Week X Thursday, April 4

Herbert Hoover, the Globalization of American Corporate Capitalism & OIL

Herbert C. Hoover, 1874 - 1964

1) Biographical

2) Cultural/Historic

3) Global Ecological/OIL

1859, US, PA, Titusville, 1st OIL well

1861 - Civil War - 1865

1862, Pacific Railroad Act 1864, 2nd Pacific Railroad Act

1868, Burma - Chinese abandon Bawdwin silver mines

-----, Japan - Meiji restoration- beginnings of modernization/globalization as in Germany, nationalism, militarization & imperialism, led to rapid, unregulated industrialization

1869 - U S Transcontinental Railroad completed

1869, Egypt - Suez Canal completed 1870, US, J. D. Rockefeller forms Standard OIL Co. c 1870 - 1914 Global - 2nd Industrial revolution -

electrification requires copper; chemical

industries - need sulfuric acid

1872, U S - 1st National Park created, Yellowstone

1873, Russia, Baku OIL field opened

----, "Ecology" enters vocabulary

1874, Switzerland - Universal Postal Union

est. by 22 nations

1874, August 10, b., West Branch, Iowa - a Quaker community

f. - Jesse, blacksmith & farm implement dealer

m. - Hulda Minthorn Hoover, a teacher and Quaker minister

b. - Theodore, born 1/28/1871

1875, France - International Bureau of Weights and Measures

1876 s. - May, born September 1

1876, WY Territory - Battle of the Little Big Horn

----, Philadelphia, PA - U S Centennial Celebration

1876-78, India - over 5 million die of famine in two years

1876-79, China Drought, millions die

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1) Biographical
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                       1877, U S - Nationwide Railroad strike
                                              1877, Europe, France - Louis Pasteur (1822-1895),
                                                      germ theory of disease, vaccination, and
                                                      pasteurization, great advances, public health
       father, Jesse, age 34, died of typhoid fever - water borne or other contamination
1880
                       1882, U S bans Chinese immigration for 10 years
                       -----, Egypt - occupied by Great Britain
                                              1882, US, Edison demonstrates electricity
                                              ----, US, Standard OIL Trust formed
       mother, Hulda, died of pneumonia at age 34
1883
       children separated - Hoover to farm of paternal uncle, new West Branch
                       1883, NYC, Brooklyn Bridge opened
                       ----, Chicago - Home Insurance Building - 1st skyscraper
                                              1883, Dutch West Indies, Krakatoa - cataclysmic
                                                      volcano, = 10,000 Hiroshima atomic bombs
                                                      120 ft. high tsunami, 36,000 killed
       Newberg, OR - with maternal uncle, Dr. Henry J. Minthorn
1884
       enrolled at Friends' Pacific Academy, a Quaker school
               which Dr. Minthorn helped to found and conduct
                                              1884, London, Maxim invents 1st machine gun
                                              ----, Belgium, Brussels, Leopold II proclaims
                                                      "Congo Free State"
                                              ----, Canada - Canadian Pacific Railway completed
                                              1885, Berlin, Congress of - 15 European nations,
                                                      partition Africa - confirm Leopold's right to
                                                      900,000 sq. mi. Congo Free State
                                              ----, Germany, Mannheim, K. Benz develops
                                                      successful horseless carriage - powered by
                                                      internal combustion gasoline engine
                                              -----, India, British begin Indus Basin - India &
                                                      Pakistan - world's largest irrigation system
                                              -----, France, Pasteur inoculates child against rabies
                                              -----, Sumatra, OIL discovered by Royal Dutch
                                              ----, Italy, Po River Valley - 1<sup>st</sup> hydroelectric plant
                       1886, NYC, Statue of Liberty dedicated
                       ----, U S - 100,000 strike nationwide for 8 hour day
                       ----, Chicago, 13 killed in labor strike
                       ----, AZ, Apache leader Geronimo surrenders
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1) Bios	graphical	2) Cultural/Historic	3) Global Ecological/OIL	
1) 210)	Stapinous	2) Carara Install	1886, Germany, K. Benz patents 1 st motor car	
			, Canada, Transcontinental Canadian Pacific	
			Railroad, completed	
			, British conquer Burma, govern it as a province	
			of India	
			1887, South Africa, Kimberley, Cecil Rhodes	
			consolidates control of diamond mines	
1888	Salem, OR - v	with Minthorn family; cle	erk in a land settlement business founded by Dr.	
	Minth	orn and other Quakers		
			1888, Brazil, slavery abolished	
			, China, 1st railroad opened, Tanghshan	
			to Tianjin	
		1889, W, DC- 1 st Inte	ernational Conference of American States	
	, US, OK - Land Rush			
			1889, France, de Lessups' effort to build a	
			Panama canal collapses	
			, G. Eiffel competes tower	
1890, American Tobacco Co. formed by John Duke				
			1890, Scotland, 1,700' Firth of Forth Bridge	
			completed, world's longest	
			, Global - beginnings of world electrification	
		1891, CA, Palo Alto, S	Stanford University founded	
1891	Palo Alto, CA	- enrolled in Stanford U	Iniversity	
		1891, Montana, Butte	- Anaconda Mining Co. incorporated with	
		\$12.5 million i	n stock	
1892	summer, serve	ed on the Arkansas State	Geological Survey	
		1892, NYC, Ellis Islan	nd Immigration center opened	
		, Riis, J., <u>How Th</u>	e Other Half Lives exposes poverty in NYC	
		, ID, Federal troo	ps break up miner's strike	
		, Pittsburgh, PA -	Pinkerton agents break strike at Carnegie's	
		Homestead St	eel Works	
1893	summer, serve	ed on the US Geological	Survey team in CA	
		1893, J. J. Hill's Great	t Northern Railway completed, St. Paul, MN	
		- Everett, WA		
		, NYC, Financial	Panic	
			1893 - Europe/US - vaccines against tetanus,	
			diphtheria, etc. coming into wider use	

1) Bio	graphical 2) Cultural/Historic 3) Global Ecological/OIL			
1894	summer, served on the U S Geological Survey team in NV			
	1894, Chicago, Pullman Strike shuts down nation's railroads			
1895	graduated Stanford University, B A -Geology; the first 4 year graduating class			
	1895 - Japan defeats China, imposes harsh terms			
	- Korea, a Japanese colony			
	summer, Nevada City, CA - Reward Mine, as a cart operator and driller			
1896 employed as a mining engineer by Louis Janin, San Francisco, CA				
	worked on mine surveys in CA, CO & NM			
	1896, India - famine & bubonic plague rage, 4years			
	, U S, Henry Ford builds 1 st car			
1897	employed by Bewick, Moreing & Co. Ltd., London, England			
	Western Australia, managed "Sons of Gwalia" gold mine; owned a partial share			
	66 years later, in 1963, mine closed;			
	\$55,000,000 in gold, \$10,000,000 in dividends			
	1897, England - Marconi's 1 st wireless telegraph			
	<u> 1898 - Spanish American War</u>			
	U. S. Army creates demand for food crops			
	1898, China - Yellow River floods, drought			
	contributes to Boxer Rebellion			
	, Italy, Po River Valley			
	- 1 st large hydroelectric dam			
1899	Monterey, CA - married Lou Henry, born 29 March 1875, Waterloo, IA			
	father, a banker; met Hoover at Stanford,			
	graduated 1898, degree in geology			
	honeymoon on four week voyage to China,			
	Hoover employed by Chinese government to oversee natural resource development			
	attempts to secure Kaiping coal fields - one of world's richest -			
	for Bewick, Moreing & Co.			
	1899, Philippine Insurrection v U S			
	, U S - declares "Open Door" policy re China			
1900	China, Boxer Rebellion -			
	Hoover organized defense of foreign compound in Tientsin; directed relief work			
	1900 U S Steel Co. incorporated at \$1.4 billion			

1) Biog	graphical	2) Cul	tural/Historic	3) Global Ecological OIL
				1900, Global Coal production, 700,000,000 tons
				1,000,000,000 tons
				, Global - coal consumption caused most air
				pollution
				, Europe, Polish Silesian Triangle -Dresden,
				Prague Krakow - 2 nd industrial site to the
				German Ruhr
1901	made a partn	er in Bev	vick, Moreing &	z Co.; 20% interest; London, principal residence
	Bewi	ck, More	eing & Co. come	es to control over 50% of West Australia gold
		mining	T	
		1901 -	- 1 st Transatlanti	ic wireless
				1901, US, TX, Spindletop OIL gusher - the
				beginnings of Sun, Texaco & Gulf
		1902 -	- Texaco - Texa	as Oil Co. founded
			U S Bureau of	f Reclamation established
				1902, Egypt - 1 st Aswan Dam completed
		1902-	04, US, Ida Tar	bell, <u>History of Standard OIL Company</u>
1903	son, Herbert	Clark, Jr	. born, London	
		1903	-	pendence from Columbia recognized by U S
			NC, Wright B	Brothers 1st successful flight
				1904 Trans-Siberian Railroad completed
				1905, Russo-Japanese War, Russians defeat
				Japanese among 1 st to vaccinate troops
				1 st war in which battle deaths outnumber
				disease deaths
				, Russia, Revolution, Baku OIL fields fired
				, London - 'smog' 1^{st} coined = fog + smoke
				1906, CA, San Francisco earthquake
1907	son, Allan He	enry, borr	n, London	
	-			eration in Eastern Australia
				% as a financial advisor
	inspected Bur	ma's aba	andoned Bawdw	in silver mine; contracted malaria

comes to own 15% interest in lead smelting operation

1) Bio	graphical	2) Cultural/Historic	3) Global Ecological OIL
			1907, China - millions starving due to heavy
			rain and crop failures
			, Russia - 20 million starving in worst
			famine on record
			, U S, St. Louis, 1 st Gasoline station
1908	resigned from	n Bewick, Moreing & C.,	Ltd
	_	_	aploration firm - offices in London, NYC & San
	Franc	_	s in Petrograd/Leningrad and Paris
		1908, Detroit - Ford p	
			1908, Russians open oil field in southern
			Caucasus mountains
			, Persia, OIL discovered
			, US, world's 1 st billionaire, John D.
1000			Rockefeller, Standard OIL Company
1909			xt for years; remained in print until 1967
1910	-	•	iron and steel production
		•	Trust - a Russian oil resource holding company
	Invests in Cal	ifornia oil ventures	
		1910, Mexican Revolu	_
			1910, Mexico, Tampico,
			Potrero del Llano #4 OIL well
			, Europe & North America - electric grids powered by coal smoke, soot and sulfur
			dioxide blanketed industrial neighborhoods
			, England, Royal Navy began to switch from
			coal to oil
			1911, US, Supreme Court orders breakup of
			Standard OIL Trust
			, US, 1 st high dam, the Roosevelt, on the Snake
			River, a tributary of the Colorado
			1911-1912, Chinese Revolution
1912	"De Re Meto	allica" with Lou Henry	Hoover - 1 st successful translation of G.
	_		tallurgy & mining in the Erzgibirge district, Germany
		ussian copper smelting, go	9
elected to Stanford University board of trustees			
			1912, <i>Titanic</i> sinks, 1,500 missing

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1)Biographical 2) Cultural/Historic
                                       3) Global Ecological OIL
1913, U.S. - XVI Amendment - Income Tax ratified
                       -----, ---- XVII Amendment - Direct election of senators ratified
                       -----, US - Detroit, Ford Motor Co. unveils moving assembly line
                               Fordism & the automobile will become the most socially and
                               environmentally consequential technology of the 20<sup>th</sup> century
                       -----, ---- NYC, Grand Central Station - world's largest - opens
                       -----, Panama -Canal Opened
               1914 - World War I - 1918 "The Allies floated to victory on a wave of oil"
1914 estimated wealth, $4,000,000 – global investments
----, CA - reorganizes finances of Sloss & Lilienthal families
       London - became co-manager of the Natomas Syndicate; Sacramento area gold dredging
                       and land development company
               - director of 18 mining & financial companies, 100,000 + employees, global
       London, Chairman, Allied Relief Committee; assisted 120,000 Americans returning to
       London, Chairman, Commission for Relief in Belgium; assisting 10,000,000 Belgians
               and French, invaded by German Army; $1 billion in imports
                       1914, Mexico, Vera Cruz - U S troops land, oppose President Huerta
                                               1914, Japan - 9 million reported starving
                                               -----, Italy, Po River Valley - government funded
                                                      irrigation & fertilizer programs
1915
       San Francisco - Pan Pacific International Exposition; enlisted as a lobbyist in 1912
                       1914, Mexico, Vera Cruz - U S troops land, oppose President Huerta
                                               1914 Japan - 9 million reported starving
                       1916, Russia - 9441 km/5867 mile Trans-Siberian Railroad completed
               <u>1917 U S in WWI</u> - 1918
                               Battlefield mechanized - tanks, trucks, airplanes
1917 Hoover turns over relief operations to neutral, Spain and Holland; returns to U S
       Food Administrator - control production, waste and prices of American food
                       1917 - Russia, Bolshevik Revolution - 1922
                               Marxist/Leninist Communism - aspired to become the
                                       dominant cultural value of the 20<sup>th</sup> century
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graphical	2) Cultural/Historic 3) G	ilobal Ecological OIL				
Grain Corpora	tion of Food Administration be	egins buying, storing, selling and fixing price				
of who	eat; prohibits use of food produ	acts in manufacturing distilled beverages				
Requests volu	ntary wheatless Mondays and	Wednesdays, meatless Tuesdays, porkless				
Thurse	days and Saturdays					
Sugar Equaliz	ation Board, Food Administra	tion, rations sugar, 2 #s a month per person				
Paris, headquarters for postwar European relief						
	1918, Russia, Vladivostok -	U S, British and Japanese troops land				
	1918 - WWI dead =10,000),000				
	191	8 - 19, Global - Flu epidemic kills 20,000,0	00			
Director Gener	ral, American Relief Administr	ration				
23,000	0,000 tons of food to Allies an	d famine areas in Europe				
23 Eu	ropean nations, population 300	0 million; \$100,000,000 in relief aid				
transferred pub	olic American Relief Administ	ration to a private organization to continue				
Europ	ean relief efforts ; resid	lence and offices in NYC				
Stanford University speech in support of League of Nations						
Washington, I	OC, chaired a committee study	ing labor/management conflicts				
	1919 Treaty of Versailles er	nds WWI; League of Nations created				
	1919	9 US July 7-September 6, W,DC -SF, CA				
		Cross Country Convoy - no roads				
		Eisenhower began thinking of highways				
name placed in	n nomination for president, Re	publican Convention, Chicago				
Warren G. Ha	rding, President; Calvin Cooli	dge, VP				
	-	_	Friends			
	. •	anous, to wish Distribution Committee, etc.				
0 11	<u> </u>					
Trestactio, Time	0 0	0. US 25% of farmland devoted to animal f	eed:			
	-2-		,			
residence. Wa	shington, DC	con or population in takin the or				
	_	American Smelting and Refining Co.				
•	1 20					
	2	•				
~	•	_				
	Grain Corpora	Grain Corporation of Food Administration be of wheat; prohibits use of food production of the world's largest mining and metal Secretary of Commerce, by President Hard.	Grain Corporation of Food Administration begins buying, storing, selling and fixing price of wheat; prohibits use of food products in manufacturing distilled beverages Requests voluntary wheatless Mondays and Wednesdays, meatless Tuesdays, porkless Thursdays and Saturdays Sugar Equalization Board, Food Administration, rations sugar, 2 #s a month per person Paris, headquarters for postwar European relief 1918, Russia, Vladivostok - U S, British and Japanese troops land 1918 - WWI dead =10,000,000 1918 -19, Global - Flu epidemic kills 20,000,00 Director General, American Relief Administration 23,000,000 tons of food to Allies and famine areas in Europe 23 European nations, population 300 million; \$100,000,000 in relief aid transferred public American Relief Administration to a private organization to continue European relief efforts; residence and offices in NYC Stanford University speech in support of League of Nations Washington, DC, chaired a committee studying labor/management conflicts 1919 Treaty of Versailles ends WWI; League of Nations created 1919 US July 7-September 6, W,DC -SF, CA Cross Country Convoy - no roads Eisenhower began thinking of highways name placed in nomination for president, Republican Convention, Chicago Warren G. Harding, President; Calvin Coolidge, VP Chairman, European Relief Council - coordinating efforts of American Red Cross, Service Committee, Knights of Columbus, Jewish Distribution Committee, etc. a strong supporter of the League of Nations President, American Engineering Council			

2) Cultural/Historic

1) Biographical

3) Global Ecological OIL

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1) Biographical
                       2) Cultural/Historic 3) Global Ecological OIL
1927
       1<sup>st</sup> long distance television;
               he was seen and heard by a group in Bell Telephone Laboratories, NYC
       Chairman, 1<sup>st</sup> International Radio Conference, W, DC- attended by 76 nations
       Chair, Mississippi Flood Relief; property loss of $300 million
               recommended completely revising Federal flood control program
                                              1927, U S Mississippi River Flood - 170 counties,
                                                      killed several hundred people, formed a
                                                      shallow lake 160 km/99 miles wide
                                                      Mississippi River Basin covers 41% of
                                                              Lower 48 States
                                              1927 - China - Mao Zedong leads Red army in
                                                      'Long March' to mountain retreat
                                              ----- OIL, Iraq, Baba Gurgur #1, 1st OIL well
                       1927 Charles Lindbergh - Solo flight of Atlantic - NY to Paris
1928 nominated for President by Republican party
       West Branch, IA - speech on farm relief and inland waterway development
       November, elected President, carrying 40 states to Democrat, Al Smith's 8
       Good will tour of Latin America
                                              1928 U S Drought in western states begins
               31st President of U S
1929-1933
1929, October - Stock market crash – Great Depression
       Federal Farm Board
                       1930, Russia - Stalin collectivizes farms
                                              1930 China - 2 million die of starvation
                                              ---- US, East TX, Rusk County
                                                      Black Giant OIL field opened
                       1931, Austria, Creditanstalt, central bank fails - European/Global
                               Depression
                                              1931 Manchuria - Japan invades
       Reconstruction Finance Corporation created to finance public works projects,
1932
               built by private industry; vetoed creation of a federal unemployment agency
               opposed federal public works
1932 Defeated by Franklin D. Roosevelt
       Manufacturing 54% of 1929 levels
       Unemployment, 25-30% - 12,000,000 - 15,000,000 unemployed
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1941, U S-G B create Atlantic Charter

----, Lebanon proclaimed independence from France

1941, U S, WA- Columbia River Grand Coulee Dam completed; destroyed the most productive salmon fishery in the world

1942, US, IL, Chicago, Manhattan Project - 1st sustained nuclear reaction **Beginning of the Atomic Age**

1943, US, WA, Pasco on Columbia River - 1,000 square mile Hanford Engineering Works -large scale nuclear production reactors; built the atomic bomb dropped on Nagasaki; dumped billions of gallons of nuclear waste into the Columbia River

c 1943 to c 1990 - Cold War between US/Allies & USSR/China

1944, US - World Bank & International Monetary Fund founded

1944, Lebanon, power transferred from French

1945 U S, two atomic bombs on Japanese civilians

1945, Dutch West Indies, Republic of Indonesia declared

1946, London - United Nations 1st session

-----, Vietnam - Vietnamese begin war for independence v French

----, US, MO, Fulton - Churchill's Iron Curtain Speech

1946-1948, USSR spreads Soviet-style pollution intensive industrialism to Poland, Czechoslovakia, East Germany & Hungary

1947-1949, Chair, Federal Commission to eliminate waste

lead to creation of the General Services Administration, 1949

1947 Marshall Plan to revive Europe announced

---- National Security Act

1947, India and Pakistan independence

1948, Burma, Ind. - new nation Myanmar

----, Israel created

----, Persian Gulf, OIL fields opened

----, United Nations create

World Health Organization

1949 U S organizes North Atlantic Treaty Organization - NATO

---- National Security Act

1949, China - People's Republic established

1950 - Korean War - 1953

1950, Vietnam, President Truman sends 35 military advisors to aid French beginning of Vietnam War, to 1975

1950 - 1954, Joseph McCarthy, Red Scare

- 1950-1955, Chainsaws revolutionized logging and pulping in North America
- 1950-1970, Global, estimated 20,000,000-30,000,000 people killed from air pollution
- 1950-1973, Europe, Germany *Wirtschaftswunder* economic recovery
 - Rhine River further polluted sewage, detergents & fertilizers
- 1950, Global Population, 2.557 billion; 19% increase since 1940
- -----, Global Tropics population growth, land clearing
- ----, Japan, begins coal-based re-industrialization
- ----, India, Calcutta population, 5,000,000
- -----, USSR, Aral Sea world's 4th largest lake
- -----, China, successful communist revolution leads to improved public health service
- ----, US 50+% of corn, hybrid
- -----, Norway's dominance of modern whaling, superseded by Japan; factory ships, airplanes, sonar
- -----, Africa, Lake Victoria Nile perch 7 ft long/ 300 # weight - introduced eliminated over ½ fish in lake; supported export industry to Israel
- -----, Global OIL becomes the single most important factor in shaping environmental history
- -----, South and Central American rain forests become cattle ranches to supply U S beef

1951, U S detonates H-bomb

1952, Egypt, Nasser seizes power/British out

1953 Chair, Federal Commission to eliminate inefficiency in government

lead to creation of Department of Health, Education and Welfare, 1953

1953, London, DNA shown as double helix

1954, Vietnam, Geneva Accords; French withdraw; North and South Vietnam created; elections promised but never held due to U S resistance

> 1956, U S - National Highway Defense Act -----, Egypt, Nasser nationalizes Suez Canal Israeli/British/French force attempts to regain. UN forces invaders out

----, Niger, OIL discovered

1957 U S - smoking shown to promote cancer

-----, Europe, European Economic Community est.

-----, Russia, Sputnik launched, beginning of USSR-US space race

1958, Lebanon, civil war - Marionite Christians, Sunni & Shi ite Muslims US sends troops to restore order

1959 U S-Canada, St. Lawrence Seaway opened

1959, China, famine kills 25 million -30 million c 1960, Africa - Acquired Immune Deficiency Syndrome, AIDS 1st jumped from chimpanzees to human hosts 1960, Global Population, 3.039 billion

22% increase since 1950

----, US, OH, Cleveland - Cuyahoga River so polluted it frequently catches fire

1961, Berlin - Communists build wall 1962, US, Rachel Carson, Silent Spring

Readings:

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