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PUBLICATIONS OF THE  
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**The Seventy-Fifth Anniversary Celebration of the American Statistical Association**



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# AMERICAN STATISTICAL ASSOCIATION.

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NEW SERIES, No. 105.

MARCH, 1914.

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## THE SEVENTY-FIFTH ANNIVERSARY CELEBRATION OF THE AMERICAN STATISTICAL ASSOCIATION.

The annual meeting of the American Statistical Association, held in Boston, February 13 and 14, 1914, took the form of a special celebration of the seventy-fifth anniversary of the organization of the Association in this city in 1839. The Association was founded by serious-minded men for a serious purpose, and this celebration was so planned and carried out as to fittingly exemplify the ideals of the founders and the well-established traditions of the Association.

Three sessions were devoted to the discussion of the progress of statistical science and statistical achievement during the period covered by the existence of the Association, and of the present status of such work, particularly in the United States. It would be impossible to adequately present in a brief summary the substance of this discussion or even the conclusions of the authors of the several papers. Some of these papers appear in this number of the QUARTERLY PUBLICATIONS and the rest will be printed in subsequent numbers or in the Memorial Volume\* which is to be prepared in commemoration of this event in the history of the Association.

It was a source of gratification to the members of the Association to learn that the Association is not only almost as old as the science of statistics, but that it has had no little part in shaping and promoting the wonderful development of statistical work during that past three quarters of a century.

The meetings were not devoted exclusively to business and serious discussion. Considerable opportunity was afforded for social intercourse among the members and guests at the headquarters, in the Hotel Copley-Plaza, and the final session took the form of a banquet at the Algonquin Club, which was

\*See Quarterly Publications of the American Statistical Association, Vol. XIII, p. 559.

attended by a larger number of ladies than had been present at the other sessions.

The extent of the interest aroused by this meeting is manifested in the unusually large attendance of members. There were over one hundred present, many of them coming from a considerable distance. In addition to members the following official representatives of other associations and institutions of learning were in attendance:

F. H. Giddings, American Sociological Society; Columbia University.

F. S. Baldwin, Boston University.

A. W. Whitney, University of California.

F. H. Hankins, Clark University and College.

Frank Sanborn, University of the State of New York.

W. F. Willcox, Cornell University; Royal Statistical Society of England.

D. R. Dewey, Massachusetts Institute of Technology; American Economic Association.

H. Lefavour, Simmons College.

Irving Fisher, Yale University.

W. M. Steuart, United States Department of Commerce.

J. M. Motley, Brown University.

R. S. McCrea, University of Pennsylvania.

F. A. Woods, American Association for the Advancement of Science.

C. H. Verrill, United States Department of Labor.

Herbert B. Dow, American Actuarial Society.

E. S. Macphail, Canadian Census Office.

Ernest H. Godfrey, Canadian Census Office.

Edmund E. Day, Harvard University.

M. L. de Pulligny and M. H. Bunle, Statistical Society of Paris.

Selskar M. Gunn, American Public Health Association.

F. L. Hoffman, American Academy of Political and Social Science; *Deutsche Statistische Gesellschaft*.

Worthington C. Ford, American Historical Society.

Henry C. Metcalf, Tufts College.

Special greetings were received from the following:

The Manchester Statistical Society (founded in 1833), through its president, Theodore Gregory.

The Royal Statistical Society, which had delegated Professor Willcox, one of the fellows, to represent it.

The Statistical Society of Paris, through its secretary, M. Borriol, and which was happily represented by M. Pulligny and M. Bunle.

The *Deutsche Statistische Gesellschaft*, through its secretary, Dr. Würzburger. Being unable to send a special delegate it fitly chose Mr. F. L. Hoffman to represent it.

The Central Statistical Commission of Austria, through its president, Dr. Robert Meyer, who appointed Professor Schumpeter of Vienna, who is now in this country, to represent it. Unfortunately Professor Schumpeter was on his way to the Pacific Coast, but sent flattering messages.

Luigi Bodio, Rome, Italy.

Julius de Vargha, former Director of the Central Statistical Office of Hungary and now Secretary of State.

Professor Julius Mandello, also of Hungary, an honorary member.

Professor C. A. Verijn Stuart, President of the Central Statistical Commission of the Netherlands, on behalf of the Dutch Society for Economics and Statistics.

*Verein für Geographie und Statistik*, Frankfort am Main, Professor Dr. Deckert, president.

Professor D. Landsberg, President Verband *Deutscher Stadtestatistiker*.

The Board of Directors of the Association elected the following honorary members at a special meeting held on February 14:

#### AUSTRALIA.

George Handley Knibbs, C. M. G., F. R. A. S., F. S. S., Commonwealth Statistician for Australia.

#### AUSTRIA.

Dr. Robert Meyer, Privy Councillor; former Minister of Finance; President of the Imperial and Royal Central Statistical Commission.

#### BELGIUM.

Professor Emile Waxweiler, Director of the Solvay Sociological Institute, Brussels; Professor of Statistics, Economics and Sociology at the University of Brussels; Member of the Royal Academy of Brussels.

## CANADA.

Dr. Archibald Blue, Chief Officer of the Census and Statistics Office.

## DENMARK.

Professor Harald Ludvig, Westergaard, Professor of Political Economy and Statistics at the University of Copenhagen; author of important books on the theory of statistics and on the principles of mortality and morbidity statistics.

## ENGLAND.

Sir J. Athelstane Baines, C. S. I., past President of the Royal Statistical Society; former Census Commissioner under the Government of India.

Major P. J. Craigie, C. B., past President of the Royal Statistical Society; former Secretary-General of the International Statistical Institute; former Director of Statistical Intelligence in the Board of Agriculture.

Arthur Newsholme, M. D., C. B., Medical Officer of the Local Government Board.

## FRANCE.

Jacques Bertillon, M. D., former Chief of the Statistical Department of the City of Paris; Member of the Superior Council of Statistics; past President of the Statistical Institute of Paris.

M. Yves Guyot, Member of the Superior Council of Statistics; past President of the Statistical Society of Paris; Ex-minister of Public Works.

M. Lucien March, Director of the *Statistique Générale de la France*; Member of the Superior Council of Statistics; past President of the Statistical Society of Paris.

## GERMANY.

Dr. Georg von Mayr, Ex-under Secretary of State for Alsace-Lorraine; former Director of the Royal Statistical Bureau of Bavaria; Honorary Member of the International Statistical Institute; Professor of Statistics, Finance and Political Economy at the University of Munich; President of the *Deutsche Statistische Gesellschaft*.

Dr. Wilhelm Lexis, Professor of Economics and Statistics at the University of Göttingen; former Vice-President of the

International Statistical Institute; *Geheimer Oberregierungsrat*.

Dr. E. Delbrück, President of the Imperial Statistical Office.

HUNGARY.

Dr. Julius de Vargha, Secretary of State; former Director of the Central Statistical Office of Hungary; Member of the Hungarian Academy of Sciences.

ITALY.

Carlo Francesco Ferraris, Professor of Administrative Science and Law at the Royal University of Padua; Member of the Superior Council of Statistics for Italy; Ex-minister of Public Works; Member of the Italian Parliament.

Rudolph Benini, Professor of Statistics in the University of Rome; Member of the Superior Council of Statistics.

JAPAN.

Dr. Naosaburo Hanabusa, Director of the General Statistical Bureau of Japan; Vice-President of the Statistical Society of Tokyo.

NETHERLANDS.

C. A. Verijn Stuart, Professor of Political Economy and Statistics at the University; President of the Central Statistical Commission of the Netherlands; Secretary-General of the International Statistical Institute; former Director of the Central Statistical Bureau.

NORWAY.

Andere Nicolai Kiaer, former Director of the Central Statistical Bureau of Norway; Associate of the Statistical Society of Paris.

RUSSIA.

Dr. P. J. Georgievsky, President of the Central Statistical Commission; Privy Councillor.

SWEDEN.

Dr. Gustav Sundbärg, Professor of Statistics at the University of Upsala; Editor of the International Statistical Summaries.

SWITZERLAND.

Dr. Louis Guillaume, Director of the Federal Statistical Bureau; former Secretary of the International Prison Congress.

Proceedings of the Seventy-Fifth Annual Meeting of the American Statistical Association, Boston, Mass., February 13-14, 1914



Robert E. Chaddock

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PROCEEDINGS OF THE SEVENTY-FIFTH ANNUAL  
MEETING OF THE AMERICAN STATISTICAL ASSO-  
CIATION, BOSTON, MASS., FEBRUARY 13-14, 1914.

The seventy-fifth annual meeting of the American Statistical Association was held in Boston, Mass., February 13-14, 1914. The following program was carried out with some slight changes:

PROGRAM.

*First Session, Friday, February 13, at 8 p. m.*

1. President's Address, John Koren.
2. The Development and Progress in Statistics during Seventy-five Years, S. N. D. North.
3. Brief Greetings by Invited Guests.

*Second Session, Saturday, February 14, at 10 a. m.*

1. Coöperation between Academic and Official Statistics, Walter F. Willcox.
2. The Service of Statistics:
  - a. To Economics, David Kinley.
  - b. To Sociology, F. H. Giddings.
  - c. To History, C. H. Hull.
  - d. To Biology, Raymond Pearl.

*Third Session, Saturday, February 14, at 2.30 p. m.*

1. Economic and Social Progress of the United States during Seventy-five Years, Frederick L. Hoffman.
2. The Present Status of Statistical Work and How it Needs to be Developed in the Service:
  - a. Of the Federal Government, W. S. Rossiter.
  - b. Of States, Adna F. Weber.
  - c. Of the Municipalities, F. Spencer Baldwin.
  - d. Of Private Societies and Organizations, W. S. Gifford.
3. Annual Business meeting.

*Saturday at 7.00 p. m., Banquet at the Algonquin Club, 217 Commonwealth Avenue.*

MINUTES.

The meeting was called to order at 4.30 p. m., by President John Koren.

The reports of officers were then called for.

## SECRETARY'S REPORT.

*Mr. President and Members of the Association:*

I have the following to report in regard to the condition of the Association:

Membership December 28, 1912, date of last annual meeting .....	634
New members added.....	93
Deaths during the year.....	9
Resignations .....	31
Dropped .....	1
Total deductions .....	41
Present membership .....	686
Net gain .....	52
Beside members we have:	
Subscribers (mostly libraries).....	187
Domestic Exchanges .....	37
Foreign Exchanges .....	115
Total mailing list.....	1,025

The following members have died during the year: John S. Billings, Henry T. Buffington, Robert C. Chapin, George G. Crocker, S. W. Dike, Henry W. Hoole, James MacAlister, H. J. Messenger, and J. B. Sewall.

Four regular numbers of the QUARTERLY PUBLICATIONS have been issued during the year, containing an aggregate of 329 pages, or an average of 82 pages per number. In addition to these, No. 4, which has been out of print and for which there has been a constant demand, was reprinted. This added about \$150 to the cost of printing for the year, but this expenditure has already been justified by the increased sales of early volumes and complete sets.

Four quarterly meetings have been held during the year, as follows: At the Yale Club, New York City, April 17, 1913; at the Ebbitt House, Washington, D. C., April 18, 1913; at the Yale Club, New York City, December 4, 1913; and at the Hotel Westminster, Boston, December 9, 1913. Each of these meetings took the form of a dinner, following which there was a discussion of some single topic. All of these meetings were well attended, and it seems well worth while to continue the

practice of holding such meetings in these three cities, in each of which there are at least one hundred members of the Association.

Respectfully submitted,

CARROLL W. DOTEN,  
*Secretary.*

On motion it was voted to accept the report of the secretary and to make it a part of the published proceedings of the meeting.

TREASURER'S REPORT.

December 24, 1912, to January 1, 1914.

RECEIPTS.

Membership Dues .....	\$962.42	
Sales and Subscriptions.....	459.95	
Dividends and Interest.....	198.97	
Balance on hand, December 24, 1912	302.68	
		\$1,924.02

EXPENDITURES.

Printing .....	\$872.64	
Postage .....	74.90	
Salaries and clerical service.....	409.33	
Expenses .....	25.20	
	\$1,382.07	
Balance on hand, January 1, 1914	541.95	
		\$1,924.02

ASSETS.

17 shares B. & A. R. R. Stock @ 188 per share.

S. B. PEARMAIN,  
*Treasurer.*

AUDITORS' REPORT.

We have audited the accounts of the treasurer of the American Statistical Association, for the year December 24, 1912, to January 1, 1914, and counted the securities in his possession. We find the accounts accurately stated and the expenditures properly vouched.

Respectfully submitted,

EDWARD M. HARTWELL,  
LEROY D. PEAVEY.  
*Auditing Committee.*

On motion both reports were accepted and ordered on file.

The Committee on Nominations, consisting of Davis R. Dewey, William M. Steuart, and Robert E. Chaddock, reported the following list of officers for the ensuing year: President, John Koren; Vice-Presidents, Charles P. Neill, Edward B. Phelps, Charles F. Gettemy, Charles H. Verrill, Joseph A. Hill; Librarian, Horace G. Wadlin; Treasurer, S. B. Pearmain; Secretary, Carroll W. Doten; Assistant Secretaries, Emil P. Secker, Robert E. Chaddock; Counsellors, S. N. D. North, Frederick L. Hoffman, Walter F. Willcox; Editor, William B. Bailey; Associate Editors, Frederick S. Crum, Warren M. Persons, Julius H. Parmelee, Louis I. Dublin; Committee on Finance, Edwin W. DeLeon, Miles M. Dawson, S. B. Pearmain; Committee on Library, Roger W. Babson, Edmund E. Day, Horace L. Wheeler.

It was voted on motion to favor the movement for the transfer of the function of recording vital statistics in Massachusetts from the Secretary of State to the State Board of Health.

Voted that a delegate be appointed by the president to meet with representatives of the American Society of Mechanical Engineers, to consider standards of graphic presentation of statistics. Leonard P. Ayres was appointed as such delegate

The following resolutions were read and adopted:

WHEREAS, there is great dearth of statistics relating to mortality and disability, due to occupational causes, in the United States;

WHEREAS, such statistics are urgently needed in the immediate present and will be yet more sorely needed in the near future, in order to enable problems of workmen's compensation to be dealt with adequately and economically, and in order to introduce and enforce better means of prevention;

WHEREAS, these statistics would be of the greatest interest and value to members of Congress, heads of departments charged with the enforcement of labor, prevention, or workmen's compensation laws, employers of labor in computing costs and in prevention of accidents, and to all the people;

WHEREAS, for the first time through registration of deaths among a population exceeding one half of the entire population of the nation, and through the taking of a census with due regard to occupation, covering in a separable manner the same population, thus for the first time enabling mortality tables according to occupation to be deduced;

WHEREAS, the special agents, appointed to advise the director of the census what portions of the work projected by his bureau must be dropped because of reduced appropriation therefor, have reported in favor of drop-

ping this investigation, estimated to cost not more than \$50,000, because the last to be added to the list in point of time;

WHEREAS, a large amount of money has already been expended upon this compilation in the collection of data, arranging the same, the complete analysis of the deaths by causes, by the sub-bureau of vital statistics and an expensive study of occupational classification, the benefit of all of which will be lost and this invaluable information, now so urgently required, be rendered unavailable until at least after another census will have been taken, unless something now be done; and

WHEREAS, there is now pending in the Senate a resolution offered by Hon. Morris Sheppard, Senator from Texas, calling upon the Commissioner of Labor Statistics to supply for the information of the Senate statistics concerning mortality and disability due to occupation, and the Commissioner of Labor Statistics has reported his willingness to undertake this task, with the coöperation of the Bureau of the Census and of others who have offered data and services; now, therefore, be it

*Resolved*, That the American Statistical Association, regularly assembled in the City of Boston at this, its seventy-fifth anniversary meeting, deplores and protests against the abandonment, by reason of the short-sighted parsimony of Congress, of the task of ascertaining from all the data available at this time all that can be learned therefrom concerning mortality and disability due to occupation; and further, be it

*Resolved*, That this Association urges upon the Senate of the United States, as a thing imperatively necessary at this time, the passage of the resolution offered by Senator Sheppard, to the end that information upon these important subjects may be made available as quickly as possible for guidance of the Senators in their consideration of measures for workmen's compensation, public health and prevention of occupational accident and disease, and for the general information of all in authority and of the people of the United States.

It was voted that the president appoint a committee of three members to consider amendments to the constitution of the Association, looking toward the wider participation of members in the nomination and election of officers and in other important matters to come before the Association.

The president appointed the following as such committee: Julius H. Parmelee, Frederick S. Crum, and Carroll W. Doten.

It was moved and carried that the question of further amendments to the constitution regarding fellows be referred to the Board of Directors, to be reported upon at or before the next annual meeting.

The president appointed Leroy D. Peavey and Roswell F. Phelps as an auditing committee for the coming year.

ROBERT E. CHADDOCK,  
*Acting Secretary.*