
GAPS AND OMISSIONS IN THE PATMAN INQUIRY
John D. Clark, Council of Economic Advisers

3:30 P.M.
PALMER HOUSE
Room 796
(7th Floor)

Teaching of Sales Management
American Marketing Association

Chairman: Kenneth D. Hutchinson, Boston University
Speaker: Phillip McVey, Case Institute of Technology
Speaker: Albert Haring, Indiana University

3:30-5:00 P.M.
PALMER HOUSE
Grand Ballroom
(4th Floor)

Mediamatics — A New Approach for the Measurement and Evaluation of Media Audiences
American Marketing Association

Chairman: Hans Zeisel, Tca Bureau, New York City
Speaker: Ira Bix, Director of Advertising Research, Farm Journal
Speaker: George H. Brown, Professor of Marketing, University of Chicago
Stanley Canter, Associate Director of Research, McCann-Erickson, Inc.

4:00 P.M.
PALMER HOUSE
Room 8
(3rd Floor)

Joint Session: AEA, ASA

Chairman: Charles D. Stewart, Bureau of Labor Statistics
Papers: ESTIMATES OF LABOR FORCE, EMPLOYMENT, AND UNEMPLOYMENT, 1900-50
Stanley Lebergott, Bureau of the Budget
PROJECTIONS OF LABOR FORCE AND EMPLOYMENT, 1950-2000
Calman Winegarden, Bureau of Labor Statistics
Discussion: John Durand, United Nations Population Office
David Kaplan, Bureau of the Census
Gladys Palmer, University of Pennsylvania

4:00 P.M.
PALMER HOUSE
Room 7
(3rd Floor)

Use of Statistics in Hospital Planning
Joint Session: ASA, AHA

Chairman: Paul M. Densen, University of Pittsburgh
Papers: STATISTICAL ASPECTS OF HOSPITAL ACCREDITATION
E. L. Crosby, Johns Hopkins Hospital
STATISTICAL PROBLEMS ENCOUNTERED IN THE WORK OF THE COMMISSION ON FINANCING OF HOSPITAL CARE
Isidore Altman, Commission on Financing Hospital Care

4:00 P.M.
PALMER HOUSE
Room 17
(Club Floor)

Determing Optimum Conditions
Joint Session: ASA, BS

Chairman: Harold Hotelling, University of North Carolina
Papers: RECENT ADVANCES IN FINDING BEST OPERATING CONDITIONS
R. L. Anderson, University of North Carolina
SOME PROBLEMS IN DETERMINING MAXIMA OF FUNCTIONS OF SEVERAL VARIABLES
Fred Mosteller, Harvard University

4:00 P.M.
PALMER HOUSE
Room 9
(3rd Floor)

Local Statistics — The Philadelphia Story
American Statistical Association

Chairman: Leonard A. Drake, Chamber of Commerce of Greater Philadelphia
Papers: CITY AND AREA STATISTICS—CHAMBER OF COMMERCE EXPERIENCE
Leonard A. Drake
BUYING HABITS OF PHILADELPHIA FAMILIES: AN EXAMPLE OF STUDENT RESEARCH
Myron Heidingsfield, Temple University
Sunday

4:00 P.M.
CONRAD HILTON HOTEL
Private Dining Room No. 1
(3rd Floor)
Chairman: Oskar Morgenstern, Princeton University
Papers:
THE INTRANSITIVITY OF INDIVIDUAL PREFERENCES
Kenneth O. May, Carleton College
EXPERIMENTAL TESTING OF A POSTULATE IN THE THEORY OF CHOICE
Andreas G. Papandreou, University of Minnesota
Discussion:
Ward Edwards, Johns Hopkins University
Milton Friedman, University of Chicago
H. S. Houthakker, Cowles Commission for Research in Economics

4:00 P.M.
PALMER HOUSE
Crystal Room
(3rd Floor)
Chairman: Adolph O. Berger, Bureau of Labor Statistics
Paper:
THE NEW CONSUMERS PRICE INDEX
Edward Hollander, Bureau of Labor Statistics
Discussion:
Robert A. Sayre, Association of American Railroads
Lazare Teper, International Ladies Garment Workers Union
Laura Mac Webb, Bureau of the Budget

4:00 P.M.
CONRAD HILTON HOTEL
Private Dining Room No. 4
(3rd Floor)
Meeting — American Section of the International Institute of Public Finance

5:00 P.M.
CONRAD HILTON HOTEL
North Ballroom
(3rd Floor)
Annual Business Meeting and Awarding of the Francis A. Walker Medal
American Economic Association

Sunday

5:00-6:00 P.M.
Business Meeting
PALMER HOUSE
Red Lacquer Room
(4th Floor)

5:30 P.M.
Cocktails
PALMER HOUSE
Room 14
(Club Floor)

6:00 P.M.
Dinner — Princeton University Alumni and Faculty
Place to be Announced

6:00 P.M.
Dinner — Members of the Editorial Board of The American Economic Review
PALMER HOUSE
Room 788
(7th Floor)

7:00 P.M.
Banquet
PALMER HOUSE
Grand Ballroom
(4th Floor)
WHAT'S NEW ON MARKETING PROSPECTS AT HOME AND ABROAD?
Speaker: Charles H. Sawyer, Secretary of Commerce of the United States
Tickets $6.00, available at registration desk.

7:30 P.M.
Registration; Informal Smoker
MORRISON HOTEL
Hollywood Room
(Mezzanine)
MEET YOUR TEXTBOOK AUTHORS
Chairman: Matthew P. Dogan, Indiana University

7:30 P.M.
Presidential Address
PALMER HOUSE
Red Lacquer Room
(4th Floor)
Chairman: Willard Thorp, U. S. Department of State
Speaker: Aryness Joy Wickens, Bureau of Labor Statistics

8:00 P.M.
Harrold Adams Innis, 1894-1952
CONRAD HILTON HOTEL
American Economic Association
Grand Ballroom
(2nd Floor)
Chairman: Chester W. Wright, University of Chicago
SUMMARY OF MONDAY MEETINGS

8:00 A.M. - 10:00 A.M.

Breakfast: Chapters Secretaries and District Directors

- Contributions (AAR)
- Contributions (AASA)
- Contributions (AFA)
- Contributions (ASVPA)
- Contributions (ASVPA)
- Contributions (SCVPA)
- Contributions (SCVPA)

10:00 A.M. - 11:30 A.M.

Teaching of Economics (AASA)

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11:30 A.M. - 1:00 P.M.

Lunch: President's Affairs

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1:00 P.M. - 2:30 P.M.

Symposium on Bureaucracy

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2:30 P.M. - 4:00 P.M.

Technical Session: Contributions to American Economic History

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4:00 P.M. - 6:00 P.M.

Technical Session: Contributions to American Economic History

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6:00 P.M. - 8:00 P.M.

Dinner: Social Events

- Dinner: Social Events
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Sunday

PRESIDENTIAL ADDRESS: BIAS IN ECONOMICS
Introductory fragments to be read by the chairman.

IN MEMORIAM
Vincent W. Bladen, University of Toronto
W. T. Easterbrook, University of Toronto

CONTRIBUTION TO SCHOLARSHIP
Joseph H. Willis, Rockefeller Foundation

Meeting of the Council — Econometric Society

9:00 P.M.

CONRAD HILTON HOTEL
Private Dining Room No. 3
(3rd Floor)

9:30 P.M.

Palmer House
Red Lacquer Room
(4th Floor)

Smoker — Industrial Relations Research Association

Reception and Informal Party — American Statistical Association

Tickets $1.00, available at Registration Desk.

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John Fred Bell
Professor of Economics, University of Illinois

Following a chronological pattern, this new, well-organized textbook traces the development of economic thought from antiquity to the present. Analyzes and evaluates the writings of the great economists, discusses their influence on national policies and on subsequent schools of thought. Approx. 675 pages. $6.50 Ready Spring 1953

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Economics of Income and Consumption
Helen G. Canoyer and Roland S. Vaile
Both Professors of Economics and Marketing, University of Minnesota

Describes and illustrates, in terms of the consumer, the basic, unchanging laws of economics. Offers the student clarifying applications of economic principles along with sound understanding of their inter-relationships. 92 illus., 355 pages. $4.50

SCHEDULE OF MEETINGS
Monday, December 29, 1952

8:00 A.M.
PALMER HOUSE
Room 11
(3rd Floor)

Breakfast Meeting – Chapter Secretaries and District Representatives
American Statistical Association

8:00 A.M.
CONRAD HILTON HOTEL
Private Dining Room
No. 8 (3rd Floor)

Breakfast: Pi Gamma Mu, the National Social Science Honor Society

Chairman:
Andrew J. Kress, Industrial College of the Armed Forces

8:00 A.M.
PALMER HOUSE
Crystal Room
(3rd Floor)

Contributed Papers II
Institute of Mathematical Statistics

Chairman:
J. Kiefer, Cornell University

Papers:
15. ADMISSIBILITY OF CERTAIN STATISTICAL TESTS
E. Lehmann, University of California, and C. Stein, University of Chicago

14. SOME EXPERIMENTAL DESIGNS FOR COMPARATIVE LIFE-TESTING
Allan Birnbaum, Columbia University

15. EXISTENCE OF INVARIANT MINIMAX PROCEDURES
Herman Rubin, Stanford University

16. A SIMPLE SEQUENTIAL PROCEDURE FOR TESTING STATISTICAL HYPOTHESES (Preliminary Report)
C. K. Tsao, Wayne University

17. ASYMPTOTIC PROPERTIES OF THE ROBINS-MONRO PROCESS
J. L. Hodges, Jr., and E. L. Lehmann, University of California

18. SOME NOTES ON THE APPLICATION OF SEQUENTIAL METHODS IN THE ANALYSIS OF VARIANCE
N. L. Johnson, University of North Carolina

19. THE COVARIANCES OF FREQUENCIES FROM A MULTINOMIAL DISTRIBUTION UNDER A SEQUENTIAL SAMPLING RULE
M. C. K. Tweedie, Virginia Polytechnic Institute. Introduced by B. Harshbarger, Virginia Polytechnic Institute

20. THE GROUP OF TRANSFORMATIONS LEAVING A SET OF NORMAL DISTRIBUTIONS INVARIANT (By title)
E. Lehmann, University of California and C. Stein, University of Chicago
8:15-11:30 A.M.  
PALMER HOUSE  
Grand Ballroom  
(4th Floor)

**Reliability and Usability of Soviet Statistics**  
*American Statistical Association*

**Chairman:** Stuart A. Rice, Bureau of the Budget  
**Introduction:** The Issues Formulated (By the Chairman)  
**Papers:**  
- THE SOVIET STATISTICAL SYSTEM: A Preliminary Examination  
  - Harry Schwartz, Syracuse University and New York Times  
- CONCEPTIONS OF SOCIO-ECONOMIC DATA INCORPORATED IN SOVIET CLASSIFICATION SYSTEMS  
  - Vladimir S. Kolesnikoff, Bureau of the Budget  
- THE RELIABILITY AND USABILITY OF POPULATION AND VITAL STATISTICS  
  - Frank Lorimer, American University  
- THE RELIABILITY AND USABILITY OF SOVIET AGRICULTURAL STATISTICS  
  - Lazar Volin, Department of Agriculture  
- THE RELIABILITY AND USABILITY OF SOVIET NATIONAL INCOME STATISTICS  
  - Alexander Gerschenkron, Harvard University  
- SUMMARY APPRAISAL  
  - Abram Bergson, Columbia University

8:30 A.M.  
PALMER HOUSE  
Room 796  
(7th Floor)

**Teaching of Retailing**  
*American Marketing Association*

**Chairman:** Donald K. Beckley, Simmons College, Prince School of Retailing  
**Speaker:** Arthur W. Einstein, Pennsylvania College of Technology  
**Panel Discussion:** CONDUCTING SHORT COURSES IN RETAILING  
**Chairman:** Wenzil K. Dolva, Washington University

9:00 A.M.  
PALMER HOUSE  
Red Lacquer Room  
(4th Floor)

**Marketing Strategy**  
*American Marketing Association*

**Chairman:** Steuart H. Britt, Needham, Louis, & Broby, Inc.  
**Speaker:** Harry V. Roberts, Assistant Professor, University of Chicago  
**Speaker:** Burleigh Gardner, Executive Director, Social Research, Inc.  
**Speaker:** Cliff Samuelson, Advertising Manager, Grocery Products, General Mills, Inc.
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the Irwin Series in Economics

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Edward S. Shaw, Stanford University
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To be published Spring 1953

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By Charles P. Kindleberger, Massachusetts Institute of Technology
To be published Spring 1953

COLLECTIVE BARGAINING: Principles and Cases
Revised Edition, By John T. Dunlop and James J. Healey, both of Harvard University
To be published June 1, 1953

ECONOMIC POLICY: Readings in Political Economy
Edited by William D. Grampp, University of Illinois, Chicago, and Emanuel T. Weiler, University of Illinois, Urbana
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By Frederic Meyers, University of Texas

American Economic Association
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Sponsored jointly by the AMERICAN ECONOMIC ASSOCIATION and the ECONOMIC HISTORY ASSOCIATION
Frederic C. Lane, Editor, The Johns Hopkins University, and Jelle C. Riiemersma, Assistant Editor, University of Toronto

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Publishers for the American Economic Association

RICHARD D. IRWIN, INC., HOMEWOOD, ILL.
Monday

9:30 A.M. CONRAD HILTON HOTEL
North Ballroom (3rd Floor)

The Theory of Income Distribution
American Economic Association

Chairman: Lloyd G. Reynolds, Yale University
Papers: The Fruits of Progress and the Dynamics of Distribution
Kenneth E. Boulding, University of Michigan
Significance and Limitations of Contemporary Distribution Theory
William J. Fellner, Yale University

Discussion: Harold M. Levinson, University of Michigan
Edward C. Budd, Yale University

9:30 A.M. CONRAD HILTON HOTEL
Private Dining Room No. 2 (3rd Floor)

Some Economic and Social Aspects of the Schuman Plan
Catholic Economic Association

Chairman: Rev. Edmund A. Kurth, Loras College
Speaker: Cyril Zebot, Duquesne University
Discussion: Rev. James J. McGinley, S.J., Fordham University
Sr. M. Adrian, R.S.M., Mount Mercy College

9:30 A.M. CONRAD HILTON HOTEL
West Ballroom (3rd Floor)

Production Models
Econometric Society

Chairman: George B. Dantzig, The RAND Corporation
Papers: An Application of Activity Analysis to the Theory of the Firm
Michael Farrell, Yale University
Mathematical Models of Industrial Production
James R. Jackson, University of California
Scheduling of Manufactured Products
William W. Cooper and Abraham Charnes, Carnegie Institute of Technology, and Donald Farr, Methods Engineering Council

Discussion: Robert Mellon, Gulf Oil Corp.
Andrew Zazsonyi, Hughes Aircraft Corp.

9:30 A.M. CONRAD HILTON HOTEL
Lower Tower (28th Floor)

Leadership and Communication in Companies and Trade Unions
Industrial Relations Research Association

Chairman: Vincent W. Bladen, University of Toronto
Papers: Factors in Company Communications Systems
Raymond W. Peters, Esso Standard Oil Company
Problems in Communication Between Leadership and Membership in Trade Unions
George J. Strauss, Cornell University
Leonard R. Sayles, Cornell University

Discussion: Joel Seidman, University of Chicago
William Gomberg, International Ladies’ Garment Workers’ Union

10:00 A.M. MORRISON HOTEL
Venetian Room (2nd Floor)

The Basic Survey Course in Insurance
American Association of University Teachers of Insurance

Moderator: Charles C. Center, University of Wisconsin
Participants: William T. Beadles, Illinois Wesleyan University
John S. Bickley, Ohio State University
David A. Ivry, University of Connecticut
Ralph H. Wherry, The Pennsylvania State College
Monday

10:00 A.M.
CONRAD HILTON
HOTEL
Private Dining Room
No. 1
(3rd Floor)

Technical Aspects of Treasury Financing
American Finance Association

Chairman: John C. Clendenin, University of California
Papers: O. K. Burrell, University of Oregon
SAVINGS BONDS IN PERSONAL INVESTMENT PROGRAMS
George Conklin, Guardian Life Insurance Company
TREASURY BOND POLICY FROM THE INSTITUTIONAL POINT OF VIEW
T. F. Evans, Textile Research Institute
MAJOR FACTORS AND TRENDS IN THE GOVERNMENT BOND MARKET
Leroy M. Piser, Aubrey Lanston and Company

Discussion: Robert C. Holland, Federal Reserve Bank of Chicago
Herbert Dougall, Stanford University

10:00 A.M.
PALMER HOUSE
Foyer of Grand Ballroom
(4th Floor)

The Meaning of Statistics Classified by Industry
American Statistical Association

Chairman: Walter F. Ryan, Bureau of the Budget
Papers: THE ELEMENTS OF AN INDUSTRIAL CLASSIFICATION SYSTEM
Walt R. Simmons, Bureau of Labor Statistics
REPORTING OF INFORMATION BY ESTABLISHMENT: THEORY AND PRACTICE
Maxwell R. Conklin, Bureau of the Census
William H. Cummins, Bureau of the Old-Age and Survivors Insurance

Discussion: Leonard A. Drake, Chamber of Commerce of Greater Philadelphia
Hymen Bookbinder, Amalgamated Clothing Workers of America
Tillman Sogge, St. Olaf College

10:00 A.M.
PALMER HOUSE
Room 7
(3rd Floor)

Use of Statistical Techniques in Evaluating the Effectiveness of Counseling Services
Joint Session: ASA, SWRG

Chairman: Edwin W. Davis, University of Illinois
Papers: MEASURING EFFECTIVENESS OF PSYCHOTHERAPY
Carl Rogers, University of Chicago
EVALUATING COUNSELING IN SOCIAL WORK
Charles P. Gershenson, Jewish Children's Bureau

Monday

10:00 A.M.
PALMER HOUSE
Room 8
(3rd Floor)

ESTABLISHING DIAGNOSTIC CATEGORIES FOR COUNSELING TYPES
Harold B. Pepinsky, Ohio State University
MEASURING OF UNCONSCIOUS ATTITUDES
Fred Fiedler, University of Illinois

Chairman: W. J. Youden, Bureau of Standards
Papers: CARBON-14 IN DATING
W. F. Libby, University of Chicago
PHILOSOPHY OF EXPERIMENTATION
G. E. Kimball, Columbia University

Discussion: G. E. Albert, University of Tennessee
R. J. Monroe, University of North Carolina

10:00 A.M.
PALMER HOUSE
Room 9
(3rd Floor)

General Review of Non-Parametric Methods with Special Emphasis on Randomized Tests
Joint Session: ASA, BS

Chairman: John W. Tukey, Princeton University
Papers: GENERAL REVIEW OF NON-PARAMETRIC METHODS, WITH SPECIAL EMPHASIS ON RANDOMIZED TESTS
Lincoln E. Moses, Stanford University
RANK ANALYSIS IN THE ESTIMATION OF THRESHOLD VALUES
M. E. Terry, Bell Telephone Laboratories, Murray Hill, New Jersey
POWER OF NON-PARAMETRIC TESTS FOR NORMAL ALTERNATIVES
W. J. Dixon, University of Oregon

Discussion: A. M. Mood, RAND Corporation
Monday

10:00 A.M.
PALMER HOUSE
Room 14
(Club Floor)

Recent Developments in Occupational Mobility Research

*American Statistical Association*

Chairman: Gladys L. Palmer, University of Pennsylvania

Papers:
- Research Design of the Survey of Patterns and Factors in Mobility of Six Cities
  - Margaret Gordon, University of California
- A Technique for Analyzing the Influence of One or More Factors on Differences in Crude Mobility Rates
  - Evelyn M. Kitagawa, University of Chicago
- Techniques for Analysis of Vertical Mobility
  - Albert J. Reiss, Jr., Vanderbilt University
- The Application of Mobility Research to Labor Supply Models
  - Robert Steffes, Bureau of the Budget

Discussion:

10:00 A.M.
PALMER HOUSE
Room 17
(3rd Floor)

Elementary Statistics Courses in Relation to New Developments and Theory

*American Statistical Association*

Chairman: Rutledge Vining, University of Virginia

Papers:
- Non-Parametric Methods in the Elementary Statistics Course
  - Dr. Ralph Bradley, Virginia Polytechnic Institute
- Decision Theory in the Elementary Statistics Course
  - J. Kiefer, Cornell University

Discussion:

10:45-11:45 A.M.
PALMER HOUSE
Room 796
(7th Floor)

Social Choice Functions

*Joint Session: ES, IMS*

Chairman: Howard R. Bowen, Williams College

Papers:
- A Suggested Approach to Problems of Group Choice
  - Clifford C. Hildreth, Cowles Commission for Research in Economics and University of Chicago
- Some Sociological Observations on Decision-Making
  - Edward A. Shils and Edward C. Banfield, University of Chicago

Discussion:

11:45 A.M.
CHICAGO TITLE AND TRUST CO.
111 W. Washington St.

Luncheon; Tour of Chicago Title and Trust Company

*American Business Law Association*

12:00 M.
MORRISON HOTEL
Cotillion Room
(4th Floor)

Luncheon: for Active Members of American Association of University Teachers of Insurance

*Host: Western Underwriters Association*

12:00 M.
PALMER HOUSE
Red Lacquer Room
(4th Floor)

Luncheon: Marketing Research Today — Milestone or Millstone?

*American Marketing Association*

Speaker: John E. Jeuck, Dean of School of Business, University of Chicago

Tickets $4.00, available at registration desk.

12:00 M.
PALMER HOUSE
Grand Ballroom
(4th Floor)

Luncheon: The Stock Market

*American Statistical Association*

Chairman: J. Parker Hall, Investment Analysts Society of Chicago
Monday

Papers: THE RAILROAD OUTLOOK FOR 1953
- Pierre R. Bretey, Baker, Weeks & Harden
  PROJECTING CORPORATE EARNINGS
- Jeremy C. Jenks, Cyrus J. Lawrence & Sons
  THE OUTLOOK FOR THE STOCK MARKET
- Richard W. Lambourne, Dodge & Cox

Discussion: M. Dutton Morehouse, Brown Brothers, Harri
  man & Co.
  Tickets $3.25, available at registration desk.

12:00 M.
PALMER HOUSE
Room 5
(3rd Floor)
Luncheon: Incoming Council and Board of
Directors Meeting
American Statistical Association

12:00 M.
PALMER HOUSE
Room 11
(3rd Floor)
Luncheon: Biometrics Section — Business Meet
ing
American Statistical Association

12:00 M.
CONRAD HILTON
HOTEL
Private Dining Room
No. 2
(3rd Floor)
Luncheon: Papal Teaching and International
Economic Relations
Catholic Economic Association

Chairman: John H. Sheehan, University of Notre Dame
Guest: His Eminence, Samuel Cardinal Stritch, Arch
bishop of Chicago
Speaker: Rev. Raymond J. Miller, C.S.S.R., President of
the Catholic Economic Association

12:00 M.
PALMER HOUSE
Crystal Room
(3rd Floor)
Special Invited Address
Institute of Mathematical Statistics

Chairman: Herbert Solomon, Columbia University
Speaker: Jacob Wolfowitz, Cornell University and the
University of California at Los Angeles

12:15 P.M.
CONRAD HILTON
HOTEL
Grand Ballroom
(2nd Floor)
Luncheon Meeting: Canada’s Postwar Finance
Joint Session: AEA, AFA, CACI

Chairman: Leverett S. Lyon, Chicago Association of Com
merce and Industry
Speaker: W. C. Clark, Deputy Minister of Finance, Do
minion of Canada
Tickets $5.25, available at Registration Desk.

Monday

12:30 P.M.
CONRAD HILTON
HOTEL
South Ballroom
(3rd Floor)
Luncheon: Industrial Relations Research Assoc
iation

1:45 P.M.
CONRAD HILTON
HOTEL
Room 12
(4th Floor)
Selected Papers
Econometric Society

Chairman: Martin Bronfenbrenner, University of Wiscon
sin
Papers: CLASSICAL THEORY, GRAHAM’S THEORY, AND
LINEAR PROGRAMMING IN INTERNATIONAL
TRADE
- Thomson M. Whitin, Princeton University
THE PROGRAMMING OF INDEPENDENT SOURCES
Lionel W. McKenzie, Duke University
A NOTE ON THE CONCEPTS OF CONSUMERS’
SURPLUS
Shinichi Ichimura, Massachusetts Institute of Technology

2:00-3:30 P.M.
MORRISON HOTEL
Venetian Room
(2nd Floor)
Panel I: The Revision of Section 213 — A Ma
jor Life Insurance Problem
American Association of University Teachers
of Insurance
Moderator: Robert I. Mehr, University of Illinois
Speakers: Daniel J. Lyons, The Guardian Life Insurance
Company
Spencer L. McCarty, New York State Association of Life Underwriters

2:00 P.M.
MORRISON HOTEL
Hollywood Room
(Mezzanine)
The Scope of Business Law
American Business Law Association

Chairman: Harold Lusk, Indiana University
Speaker: William Zelmermyer, Utica College of Syracuse
University

2:00 P.M.
CONRAD HILTON
HOTEL
Private Dining Room
No. 1
(3rd Floor)
Critical Survey of Direct Federal Regulation
American Finance Association

Chairman: Ernst Dauer, Household Finance Corporation
Monday

Papers: DIRECT REGULATION OF HOUSING CREDIT
Miles Colean, independent consultant
DIRECT REGULATION OF CONSUMER CREDIT
Robert Bartels, Ohio State University
COMPETITION AMONG INVESTMENT BANKERS
Paul Howell, New York University

Discussion: T. Everett Ashley, Housing and Home Finance Administration
Arthur R. Upgren, University of Minnesota
Robert Shea, University of Maine

2:00 P.M.
PALMER HOUSE
Foyer of Grand Ballroom
(4th Floor)

Researching the Salesman to Increase His Productivity
American Marketing Association

Chairman: James F. Hawkinson, Professor of Marketing, Northwestern University
Panel Members: Fred C. Akers, Assistant to Vice President of Industrial Sales, Crane Co.
John C. Harkness, Partner, A. T. Kearney & Company
Gene L. Powers, Director of Sales Training and Sales Personnel, Swift & Company

2:00 P.M.
PALMER HOUSE
Room 8
(3rd Floor)

Application of Statistics to Physics
American Statistical Association

Chairman: W. E. Deming, Bureau of the Budget
Papers: PRECISION MEASUREMENTS IN THERMOMETRY
H. F. Stimson, Bureau of Standards
COMPARISON OF STANDARD METER BARS
W. J. Youden, National Bureau of Standards
Lewis V. Judson, National Bureau of Standards

Discussions: Edgar P. King, National Bureau of Standards
David Votaw, Yale University

2:00 P.M.
PALMER HOUSE
Room 9
(3rd Floor)

Statistics for Small Business
American Statistical Association

Chairman: Alvin Mayne, National Production Authority
Papers: PROBLEMS OF SMALL BUSINESS IN A MOBILIZATION ECONOMY
Roderick Riley, Small Defense Plants Administration
EMPLOYMENT TRENDS AMONG SMALL BUSINESSES SINCE KOREA
Seymour Wolfbein, Bureau of Labor Statistics

Monday

Discussions: A. D. H. Kaplan, Brookings Institution
A. J. Jaffe, Columbia University Representative, Senate Committee on Small Business

2:00 P.M.
PALMER HOUSE
Room 14
(Club Floor)

Problems and Activities of Experiment Station Statisticians
Joint Session: ASA, BS

Chairman: H. W. Norton, University of Illinois
Papers: ORGANIZATIONAL AND STATISTICAL PROBLEMS FACING THE NEOPHYTE STATION STATISTICIAN
J. G. Darroch, Washington State College
ORGANIZATION AND SCOPE OF ACTIVITIES OF STATION STATISTICIANS
C. E. Marshall, Oklahoma A & M

Discussions: Henry Tucker, Kansas State College
V. L. Anderson, Purdue University
P. G. Homeyer, Iowa State College
R. J. Monroe, North Carolina State College

2:00 P.M.
PALMER HOUSE
Room 17
(Club Floor)

The Statistics of Industrial Relations
Joint Session: ASA, IRRA

Chairman: Nelson M. Bortz, Railroad and Airlines Wage Board
Papers: CONCENTRATION OF TRADE UNION MEMBERSHIP
Leo Wolman, National Bureau of Economic Research
SCOPE AND EXTENT OF COLLECTIVE BARGAINING
Kirk R. Petchek, Bureau of Labor Statistics

Discussions: Philip Taft, Brown University
Albert S. Epstein, International Association of Machinists

2:00 P.M.
PALMER HOUSE
Room 18
(Club Floor)

Response Errors in Enumerative Surveys
American Statistical Association

Chairman: Rensis Likert, University of Michigan
Papers: CURRENT EXPERIENCE AND RESEARCH FINDINGS
Eli Marks, Bureau of the Census
Herbert Hyman, National Opinion Research Center

Presented By:
Leslie Kish, University of Michigan
Fritz Kafka, Bureau of Labor Statistics
Monday

2:00 P.M. UNION COOPERATION IN PROMOTING THE MARSHALL PLAN
CONRAD HILTON HOTEL
Lower Tower (28th Floor)

Chairman: Bro. L. Robert Shannon, F.S.C., St. Mary's College
Speaker: Rev. George G. Higgins, National Catholic Welfare Conference
Discussion: Francis J. Brown, DePaul University
Edward Marciniak, Editor, WORK

2:00 P.M. ORGANIZED DECISION-MAKING
PALMER HOUSE
Crystal Room (3rd Floor)

Chairman: Sebastian B. Littauer, Columbia University
Papers: BASIC PROBLEMS IN THE ECONOMIC THEORY OF TEAMS
Jacob Marschak, Cowles Commission for Research in Economics and University of Chicago
THE STUDY OF AN INFORMATION PROCESSING CENTER
Allen Newell, The RAND Corporation
Discussion: Daniel Gray, Massachusetts Institute of Technology
Nicolas Rashevsky, University of Chicago

2:00-2:30 P.M. APPLICATIONS OF NIELSEN INDEX SERVICES
PALMER HOUSE
Booth 28 Examination Hall

Speakers: J. P. Napier
C. J. Weber
John Boesel

2:00 P.M. TOUR OF OFFICES AND DISCUSSION OF OPERATING PROCEDURES
FIRST FEDERAL BUILDING
7 South Dearborn St.

First Federal Savings and Loan Association of Chicago
Limit of 15 persons on tour; information and reservations at information desks and in Press Room (CONRAD HILTON Room 19 on 4th floor; PALMER HOUSE Room 2 on 3rd floor).

2:30 P.M. ECONOMICS IN THE CURRICULA OF AGRICULTURAL COLLEGES IN CANADA AND THE UNITED STATES
CONRAD HILTON HOTEL
North Ballroom No. 2 (3rd Floor)

Chairman: John D. Black, Harvard University

Monday

Papers:

ECONOMICS IN THE CURRICULA OF AGRICULTURAL COLLEGES IN CANADA
Andrew Stewart, University of Alberta
ECONOMICS IN THE CURRICULA OF AGRICULTURAL COLLEGES IN THE UNITED STATES
T. K. Cowden, Michigan State College

Discussion:

D. Gale Johnson, University of Chicago
Frederick V. Waugh, U.S. Department of Agriculture

2:30 P.M. DISTRIBUTION AND UTILIZATION OF NATURAL GAS
CONRAD HILTON HOTEL
North Ballroom Assembly (3rd Floor)

Chairman: Eli W. Clemens, University of Maryland
Papers:

THE ECONOMICS OF PRODUCTION, CONSERVATION, AND DISTRIBUTION OF AN EXHAUSTIBLE RESOURCE: THE NATURAL GAS PROBLEM
Dudley F. Pegrum, University of California at Los Angeles
THE INTRODUCTION AND UTILIZATION OF NATURAL GAS: THE WISCONSIN EXPERIENCE
H. J. O'Leary, Wisconsin Public Service Commission

Discussion:

Horace M. Gray, University of Illinois
Joseph R. Rose, University of Pennsylvania

2:30 P.M. STUDIES IN TRADE UNION HISTORY AND DEVELOPMENT
CONRAD HILTON HOTEL
Private Dining Room No. 2 (3rd Floor)

Chairman: David A. McCabe, Princeton University
Papers:

THE GROWTH OF THE NATIONAL UNION IN THE U.S.
Lloyd Ulman, University of Minnesota
THE NATIONAL UNION OF MINEWORKERS IN GREAT BRITAIN UNDER NATIONALIZATION
George B. Baldwin, Massachusetts Institute of Technology

Discussion:

Solomon Barkin, Textile Workers Union of America
David Kaplan, International Brotherhood of Teamsters
Monday

2:30 P.M.
CONRAD HILTON HOTEL
West Ballroom
(3rd Floor)

Chairman:
Frederick H. Harbison, University of Chicago

Papers:
The Effective Utilization of the Labor Force
Industrial Relations Research Association

The Shifting Patterns in the Available Labor Force in the U.S.

The Adjustment of Patterns of Utilization to Available Labor Supply
Robert L. Clark, National Security Resources Board

Discussion:
Meredith B. Givens, N.Y. State Division of Placement & Unemployment Insurance
Dale Yoder, University of Minnesota

2:30-3:00 P.M.
PALMER HOUSE
Booth 32
Exhibition Hall

Speaker:
Lyman Forbes

How Much and How Many
Standard Rate and Data Service

3:00 P.M.
FEDERAL RESERVE BANK
230 South La Salle St.

Tour of Operations
Federal Reserve Bank of Chicago
Discussion with Economists of the Bank
Register for tour with personnel of the Chicago Bank at Exhibition Booth 13, CONRAD HILTON Hotel.

3:00 P.M.
MORRISON HOTEL
Hollywood Room
(Mezzanine)

Business Meeting
American Business Law Association

Chairman:
John F. Sembower, President, ABLA

3:30-5:00 P.M.
MORRISON HOTEL
Venetian Room
(2nd Floor)

Panel II: Automobile Insurance – A Major Property Insurance Problem
American Association of University Teachers of Insurance

Moderator:
Philip N. Snodgrass, General Casualty Company of Wisconsin

Speakers:
William Leslie, National Bureau of Casualty Underwriters
John M. Breen, Mutual Insurance Institute, Lumbermens Mutual Casualty Company

Monday

3:45 P.M.
PALMER HOUSE
Foyer of Grand Ballroom
(4th Floor)

Business Meeting
American Marketing Association

4:00 P.M.
CONRAD HILTON HOTEL
South Ballroom

Chairman:
Simeon E. Leland, Northwestern University

Papers:
General Equilibrium Aspects of Incidence Theory
Richard A. Musgrave, University of Michigan

Distribution of Government Burdens and Benefits by Income Classes
Rufus S. Tucker, General Motors Corporation

Discussion:
Harold M. Groves, University of Wisconsin
Earl R. Rolph, National Bureau of Economic Research
Richard B. Goode, International Monetary Fund

4:00 P.M.
PALMER HOUSE
Red Lacquer Room
(4th Floor)

Statistical Surveys as Legal Evidence
American Statistical Association

Chairman:
Leslie N. Jones, Illinois Bell Telephone Company

Speakers:
Melvin F. Wingert, DePaul University
W. Edwards Deming, Bureau of the Budget and New York University

Discussion:
Frederick F. Stephan, Princeton University
Shelby Grey, U. S. Food and Drug Administration

4:00 P.M.
PALMER HOUSE
Room 14
(Club Floor)

Determination of Means and Regression Coefficients
Joint Session: ASA, BS

Chairman:
Forman S. Acton, Forrestal Research Center, Princeton University

Papers:
Comparison of the Means of Two Samples
David Wallace, Princeton, New Jersey

Exposition of Straight Line Fitting Methods
Richard F. Link, Princeton, New Jersey
Monday

4:00 P.M.
PALMER HOUSE
Room 17
(Club Floor)

Chairman: Halbert L. Dunn, Office of Vital Statistics

Papers:
- PRODUCTION OF VITAL STATISTICS AS A COMBINED FEDERAL-STATE OPERATION
  - O. K. Sagen, State Department of Public Health, Illinois
- BROADENING THE SIGNIFICANCE OF VITAL STATISTICS THROUGH SPECIAL STUDIES
  - Paul M. Densen, University of Pittsburgh
- IMPROVING MARRIAGE AND DIVORCE STATISTICS
  - Hugh Carter, Office of Vital Statistics

Discussions:
- Howard West, Office of Vital Statistics
- Sam Shapiro, Office of Vital Statistics
- Paul C. Glick, Bureau of the Census

4:00 P.M.
HOTEL
CONRAD HILTON
Lower Tower
(28th Floor)

Chairman: Rev. Cletus F. Dirksen, C.PP.S., St. Joseph's College

Speakers:
- Rev. William J. Gibbons, S.J., National Catholic Rural Life Conference

Discussion:
- Rev. William J. Collins, St. Ambrose College
- Helen C. Potter, University of California

4:00 P.M.
CONRAD HILTON
HOTEL
Room 14
(Club Floor)

Chairman: Harold T. Davis, Northwestern University

Papers:
- WICKSELL'S ROLE IN THE DEVELOPMENT OF MATHEMATICAL ECONOMICS
  - Carl G. Uhr, California Study Commission on Unemployment Insurance
- AN EXTENSION OF PHILIP WICKSTEED'S THEORY OF DISTRIBUTION
  - Ralph W. Pfouts, University of North Carolina
- IRVING FISHER AND HIS TIME
  - Ross M. Robertson, University of Tennessee

Informal Discussion

Econometric Methods

Econometric Society

Chairman: Tjalling C. Koopmans, Cowles Commission for Research in Economics, and University of Chicago

Papers:
- CONSISTENT ESTIMATORS OF STRUCTURAL PARAMETERS
  - Jacob Wolfowitz, Cornell University and University of California at Los Angeles
- THE SPECIFICATION PROBLEM IN REGRESSION ANALYSIS
  - H. S. Houthakker, Cowles Commission for Research in Economics

Discussion:
- John Gurland, Iowa State College
- Guy H. Orcutt, Harvard University
- Christopher Winston, Cowles Commission for Research in Economics and Institute of Statistics, Oxford University

4:00 P.M.
PALMER HOUSE
Crystal Room
(3rd Floor)

Chairman: W. G. Madow, University of Illinois

VARIABLES FROM A UNIFIED POINT OF VIEW
- J. W. Tukey, Princeton University
- ON THE OPERATING CHARACTERISTIC OF A METHOD BASED ON THE F-DISTRIBUTION
  - H. Scheffe, Columbia University

Discussion:
- J. Neyman, University of California
- J. Cornfield, National Institute of Health

Annual Business Meeting

American Finance Association

Chairman: Rev. Raymond J. Miller, C.SS.R.
Monday

5:15 P.M.  
MORRISON HOTEL  
Venetian Room  
(2nd Floor)

Annual Business Meeting  
American Association of University Teachers  
of Insurance

Chairman:  
Howard S. Ellis, University of California

Papers:  
TRADE POLICY FOR THE FIFTIES  
Clair Wilcox, Swarthmore College  
STERLING CONVERTIBILITY AND SOME RELATED PROBLEMS  
William Adams Brown, Jr., Brookings Institution  
INTERNATIONAL MONETARY ARRANGEMENTS  
Gottfried Haberler, Harvard University

Discussion:  
Marcus Fleming, Columbia University  
Herbert Furth, Board of Governors of the Federal Reserve System  
John M. Letiche, University of California

6:00 P.M.  
CONRAD HILTON HOTEL  
Private Dining Room No. 6  
(3rd Floor)

Dinner Meeting of the Executive Committee  
American Economic Association

Chairman:  
Henry W. Steinhause, Equitable Life Assurance Society

Papers:  
THE CONCEPT OF ACTUARIAL SOUNDNESS  
Dorrance C. Bronson, Wyatt Company  
ACTUARIAL SOUNDNESS IN GROUP ANNUITY PLANS  
Ray M. Peterson, Equitable Life Assurance Society  
ACTUARIAL SOUNDNESS IN TRUSTEED AND GOVERNMENTAL RETIREMENT PLANS  
George B. Buck, Consulting Actuary  
LEGAL IMPLICATIONS OF ACTUARIAL SOUNDNESS  
Edwin S. Cohen, Hatch, Root, Barrett, Cohen & Knapp

LABOR'S VIEW OF ACTUARIAL REQUIREMENTS IN PENSION PLANS  
Solomon Barkin, Textile Workers, C.I.O.

6:00 P.M.  
PALMER HOUSE  
Room 6  
(3rd Floor)

1953 Council Meeting  
Institute of Mathematical Statistics

Chairman:  
Dr. Stuart Rice, President, International Statistical Institute and Bureau of the Budget

Papers:  
SOME RECENT APPLICATIONS OF STATISTICS IN AUSTRALIA  
Maurice H. Belz, Professor of Mathematics, University of Melbourne  
SOME RECENT DEVELOPMENTS IN CANADIAN STATISTICS  
Herbert Marshall, Dominion Statistician, Canada

RECENT APPLICATIONS OF QUALITY CONTROL IN JAPAN  
Dr. N. Yamaki, Mitsubishi Electric Manufacturing Company

RECENT SAMPLING SURVEYS OF POPULATION AND AGRICULTURE IN BENGAL  
N. Chakravarti, Director, State Statistical Bureau, Government of West Bengal

RECENT APPLICATIONS OF STATISTICAL METHODS ON NATIONAL INCOME  
Dr. G. Findlay Shirras, Visiting Professor of Economics, University of Illinois

6:30 P.M.  
CONRAD HILTON HOTEL  
Private Dining Room No. 9  
(3rd Floor)

Banquet  
American Business Law Association

Informal; for members, their wives and guests.

6:30 P.M.  
PALMER HOUSE  
Grand Ballroom  
(4th Floor)

Dinner for Past and Present Officers  
American Finance Association

Chairman:  
Dr. Stuart Rice, President, International Statistical Institute and Bureau of the Budget

Papers:  
What Is Actuarial Soundness in a Pension Plan?  
Joint Session: ASA AEA, AAUTI, IRRA

Chairman:  
Henry W. Steinhause, Equitable Life Assurance Society

Papers:  
SOME RECENT APPLICATIONS OF STATISTICS IN AUSTRALIA  
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Dr. G. Findlay Shirras, Visiting Professor of Economics, University of Illinois

7:00 P.M.  
MORRISON HOTEL  
Cotillion Room  
(2nd Floor)

Annual Banquet  
American Association of University Teachers of Insurance

Speaker:  
Dr. G. F. Tegtmeier, Medical Director, Northwestern Mutual Life Insurance Company

Topic:  
MORTALITY AND IMMORTALITY

Tickets $4.85, available at registration desk.

8:00 P.M.  
PALMER HOUSE  
Red Lacquer Room  
(4th Floor)

What Is Actuarial Soundness in a Pension Plan?  
Joint Session: ASA AEA, AAUTI, IRRA

Chairman:  
Henry W. Steinhause, Equitable Life Assurance Society

Papers:  
THE CONCEPT OF ACTUARIAL SOUNDNESS  
Dorrance C. Bronson, Wyatt Company  
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LABOR'S VIEW OF ACTUARIAL REQUIREMENTS IN PENSION PLANS  
Solomon Barkin, Textile Workers, C.I.O.

8:00 P.M.  
PALMER HOUSE  
Grand Ballroom  
(4th Floor)

Recent Applications of Statistical Methods in Various Countries  
American Statistical Association

Chairman:  
Dr. Stuart Rice, President, International Statistical Institute and Bureau of the Budget

Papers:  
SOME RECENT APPLICATIONS OF STATISTICS IN AUSTRALIA  
Maurice H. Belz, Professor of Mathematics, University of Melbourne  
SOME RECENT DEVELOPMENTS IN CANADIAN STATISTICS  
Herbert Marshall, Dominion Statistician, Canada

RECENT APPLICATIONS OF QUALITY CONTROL IN JAPAN  
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**SCHEDULE OF MEETINGS**

**Tuesday, December 30, 1952**

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<td>Application of Statistics in Engineering</td>
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**Chairman:**
- 8:00 A.M.: Robert E. Stone, Syracuse University
- 9:00 A.M.: Philip M. Hauser, University of Chicago
- 10:00 A.M.: Boyd Harshbarger, Virginia Polytechnic Institute

**Papers:**
- HOW TO MAKE BUSINESS LAW A PRACTICAL AND LIVE SUBJECT
- THE IMPORTANCE OF REAL ESTATE LAW IN THE BUSINESS LAW CURRICULUM
- TESTING HOMOGENEITY OF TREATMENTS IN AN ANALYSIS OF VARIANCE OF ENGINEERING DATA

**Discussions:**
- I. W. Burr, Purdue University
- John W. Tukey, Princeton University

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The Dryden Press

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Tuesday

Discussions: Morris Hansen, Bureau of the Census
Ivan Lee, University of California

10:00 A.M.
PALMER HOUSE
Crystal Room
(3rd Floor)

Contributed Papers III
Institute of Mathematical Statistics

Chairman: C. I. Bliss, Connecticut Agricultural Experiment Station

Papers:
(24) ESTIMATE OF THE INTERVAL RATE FOR
ACTUARIAL CALCULATION
J. Berkson, Mayo Clinic

(25) SIMULTANEOUS CONFIDENCE INTERVAL
ESTIMATION
R. C. Bose and S. N. Roy, University of North Carolina

(26) ON A SET OF SIMULTANEOUS CONFIDENCE INTERVAL STATEMENTS IN MULTIVARIATE
ANALYSIS OF VARIANCE
S. N. Roy and R. C. Bose, University of North Carolina

(27) ON A RELEVANT SET OF SIMULTANEOUS
CONFIDENCE INTERVAL STATEMENTS IN DISCRIMINANT ANALYSIS (By title)
S. N. Roy and R. C. Bose, University of North Carolina

(28) THE SEPARATION OF PRODUCT ERROR AND INSPECTION ERROR IN SAMPLING BY ATTRIBUTES

Tour of Operations
Federal Reserve Bank of Chicago
230 South La Salle St.

10:00 A.M.

Tour of Offices and Discussion of Operating Procedures
First National Bank of Chicago
58 South Dearborn St.

10:30 A.M.

C. C. Craig, University of Michigan

(29) THE RELATION BETWEEN FISHER'S DISCRIMINANT FUNCTION AND WALD'S CLASSIFICATION STATISTIC
H. L. Harter, Wright-Patterson Air Force Base

(30) ON THE DISTRIBUTION OF THE RATIO OF
THE i-th OBSERVATION IN AN ORDERED SAMPLING FROM A NORMAL POPULATION TO AN INDEPENDENT ESTIMATE OF THE STANDARD DEVIATION
K. C. S. Pillai and K. V. Ramachandran
University of North Carolina. Introduced by S. N. Roy, University of North Carolina:

(31) CYCLIC SOLUTIONS OF SYMMETRICAL
GROUP DIVISIBLE DESIGNS
S. S. Shrikhande, University of Kansas

(32) MEASURES OF ASSOCIATION IN CONTINGENCY TABLES (By title)
L. A. Goodman and W. H. Kruskal, University of Chicago

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Tuesday

12:00 M.  
PALMER HOUSE  
Room 6  
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Luncheon; Business Meeting – Committee on Statistics in Social Sciences  
American Statistical Association

12:00 M.  
PALMER HOUSE  
Crystal Room  
(3rd Floor)  

Invited Addresses  
Institute of Mathematical Statistics

Chairman: L. J. Savage, University of Chicago  
STOCHASTIC PROCESSES OCCURRING IN THE THEORY OF QUEUES AND THEIR ANALYSIS BY THE METHOD OF THE IMBEDDED MARKOV CHAIN  
David G. Kendall, University of Oxford and Princeton University  

SADDLE-POINT APPROXIMATIONS IN STATISTICS  
H. E. Daniels, University of Cambridge and University of Chicago

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