MPETITION AMONG DIFFERENT TYPES OF MEAT BOUGHT BY FRENCH HOUSEHOLDS AND ESPECIALLY A QUESTION OF PRICE

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The choice among the different kinds of meat consumed by households is still largely determined by the relation between the the choice among the different kinds of meat consumed by nousenous is still target, deliberated the different kinds of meat. This study utilizes the results of panel data from a survey of french households (SECODIP) over the

hospite meats tend to increase their share of the market. This is the case with respect to chicken, turkey, fresh pork and beef benefits from the meats tend to increase their share of the market. This is the case with respect to emeats, being productivity and pork benefit from low costs of production and a trend of rising productivity. Ground beef benefits from the

Ve cuts and expensive types of meat tend to lose market share. This is the case for the cuts of beef and horsemeat used and expensive types of meat tend to lose market share. This is the case for the cuts of th roasting, their price in Europe remaining elevated relative to the other meat. Nevertneess, for latine, giving their share of the market as a result of a decline in their relative price associated with the entry of the market as a result of a decline in their relative price associated with the entry of the market as a result of a decline in their relative price associated with the entry of the market as a result of a decline in their relative price associated with the entry of the market as a result of a decline in their relative price associated with the entry of the market as a result of a decline in their relative price associated with the entry of the market as a result of a decline in their relative price associated with the entry of the market as a result of a decline in their relative price associated with the entry of the market as a result of a decline in their relative price associated with the entry of the market as a result of a decline in their relative price associated with the entry of the market as a result of a decline in their relative price associated with the entry of the market as a result of a decline in their relative price associated with the entry of the market as a result of a decline in their relative price associated with the entry of the market as a result of a decline in their relative price associated with the entry of the market as a result of a decline in their relative price associated with the entry of the market as a result of a decline in their relative price associated with the entry of the market as a result of a decline in their relative price associated with the entry of the market as a result of a decline in the entry of the market as a result of a decline in the entry of the market as a result of the entry of the market as a result of the market as a result of the entry of the

heats have lost market share independently of the shift in relative prices. This is the case for cuts of beef, veal, have lost market share independently of the shift in relative prices. This is the case to the shift in relative prices. This is the case to the share independently of the shift in relative prices. This is the case to the share independently of the shift in relative prices. This is the case to the share independently of the shift in relative prices. This is the case to the case to the shift in relative prices. This is the case to the case to the shift in relative prices. price as a consequence of the indadaptability of slow preparation to the modern way of life.

also true as a consequence of the indadaptability of slow preparation to the modern way of the of veal, which for a long time has suffered the consequences of a certain aversion among some consumers for meat produced

Shall conditions.

Shall be caperial conditions. France, like the EEC, has experienced an erosion in the share of the market for meat new by the control of the production of non-ruminants. Future reforms of the CAP could exacerbate this tendency by reducing the cost of cereals feedstocks for pork and poultry. ODUCTION AND METHODS

METHODS

The "and be divided into two parts: household consumption, on the one hand and outside the household consumption, on the one hand and outside the household consumption, on the one hand and outside the household portion. the "outside" portion is currently increasing to the detriment of the "household" portion. In any case the "household" portion is well documented The "outside" portion is currently increasing to the detriment of the "household" portion. In any case the "superior in volume, approximately 75% of all meat consumption. In France this "household" portion is well documented the "household" portion in volume, approximately 75% of all meat consumption. In France this "household" portion is well documented the "household" portion in volume, approximately 75% of all meat consumption. In France this "household" portion is well documented the "household" portion in volume, approximately 75% of all meat consumption. In France this "household" portion is well documented the "household" portion in volume, approximately 75% of all meat consumption. In France this "household" portion is well documented the "household" portion in volume, approximately 75% of all meat consumption. panel study of 4000 households, called the **Secodip Panel**, which has operated for the past 15 years. This panel studies household and each animal and each penel study of 4000 households, called the **Secodip Panel**, which has operated for the past 15 years. This panel study of 4000 households, called the **Secodip Panel**, which has operated for the past 15 years. This panel study of 4000 households, called the **Secodip Panel**, which has operated for the past 15 years. This panel study of 4000 households, called the **Secodip Panel**, which has operated for the past 15 years. This panel study of 4000 households, called the **Secodip Panel**, which has operated for the past 15 years.

The share of a particular product is expressed as the % of the total annual meat purchase by households. A particular product is expressed as the % of the total annual meat purchase by notice.

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A particular product is expressed as the % of the total annual meat purchase by notice by n Price of a product is calculated as an annual index: average weighted price of all meats bought.

average weighted price of all meats bought.

or decrease on the same product price on the decreased. By superimposing the relative price index graph with the market share graph for the same product, decreased. By superimposing the relative price index graph with the market snare graph to the special sease by case, the influence of price. To be more precise we are superimposing the variations of relative price on the special s Soft volume bought by the households. We will see that price induced determinism is constantly present but that more and more other Nolume bought by the households. We will see that price induced determine bought by the households. We will see that price induced determine the nature of these masking factors are both psychological and sociological. The nature of these masking factors are both psychological and sociological.

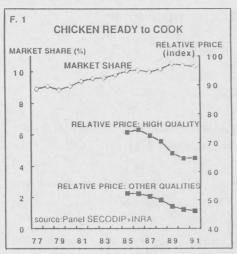
The nature of these masking factors are both psychological and sociological.

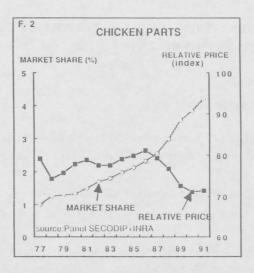
The meats, those that by convention have a relative price between 60 and 110 are comprised of three product families:

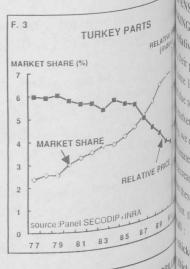
 T_{he} that by convention have a relative price verween of and T_{he} meats of non-ruminants: chicken, turkey, fresh pork-these are meats to be roasted or grilled

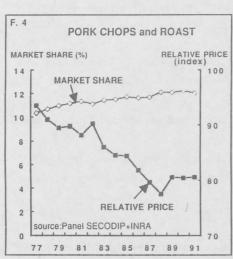
The ground meats of beef-meats to be grilled

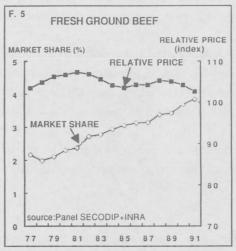
The meat cuts of beef, weal, lamb, pork, horse-destined for braising and other slow cookings methods meats. The meats of beef-meats to be gruted meats of beef, weal, lamb, pork, horse-destined for braising and other slow cookings methods methods meats, those that have a relative price index between 110 and 170 are comprised of those meat cuts of beef, veal, lamb, and relative price index between 110 and 170 are comprised of those meat cuts of beef, veal, lamb, and

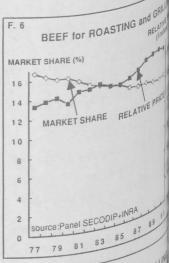


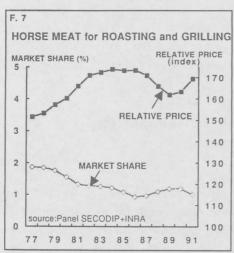


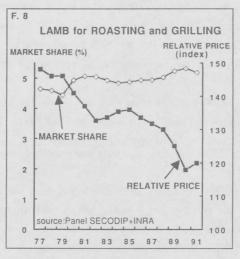




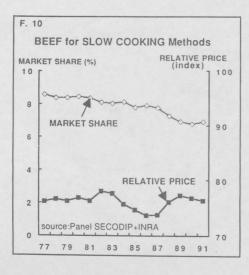


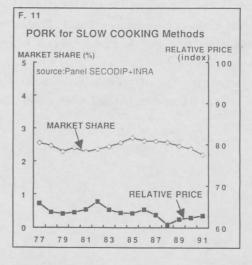


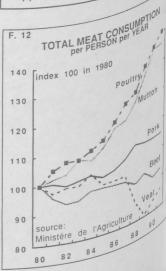












MEATS, EXCLUDING THOSE INFERIOR CUTS PREPARED BY BRAISING OR OTHER SLOW METHODS, TEND TO INCREASE THEIR MARKET SHARE

Price of the meat of non-ruminants (pork and poultry) decreased during the period under consideration. In production costs are essentially dependent on the price of grain and the price of grain has clearly decreased in constant prices in the In addition these animals (chicken, turkey, pork) have benefited from a constant progress of productivity during the entire genetic advances as well as advances in breeding and slaughtering techniques. The high level of competition that reigns in the Senetic advances as well as advances in breeding and staughtering techniques. The ting. The ting the producers of these species to pass on to the consumer a major portion. The producers of these species to pass on to the consumer a major portion. The producers of these species to pass on to the consumer a major portion. lely 10% (figure n°1 to n°4).

(figure n°1 to n°4).

Rese in relative price means that for the consumer, these products become increasingly more economically attractive. In a parallel products which inspire more and more distrust, the relative price means that for the consumer, these products become increasing.) the presse largely echos. In spite of this unfavorable opinion, the market portion of these products has increased

- + 1 market share points betwen 1977 and 1991 (figure n°1)
- + 3 market share points betwen 1977 and 1991 (figure n°2)

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211

+ 4 market share points between 1977 and 1991 (figure n°4) and roasts + 2 market share points betwen 1977 and 1991 (lightern 4)

apply beef is a relatively inexpensive meat: its relative price index is close to 100 (figure n°5). Its relative price pproximately stable for the entire period with a slight tendancy to decrease at the end of the period. The industrial production of portion of ground beef has developped immensely particularly during the observed period. This one has gradually been substituted ground beef has developped immensely particularly during the observed beef. The market share of ground beef has dramatically and regularly increased during the observed hiptease certainly favored by the stability in relative price but not exclusively. In effect the developpement of brands, of publicity and campaingns, and of the bacteriological as well as organoleptic qualities of industrially produced ground beef are other factors this increase in market share.

CUTS AND EXPENSIVE TYPES OF MEAT TEND TO LOSE MARKET SHARE the meats, whose relative price indexes are situated between 110 and 170, meats cuts of beef, veal, lamb and horse for grilling or measurement, whose relative price indexes are situated between 110 and 170, meats cuts of beef, veal, lamb and horse for grilling or measurement. These species all have in common their use of rougher feed than the monogastric (non ruminant) animals, meaning cellulose feeds Species all have in common their use of rougher feed than the monogastic (non-tanger). Although the horse is not a ruminant, given its marginal share we will regroup it under the term of "ruminant".

grilling or roasting are the meats most representative of this group (figure n° 6). They were already expensive 15 years grilling or roasting are the meats most representative of this group (figure n=0). They were already for 150 in 1977) and have become even more expensive relative to the other meats (index of 163 in 1991). Over the entire of 150 in 1977) and have become even more and these meats lost market share; 4 points in 15 years.

heat for grilling or roasting, whose market share is very small, followed exactly the same evolutionary tendencies as the beef sed above.

the hand, lamb cuts for grilling or roasting (figure n° 8), which were, like beef cuts of this group, an expensive meat in 1977 the consistence of to 150) have followed a volume-price evolution exactly opposite that followed by the beef cuts. Their relative price has not the bear has gained more than one point in 15 years. This gain diminish (index of 120 in 1991) and their market share has gained more than one point in 15 years. This gain "minish (index of 120 in 1991) and the order of magnitude increase in volume per person.

for grilling or roasting, which are a medium expensive meat, do not clearly obey the simple logic of relative price which we Rilling or roasting, which are a medium of the cases of beef, horse meat and lamb (figure n° 9.

the cases of beef, horse meat and lamb (figure it 5. relative price level.

CERTAIN MEATS HAVE LOST MARKET SHARE INDEPENDENTLY OF THE SHIFT IN RELATIVE PRICES

The simple, general conclusion illustrated and pronounced above is not applicable to all meat products. The exceptions, which as well often confirm the rules, are interesting to analyse. They reveal the principle of the rules often confirm the rules, are interesting to analyse. They reveal the existence of factor others than relative price which can occasionnal influence.

Veal cuts to be grilled or roasted, which were expensive in the 1960's, have slowly become a medium expensive mean productivity of powdered milk subsidies and progress in productivity (figure n° 9). Despite this, until 1986, these meats slowly lost market shift.

We know that these meats, traditionally highly consumed in Eq. (1) We know that these meats, traditionally highly consumed in France, have suffered the mistrust of some consumers with regards to veal said to be "industrial". Stockward year production veal said to be "industrial". Stockyard veal production was introduced into France during the 1960's and the immediate mistrust of some consumer has been subject to periods of severa prioric (1972). consumer has been subject to periods of severe crisis (1973 an 1981 boycotts). Nevertheless and important shortage of veal occurred to 1989. This provoked a relative price escalation for weal. 1987 to 1989. This provoked a relative price escalation for yeal. The yeal shortage was the indirect consequence of the milk provided a restructuring policy of the EEC and has nothing to do with account. restructuring policy of the EEC and has nothing to do with consumer misrut. This spectacular scissor gap of price to market sharp in the sensibility. 1989 testifies to the permanence of the sensibility towards supply an demand beyond the tendancies to abandon consumption.

Those cuts of beef, veal, lamb, pork and horse, for braising and other slow cooking methods, are inexpensive.

Their relative price index is situated between 60 an 110 and are constant. Their relative price index is situated between 60 an 110 and are generally stable or in slight regression. Their respective market should not profit from this retail price advantage. Their market should be the stable of the st do not profit from this retail price advantage. Their market share even shows a tendancy to slightly decrease (figure not show that these products are more and more excluded from made.) We know that these products are more and more excluded from modern ways of living because they require long cooking times and knowledge that is little by little being lost. The success of ground more knowledge that is little by little being lost. The success of ground meats, which are fabricated with the same muscles as those for bright slow cooking, bears witness to this inadaptability and remedies the

After having examined, case by case, the different meat products bought by households, relative price has appaeared most of the principal factor to explain the evolution of respective market of the most automatical and the second sec

The meat cuts of ruminants for grilling or roasting are expensive meats.

- they have tended to lose market share when they become even more expensive (beef + veal)

The meats of non-ruminants are inexpensive meats that are becoming even less expensive. They all tend to gain market share despite their industrial meat character.

This dominant influence of price is occasionnally masked by other factors of a psycho-sociological nature. Thus veal crystallizes its farm opinion's mistrust concerning meats said to be "industrial" Veal has less as opinion's mistrust concerning meats said to be "industrial". Veal has long suffered a slow erosion of its market share, despite its faul (except since 1988) evolution of relative price. Similarly all meat cuts for (except since 1988) evolution of relative price. Similarly, all meat cuts for slow cooking methods, despite their advantageous prices progressed in market share. They reveal themselves indadantable to the limit. progressed in market share. They reveal themselves indadaptable to the living conditions and manners of our modernized societys.

The next reform of the CAP (common agricultural and in a condition) and manners of our modernized society three conditions are conditions and manners of our modernized society three conditions. The next reform of the CAP (common agricultural policy) of the EEC envisions a price decrease for cereals of 25 % over three years evolution will translate mechanically by a reduction in the price cost of popular action. evolution will translate mechanically by a reduction in the price cost of non-ruminants by a magnitude of 20 %. This savings could be on to retail prices, with of course a clearly weaker amplitude. The relatives are on to retail prices, with of course a clearly weaker amplitude. The relatives prices of the meats of non-ruminants could take a greater admit from this grain price decrease than the meats of the ruminants. The objective prices of the meats of non-ruminants could therefore the price of the meats of non-ruminants could the ruminants. from this grain price decrease than the meats of the ruminants. The observed tendancy for the recent past could therefore further accentuated during the next ten years.

MAINSANT P. 1992	The consumption of yeal in France and EEC. Conférence SIMAVIP, 14 p.	
		-01

DE FONTGUYON G. 1990 Pork is loosing more and more market shares to poultry competition. Porcin research days, 23, 217-220 Evolution of the food model in France from 1940 and Evolution of the food model in France from 1949 to 1988. 5th Meat Researcher meeting, Paris Lamb, festiv or too expensive 2 Page 1949.

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MAINSANT P. 1987 Lamb, festiv or too expensive? Pâtre n° 342, 49-53

Beef consumption, price effects and income effects. Filière viande n° 76, p. 11-15 MAINSANT P. 1985