

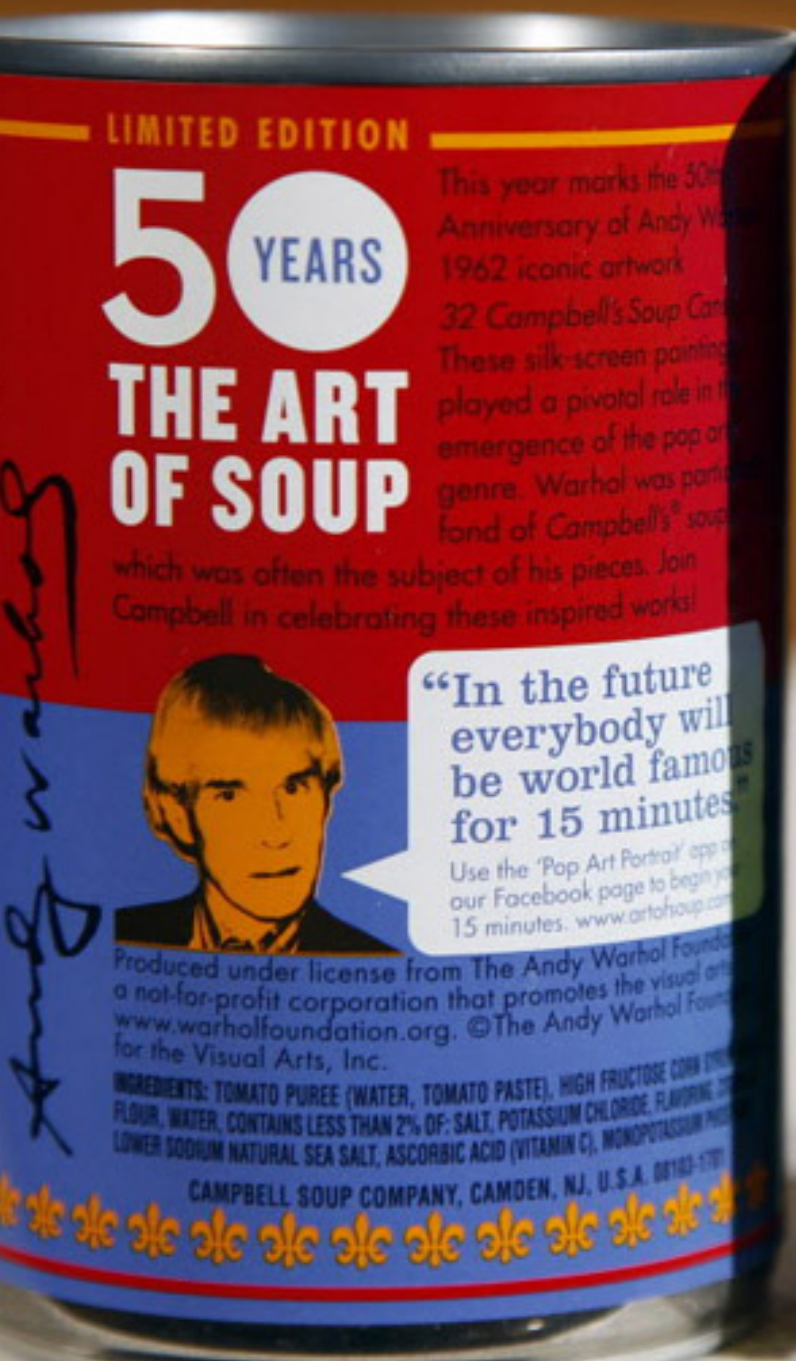
Andy Warhol  
1969











Fifty years after Andy Warhol developed '32 Campbell's soup cans', the release of a set of four limited edition series of cans which are labeled with variations on Warhol's style. Each graphic features a portrait of the artist accompanied by Warhol's famous quote 'in the future everybody will be world famous for 15 minutes'. Unlike his paintings, the product will continue to sell for just 75 cents exclusively at Target beginning Sept 2, 2012.





Thompson Dorrance (1873 –1930) was an American chemist who discovered a method to create condensed soup (**1897**), and served as president of the Campbell Soup Company from 1914 to 1930. A nephew of the general manager of the Joseph Campbell Preserve Company, he went to work there in 1897 **and invented condensed soup**. By 1904 the company sold 16 million cans of soup a year.

However, the “the true inventor of tomato soup, we would have to gaze into the story of a man by the name of James H. W. Huckins of Boston, Massachusetts”.

He received a patent titled "**Improved Tomato Soup**" on May 2 **1865**  
<http://tgrc.ucdavis.edu/charlie.html>

# UNITED STATES PATENT OFFICE.

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JAMES H. W. HUCKINS, OF BOSTON, MASSACHUSETTS.

## IMPROVED TOMATO SOUP.

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Specification forming part of Letters Patent No. 47,545, dated May 2, 1865.

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*To all whom it may concern:*

Be it known that I, JAMES H. W. HUCKINS, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful or improved composition of matters, which may be termed "Tomato Soup," and I do hereby declare the same, or the materials of which it is composed and the mode of compounding them, to be described as follows, viz:

Take a stock-boiler that will hold about twenty gallons. Put into it fifty pounds of beef-shin to fourteen gallons of cold water.

ing vegetables: Peel and weigh one pound and a half of onions, the same amount of turnips, one pound and three-quarters of carrots, and one pound of beets. Chop them all together quite fine. Next, take a soup-boiler that will hold sixteen gallons. Put into it three and a half pounds of butter. Next, add the chopped vegetables. Put the boiler on a hot fire, and cook the vegetables well. Next, add to them three and one-quarter pounds of flour, and thoroughly mix the whole together while hot. Next, take the boiler from the fire and let it





“This distinct new variety has created quite a sensation on account of the enormous size of the tomatoes, their fine quality and the immense crops produced. In 1888 the prize was won by Mr. F. L. Ray, East Clarion, Ohio, who raised six splendid tomatoes weighing 8 lbs., 13 ozs., of which the largest specimen weighed 28 ozs. or 1 $\frac{1}{2}$  lbs. The past season the prize of 25 (dollars) was won by Mr. Chas. A. Gould, Kokomo, Ind., With six Turner Hybrids weighing fully 9 pounds. The foliage of the Turner Hybrid differs from that of nearly all other tomatoes, the large leaves being entire and not cut. It is a rank, strong grower, with thick stalks, and is enormously productive, out-yielding all other varieties.





It grows quickly and is ready to market very early for so large a tomato. The fruit is extra large in size and remarkably solid. The average weight of the tomatoes is from 12 to 18 ounces, but many specimens reach 20 to 21 ounces in weight. They ripen up evenly and are entirely free from core. They make the handsomest sliced tomatoes we have ever seen, and have been pronounced by all who have tried them unequalled in fine flavor and table qualities. The form of the fruit is round and thick through, smooth in specimens of medium to large size, and, while the extra large fruits are not so regular in shape, they are equal in quality, firm and solid ; the color is a very brilliant red.....” <https://archive.org/details/wilsons15thannua1891samu>



NEW TOMATO  
"ALACRITY"

Developed by experts at the Central Experimental Farm, Ottawa.



**Earliest of all Red Tomatoes**

ALACRITY produces a closer compact vine, set quite as freely with fine smooth tomatoes, which are usually ready to market ten days earlier than any other strain.

The entire crop can be gathered generally in about three weeks from the time the first fruit ripens.

ALACRITY is undoubtedly the very best earliest scarlet fruited tomato.

**1916 FLOWER AND VEGETABLE SEED**

Catalogue Free on Request

**Dupuy & Ferguson, Seedsmen,**  
38 Jacques Cartier Square,  
MONTREAL, - - QUEBEC

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Fruit ripens at the same time-  
all over.

Called 'Uniform Green' gene



A variety called **All Red**, emerging sometime before 1930, a US American tomato grower noticed a plant that was producing distinctive fruit. These fruit turned red from stem to tip in a uniform way. They didn't have any of the "green shoulders". It was a new mutation, and some plant breeders saw it as the next big thing.

They called it the "uniform ripening" trait.

In 1930, the agricultural experiment station in Fargo, N.D., released a new tomato variety containing this mutation.

Ann Powell, a plant biochemist at the University of California, Davis, with others established in 2012 that the "uniform ripening" trait was genetically correlated with a loss of flavour and scent.



The self-propelled mechanical tomato harvester, developed in the early 1960s by engineers working in cooperation with plant breeders, handles virtually all packing tomatoes grown in California. The **self-propelled Johnson Tomato Harvester**, manufactured and sold by California Tomato Machinery.





Tomato story signals interaction of specialised disciplines (chemists, botanists, biologists on heredity), applied research “in the field”, government programmes to enhance food production and yield, institutional systems of property right assignment, industrial priorities (shelf life, cost-benefit, mechanized harvesting, stable series) and marketing imperatives.

It also suggests some interesting operations on time. Managing time, ordering of time – not just “progress” time – but stable series of plants that don’t change over time; metric-time as in time-to-ripen, time-to-market, shelf-life; and local time acknowledged but then reduced.

## **What part is played by a “governing life and death”?**

The term “biopolitics” was first used in the mid-1970s by Michel Foucault to mark a change in techniques and objects of government, whereby “population” “health” and “life” became a thing to be accounted, managed and augmented.

This was building upon his observation that “the emergence of the health and physical well-being of the population in general as one of the essential objectives of political power” in the 18thC.

A move from the commands “put to death” or “let live” to the commands “make live” and “let die”



# MICHEL FOUCAULT

SOCIETY MUST BE DEFENDED



LECTURES  
AT THE  
COLLÈGE DE FRANCE  
1975-1976

# MICHEL FOUCAULT



SECURITY, TERRITORY,  
POPULATION  
LECTURES AT THE COLLÈGE DE FRANCE  
1977-1978

EDITED BY MICHEL SENELLART  
GENERAL EDITORS: FRANÇOIS EWAŁD & ALESSANDRO FONTANA  
ENGLISH SERIES EDITOR: ARNOLD I. DAVIDSON  
TRANSLATED BY GRAHAM BURCHELL

# MICHEL FOUCAULT

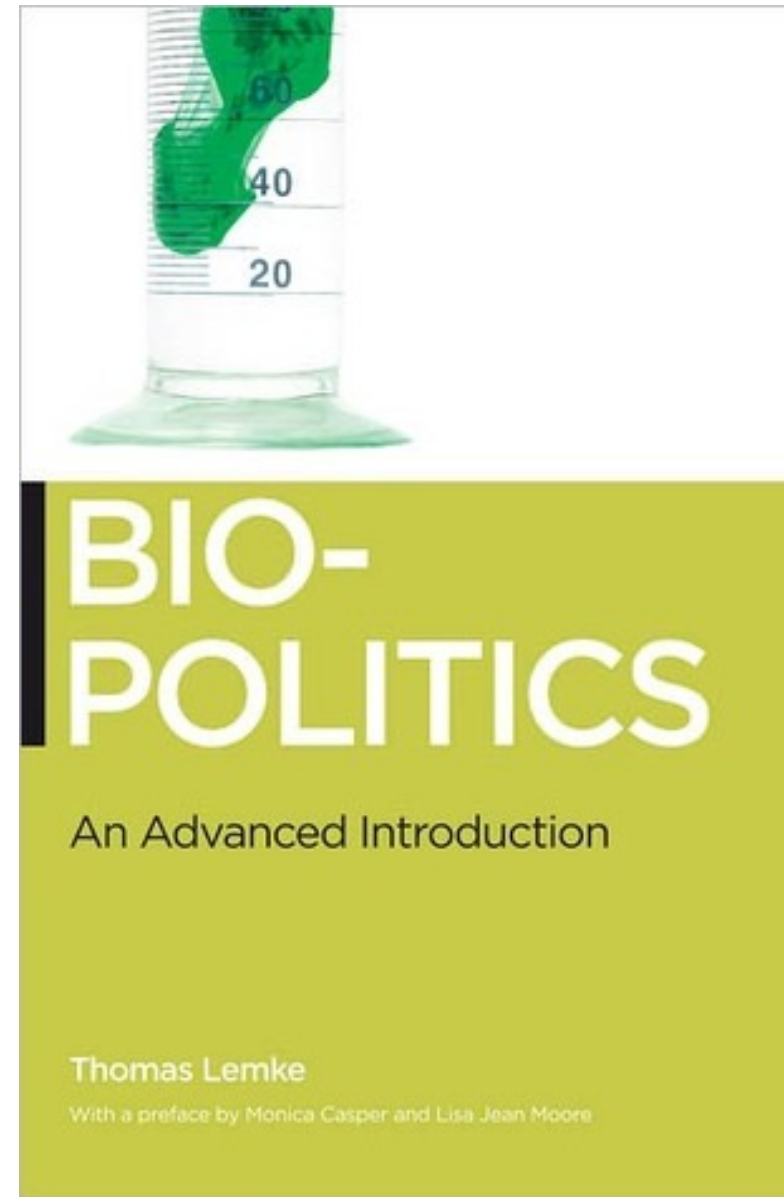
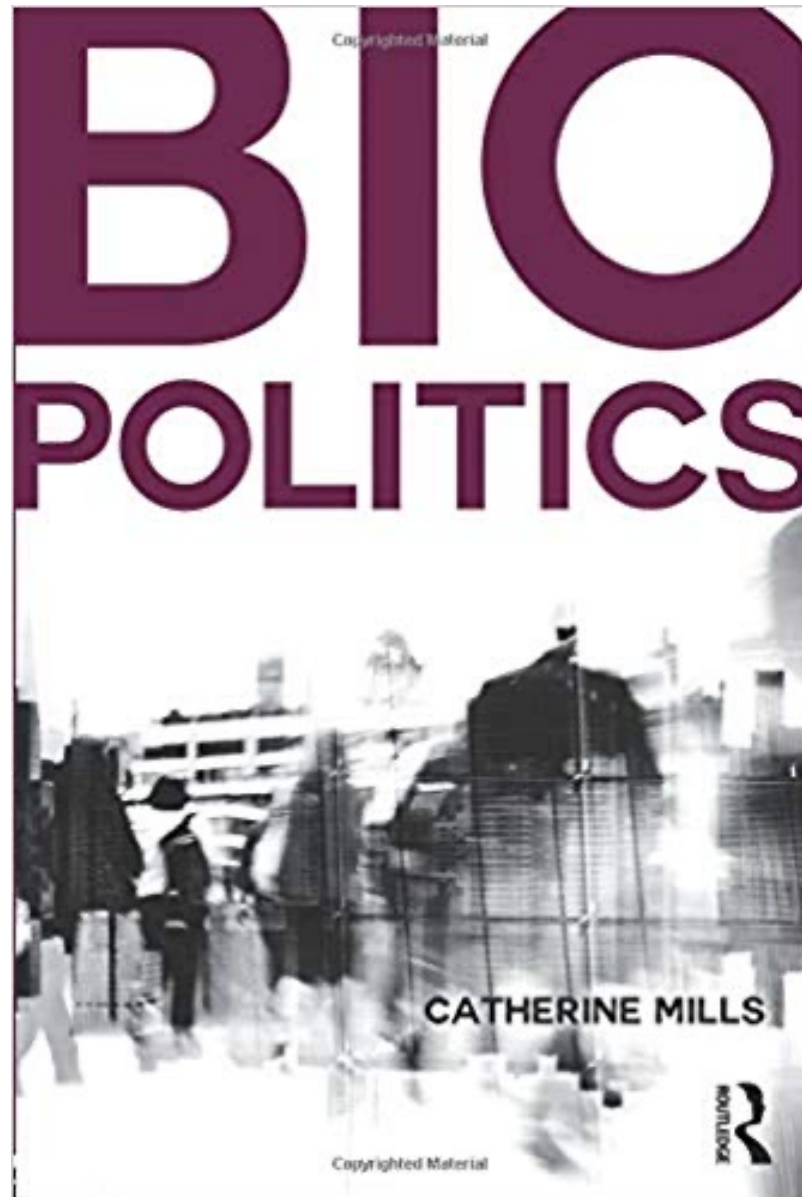
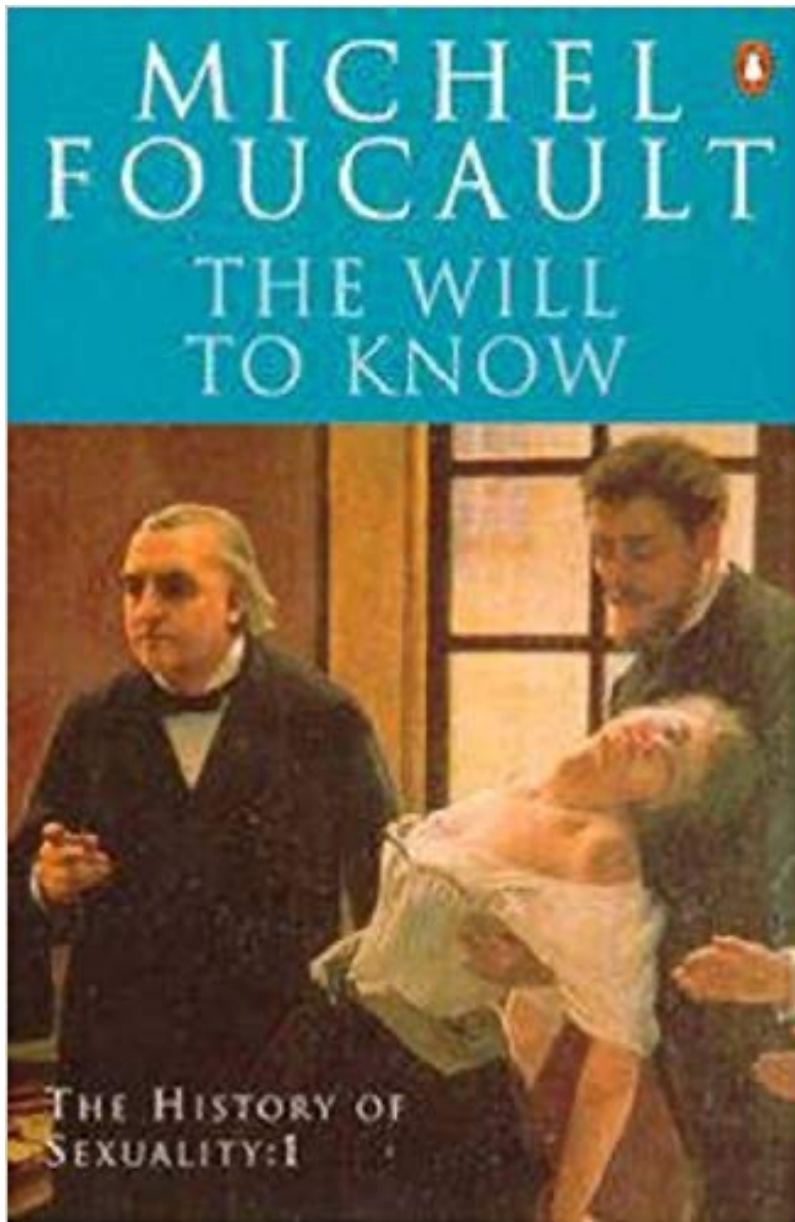


THE BIRTH OF  
BIOPOLITICS  
LECTURES AT THE COLLÈGE DE FRANCE  
1978-1979

EDITED BY MICHEL SENELLART; TRANSLATED BY GRAHAM BURCHELL  
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ENGLISH SERIES EDITOR: ARNOLD I. DAVIDSON

PICADOR







# THE TABLE OF CASUALTIES.

The Years of our Lord	1647	1648	1649	1650	1651	1652	1653	1654	1655	1656	1657	1658	1659	1660	1661	1662	1663	1664	1665	1666	1667	1668	1669	1670	1671	1672	1673	1674	1675	1676	1677	1678	1679	1680	1681	1682	1683	1684	1685	1686	1687	1688	1689	1690	1691	1692	1693	1694	1695	1696	1697	1698	1699	In 20 Years.
Abortive, and stillborn	335	329	327	351	389	381	384	433	483	419	463	467	421	544	499	439	410	445	500	475	507	523	1793	2005	1342	1587	1832	1247	8559																									
Aged	916	835	889	696	780	834	864	974	743	892	869	1176	909	1095	579	712	661	671	700	623	794	714	2475	2814	3336	3452	3680	2377	15757																									
Ague, and Fever	1260	884	751	970	1038	1212	1282	1371	689	875	999	1800	2303	2148	956	1091	1115	1108	953	1279	1622	2360	4418	6235	3865	4903	4363	4010	23784																									
Apoplex, and sodainly	68	74	64	74	106	111	118	86	92	102	113	138	91	67	22	36		17	24	35	26		75	85	280	421	445	177	1306																									
Bleach			1	3	7	2				1															4	9	1	1	15																									
Blasted	4	1			6	6			4		5	5	3	8	13	8	10	13	6	4		4	54	14	5	12	14	16	99																									
Bleeding	3	2	5	1	3	4	3	2	7	3	5	4	7	2	5	2	5	4	4	3			16	7	11	12	19	17	65																									
Bloudy Flux, Scouring, and Flux	155	176	802	289	833	762	200	386	168	368	362	233	346	251	449	438	352	348	278	512	346	330	1587	1466	1422	2181	1161	1597	7818																									
Burnt, and Scalded	3	6	10	5	11	8	5	7	10	5	7	4	6	6	3	10	7	5	1	3	12	3	25	19	24	31	26	19	125																									
Calenture	1			1	2	1	1	1		3											1	3		4	2	4	3		13																									
Cancer, Gangrene, and Fistula	26	29	31	19	31	53	16	37	73	31	24	35	63	52	20	14	23	18	27	30	24	30	85	112	105	157	150	114	609																									
Wolf				8																			8						8																									
Canker, Sore-mouth, and Thrush	66	28	54	42	68	54	53	72	44	81	19	27	73	68	6	4	4	1			5	74	15	79	190	244	161	133	689																									
Childbed	161	106	114	117	206	213	158	192	177	201	236	225	226	194	150	157	112	171	132	143	163	230	590	608	498	769	839	490	3364																									
Chisomes, and Infants	1369	1254	1065	990	1237	1280	1050	1343	1089	1393	1162	1144	858	1123	2596	2378	2035	2238	2130	2315	2113	1895	2277	8453	4678	4910	4788	4519	32106																									
Colick, and Wind	103	71	85	82	76	102	101	101	85	120	113	179	116	167	48	57				37	50	105	87	341	359	497	247	1389																										
Cold, and Cough																													43	598																								
Consumption, and Cough	2423	2200	2388	1988	2350	2410	2216	2868	2606	3184	2757	3610	2982	3414	1827	1910	1713	1797	1754	1955	2080	2477	5157	8266	8999	9914	12157	7197	44487																									
Convulsion	684	491	530	493	569	653	666	818	702	1027	807	841	742	1031	52	87	18	21	221	386	418	700	498	1734	2198	2656	3377	1324	9073																									
Cramp			1																										2																									
Cut of the Stone		2	1	3		1	1	2	4		3	5	46	48															38																									
Droopy, and Tympany	185	434	421	508	444	559	617	704	660	706	631	931	646	872	235	252	279	280	266	250	329	385	1048	1734	1538	1321	2982	1302	9623																									
Drowned	47	40	30	27	49	59	3	30	43	4	63	60	57	48	43	33	29	14	37	32	32	45	139	147	144	182	215	130	827																									
Excessive drinking			2																										2																									
Executed	8	17	29	43	24	12	19	21	19	22	20	18	7	18	19	13	12	18	13	13	13	13	62	52	97	76	79	55	384																									
Fainted in a Bath					1																								1																									
Falling-Sickness	3	2	2	3		3	4	1	4	3	1		4	5	3	10	7	7	2	5	6	8	27	21	10	8	8	9	74																									
Flox, and small Pox	139	400	1190	184	535	1272	119	812	1294	823	835	409	1523	354	72	40	58	531	72	1334	293	127	701	1840	1913	1755	3361	2785	10576																									
Found dead in the Streets	6	6	9	8	7	9	14	4	3	4	9	11	2	6	18	33	26	6	13	8	24	24	83	69	27	34	27	29	243																									
French-Pox	18	29	15	18	21	20	20	20	29	23	25	53	51	31	17	12	12	12	7	17	12	22	53	48	80	81	130	83	392																									
Frighted	4	4	1		3		2		1				9	1															21																									
Gout	9	5	12	9	7	7	5	6	8	7	8	13	14	2	2	5	3	4	4	5	7	8	14	24	35	25	36	28	134																									
Grief	12	13	16	7	17	14	11	17	10	13	10	12	13	4	18	20	22	11	14	17	5	20	71	56	48	59	45	47	279																									
Hanged, and made away themselves	11	10	13	14	9	14	13	9	14	16	24	18	11	36	8	8	6	15		3	8	7	37	18	48	47	72	32	222																									
Jaundice	57	35	39	49	41	43	57	71	61	41	46	77	102	76	47	59	35	43	35	45	54	63	184	197	180	212	225	188	993																									
Jaw-faln	1	1			3			2	2		3	1			10	16	13	8	10	10	4	11	47	35	02	5	6	10	95																									
Impostume	75	61	65	59	80	105	79	90	92	122	80	134	105	96	58	76	73	74	50	62	73	130	282	315	260	354	428	228	1635																									
Itch		1																											11																									
Killed by several Accidents	27	57	39	94	47	45	57	58	52	43	52	47	55	47	54	55	47	46	46	41	51	60	202	201	217	207	194	148	1021																									
King's Evil	27	26	22	19	22	20	26	26	27	24	23	28	28	54	16	25	18	38	35	20	26	69	97	150	94	94	102	66	535																									
Lethargy	3	4	2	4	4	4	3	10	9	4	6	2	6	4			2	2	3		2	2	2	5	7	13	21	21	9	61																								
Leprosy			1																										3	61																								
Livergrown, Spleen, and Rickets	53	46	56	59	65	72	67	65	52	50	38	51	8	15	94	112	99	87	82	77	98	99	392	356	213	269	191	158	1421																									
Lunatic	12	18	6	11	2	11	8	12	61	7	13	5	14	14	6	11	6	51	4	2	2	5	28	13	47	30	31	26																										

“Biopolitics” – is the organization of power towards governing life and death, managing the health of population, deciding what life is “worth living”

We could say that this turns living *beings* into living *things*

When it comes to food, we see the emergence of the “foodthing”

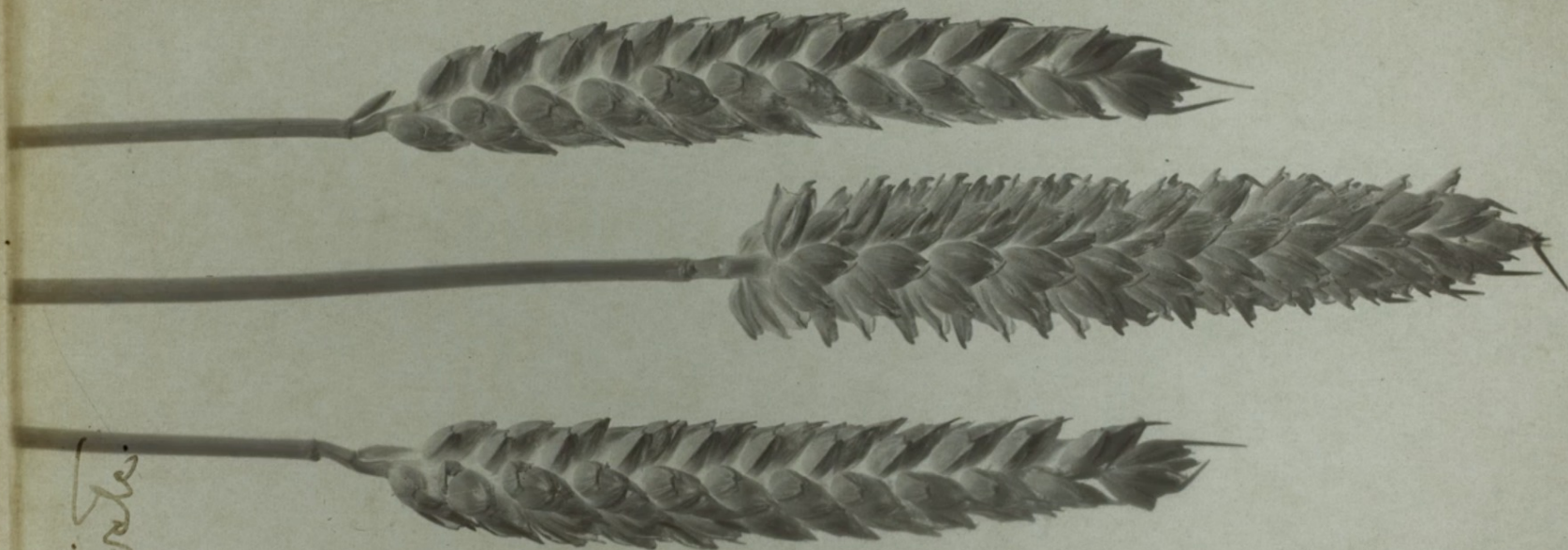
Not food as a co-living being, but food as “stuff”  
as a range of objects to be standardized, regulated, adjusted, multiplied,  
“growth” without limit, and where limits are posited, they must be overcome



“make live” and “let die”



743.



743.

*Grandiscladia*

"The complete reversal  
of the old method."

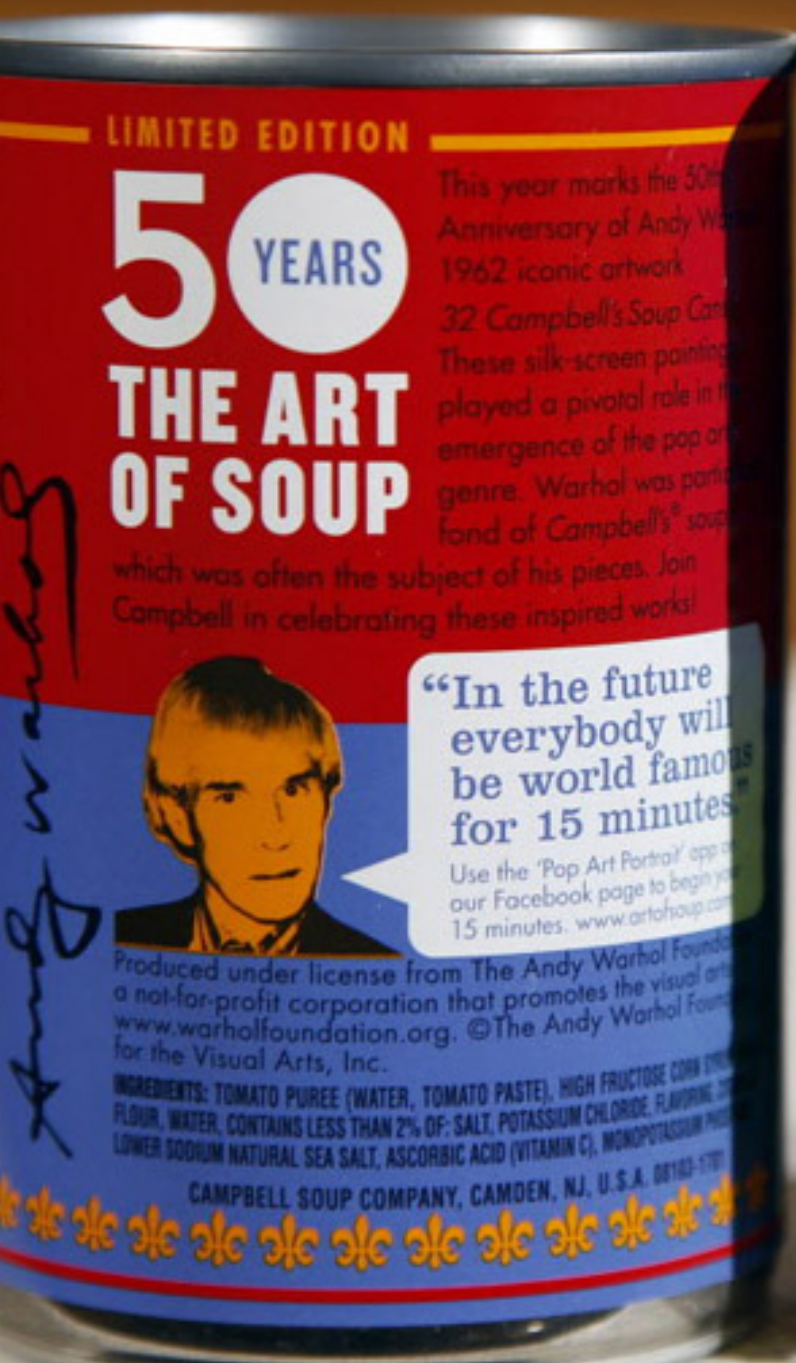


How might artistic practice and enquiry  
play a role in responding to these transformations?

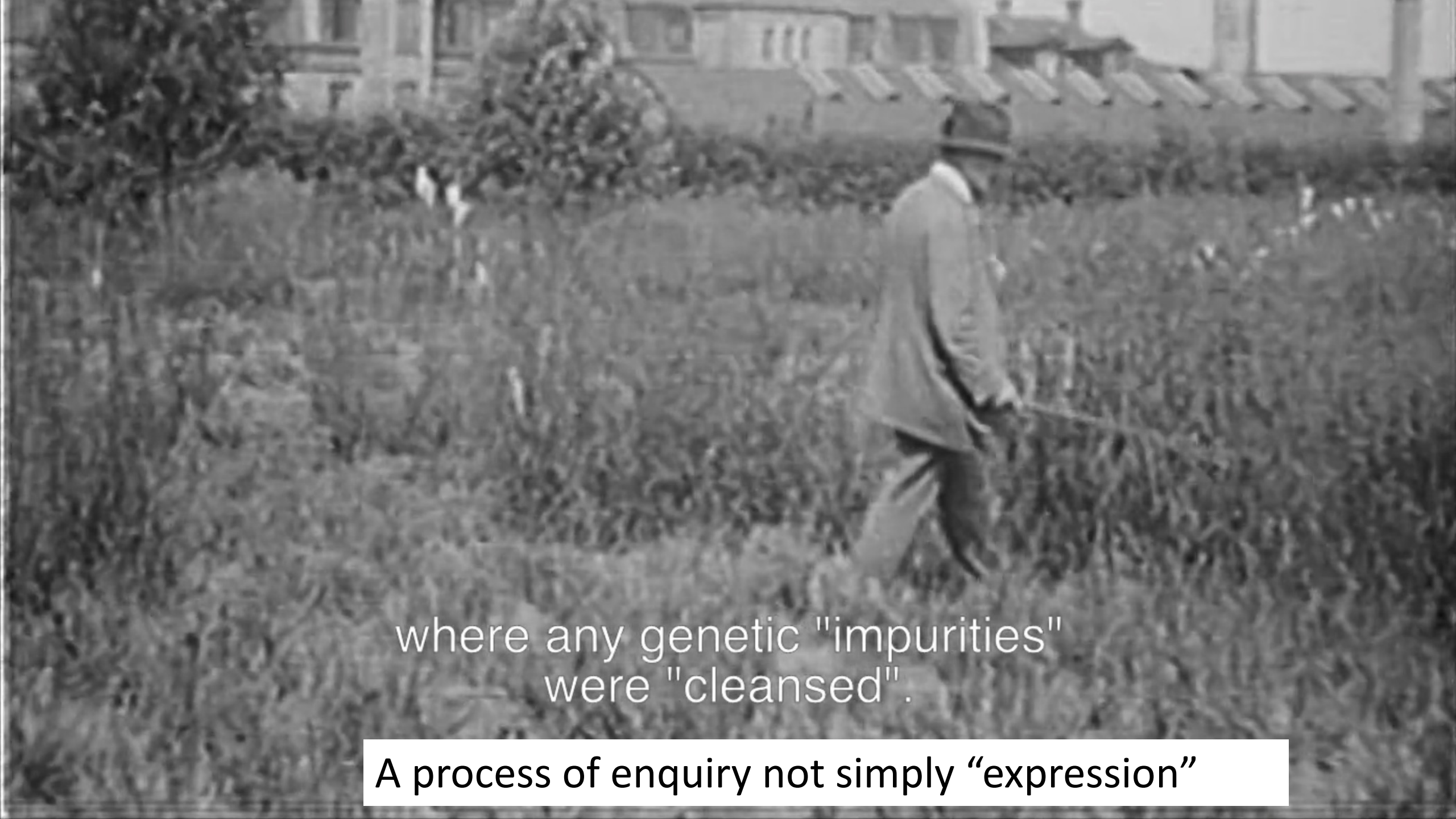
It is not through the idea of the “artistic exception”

Not the artist as the “freak” exception,  
who defies the “system” by being radically “individualised,”  
not the “original” “genius” who defies the rules etc.





Fifty years after Andy Warhol developed '32 Campbell's soup cans', the release of a set of four limited edition series of cans which are labeled with variations on Warhol's style. Each graphic features a portrait of the artist accompanied by Warhol's famous quote 'in the future everybody will be world famous for 15 minutes'. Unlike his paintings, the product will continue to sell for just 75 cents exclusively at Target beginning Sept 2, 2012.



where any genetic "impurities"  
were "cleansed".

A process of enquiry not simply "expression"





When I record video on my phone  
and hold it in the "wrong" way,

A process of collaboration – with wheat - the crops...

Play





A process of collaboration with Allkorn, and other associations and relations...

The core issue for Allkorn  
is to spread seed.

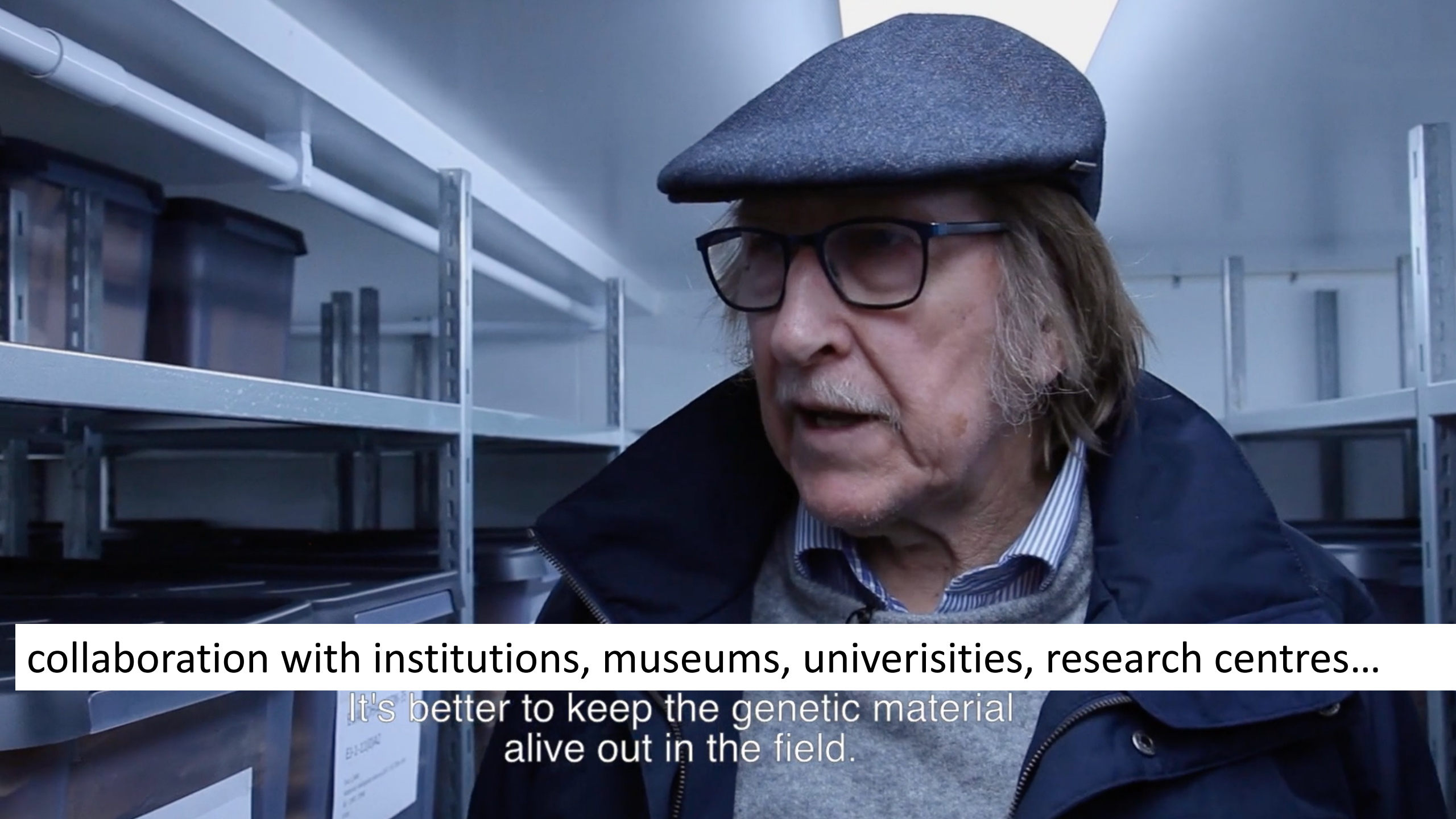




A process of collaboration with many bearing different disciplines & skills...

What will happen when  
those 10 varieties are to be stored here?





collaboration with institutions, museums, universities, research centres...

It's better to keep the genetic material  
alive out in the field.



A process of “thinking-doing” rather than of “theory” and “practice”

A process of story-telling where “things” tell their own stories and become “beings”

A process of listening to other stories told differently

A process of doing time differently



