

---

 THE JOURNAL OF POPULATION PROBLEMS

## (JINKO MONDAI KENKYU)

*Organ of the Institute of Population Problems of Japan*


---

<i>Editor:</i> Minoru Tachi	<i>Managing Editor:</i> Toshio Kuroda
<i>Associate Editors:</i> Tomiji Kaminishi	Kazumasa Kobayashi
Minoru Miyakawa	Yoichi Okazaki
	Kiichi Yamaguchi

---

## CONTENTS

## Articles

- An Estimate of Future Labor Force Population in Japan.....  
 ..... Hidehiko Hama and Chizuko Yamamoto... 1~15
- Population Movement and Life Structure in an Underdeveloped  
 Rural Area: Based on a Case Study of Iwaizumi-cho in  
 Iwate Prefecture, North-Eastern Region of Japan.....Sumiko Uchino...16~28
- Cohort Analysis of Child Physique.....Eiko Nakano...29~38
- Life-Anthropological Conception and Its Vision around Problems  
 of Population Quality: An Approach from the Viewpoints  
 of Physical and Cultural Anthropology.....Nobuo Shinozaki...39~50

## Book Reviews

- Larry K. Y. NG and Stuart Mudd (ed.), *The Population Crisis,  
 Implications and Plans for Action*.....51
- Nels Anderson (ed.), *Urbanism and Urbanization*.....52

## Miscellaneous News

- Regular Research Staff Meeting of the Institute—Publications by the  
 Institute—Visitors from Foreign Organizations to the Institute—The  
 Eleventh Pacific Science Congress Symposium No. 1 “Population Problems  
 in the Pacific: New Dimensions in Pacific Demography”—Results of  
 the 1965 Population Census of Japan (Final Count).....53~60
- 

Published by the

Institute of Population Problems, Ministry of Health and Welfare, Tokyo, Japan

---

 THE JOURNAL OF POPULATION PROBLEMS

## (JINKO MONDAI KENKYU)

*Organ of the Institute of Population Problems of Japan*


---

<i>Editor:</i> Minoru Tachi	<i>Managing Editor:</i> Toshio Kuroda
<i>Associate Editors:</i> Tomiji Kaminishi	Kazumasa Kobayashi
Minoru Miyakawa	Yoichi Okazaki
	Kiichi Yamaguchi

---

## CONTENTS

## Articles

- Economic Growth and Change of Agricultural and Fishing  
Population.....Shigeru Hayashi and Takayuki Inoue... 1~15
- Changes of Labor Mobility in Agriculture through the Period  
of High Economic Growth of Japan.....Yuichi Minakawa...16~31
- On the Actual State of School-age Children Not Attending  
School and Attending Special School.....Hisao Aoki...32~46
- Trend in the Maternal Mortality in Japan.....Shimako Ogino...47~56

## Book Reviews

- Stanley L. Friedlander, *Labor Migration and Economic Growth,  
A Case Study of Puerto Rico*.....57
- Minoru Muramatsu and Paul A. Happer(ed.), *Population Dynamics,  
International Action and Training Programs*.....58

## Miscellaneous News

- Study Project of the Institute for the 1966 Fiscal Year—Outline of the  
1966 Field Survey of the Institute—Regular Research Staff Meeting of  
the Institute—Publications by the Institute—Visitors from Foreign  
Organizations to the Institute—The 18th Annual Meeting of the Popu-  
lation Association of Japan—The 13th Annual Meeting of the Japan  
Society for Urban Studies—Second Regional Seminar of the Western  
Pacific Region, I.P.P.F.—Visit of President of the Institute of Population  
Problems, Korea .....59~70
- 

Published by the

Institute of Population Problems, Ministry of Health and Welfare, Tokyo, Japan

---

 THE JOURNAL OF POPULATION PROBLEMS

(JINKO MONDAI KENKYU)

*Organ of the Institute of Population Problems of Japan*


---

 Editor: Minoru TACHI                      Managing Editor: Toshio KURODA

Associate Editors: Tomiji KAMINISHI                      Kazumasa KOBAYASHI

Minoru MIYAKAWA                      Yoichi OKAZAKI                      Kiichi YAMAGUCHI

---

 Special Issue in Commemoration of the 100th Number of *The Journal of Population Problems*

## CONTENTS

## STRUCTURE AND DYNAMICS OF THE POPULATION OF JAPAN — PART ONE

- Introduction .....Tatsuo HONDA... 1 ~15
- I. Structure and Dynamics of the Population
1. Population Growth .....Masao UEDA...16~20
  2. Changes in Population Structure.....Masao UEDA...20~26
  3. Interrelationships between Population Structure and Reproduction  
.....Masao UEDA...27~34
  4. Future Projections of Size and Sex-Age Composition of the Popula-  
tion..... Hidehiko HAMA...34~41
  5. Changes and Future Projections of the Households.....  
.....Masao UEDA and Shigemi KONO...42~48
- II. Fertility
1. Levels and Trend of Fertility.....Shigemi KONO and Kiichi YAMAGUCHI...49~58
  2. Differential Fertility.....Hisao AOKI...58~64
  3. Nuptiality and Marital Status Structure Affecting Fertility.....  
.....Kiichi YAMAGUCHI...64~71
  4. Social and Economic Factors Affecting Fertility.....Shigemi KONO...71~76
  5. Effects of Family Planning Practice upon Fertility.....Hisao AOKI...76~81
- III. Mortality
1. Trend of Mortality.....Kazumasa KOBAYASHI...82~91
  2. Mortality in Life Tables.....Kazumasa KOBAYASHI...92~96
  3. Causes of Death.....Nobuo SHINOZAKI... 96~108
  4. Regional and Social Differentials in Mortality.....Shimako OGINO...108~114
- 

Published by the

Institute of Population Problems, Ministry of Health and Welfare, Tokyo, Japan

---

 THE JOURNAL OF POPULATION PROBLEMS

## (JINKO MONDAI KENKYU)

*Organ of the Institute of Population Problems of Japan*


---

<i>Editor:</i> Minoru TACHI	<i>Managing Editor:</i> Toshio KURODA
<i>Associate Editors:</i> Tomiji KAMINISHI	Kazumasa KOBAYASHI
Minoru MIYAKAWA	Yoichi OKAZAKI
	Kiichi YAMAGUCHI

---

Special Issue in Commemoration of the 100th Number of *The Journal of Population Problems* (continued)

## CONTENTS

## STRUCTURE AND DYNAMICS OF THE POPULATION OF JAPAN — PART TWO

## IV. Internal Migration

1. Trend and Characteristics of Migration ..... Toshio KURODA... 1~ 6
2. Migration of Farm Population ..... Yuichi MINAKAWA... 7~11
3. Inter-Industrial Mobility of Labour Force..... Yoichi OKAZAKI...11~17
4. Demographic Influence of Migration ..... Masao UEDA...17~27
5. Factors of Migration and Prospect of Migration ..... Toshio KURODA...27~29

## V. Regional Distribution of Population

1. Characteristics of Regional Distribution of Population ..... Hidehiko HAMA...30~34
2. Demographic Contrasts between North-Eastern and South-Western Halves of Japan ..... Masao UEDA...34~48
3. Agglomeration of Urban Population and Formation of Megalopolis ..... Masao UEDA...48~60
4. Projection of Regional Population ..... Hidehiko HAMA...60~66

## VI. Population Reproductivity

1. Over-all Review of the Population Reproductivity ..... Tatsuo HONDA...67~74
  2. Reproductivity of Rural Population ..... Yuichi MINAKAWA...75~82
  3. Reproductivity of Urban Population ..... Minoru MIYAKAWA...82~89
  4. Prospects and Problems of the Population Reproductivity .....  
..... Shigeru HAYASHI...90~94
-

---

 THE JOURNAL OF POPULATION PROBLEMS

(JINKO MONDAI KENKYU)

*Organ of the Institute of Population Problems of Japan*


---

 Editor: Minoru TACHI      Managing Editor: Toshio KURODA

Associate Editors: Tomiji KAMINISHI      Kazumasa KOBAYASHI

Minoru MIYAKAWA      Yoichi OKAZAKI      Kiichi YAMAGUCHI

---

 CONTENTS

## Articles

- Estimating Length of Life through Human Skeletal  
Remains from Neolithic Jomon Period of Japan.....Kazumasa KOBAYASHI... 1~10
- A Study of Recent Demographic Changes toward the  
Formation of Megalopolis.....Masao UEDA...11~29
- Estimated Future Population in Residence and Working  
Place by Minor Districts of Six Prefectures of Kinki  
Region, 1970~1985.....Hidehiko HAMA...30~50

## Material

- Congress Symposium on Population Problems of the  
Eleventh Pacific Science Congress.....Minoru TACHI...51~58

## Book Reviews

- Neil J. Smelser and Seymour Martin Lipset (eds.); *Social  
Structure and Mobility in Economic Development* (T.KURODA) .....59
- Tadeusz Bielicki and Zygmunt Welon, "Parent-Child Height  
Correlations at Ages 8 to 12 Years in Children from  
Wroclaw, Poland," and other six articles in *Human  
Biology*, Vol. 38, No. 3, 1966 (N.SHINOZAKI) .....60

## Miscellaneous News

- Regular Research Staff Meeting of the Institute—Publications by the  
Institute—Issue of Annual Reports, No. 11—Visitors from Foreign  
Organizations to the Institute—The 21st Joint-Meeting of the Anthro-  
pological and Ethnological Societies of Japan—The 34th Annual Meeting  
of Japan Statistical Society—The 39th Annual Meeting of the Sociological  
Society of Japan.....61~68
-

---

 THE JOURNAL OF POPULATION PROBLEMS

## (JINKO MONDAI KENKYU)

*Organ of the Institute of Population Problems of Japan*


---

<i>Editor:</i> Minoru TACHI	<i>Managing Editor:</i> Toshio KURODA
<i>Associate Editors:</i> Hisao AOKI	Tomiji KAMINISHI
Kazumasa KOBAYASHI	Yoichi OKAZAKI
	Kiichi YAMAGUCHI

---

## CONTENTS

## Articles

- Patterns of Population Change in Local Communities with Particular Reference to the Underdeveloped Areas.....Toshio KURODA... 1~13
- Demographic Structure and Its Change in the Underdeveloped Areas.....Yoichi OKAZAKI...14~25
- Characteristics of Farm-Households Leaving Farming in the Underdeveloped Areas.....Yuichi MINAKAWA...26~36
- Differential Attitude in Dietary Life in the Underdeveloped Areas..... Sumiko UCHINO...37~50
- Female Morbidity Rates in the Underdeveloped Areas.....Shimako OGINO...51~59

## Book Reviews

- N. Kaldor, *Causes of the Slow Rate of Economic Growth of the United Kingdom* (S.HAYASHI) .....60
- Charles W. Lloyd (ed.), *Human Reproduction and Sexual Behavior* (H.AOKI) .....61

## Miscellaneous News

- Study Project of the Institute for the 1967 Fiscal Year—Outline of the 1967 Field Survey of the Institute—Regular Research Staff Meeting of the Institute—Publications by the Institute—Visitors from Foreign Organizations to the Institute—The 19th Annual Meeting of the Population Association of Japan—The 14th Annual Meeting of the Japan Society for Urban Studies—Meeting of Expert Working Group on Problems of Internal Migration and Urbanization, Bangkok.....62~70
- Obituary: Late Professors Shao-hsing Chen and Chi-soo Youk.....71
-

## THE JOURNAL OF POPULATION PROBLEMS

## (JINKO MONDAI KENKYU)

*Organ of the Institute of Population Problems of Japan**Editor:* Minoru TACHI*Managing Editor:* Toshio KURODA*Associate Editors:*

Hisao AOKI

Tomiji KAMINISHI

Kazumasa KOBAYASHI

Yoichi OKAZAKI

Kiichi YAMAGUCHI

## CONTENTS

## Article

Quality of Aged Labor Force in Rural Areas and Its Problems...

..... Nobuo SHINOZAKI... 1~14

## Materials

The Population Reproductivity of Japan in Comparison with Other

Countries.....Kiichi YAMAGUCHI...15~38

Use of Couple Fertility Data for Life Cycle Studies..... Kazumasa KOBAYASHI.....39~48

International Population Union Sydney Conference, and Canberra

Conference, August 1967.....Toshio KURODA...49~59

## Book Reviews

Elenor G. Gilpatrick, *Structural Unemployment and Aggregate Demand*;*A Study of Employment and Unemployment in the United States,**1948-1964* (Y. OKAZAKI) .....60Joseph Winfield Fretz, *Immigrant Group Settlements in Paraguay, A**Study in the Sociology of Colonization* (Y. MINAKAWA) .....61

## Statistics

Standardized Vital Rates, Reproduction Rates, Intrinsic Vital Rates and

Stable Populations for All Japan: 1965 .....Kiichi YAMAGUCHI...62~68

## Miscellaneous News

Regular Research Staff Meeting of the Institute—Publications by the

Institute—Visitors from Foreign Organizations to the Institute—Inter-

national Union for the Scientific Study of Population, Sydney Conference.

—Visiting Scholars from the Korean Institute of Population Problems

and the Taiwan Population Studies Center .....69~72

Published by the

Institute of Population Problems, Ministry of Health and Welfare Tokyo, Japan

## THE JOURNAL OF POPULATION PROBLEMS

## (JINKO MONDAI KENKYU)

*Organ of the Institute of Population Problems of Japan*


---

*Editor:* Minoru TACHI      *Managing Editor:* Toshio KURODA  
*Associate Editors:* Hisao AOKI      Tomiji KAMINISHI  
Kazumasa KOBAYASHI      Yoichi OKAZAKI      Kiichi YAMAGUCHI

---

## CONTENTS

## Articles

- Growth Curve Applied to the Distribution of City Populations in Selected Countries .....Minoru TACHI and Hisako MISAWA... 1~11  
Reversal of Vital Rates and Internal Migration in Japan.....Toshio KURODA...12~20  
Change of Outflow of Labour Force from Farming Households in Recent Years and Its Problems.....Shigeru HAYASHI...21~31

## Materials

- The Population of Australia and Its Problems .....Yoichi OKAZAKI...32~42  
A Brief Report of the "Fourteenth Session of the United Nations Population Commission" .....Toshio KURODA...43~51

## Book Reviews

- Alva Myrdal and Viola Klein, *Women's Two Roles* (Y. OKAZAKI) .....52  
Leo F. Schnore, *The Urban Scene, Human Ecology and Demography* (T. KURODA).....53

## Statistics

- Standardized Vital Rates by Prefectures: 1965 .....  
.....Kiichi YAMAGUCHI and Michiko YAMAMOTO...54~58  
The 20th Abridged Life Tables (April 1, 1966~March 31, 1967) ...  
.....Kazumasa KOBAYASHI and Takeharu KANEKO...59~65

## Miscellaneous News

- Regular Research Staff Meeting of the Institute—Publications by the Institute—Publication of the Annual Reports, 1967—Visitors from Foreign Organizations to the Institute—The 40th Annual Meeting of the Sociological Society of Japan—The 35th Annual Meeting of Japan Statistical Society—The 9th Annual Meeting of the Socio-Gerontological Society of Japan—The 22nd Joint Meeting of the Anthropological Society of Nippon and the Japanese Society of Ethnology—The 14th Session of the UN Population Commission—The 3rd Regional Seminar of the Western Pacific Region, I. P. P. F.—Seminar in Family Planning, 1967—Statement on Population by World Leaders .....66~72  
**Obituary:** Mr. Tatsuo HONDA, Chief of the Division of Population Policy of the Institute .....72
- 

Published by the

Institute of Population Problems, Ministry of Health and Welfare Tokyo, Japan



THE JOURNAL OF POPULATION PROBLEMS  
(JINKO MONDAI KENKYU)

*Organ of the Institute of Population Problems of Japan*

---

*Editor:* Minoru TACHI      *Managing Editor:* Toshio KURODA  
*Associate Editors:* Hisao AOKI      Tomiji KAMINISHI  
Kazumasa KOBAYASHI      Yoichi OKAZAKI      Kiichi YAMAGUCHI

---

CONTENTS

Articles

Special Issue on the

POPULATION PROBLEMS IN JAPAN

- Preface.....Minoru TACHI... 1 ~ 5  
Significance of the Situation of Population and Population Problems  
of Present Japan (Posthumous Manuscripts) .....Tatsuo HONDA... 6 ~14  
Demographic Changes and Population Problems in Recent Japan  
.....Masao UEDA...15~29  
Actual State of Population Quality and Population Problems in  
Japan .....Nobuo SHINOZAKI...30~43  
Today's Population Problems Considered from the Viewpoint of  
Industry and Employment.....Shigeru HAYASHI...44~52  
Demographic Experience of Japan in View of International Scene:  
In Relation to Demographic Transition Theory .....Toshio KURODA...53~68

Book Reviews

- L. Dudley Stamp, *The Geography of Life and Death* (S. UCHINO).....69  
Colin Clark, *Population Growth and Land Use* (H. HAMA).....70

Miscellaneous News

- Personal Changes in the Institute—Study Projects of the Institute for the  
1968 Fiscal Year—Outline of the 1968 Field Survey of the Institute—  
Regular Research Staff Meeting of the Institute—Publications by the  
Institute—Visitors from Foreign Organizations to the Institute.....71~75  
Biography and Writings of the late Mr. Tatsuo HONDA.....76~80

---

Published by the

**Institute of Population Problems, Ministry of Health and Welfare Tokyo, Japan**

THE JOURNAL OF POPULATION PROBLEMS  
(JINKO MONDAI KENKYU)

*Organ of the Institute of Population Problems of Japan*

---

*Editor:* Minoru TACHI      *Managing Editor:* Toshio KURODA  
*Associate Editors:* Hisao AOKI      Tomiji KAMINISHI  
Kazumasa KOBAYASHI      Yoichi OKAZAKI      Kiichi YAMAGUCHI

---

**CONTENTS**

**Articles**

- Female Labour Force in Japan: Its Employment Structure and  
Change(1).....Yoichi OKAZAKI... 1~12  
Regional Variation in Reproduction of Labour Force Population  
in Japan.....Hidehiko HAMA...13~28  
On the Basic Fecundity of Japanese.....Hisao AOKI...29~42

**Material**

- Trends of Internal Migration in Japan.....Kiichi YAMAGUCHI...43~64

**Book Reviews**

- Judith Blake, "Income and Reproductive Motivation" (M. UEDA).....65  
Nihon Seikishogakukai (The Japanese Society of Biometeorology) (ed.),  
*Seikishogaku (Biometeorology)* (S. OGINO).....66

**Miscellaneous News**

- Regular Research Staff Meeting of the Institute—Publications by the  
Institute—Visitors from Foreign Organizations to the Institute—The  
20th Annual Meeting of the Population Association of Japan—Workshop  
Conference on Population Problems in East Asia—Establishment of  
Belgian Demographic Society .....67~72

---

Published by the

**Institute of Population Problems, Ministry of Health and Welfare Tokyo, Japan**

---

 THE JOURNAL OF POPULATION PROBLEMS

## (JINKO MONDAI KENKYU)

*Organ of the Institute of Population Problems of Japan*


---

*Editor:* Minoru TACHI      *Managing Editor:* Toshio KURODA  
*Associate Editors:* Hisao AOKI      Hidehiko HAMA  
 Tomiji KAMINISHI      Kazumasa KOBAYASHI      Kiichi YAMAGUCHI

---

**CONTENTS****Articles**

- Recent Trends of Fertility in Japan.....  
 .....Kazumasa KOBAYASHI and Kiichi YAMAGUCHI... 1~15
- Sex Ratio of the Presently Married in the Population Census of  
 Japan.....Eiko NAKANO...16~26

**Material**

- Effects of Changes in Prefectural Population and Fertility on the  
 National Fertility: 1960-1965...Kiichi YAMAGUCHI and Michiko YAMAMOTO...27~53

**Book Reviews**

- D. V. Glass, "Fertility Trends in Europe since the Second World  
 War" (K. KOBAYASHI) .....54
- Robert M. Marsh, *Comparative Sociology: A Codification of  
 Cross-Societal Analysis* (H. KOMAI) .....55

**Statistics**

- Indices of Population Reproductivity for All Japan: 1966 (K.  
 YAMAGUCHI and T. KANEKO) .....56~62

**Miscellaneous News**

- Regular Research Staff Meeting of the Institute—Publications by the  
 Institute—Visitors from Foreign Organizations to the Institute—The  
 15th Annual Meeting of the Japan Society for Urban Studies—The 36th  
 Annual Meeting of Japan Statistical Society—VIIIth International  
 Congress of Anthropological and Ethnological Sciences—Organization of  
 Demographic Associates Singapore Conference—World Population in 1967:  
 Major Areas and Selected Countries.....63~72
- 

Published by the

Institute of Population Problems, Ministry of Health and Welfare Tokyo, Japan

---

**THE JOURNAL OF POPULATION PROBLEMS**
**(JINKO MONDAI KENKYU)**
*Organ of the Institute of Population Problems of Japan*


---

*Editor:* Minoru TACHI*Managing Editor:* Toshio KURODA*Associate Editors:*

Hisao AOKI

Hidehiko HAMA

Tomiji KAMINISHI

Kazumasa KOBAYASHI

Kiichi YAMAGUCHI

---

**CONTENTS**
**Articles**

Economic Potentiality of the Internal Migration of Population

in Japan.....Minoru TACHI and Hisako MISAWA...1~19

Patterns of Population Change of Cities and Their Regional

Distribution.....Sumiko UCHINO...20~34

**Materials**

Recent Trends of Perinatal Mortality in Japan.....Shimako OGINO...35~52

Recent Trends of Migration in Japan.....Yoichi OKAZAKI and Tomi SUDA...53~64

**Book Reviews**

Sangyo Keikaku Kaigi (Industrial Planning Association) (ed.),

*15nen-go no Nippon no Nogyo (Agriculture of Japan**in 1980)* (S. HAYASHI).....65American Academy of Arts and Sciences(ed.), *Toward the Year**Two Thousand: Work in Progress* (N. SHINOZAKI) .....66**Miscellaneous News**

Regular Research Staff Meeting of the Institute—Publications by the

Institute—Publication of the Annual Reports, 1968—Visitors from

Foreign Organizations to the Institute—The 41th Annual Meeting of

the Sociological Society of Japan—I. P. P. F., Western Pacific Regional

Training and Seminar, 1968—East-West Center Population Studies Pro-

gram International Advisory Committee Meeting.....67~72

---

 Published by the

**Institute of Population Problems, Ministry of Health and Welfare Tokyo, Japan**

---

**THE JOURNAL OF POPULATION PROBLEMS**  
(JINKO MONDAI KENKYU)

*Organ of the Institute of Population Problems of Japan*

---

*Editor:* Minoru TACHI      *Managing Editor:* Toshio KURODA  
*Associate Editors:* Kazumasa KOBAYASHI   Hisao AOKI   Hidehiko HAMA  
Tomiji KAMINISHI   Kiichi YAMAGUCHI

---

**CONTENTS**

**Articles**

- Report of the Fifth Fertility Survey in 1967(1).....Kazumasa KOBAYASHI... 1~24  
Female Labour Force in Japan: Its Employment Structure and  
Change (2).....Yoichi OKAZAKI...25~39  
Intra-generational Mobility of Day Labourers in a Typical Slum  
of Tokyo ..... Hiroshi KOMAI...40~48

**Materials**

- Changes in the Fishery Population of Japan.....Takayuki INOUE...49~61  
"ODA" Workshop and International Advisory Committee held  
at East-West Center, Hawaii.....Toshio KURODA...62~71

**Book Reviews**

- Richard A. Easterlin, *Population, Labor Force, and Long Swings in  
Economic Growth, The American Experience* (T. KURODA).....72  
Recent Books on the Sexual Education in Japan (H. AOKI).....73

**Miscellaneous News**

- Study Projects of the Institute for the 1969 Fiscal Year—Outline of the  
1969 Field Survey of the Institute—Regular Research Staff Meeting of  
the Institute—Publications by the Institute—Visitors from Foreign  
Organizations to the Institute—Organization of Demographic Associates  
Work Shop at East-West Center, Hawaii.....74~80
-