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Appendix II

SOURCES OF DATA AND METHODS OF CALCULATION

GRAPH 1

GROSS NATIONAL PRODUCT AT FACTOR COSTS PER CAPITA FOR ALL COUNTRIES (YEAR IN PARENTHESES) FROM:

International Bank for Reconstruction and Development, World Bank Atlas. Population, per Capita Product and Growth Rates. Various Issues.-- Gross National Product at factor costs for China in 1969 estimated by the author at 130 US dollars per capita according to World Bank Atlas 1972, where GNP (at market prices) is indicated in 1970 at 160 US dollars per capita.

TRACTOR HORSEPOWER PER MALE AGRICULTURAL WORKER

European countries (1969): Belgium, Bulgaria, Czechoslovakia, France, Germany (East), Germany (West), Hungary, Italy, Luxembourg, Netherlands, Poland, Romania, USSR) and the United States of America from: A. Weber, "Arbeits- und bodensparende Technologien, Bestimmungsgründe und Indikatoren ihres Einsatzes in den EWG- und RGW-Ländern von 1960 bis 1969". Agrarwirtschaft, Hannover, 1973, p. 57-63.

Latin American countries (1968/1969): Argentina, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Paraguay, Peru, Uruguay, Venezuela from K. C. ABERCROMBIE, "Agricultural Mechanisation and Employment in Latin America". International Labour Review, Vol. 106, No. 1, pp. 11-45. The participation of women in the agricultural labor force in Latin America is, with the exception of Bolivia (45 %) and Peru (16 %), below 12 %. This is less than in most European countries. Therefore, we divided the quantity total tractor horsepower by the quantity total agricultural labor force. The source for these statistics is a publication by the United States Department of Agriculture, "The Latin American Farmer". ERS-Foreign 257. Washington 1969, p. 126.

Japan (1968): Japan Statistical Yearbook 1969, p. 102, 108.

India (1969): American Embassy, Brief on Indian Agriculture 1971. New Delhi. Table 19.-- Number of tractors (90 000) multiplied by 30 to obtain total tractor horsepower. Agricultural labor force from FAO, Production Yearbook 1971, p. 22 divided by two to obtain male workers.

China (1969): R. Peter Rochlin and Ernst Hagemann, Die Kollektivierung der Landwirtschaft in der Sowjetunion und der Volksrepublik China. Eine vergleichende Studie. Berlin 1971, p. 164.-- Agricultural labor force from FAO, Production Yearbook 1971, p. 23 divided by two to obtain male workers.

GRAPH 2

GROSS NATIONAL PRODUCT AT FACTOR COSTS PER CAPITA, OP. CIT. GRAPH 1. ELECTRICITY CONSUMPTION (YEAR IN PARENTHESES) IN AGRICULTURE:

Australia (1967): Economic Commission for Asia and the Far East. Electric Power in Asia and the Far East. (Further quoted as EPAFE). New York 1969, p. 74.

Bulgaria (1969): Statističeski Godišnik na Narodna Republika Bŏlgarija 1971, p. 156.

- China (1969): R. Peter Rochlin and Ernst Hagemann, op. cit. p. 162.
- Finland (1965): Sähkötarkastoslaitoksen Julkaisuja. Helsinki 1967, p. 152.
- France (1969): Statistique agricole, N^o 11-12, Novembre-Décembre 1971, p. 4.
- Germany (East) (1969): Statistisches Jahrbuch der Deutschen Demokratischen Republik 1971, p. 130.
- Germany (West) (1969): Statistisches Jahrbuch über Ernährung, Landwirtschaft und Forsten 1971, p. 140.
- India (1967): EPAFE.
- Italy (1969): Annuario di Statistica Agraria 1971, p. 227.
- Japan (1968): Statistical Yearbook 1969, p. 232.
- Hungary (1968): Statistical Yearbook 1968, p. 167.
- Korea (1967): EPAFE.
- New Zealand (1967): EPAFE.
- Poland (1969): Statystyka Rozwoju Elektroenergetyki Polskiej 1969. Warszawa 1970, p. 23.
- Portugal (1970): Ministério da Economica, Estatística das Instalações Electricas em Portugal. Ano de 1970. Lisboa 1972, p. 19.
- Spain (1969): Ministerio de Industria. Estadística de la Industria de Energia Electrica 1969, p. 21.
- Sweden (1969): Svenska Elverksföreningens Statistik. Driftåret 1970, p. 8.
- Taiwan (1969): EPAFE.
- United Kingdom (1969): The Electricity Council. Reports and Accounts for the year ended 31 March 1972. London 1972, p. 139.
- USA (1969): United States Department of Agriculture, Statistical Reporting Service, "Agricultural Prices", December 1967, p. 25 and last issue.
- USSR (1969): R. Peter Rochlin and Ernst Hagemann, op. cit. p. 142.

Data of agricultural workers for Portugal, Spain, Taiwan, Korea (South) have been taken from FAO-Production Yearbooks. To obtain male workers we divided by two the reported agricultural labor force.

The percentage of women in the agricultural labor force in English speaking (Australia, New Zealand, United Kingdom) and Scandinavian countries (Finland, Sweden) is of minor importance (see W. J. Thomas, The Changing Structure of Agriculture's Labour Force. Proceedings of the Twelfth International Conference of Agricultural Economists. London 1966, p. 301.). We were assuming that the FAO-data in those countries reflect approximately the quantity of male workers in agriculture.