Vision of Pedigree Registration of Pig Breeds

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S BRITAINIC RARE BREEDS

Fig. I. British Old Breed "Oxford Sandy & Black"

I. Stockbreeding Method History

There are three agendum of selection with within stockbreeding method history: (1)1660s the Royal Society of London for Improving Natural Knowledge initiate the farm animal exhibition as Royal Show continuously from that day. Good quality pig exterior in it type and conformation are improved popularity. (Fig. I.)

After ten decade, **(2)1770s** that belong to Bakewell conducted with farm animal pedigree as human's registration of a birth notable as

beginning of the modern animal breeding; a farm animal having a family of pedigree.

Bakewell speak to purebred breeders going to associated a breed registration club for preservation the breed purity. 1797, Thoroughbred herd book, Shorthorn (1882) and Hereford (1846) herd book was published one after another. 1884 British Pig Association was found and is the official breed society that maintain the Herd Books for the Old Sports, Hampshire, Large Black, Large White, Mangalitza, Middle White, Oxford Sandy & Black(Fig. I.), Pietrain,

Tamworth and Welsh. The animal breeds registry system spread through the world. Before long, these implement systemic improve farm animals led to Britain became a big breeding stocks supplying nation.

After other ten decade, (3)1886 a live hogs import ban was enacted by the German Diet. Other than the U.K. English Channel away so supplying the carcass or part meat for German needs, other adjacent nation Denmark particular blow by this ban. But fortunately Denmark covertly and quickly established a performance

testing station in Fyn Island to research in compare the growing ability and its carcass traits. Be often it too in 17 years study, age of market weight(90*Kg*) was decrease a 17 days, feed conversion ratio was 4.5*Kg* tremendous reduction to 3.3*Kg*, in 1905 Dane announce publicly first successful boar testing station in the world.

This last agenda of stockbreeding method also rapidly spread out the advance countries to established performance testing facility strengthen the foundations of the nation systematic improvement method of farm animals.

II. Pig Improvement System in Taiwan

From evaluation pig exterior, pedigree registry and performance testing its time series in advance nations and Taiwan as follows Fig. II. & Fig. III respectively.

1662 exterior; type and conformation



Fig. II. Time series of Advance Nations.

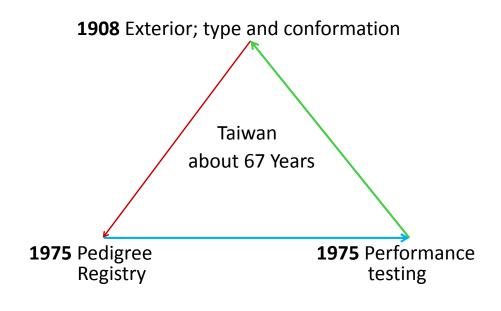
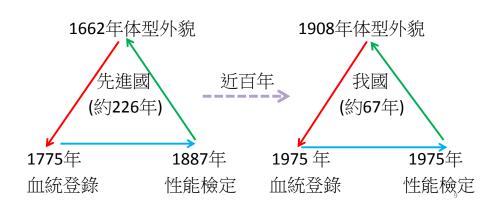


Fig.III. Time series of Taiwan.

二. 我國種豬改良制度的演變

比較先進國與我國的種豬改良,自評鑑其体型外 貌,至進行種豬的血統系譜之種豬登錄,到重視種 豬的性能檢定之年代進程如下圖。



3.水波瑞生 **SUIPO** 1.水波瑞峰 **JUEI SENG SUIPO JUEI FONG** 4.水波酥蜜 **SUIPO** 水波瑞鳳凰 SU MI **SUIPO JUEI HONG FANG** 5.東盈約翰 2.水波鳳蘭 **TONGYIN SUIPO JOHN HONG LANG** 6.東盈美姿 **TONGYIN MEI CHU**

第1號梅花獎金牌豬水波瑞鳳凰之血統系譜圖

III. Pedigree for Vision

(I)Landrace boar with a Plum Blossom Award.

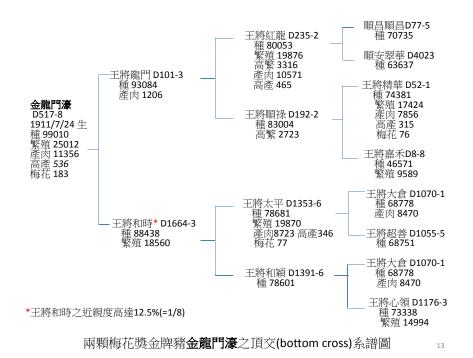
SUIPO JUEI HONG FANG,

	Sire
Sire	SUIPO JUEI SENG
SUIPO JUEI FONG	Dam
	SUIPO SU MI
	Sire
Dam	TONGYIN JOHN
SUIPO HONG LANG	Dam
JOIL O LIGHT LAING	TONGYIN MEI CHU 10

(II)Duroc boar with double Plum Blossom Award.

KIMLUNG MEN HOU,

KINIEGING MEN 1100,		
Sire WANG CHIAN	Sire WANG CHIAN HONG LUNG	SIRE SUN AN SUN CHAN Dam SUN AN CHUI HUA
LUNG MEN	Dam WANG CHIAN SUN LU	Sire WANG CHIAN CHIN Hua
		WANG CHIAN CHIA Ho
Dam WANG CHIAN HO SH Sire WANG CHIAN TAI PING Dam WANG CHIAN HO IN	WANG CHIAN	Sire WANG CHIAN TA CHAn
		Dam WANG CHIAN CHAU San
		Sire WANG CHIAN TA CHAn
		Dam WANG CHIAN SHIN Lin



Farms like improving their breeding stock themselves and unlike to dependent on the synthetic enterprise.

種豬場愛自己改良自己的種豬而無愛依賴合成豬場所做的改良。

 Hogs from synthesis breed are more uniformity in carcass evaluation but not fit for live hogs oction market in Taiwan.

合成豬的屠体整齊度較好有利屠体評級但其肉豬体型無適合台灣的毛豬拍賣市場。

IV. Why not Synthesis but Pure Breed

For the principle of "KISS" (Keep It Simple to be Sustainable) was emphasized in the start up phase of the pig registry system in 1974 by the Industry/Government/academia cooperation staff and fully agree with to emulate traditional european method not synthesis breed.

- Synthetic breed is favor of enterprise not of intensive farms (hereinafter; farms).
 - 合成豬適合大企業生產不適種豬場生產4。
- O Synthesis breed are significant improvement in growth rate, feed efficiency, loin-eye area but worse in carcass dressing percentage, and estimated those heritabilities were not sufficiently different from contemporary purebreds as that additive genetic variance had been changed by mixing breeds.
- . 合成豬在生長速率、飼效、腰眼面積等都 有顯著性改進,但在屠宰率則較差。同時 估計該等遺傳率時則比純種者差,應係多 品種的雜交後降低其各遺傳變方所致。