This PDF is a selection from an out-of-print volume from the National Bureau of Economic Research

Volume Title: Education, Income, and Human Capital

Volume Author/Editor: W. Lee Hansen, editor

Volume Publisher: NBER

Volume ISBN: 0-870-14218-6

Volume URL: http://www.nber.org/books/hans70-1

Publication Date: 1970

Chapter Title: Front matter, Education, Income, and Human Capital

Chapter Author: W. Lee Hansen

Chapter URL: http://www.nber.org/chapters/c3274

Chapter pages in book: (p. -12 - 0)

EDUCATION, INCOME, AND HUMAN CAPITAL



NATIONAL BUREAU OF ECONOMIC RESEARCH

CONFERENCE ON RESEARCH IN INCOME AND WEALTH

EDUCATION, INCOME, AND HUMAN CAPITAL . EDITED BY W. LEE HANSEN . UNIVERSITY OF WISCONSIN

Studies in Income and Wealth • VOLUME THIRTY-FIVE by the Conference on Research in Income and Wealth

NATIONAL BUREAU OF ECONOMIC RESEARCH
NEW YORK • DISTRIBUTED BY COLUMBIA UNIVERSITY PRESS
NEW YORK AND LONDON 1970

Copyright © 1970 by the National Bureau of Economic Research, Inc. All rights reserved L. C. CARD: 75-106811 ISBN 0-87014-218-6

Designed by TERRY REID

NATIONAL BUREAU OF ECONOMIC RESEARCH

Arthur F. Burns, Honorary Chairman Theodore O. Yntema, Chairman Walter W. Heller, Vice Chairman John R. Meyer, President Thomas D. Flynn, Treasurer Joan R. Tron, Director of Publications

OFFICERS

Victor R. Fuchs, Vice President-Research F. Thomas Juster, Vice President-Research Hal B. Lary, Vice President-Research Robert E. Lipsey, Vice President-Research Douglas H. Eldridge, Vice President-Administration

DIRECTORS AT LARGE

Joseph A. Bierne, Communications Workers of America Arthur F. Burns, Board of Governors of the Federal Reserve System Wallace J. Campbell, Foundation for Cooperative Housing Erwin D. Canham, Christian Science Monitor Robert F. Charpie, The Cabot Corporation Solomon Fabricant, New York University Frank W. Fetter, Hanover, New Hampshire Eugene P. Foley, Dreyfus Corporation Marion B. Folsom, Rochester, New York Eli Goldston, Eastern Gas and Fuel Associates Crawford H. Greenwalt, E. I du Pont de Nemours & Company

David L. Grove, IBM Corporation Walter W. Heller, University of Minnesota Vivian W. Henderson, Clark College John R. Meyer, Yale University J. Irwin Miller, Cummins Engine Company, Inc. Geoffrey H. Moore, Bureau of Labor Statistics J. Wilson Newman, Dun & Bradstreet, Inc. James J. O'Leary, United States Trust Company of New York Robert V. Rossa, Brown Brothers Harriman & Co. Boris Shishkin, AFL-CIO Lazare Teper, ILGWU Donald B. Woodward, Riverside, Connecticut Theodore O. Yntema, Oakland University

DIRECTORS BY UNIVERSITY APPOINTMENT

Moses Abromovitz, Stanford Gary S. Becker, Columbia Charles H. Berry, Princeton Francis M. Boddy, Minnesota Tom E. Davis, Cornell Otto Eckstein, Harvard Walter D. Fisher, Northwestern R. A. Gordon, California

Robert J. Lampman. Wisconsin Maurice W. Lee, North Carolina Lloyd G. Reynolds, Yale Robert M. Solow, Massachusetts Institute of Technology Henri Theil, Chicago Thomas A. Wilson, Toronto Willis J. Winn, Pennsylvania

DIRECTORS BY APPOINTMENT OF OTHER ORGANIZATIONS

Emilio G. Collado, Committee for Economic Development Thomas D. Flynn, American Institute of Certified Public Accountants Nathaniel Goldfinger, AFL-CIO Harold G. Halcrow, American Agricultural Economics Association

Douglas C. Hartle, Canadian Economics Association Walter E. Hoadley, American Finance Association Douglass C. North, Economic History Association Murray Shields, American Management Association George Cline Smith, National Association of Business Economists

Willard L. Thorp, American Economic Association

W. Allen Wallis, American Statistical Association

DIRECTORS EMERITI

Percival F. Brundage Gottfried Haberler

Albert J. Hettinger, Jr. Harry W. Laidler

George B. Roberts Jacob Viner

Joseph H. Willits

SPNIOR RESPARCH STAFF

Gary S. Becker Phillip Cagan *
Alfred H. Conrad
James S. Earley Solomon Fabricant Milton Friedman Victor R. Fuchs

Raymond W. Goldsmith Jack M. Guttentag Daniel M. Holland F. Thomas Juster C. Harry Kahn John F. Kain John W. Kendrick

Irving B. Kravis Hal B. Lary Robert E. Lipsey John R. Meyer Jacob Mincer Ilse Mintz Geoffrey H. Moore * M. Ishaq Nadiri Nancy Ruggles Richard Ruggles Robert P. Shay George J. Stigler Victor Zarnowitz

^{*} On leave.

RELATION OF THE NATIONAL BUREAU DIRECTORS TO PUBLICATIONS REPORTING CONFERENCE PROCEEDINGS

Since the present volume is a record of conference proceedings, it has been exempted from the rules governing submission of manuscripts to, and critical review by, the Board of Directors of the National Bureau.

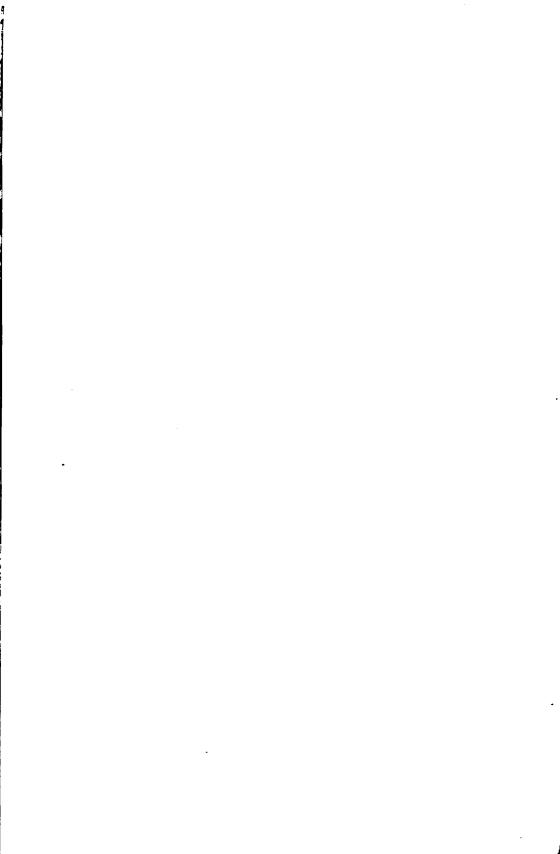
(Resolution adopted July 6, 1948, as revised November 21, 1949, and April 20, 1968)

PREFATORY NOTE

THIS volume of Studies in Income and Wealth contains most of the papers presented at the Conference on Education and Income held at the University of Wisconsin on November 15-16, 1968 and jointly sponsored by the University's Department of Economics and the Conference on Research in Income and Wealth. We are indebted to the University for making its facilities available to us for these sessions; to the National Science Foundation for its support; to the Program Committee consisting of W. Lee Hansen (chairman), Gary S. Becker, Sam Bowles, Albert Fishlow, Alice Rivlin, and Theodore W. Schultz; to the Editorial Committee composed of Messrs. Bowles, Hansen (conference editor), and Schultz; to Roger Kopstein who prepared the manuscript for publication; and to H. Irving Forman, for charting.

Executive Committee, 1969-70

Harold W. Watts, Chairman
Edward C. Budd
Jean B. Crockett
W. Lee Hansen
Dale W. Jorgenson
F. Thomas Juster
Maurice Liebenberg
Herman P. Miller
Stephen P. Taylor
Malcolm C. Urquhart
Mildred E. Courtney, Secretary



CONTENTS

INTRODUCTION · W. Lee Hansen	1
Education and Production Functions	
TOWARDS AN EDUCATIONAL PRODUCTION FUNCTION	11
Samuel Bowles	
Comments: John E. Brandl; John C. Hause	61
NOTES ON THE ROLE OF EDUCATION IN PRODUCTION	
functions and growth accounting · Zvi Griliches	71
Comments: John Conlisk; Richard R. Nelson	115
THE PRODUCTION OF HUMAN CAPITAL OVER TIME .	
Yoram Ben-Porath	129
Comments: Jacob Mincer; Lester C. Thurow	147
Education and the Distribution of Income	
AN INTERREGIONAL ANALYSIS OF SCHOOLING AND THE	
SKEWNESS OF INCOME · Barry R. Chiswick	157
Comments: Mary Jean Bowman; Duncan Foley	184

X · CONTENTS

EDUCATION	AND HUMAN	CAPITAL	IN	INTERNATIONAL	FCONOMICS
EDUCATION :	AND HUMAN	CAPHAL	IN.	INIEKNATIONAL	PCONOMIC

SKILLS, HUMAN CAPITAL, AND COMPARATIVE ADVANTAGE .	
Peter B. Kenen	195
Comments: Anne O. Krueger; Robert E. Baldwin; D. J. Daly	230
THE BRAIN DRAIN—IS A HUMAN CAPITAL APPROACH .	
JUSTIFIED? Anthony Scott	241
Comments: A. G. Holtmann; Larry A. Sjaastad	285
Conference Overview	
THE RECKONING OF EDUCATION AS HUMAN CAPITAL .	
T. W. Schultz	297
NOTES ON CONTRIBUTORS	307
AUTHOR INDEX	311
SUBJECT INDEX	315

EDUCATION, INCOME, AND HUMAN CAPITAL

,		
		•